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20 October 1993

Ms. Betty G. Lavis (HSRW-6J)
Remedial Project Manager
U.S. Environmental Protection Agency
77 W. Jackson Blvd.
Chicago, IL 60604-3590



Re: Moss-American Site, Milwaukee, Wisconsin
Predesign Task 10 - River and Floodplain Hydraulics Study

Dear Ms. Lavis:

This transmittal has been prepared by Roy F. Weston, Inc. (WESTON®) on behalf of Kerr-McGee Chemical Corp. (KMCC), in response to U.S. EPA's letter of 30 August 1993 (received 2 September 1993).

The enclosures present our responses and/or revisions to the Technical Memorandum. Upon U.S. EPA's approval of these revisions, WESTON will transmit a fully-revised and completed copy of the Technical Memorandum.

During the course of our preparing these revisions, WESTON's hydrologist contacted the Corps of Engineers' reviewers to discuss the comments and certain technical issues. WESTON proposes that in order to obtain a timely approval and ensure an understanding of our transmittal, we schedule a brief follow-up conference call between U.S. EPA, the COE reviewers, and WESTON. We would propose to conduct this call during the week ending 29 October 1993. We will contact you to arrange a date and time.

Thank you for your attention to this transmittal.

Very truly yours,

ROY F. WESTON, INC.


Gary J. Deigan
Senior Project Manager



Kurt S. Stimpson
Project Director

GJD:KSS/slr
Enclosures





cc: Mr. Mark Krippel, Project Manager
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**RESPONSE TO CORPS OF ENGINEERS
REVIEW COMMENTS
Predesign Task 10 Technical Memorandum
Moss-American Site
Milwaukee, Wisconsin**

28 July 1993
COE Comment:

2. *In addition to text, should include "the Recreated FIS and WESTON's Revised HEC-2 used HEC-2, version 4.6.2, May 1991".*

Response/
Clarification

The following sentences have been added to page 2-2 of the text: WESTON recreated the FIS HEC-2 hydraulic analysis using the FIS backup data received from Greenhorne & O'Mara and then revised the model input to reflect existing conditions. The recreated FIS model and WESTON's revised analysis used HEC-2 version 4.6.2, May 1991.

COE Comment:

3. *Reword sentence to indicate "starting water surface elevations for the Little Menomonee River were taken from the 1979 FIS backwater analysis of the Menomonee River at the confluence with the Menomonee River".*

Response/
Clarification

The following bold typeface words were added to the text: The starting water surface elevations for the Little Menomonee River were taken from the 1979 FIS backwater analysis of **the Menomonee River** at the confluence with the Little Menomonee River. A revised page 2-2 is included in this response as Attachment A.

COE Comment:

5. *The discharge-frequency curves should be developed using instantaneous annual peak flows, not the peak daily (average) discharge that STORET apparently uses. You can't compare peak (instantaneous) annual curves with discharge-frequency curves developed using daily (average) flow data, as shown on Table 3.1. Use of the daily (average) flow would calculate discharge-frequency curves with magnitudes significantly less than those curves calculated using instantaneous peak flows. Please forward to this office, pages of the Water Resources Data Books (for the State of Wisconsin), for Oak Creek at South Milwaukee and Weller Creek at Des*

RESPONSE TO COE COMMENTS (Cont'd)

Plaines for the entire period of record for these gages. Pages for these 2 gages for Water Year (WY) 1990 for Oak Creek, and WY 1982 for Weller Creek were submitted with the latest package from WESTON. These sheets show that the peak discharge for WY 1990 for Oak Creek was 817 cfs, while the peak daily (average) flow for WY 1990 was 645 cfs. Also the annual peak discharge for Weller Creek for WY 1982 was 942 cfs, as compared to only 357 cfs for the maximum daily (average) flow.

In addition to not using peak annual flows, STORET does not appear to follow some of the other Bulletin 17B guidelines, such as adjusting the relationships for high and low outlier in the data, and to adjust for regional or generalized skew coefficients in calculating the adopted skew coefficient.

Some states have legislated procedures for developing discharge-frequency curves. Is the State of Wisconsin one of these states?

The USGS document "Flood-Frequency characteristics of Wisconsin Streams, " WRI 91-4128, should provide regional discharge- frequency equations that can be used to verify curves developed by other methods.

Response/ Clarification

In response to your comment, WESTON agrees that annual peak flow data should have been used for determining flow-frequency data for Weller and Oak Creeks. Attachment B is a revised Table 3-1 containing the 2-, 5-, 10-, 25-, 50-, and 100-year peak discharge rates reported by the USGS in cooperation with the State Departments of Transportation for the Weller and Oak Creek gaging stations. The sources of the reported peak discharge are:

- Flood Frequency Characteristics of Wisconsin Streams, W.R. Krug, Creek gaging stations. D.H. Conger, and W.A. Gebert, U.S. Geological Survey Water Resources Investigations Report 91-4128, prepared in cooperation with the Wisconsin Department of Transportation, 1992, for gage number 04087204, Oak Creek at South Milwaukee, WI.
- Technique for Estimating Flood Peak Discharges and Frequencies on Rural Streams in Illinois, G.W. Curtis, U.S. Geological Survey Water Resources Investigations Report 87-4207, prepared in cooperation with the Illinois Department of

RESPONSE TO COE COMMENTS (Cont'd)

Transportation, Division of Water Resources, 1987, for gage number 05530000, Weller Creek at Des Plaines, IL.

These sources use the procedures specified in Bulletin 17B. The 500-year peak discharge event was estimated by plotting the reported values on semi-log probability paper and extrapolating to a 500-year return frequency. The revised Table 3-1 and the graphical estimation of the 500-year flows are presented in this response as Attachment B. Copies of selected pages from these sources, including the reported values, methodology and references are also included in Attachment A. If the COE or U.S. EPA requests, WESTON can provide full copies of these referenced documents.

Recalculation of discharge-frequency curves for the Little Menomonee River is not proposed within the scope of the EPA approved work plan for Predesign Task 10. Lynn Torgerson, Wisconsin DNR Floodplain Engineer, informed WESTON by phone on 18 October 1993 that Wisconsin does have legislated procedures for developing discharge-frequency curves. Acceptable methods include log-Pearson Type III analysis. The FIS contains the regulatory flood elevations. According to Ms. Torgerson, any proposed project impacting the Little Menomonee River would have to be compared to the FIS flood elevations because this is the only approved stream study at this time.

It can be seen from the revised Table 3-1 that flows at the Oak Creek gaging station closely match those for the Little Menomonee River. Weller Creek does not correlate as well because the drainage basin is more urbanized than the Little Menomonee River basin. The Weller Creek drainage basin is urbanized throughout and does not have the undeveloped headwater areas that are present in the Little Menomonee River watershed upstream of Brown Deer Road. Oak Creek is a closer match in land use characteristics to the Little Menomonee River since the upper portion of both basins is largely agricultural land. Since the Weller Creek drainage basin watershed characteristics are different than those of the Little Menomonee River, Weller Creek has been deleted from further comparisons to verify the FIS flows.

We believe the FIS flows (as updated and provided by the SWRPC) are appropriate for use in WESTON's revised hydraulic model. The revised hydraulic model will be used to evaluate relative hydraulic

RESPONSE TO COE COMMENTS (Cont'd)

impacts of potential alternate alignments for the Little Menomonee River (Predesign Task 9).

COE Comment:

7. *See Comment 18.*

Response/
Clarification: See response to comments 5 and 18.

COE Comment:

8. *Once the discharge-frequency curves developed by analyzing the peak flows calculated by the HYDROCOMP model for the Little Menomonee River are verified, care must be taken in choosing the river reaches that an individual discharge-frequency is applicable for. In this area of the country, the USGS recommends that the drainage area at the upstream and downstream limits of the reach be within 5% of the drainage area at the point where the curve was calculated. Information detailing the reach limits and the drainage area at the upstream and downstream limits of the reaches are needed by this office to insure the proper use of QT cards in the HEC-2 model data. This includes information on the drainage area (of the Little Menomonee River) just upstream and just downstream of all tributaries.*

Response/
Clarification: WESTON maintained the location of the QT cards that were in the FIS HEC-2 back up data in order to provide consistency with the modeling effort that created the existing FIS floodplain. This allowed WESTON to reproduce an accurate version of the FIS HEC-2 model.

Noyes Creek is the only major tributary within the study area of the Little Menomonee River and enters between cross sections 69.5 and 70 in the HEC-2 model. The SWRPC provided estimated streamflows at a location just above the confluence with Noyes Creek. WESTON has added these flows to the model in response to the USACE's comment number 8. The following table shows the percent change in area at the location of each QT card.

RESPONSE TO COE COMMENTS (Cont'd)

TRIBUTARY INFORMATION		HEC-2 MODEL INFORMATION		
Location of Tributaries	Approx. Drainage Area of Tributary (sq. mi.)	Location of QT Card in WESTON Revised HEC-2 Model	Approx. Drainage area (sq. mi.)	Percent Increase in Area from Upstream Calc. of Discharge
		Bradley Rd. (X 104.3)	13.31	10.18
Just downstream of Bradley Road (X 100)	0.40		13.9	
Just upstream of Calumet Road (X 96)	0.44		14.5	
		Good Hope Road (X 79.6)	15.46	16.15 ^a
		Just upstream of Noyes Creek (X 70)	16.0	3.49
Noyes Creek (X 69.5)	2.02		18.02	
		Fond du Lac Ave. (X 56)	18.50	15.63 ^b
Just upstream of Appleton Ave. (X 47)	0.50		19.5	
		Appleton Ave. (X 41)	19.92	7.68
Just downstream of Silver Spring Dr. (X 17)	0.3		20.8	
		Confluence with Menomonee River (X 1)	21.84	9.64

^a Approximately 0.84 of the 2.15 square mile increase in drainage area between the QT cards at cross sections 79.6 and 104.3 are drained by two tributaries between Bradley and Calumet Roads.

^b Approximately 2.02 of the 2.5 square mile increase in drainage area between the QT cards at cross sections 56 and 70 are drained by Noyes Creek.

WESTON proposes to maintain the locations of the QT cards that were in the FEMA FIS HEC-2 model with the addition of the QT card just upstream of Noyes Creek. These locations of QT cards provide for an increase in drainage area of approximately 10 percent or less with the exception of two locations. A large portion of the increase in drainage areas at Good Hope Road (16.15 percent increase) and Fond du Lac Ave. (15.63 percent increase) can be attributed to tributaries listed in the table above. Recalculation of the hydrology for the Little Menomonee River watershed is not included in the EPA approved work plan for Predesign Task 10. WESTON has not generated new discharge-frequency curves for the Little Menomonee River. The revised HEC-2 model of existing conditions on the Little Menomonee River will be used as a benchmark for evaluating the hydraulic impacts of proposed alternative channel alignments in Predesign Task 9.

RESPONSE TO COE COMMENTS (Cont'd)

COE Comment:

9. *See comment 18.*

Response/
Clarification: See response to comments 5 and 18.

COE Comment:

10. *See Comment 18.*

Response/
Clarification: See response to comments 5 and 18.

COE Comment:

11. *How will the gage data be used to calibrate the HEC-2 model? Have provisions been made to measure the discharge at the gaging station using in-stream gaging methods to verify the rating curve calculated using the bridge drawings?*

Response/
Clarification: Data collected at WESTON's gage at Brown Deer Road is not intended for hydrologic analysis or as a tool for calibrating the HEC-2 model. WESTON intends to compare the measured flows at Brown Deer Road on the Little Menomonee River to the response to selected precipitation events that were also measured at the Oak Creek gaging station to validate the comparison between the watersheds.

COE Comment:

13. *The elevation datum should read Elevation in Feet-NGVD.*

Response/
Clarification: The profiles have been modified to include the information requested. Revised Figures 4-1 through 4-3 are presented in this response in Attachment C.

COE Comment:

14. *Recheck the expansion/contraction of the sections downstream and upstream of the bridges, specifically, when a high flow is fully contained within the bridge. In particular, as in Section 59.0 & 59.3, Rte. 145, the widths upstream of Rte 145 appear larger than they should be, approx.*

RESPONSE TO COE COMMENTS (Cont'd)

1100' when all the water seems to be fully contained within the Rte. 145 bridge abutments. 170' wide.

Response/
Clarification:

Three bridge crossings are modeled between cross sections 58 and 60. Placement of cross sections 59.3 and 59.6 at the downstream and upstream faces of Route 145 were the only additions to the FEMA FIS model in this segment of the river. No other cross sections were added because there is no proposed channel realignment on this segment of the river. WESTON has made the following changes to the recreated HEC-2 model of existing conditions in response to USACE's comment number 14:

- The distance between cross section 59.6 and 60 was increased to 114 feet to provide a 1:1 contraction at Route 145.
- X3 cards with encroachment elevations were deleted from cross sections 59 and 59.3.
- The encroachment elevations on the X3 card for cross section 59.6 were increased by 3 feet to limit the area of effective flow through this cross section.

COE Comment:

15. *A weir length could still be included in the SC card, whether or not it is used now or in the future, to eliminate the note obtained in the data editing.*

Response/
Clarification:

A weir length of 280 feet has been added to the SC card between cross sections 145 and 146. A diskette containing the revised HEC-2 model input and output files and a print out of these files are attached to this response as Attachment D.

COE Comment:

18. *The log Pearson analysis for Oak Creek and Weller Creeks submitted by WESTON can't be compared with the Little Menomonee River because they were calculated using peak daily (average) flows, and did not follow the entire procedures of Bulletin 17B. There are three basic methods of determining discharge-frequency relationships: Bulletin 17B analysis of gage data; regional discharge-frequency relationships; and rainfall-runoff methods. WESTON chose to use a discharge-frequency relationship used*

RESPONSE TO COE COMMENTS (Cont'd)

for the 1979 Flood Insurance Study (FIS) for the City of Milwaukee to model their analysis of channel re-alignment. This relationship was developed using a rainfall-runoff model (HYDROCOMP), which is the least accurate of the three methods. To determine whether or not the FIS discharge values are applicable to their study, WESTON attempted to verify the use of the values by comparing them to the results of a Bulletin 17B analysis of gage data for two similar watersheds (Oak Creek at South Milwaukee and Weller Creek at Des Plaines). As previously stated, the STORET program does not do a Bulletin 17B analysis. STORET used daily (average) flows instead of annual peak (instantaneous) flows, and seems to have no provisions to adjust the relationship for low or high outlier. Since WESTON used STORET to calculate the discharge-frequency relationships for Oak Creek and Weller Creek to verify the FIS values, and STORET was an improper procedure, WESTON needs to develop a different method or procedure to verify the FIS values. WESTON realized the need to verify the FIS values, as described in Section 3.3, Verification of FIS Flows (page 3-4) of the most recent submittal. All previous Corps of Engineers comments, dealing with the frequency curves, needs to be addressed after redoing the frequency analysis.

Response/
Clarification:

See response to comment number 5. The Log Pearson Type III analysis software that is available on EPA's computer provides a readily available resource for analyzing gage data that is contained within the STORET database. WESTON concurs that it is a more accurate approach to use annual peak flow data in an analysis that fully follows Bulletin 17B procedures. WESTON has changed the approach of obtaining flow data and has now used published values of the various design year return frequency storms for the Oak and Weller Creek gages to verify the revised FIS flows used in the HEC-2 model of the Little Menomonee River. The reported flow values for Oak Creek watershed (which is most similar to the Little Menomonee River watershed) have a good correlation with the revised FIS flows used in the HEC-2 model of existing conditions on the Little Menomonee River. The Weller Creek basin is more urbanized than the Little Menomonee River basin at the point of comparison (13.3 square miles of drainage area on the Little Menomonee River at Bradley Road compared to 13.2 square miles for Weller Creek). The 13.2 square miles for Weller Creek encompasses an urbanized area while the point on the Little Menomonee River that is drained by 13.3 square miles is mostly from the undeveloped land that is upstream of

RESPONSE TO COE COMMENTS (Cont'd)

Brown Deer Road. This difference in land use between the two watersheds is identified as the cause of the poor correlation and therefore, Weller Creek has been deleted from the comparison analysis.

ATTACHMENT A

Revised page 2-2 of Technical Memorandum Text

meteorologic factors and land characteristics to determine the volume and temporal distribution of surface water flow. Peak flow values at several locations of the river are calculated by the model. These peak flows are then used for input to the HEC-2 model (see Subsection 2.1.2). The results of the Hydrocomp modeling were verified by comparison with available stream flow data.

2.1.2 Hydraulic Methodology

In the FIS, the hydraulic analysis was performed using the U.S. Army Corp of Engineers, Hydrologic Engineering Center, HEC-2 Water-Surface Profiles Computer Program Release Date November 1976 Updated February 1977, to model water surface profiles. WESTON recreated the HEC-2 hydraulic analysis using the FIS backup data received from Greenhome and O'Mara and then revised the model input to reflect existing conditions. The recreated FIS model and WESTON's revised analysis used HEC-2 version 4.6.2, May, 1991. HEC-2 is specifically designed for calculating water surface profiles in natural or man-made channels. Therefore, the effects of various obstructions such as bridges, culverts, weirs, and structures in the floodplain can be accounted for in the computations. HEC-2 determines energy loss due to friction using Manning's equation. This computational procedure is generally known as the "standard step" method.

For the FIS, roughness factors, in terms of Manning's 'n' values, were determined from field observation and aerial photographs. Channel cross sections and structures were measured in the field and the overbank portions were determined from topographic maps, photogrammetric interpretation, and field surveys. The starting water surface elevations for the Little Menomonee River were taken from the 1979 FIS backwater analysis of the Menomonee River at the confluence with the Little Menomonee River. All elevations were referenced from the National Geodetic Vertical Datum of 1929.

ATTACHMENT B

Revised Table 3-1

Graphical Estimation of 500-Year Flood Flow

Copies of USGS Water Resources Investigation Reports

Table 3-1

Comparison of Little Menomonee River Peak Flows to Similar Gaged Watersheds (cfs)

Return Frequency (years)	Oak Creek ^a (25 sq.mi.)	Little Menomonee (21.8 sq.mi.)	Weller Creek ^b (13.2 sq.mi.)	Little Menomonee (13.3 sq.mi.)
500	1528 ^c	1990	2320 ^c	757
100	1260	1510	1900	578
50	1150	1330	1720	505
25	1040	1160	1530	435
10	887	945	1260	345
5	767	794	1030	277
2	585	589	677	181

^a Source: Krug, W.R., Conger, D.H., and Gebert, W.A., Flood Frequency Characteristics of Wisconsin Streams, U.S. Geological Survey Water Investigations Report 91-4128, 1992.

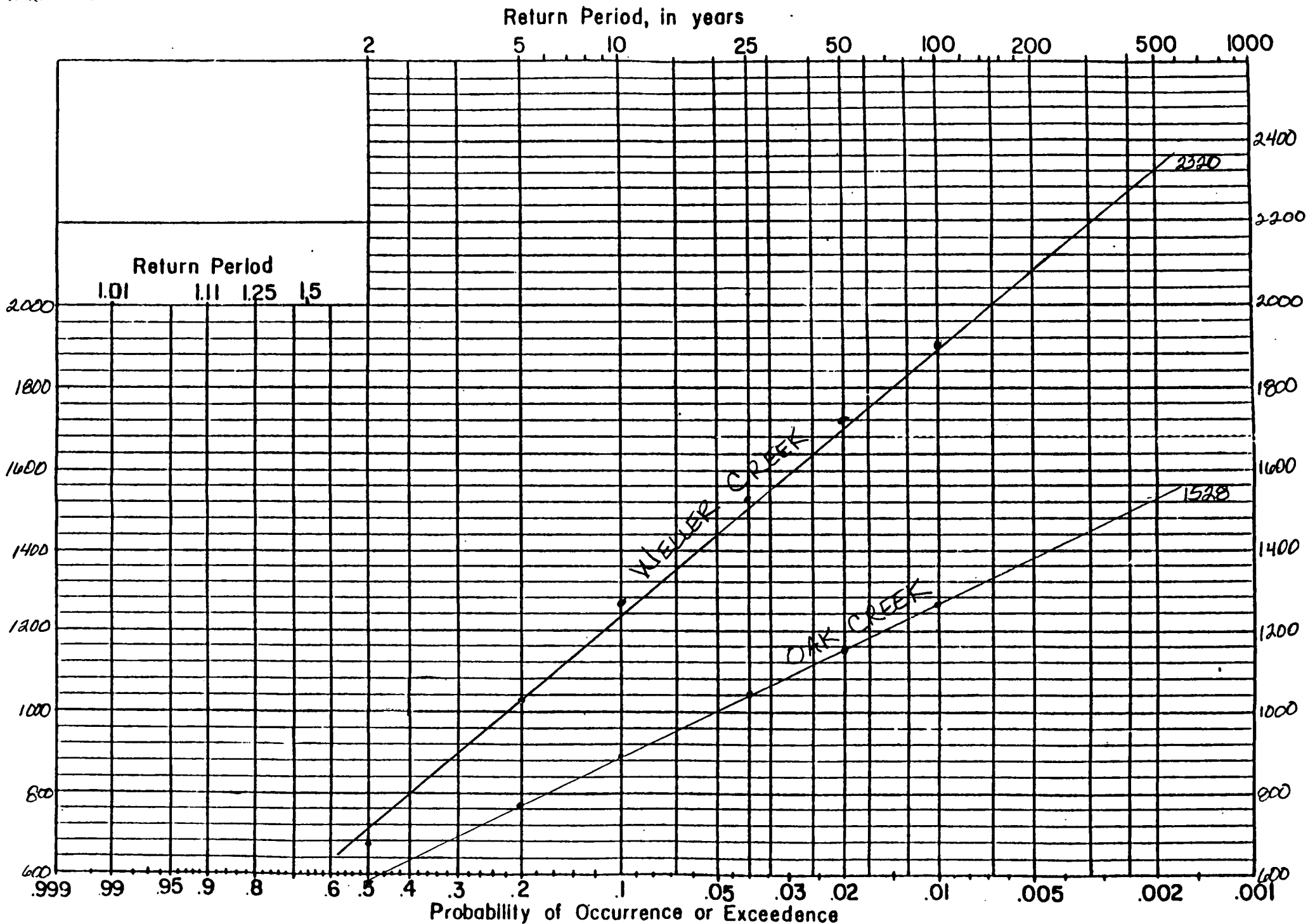
^b Source: Curtis, G.W., Technique for Estimating Flood Peak Discharges and Frequencies on Rural Streams in Illinois, U.S. Geological Survey Water Resources Investigations Report 87-4207, 1987

^c Value extrapolated from plot of reported data.

Note: The disparity in the land use between the Weller Creek watershed (urbanized) and the Little Menomonee River watershed headwaters (rural/agricultural) has been identified as the cause of the poor correlation of flow values, therefore, Weller Creek has been deleted from the comparison to verify the FIS flow values.

Kerr McGee
21 Sept 1973
02187-007-001

GRAPHICAL ESTIMATION OF 500-YEAR FLOOD FLOWS



TECHNIQUE FOR ESTIMATING FLOOD-PEAK DISCHARGES
AND FREQUENCIES ON RURAL STREAMS
IN ILLINOIS

By G. W. Curtis

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 87-4207

Prepared in cooperation with
ILLINOIS DEPARTMENT OF TRANSPORTATION,
DIVISION OF WATER RESOURCES



Urbana, Illinois

1987

Table 1.--T-year peak discharges at gaging stations--Continued

Map No.	Station No.	Station name and location	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
142	*05528470	Buffalo Creek at Long Grove, Ill. Lat 42°10'38", long 87°59'57", in SE ¹ / ₄ NW ¹ / ₄ sec.30, T.43 N., R.11 E., Lake County.	229 --- ---	367 --- ---	457 --- ---	566 --- ---	643 --- ---	717 --- ---
143	*05528500	Buffalo Creek near Wheeling, Ill. Lat 42°09'15", long 87°57'25", in NE ¹ / ₄ NW ¹ / ₄ sec.4, T.42 N., R.11 E., Cook County.	364 --- ---	569 --- ---	692 --- ---	832 --- ---	924 --- ---	1,010 --- ---
144	05529000	Des Plaines River near Des Plaines, Ill. Lat 42°04'55", long 87°53'25", in SE ¹ / ₄ SE ¹ / ₄ sec.25, T.42 N., R.11 E., Cook County.	2,180 1,490 2,140	3,160 2,240 3,100	3,760 2,700 3,690	4,450 3,240 4,350	4,910 3,610 4,800	5,350 3,940 5,220
145	*05529300	McDonald Creek near Wheeling, Ill. Lat 42°07'14", long 87°56'47", in NW ¹ / ₄ NW ¹ / ₄ sec.15, T.42 N., R.11 E., Cook County.	186 --- ---	334 --- ---	442 --- ---	585 --- ---	695 --- ---	806 --- ---
146	*05529500	McDonald Creek near Mount Prospect, Ill. Lat 42°05'43", long 87°54'46", in SW ¹ / ₄ SE ¹ / ₄ sec.23, T.42 N., R.11 E., Cook County.	193 --- ---	368 --- ---	497 --- ---	669 --- ---	800 --- ---	930 --- ---
147	*05529900	Weller Creek at Mount Prospect, Ill. Lat 42°03'32", long 87°57'23", in NE ¹ / ₄ SW ¹ / ₄ sec.11, T.41 N., R.11 E., Cook County.	482 --- ---	778 --- ---	991 --- ---	1,270 --- ---	1,490 --- ---	1,720 --- ---
148	*05530000	Weller Creek at Des Plaines, Ill. Lat 42°02'58", long 87°55'05", in NW ¹ / ₄ NW ¹ / ₄ sec.18, T.41 N., R.12 E., Cook County.	677 --- ---	1,030 --- ---	1,260 --- ---	1,530 --- ---	1,720 --- ---	1,900 --- ---
149	*05530400	Higgins Creek near Mount Prospect, Ill. Lat 42°02'04", long 87°57'35", in NW ¹ / ₄ NW ¹ / ₄ sec.23, T.41 N., R.11 E., Cook County.	137 --- ---	247 --- ---	330 --- ---	445 --- ---	536 --- ---	631 --- ---
150	*05530480	Willow Creek at Orchard Place, Ill. Lat 41°59'49", long 87°52'47", in SE ¹ / ₄ SW ¹ / ₄ sec.33, T.41 N., R.12 E., Cook County.	586 --- ---	1,070 --- ---	1,430 --- ---	1,920 --- ---	2,310 --- ---	2,710 --- ---
151	*05530600	Des Plaines River at River Grove, Ill. Lat 41°55'46", long 87°50'40", in NW ¹ / ₄ SW ¹ / ₄ sec.26, T.40 N., R.12 E., Cook County.	2,580 --- ---	3,380 --- ---	3,830 --- ---	4,310 --- ---	4,620 --- ---	4,890 --- ---
152	*05530700	Silver Creek at Melrose Park, Ill. Lat 41°54'18", long 87°50'40", in NW ¹ / ₄ NW ¹ / ₄ sec.2, T.39 N., R.12 E., Cook County.	446 --- ---	557 --- ---	622 --- ---	696 --- ---	746 --- ---	793 --- ---

The flood-frequency equations in this report may be used to estimate flood-peak discharges and frequencies on most Illinois nonregulated rural streams for drainage areas ranging from 0.02 to 10,000 mi², slopes ranging from 0.7 to 230 ft/mi, and 24-hour 2-year rainfall intensity from 2.6 to 3.6 inches. The equations are not applicable to streams where floodflows are appreciably affected by natural or reservoir storage; channel changes; diversions; urbanization; unusual hydrogeologic or morphologic conditions such as in karst terrane, bluff-flood plain combinations (streams that transverse the bluff and adjacent flood plain of major rivers); or other unaccounted for conditions that affect floodflow.

DATA ANALYSES

Discharge data used in the station flood-frequency and regional analyses were obtained from the surface-water gaging-station network maintained by the Survey. Annual peak discharges from 394 continuous-record and crest-stage partial-record stations having 10 years or more of record were used in the flood-frequency analyses. Of these stations, 383 are located in Illinois, 4 in Indiana, and 7 in Wisconsin (figs. 1 and 2). Peak flows from 268 of the 394 stations represent nonregulated rural sites, and these data were used in the regional analyses. Annual peak-flow records collected through September 30, 1985, were used in this report.

Drainage area (A) and slope (S) were determined from either topographic maps, field surveys, aerial photographs, or as published in Survey reports. The rainfall intensity (I) represents the 24-hour 2-year rainfall-duration frequency and was determined from Hershfield (1961).

The map number, station number, and station name and location for the 394 stations are shown in table 1.

Station Flood-Frequency Analyses

Flood-frequency analyses define the relation of flood-peak discharges to exceedance probabilities or recurrence intervals. Exceedance probability is the chance that a given discharge will be exceeded in any one year. Recurrence interval is the reciprocal of the exceedance probability times 100 and is the average time interval between occurrences of a flood-peak discharge of a given or greater magnitude. For example, a flood having an exceedance probability of 0.01 has a recurrence interval of 100 years; or, a 100-year flood may be exceeded on the average of once in 100 years. However, probability only describes the likelihood of a random event occurring, and a flood magnitude of a given recurrence interval may be exceeded in a much shorter period of time.

Flood-frequency relations for 394 gaging stations were defined using the Hydrology Subcommittee of Interagency Advisory Committee on Water Data (1982) guidelines. These guidelines outline procedures to fit logarithms of observed annual-peak data to the Pearson Type III distribution.

A computer was used to perform frequency computations and plots for 394 gaging stations. The computer calculated the following:

An array of N annual flood-peak discharges (Q) at a station were transformed into an array of corresponding base 10 logarithmic values (X_i)

$$X_1, X_2, \dots, X_N$$

and the means of the logarithms were computed by

$$\bar{X} = \frac{\sum X}{N} \quad (12)$$

Next the standard deviation (SD) and skew coefficient (G) were computed by

$$SD = \left[\frac{(\sum X^2) - (\sum X)^2/N}{(N-1)} \right]^{0.5} \quad (13)$$

and

$$G = \frac{N \cdot \sum (X - \bar{X})^3}{(N-1)(N-2)(SD)^3}, \text{ respectively.} \quad (14)$$

The technique for fitting log-Pearson Type III distributions to observed annual peaks is to compute the base 10 logarithms of the discharge (Q) at selected exceedance probability (P) by the equation

$$\text{Log } Q = \bar{X} + K(SD) \quad (15)$$

where \bar{X} is the mean of the logs of the annual peaks at a gaging station, and

K is a factor from tables in Hydrology Subcommittee (1982) that is a function of the skew coefficient (G) and selected exceedance probability.

The skew coefficient of peak flows at a station is sensitive to extreme events. Therefore, accurate estimates of skew require a long period of record. A generalized estimate of skew is recommended (Hydrology Subcommittee, 1982) for stations with short periods of record.

For this study, logarithms of annual-peak discharges were fitted to the Pearson Type III distribution giving weight to historical peaks and high outliers, omitting low outliers, and using the generalized skew map of the Hydrology Subcommittee (1982). For stations having less than 25 years of record, the generalized skew was used for computing the frequency relation. For those stations with record lengths longer than 25 years, the station skew was weighted with the generalized skew. A weighted skew is calculated by combining the station and generalized skew coefficients using the equation:

$$G_W = \frac{MSE_{\bar{G}}(G) + MSE_G(\bar{G})}{MSE_{\bar{G}} + MSE_G} \quad (16)$$

where G_W = weighted skew coefficient,
 G = station skew,
 \bar{G} = generalized skew,
 $MSE_{\bar{G}}$ = mean-square error of generalized skew, and
 MSE_G = mean-square error of station skew

The flood-frequency curves for the individual stations were computed using equation 14. The discharge values from the individual station curve for recurrence intervals of 2, 5, 10, 25, 50, and 100 years are given in table 1. Log-Pearson Type III statistics used to develop the frequency relations for each station are shown in table 5.

Regional Analyses

Most sites where streamflow information is needed will not have streamflow records available. Flood-peak discharges from individual stations have limited transferability; therefore, estimates of flood-peak discharges at ungaged sites should be based on regional analyses. The advantages of regional analyses are that (1) the flood-frequency relation is applicable to all ungaged sites in an entire region, and (2) the relation can improve the flood-frequency estimates at a gaged site.

Traditionally, regression models have used ordinary least squares (OLS) to estimate relations between streamflow characteristics and relevant physiographic variables such as drainage area and channel slope. Several investigators (Matalas and Benson, 1961; Matalas and Gilroy, 1968; Hardison, 1971; Moss and Karlinger, 1974; Tasker and Moss, 1979; and Moss, 1976, 1979) have examined the statistical precision and properties of OLS procedures with hydrologic data sets. The OLS approach can provide distorted estimates of the model's predictive capability and the precision with which the regression model's parameters are estimated. Weighted (WLS) and generalized least squares (GLS) techniques were developed to deal with situations like those encountered in hydrology where a regression model's residuals are heteroscedastic and perhaps cross-correlated (Draper and Smith, 1981; Johnston, 1972). Stedinger and Tasker (1985, 1986a) compared the statistical performance of OLS, WLS, and GLS in situations where streamflow records at gaged sites can be of different and widely varying lengths and concurrent flows at different sites are cross-correlated. They found that the GLS procedure was superior and provided (1) more accurate parameter estimates, (2) better estimates of the accuracy with which the regression model's parameters were estimated, and (3) almost unbiased estimates of the model error.

A new improved statistical model (G. D. Tasker, A. M. Lumb, W. O. Thomas, and K. M. Flynn, U.S. Geological Survey, written commun., 1987) for analyzing hydrologic data was used in this study. This model, which uses GLS in a multiple regression analysis, was used to define the flood-frequency relations in equations 1 to 7.

Multiple-regression analyses were used to relate peak flows as dependent variables to the basin characteristics and a climatic factor as independent variables. Variables were transformed to a log of base 10 before analyses for

FLOOD-FREQUENCY CHARACTERISTICS OF WISCONSIN STREAMS

By William R. Krug, Duane H. Conger, and Warren A. Gebert

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WISCONSIN DEPARTMENT OF TRANSPORTATION



Madison, Wisconsin
1992

Table 4. Flood discharges at selected recurrence intervals and WRC skew for gaging stations in Wisconsin--Continued

Station number	Station name	WRC skew	Discharge for indicated recurrence interval						SE ₁₀₀	Remarks ¹
			2	5	10	Years		50		
04075200	Evergreen Creek near Langlade, Wis.	0.046	44.5	56.2	63.5	72.5	78.9	85.3	10.1	
04075500	Wolf River above West Branch Wolf River near Keeshans, Wis.	.318	1,740	2,120	2,360	2,665	2,890	3,120	8.7	
04077000	Wolf River at Keeshans Falls near Keeshans, Wis.	.356	2,410	3,070	3,520	4,100	4,545	5,000	7.6	
04078500	Embarrass River near Embarrass, Wis.	-.070	2,340	3,460	4,235	5,240	6,000	6,780	10.8	
04079000	Wolf River at New London, Wis.	-.224	6,720	9,460	11,200	13,400	14,900	16,400	9.1	
04079700	Spaulding Creek near Big Falls, Wis.	.109	52.5	67.7	77.6	90.0	99.2	108	11.2	
04080000	Little Wolf River at Royalton, Wis.	-.522	3,185	4,850	5,880	7,085	7,930	8,715	10.7	
04081000	Waupaca River near Waupaca, Wis.	-.518	1,060	1,540	1,835	2,175	2,405	2,620	9.9	
04081010	Waupaca River tributary near Waupaca, Wis.	-.499	41.4	69.8	89.1	113	130	147	22.5	
04081900	Sawyer Creek at Oshkosh, Wis.	-.001	427	861	1,240	1,840	2,370	2,970	31.7	
		-.243	542	1,020	1,400	1,930	2,360	2,810	25.1	G
04083000	West Branch Fond du Lac River at Fond du Lac, Wis.	-.700	760	1,140	1,370	1,620	1,780	1,930	20.1	
04083400	East Branch Fond du Lac River tributary near Eden, Wis.	-.416	57.6	96.6	123	158	183	207	23.1	
04083500	East Branch Fond du Lac River at Fond du Lac, Wis.	-.710	808	1,550	1,960	2,440	2,760	3,060	26.5	
04084500	Fox River at Rapide Croche Dam, near Wrihtstown, Wis.	-.768	12,700	17,000	19,200	21,600	23,000	24,200	6.7	E
04085030	Apple Creek near Kaukauna, Wis.	-.735	787	1,210	1,450	1,730	1,910	2,070	15.6	
04085100	East River tributary at Greenleaf, Wis.	-.162	216	379	504	678	818	965	25.8	
04086200	Kewaunee River near Kewaunee, Wis.	-.417	2,700	4,370	5,490	6,880	7,890	8,870	17.6	
04085281	East Twin River at Mishicot, Wis.	-.183	1,200	2,020	2,620	3,440	4,080	4,750	29.5	
04085300	Nebraska River tributary near Denmark, Wis.	-.424	193	326	418	536	622	707	19.6	
04085400	Killbuck River near Chilton, Wis.	-.806	627	1,060	1,340	1,680	1,910	2,130	19.6	
04085427	Manitowoc River at Manitowoc, Wis.	-.154	2,590	4,270	5,510	7,170	8,470	9,820	27.7	
04085700	Sheboygan River tributary near Plymouth, Wis.	-.032	113	183	235	307	365	426	24.4	
04086000	Sheboygan River at Sheboygan, Wis.	-.656	3,140	5,000	6,150	7,480	8,380	9,200	13.6	
04086150	Milwaukee River at Kewaunee, Wis.	-.059	900	1,460	1,860	2,420	2,870	3,330	29.4	
04086200	East Branch Milwaukee River near New Fane, Wis.	-.137	214	352	455	593	702	815	31.1	
04086340	North Branch Milwaukee River near Fillmore, Wis.	-.266	789	1,380	1,820	2,420	2,880	3,360	33.5	
04086360	Milwaukee River at Waubesa, Wis.	-.391	2,110	3,530	4,520	5,770	6,710	7,630	28.6	
04086400	Milwaukee River tributary near Fredonia, Wis.	-.586	55.0	105	141	188	221	254	30.0	
04086500	Cedar Creek near Cedarburg, Wis.	-.189	951	1,860	2,600	3,670	4,570	5,530	20.1	
04087000	Milwaukee River at Milwaukee, Wis.	-.057	4,890	6,890	8,580	10,700	12,300	13,900	10.4	
04087030	Menomonee River at Menomonee Falls, Wis.	.160	539	788	968	1,210	1,400	1,610	27.3	
04087050	Little Menomonee River near Freistadt, Wis.	-.446	182	272	328	395	441	485	14.5	
04087088	Underwood Creek at Wauwatosa, Wis.	-.298	857	1,430	1,840	2,370	2,780	3,180	34.8	
04087100	Honey Creek at Milwaukee, Wis.	-.035	319	488	609	769	894	1,020	17.7	
04087120	Menomonee River at Wauwatosa, Wis.	.023	3,400	5,670	7,430	9,920	12,000	14,100	23.1	
04087200	Oak Creek near South Milwaukee, Wis.	-.117	258	453	604	817	989	1,170	22.5	
04087204	Oak Creek at South Milwaukee, Wis.	.113	585	767	887	1,040	1,150	1,260	13.1	
04087220	Root River near Franklin, Wis.	.219	1,080	1,860	2,500	3,470	4,310	5,260	27.3	
04087230	West Branch Root River Canal tributary near North Cape, Wis.	-.603	89.4	133	160	190	210	228	15.2	
04087233	Root River Canal near Franklin, Wis.	-.274	709	975	1,140	1,340	1,480	1,610	13.5	
04087240	Root River at Racine, Wis.	-.032	1,840	2,750	3,300	4,000	4,530	5,070	16.0	
04087250	Pike Creek near Kenoeba, Wis.	-.308	82.6	135	171	217	252	287	19.0	
04087257	Pike River near Racine, Wis.	-.453	878	1,180	1,350	1,540	1,670	1,790	15.8	
05332500	Namekagon River near Trego, Wis.	.573	1,170	1,620	1,960	2,440	2,830	3,260	12.8	E
05333100	Little Frog Creek near Minong, Wis.	-.345	205	378	508	685	823	964	24.2	

Table 6. Annual peak data at gaging stations--Continued

Water year	Date	Gage height	Discharge	Water year	Date	Gage height	Discharge
Station number 04087200--Continued							
1966	2/09/66	16.09	235	1982	4/07/82	16.07	390
1967	6/11/67	15.15	165	1983	12/2/82	16.54	570
1968	6/26/68	16.23	255	1984	4/29/84	15.48	270
1969	6/29/69	16.94	630	1985	1/09/85	15.19	225
1970	6/02/70	15.39	180	1986	3/05/86	16.12	410
1971	2/19/71	15.80	210	1987	4/22/87	15.53	280
1972	9/18/72	17.08	740	1988	1/30/88	16.01	380
1973	4/21/73	16.28	260				

Station number 04087204
Station name Oak Creek at South Milwaukee, Wis.
Location Lat 42°55'30", long 87°52'12", in NW 1/4 sec.2, T.5 N., R.22 E., Milwaukee County, Hydrologic Unit 04040002, on left bank 25 ft downstream from 15th Avenue bridge in South Milwaukee and 2.8 mi upstream from mouth.

1964	7/18/64	7.17	398	1977	7/18/77	5.89	378
1965	3/05/65	6.20	480	1978	9/13/78	8.19	1,020
1966	2/10/66	6.38	526	1979	4/26/79	7.12	660
1967	6/11/67	6.71	612	1980	6/07/80	6.77	541
1968	6/26/68	7.52	606	1981	4/11/81	6.53	472
1969	6/30/69	7.58	704	1982	4/03/82	7.21	492
1970	6/02/70	6.63	399	1983	4/02/83	8.00	670
1971	2/20/71	6.46	441	1984	4/30/84	7.09	450
1972	9/18/72	8.23	916	1985	12/29/84	6.72	403
1973	4/21/73	7.10	774	1986	8/06/86	9.88	1,140
1974	3/03/74	7.33	839	1987	4/15/87	7.03	457
1975	4/28/75	6.72	581	1988	1/20/88	7.62	568
1976	3/04/76	7.90	935				

Station number 04087220
Station name Root River near Franklin, Wis.
Location Lat 42°52'25", long 87°59'45", in SE 1/4 sec.22, T.5 N., R.21 E., Milwaukee County, Hydrologic Unit 04040002, on right bank 400 ft upstream from State Highway 100, 2.1 mi upstream from Root River Canal, 2.4 mi southeast of Franklin, 5.5 mi southeast of Hales Corners, and about 24 mi upstream from mouth.

1960	3/30/60	9.57	5,130	1976	3/05/76	8.58	2,160
1964	7/19/64	7.12	792	1977	7/19/77	6.76	534
1965	3/05/65	8.43	1,600	1978	9/13/78	7.50	980
1966	2/10/66	7.76	1,300	1979	3/19/79	7.71	1,300
1967	6/11/67	7.06	808	1980	6/06/80	6.98	860
1968	6/27/68	7.44	910	1981	4/11/81	7.33	474
1969	6/30/69	8.36	2,650	1982	3/14/82	7.89	556
1970	6/02/70	7.44	1,220	1983	4/03/83 ¹	8.54	1,080

a significant variable in flood-frequency equations for the southern and the west-central parts of the State, but it is significant in the northern part of the State.

Flood-Frequency Equations and Accuracy Evaluation

The flood-frequency equations developed for streams in Wisconsin, along with the standard error of estimate and standard error of prediction, are presented in table 1.

Two measures of the accuracy of the regression equations are shown in table 1--the standard error of estimate (approximated by the model error) and the standard error of prediction. The standard error of estimate is a measure of the error in the use of regression equations to predict T-year floods at sites used in the regression analysis. The standard error of prediction is a measure of the error in the use of the regression equations to predict T-year floods at the sites NOT used in the regression analysis. The standard errors are expressed as percent. The true value of the T-year flood will be within plus or minus one standard error of the regression estimate at about two-thirds of the sites. The true value will differ from the regression estimate by more than the standard error at about one-third of the sites. The standard error of prediction is a better estimate of the probable error associated with use of the regression equations to predict T-year floods at ungaged sites.

The standard error of estimate is shown for comparison with similar data published in previous reports (Conger, 1971 and 1981); however, it is computed differently in this study and the comparison is not exact. The standard error of prediction for the regression equations for the 100-year flood in the 1971 report ranged from 37 to 41 percent. The comparable range of standard error of prediction was 35 to 40 percent in the 1981 report. The range of standard error of prediction for the 100-year flood in table 1 is 25 to 33 percent.

The regression equations are valid only for streams without significant regulation. A dam on the stream or river does not constitute regulation, unless the dam is used to change the amount of water flowing past it during a flood.

The regression equations and the associated accuracy can be considered valid only within the area for which they were developed and within the range of values of basin characteristics used to calculate the equations. Reasonable estimates for the T-year flood are possible from application of the regression equations to basin characteristics outside the range of values from which the equations were derived, but there is no way to estimate the possible error in those values. The ranges of the basin characteristics of the gaging stations used in the regression analysis are summarized in table 2.

The computed flood frequency in area 1 is very sensitive to the value of the variable *INTENS*. A change from 2.70 to 2.80 in. in the 2-year, 24-hour precipitation would increase the computed 100-year peak flood discharge by a factor of almost 2.5. It is not reasonable for such a small increase in rainfall intensity to cause such a large increase in flood discharge. It appears that the variable *INTENS* is a surrogate for some other factor which causes the flood potential of otherwise similar basins to increase from the northeast to the southwest in area 1. Identifying the unknown factor in flood producing potential of drainage basins in this area would be a worthwhile topic for future flood-frequency studies.

APPLICATION OF ESTIMATING TECHNIQUES

The proper procedure for determining flood-frequency characteristics for streams in Wisconsin is shown in figure 4. The first step is to locate the site in question in figure 3 or on plate 1 and then to follow the appropriate sequence shown in figure 4. A detailed description for applying each technique is given in the examples that follow.

Sites at Streamflow-Gaging Stations

Flood-frequency characteristics for sites at streamflow-gaging stations and at crest-gage stations were determined as outlined in the section "Flood-Frequency Analysis" and are listed in table 4. Some examples follow:

Example 1: Determine the 100-year flood discharge for the Jump River at Sheldon (station number 05362000).

Table 1. Flood-frequency equations for streams in Wisconsin

[A, contributing drainage area in square miles; S, main-channel slope in feet per mile; INTENS, 2-year, 24-hour precipitation intensity, in inches minus 2.3; ST, storage, in percent of basin area plus 1.0; SP, soil permeability of the least-permeable soil horizon in inches per hour; SN, mean annual snowfall for 1951 through 1980 in inches; FOR, forest cover in percent of basin area plus 1; Q_n , peak flood discharge in cubic feet per second, with an n-year recurrence interval]

Equation	Standard error of estimate (percent)	Standard error of prediction (percent)	Equation number
AREA 1 (39 stations)			
$Q_2 = 158 A^{0.720} INTENS^{2.95} S^{0.185}$	34	37	1
$Q_5 = 186 A^{0.778} INTENS^{3.34} S^{0.337}$	27	30	2
$Q_{10} = 226 A^{0.798} INTENS^{3.58} S^{0.396}$	25	28	3
$Q_{25} = 282 A^{0.818} INTENS^{3.82} S^{0.447}$	24	28	4
$Q_{50} = 317 A^{0.833} INTENS^{3.96} S^{0.480}$	25	29	5
$Q_{100} = 342 A^{0.848} INTENS^{4.06} S^{0.512}$	26	30	6
AREA 2 (36 stations)			
$Q_2 = 13.1 A^{0.885} SP^{-0.562} S^{0.388}$	24	27	7
$Q_5 = 15.1 A^{0.907} SP^{-0.619} S^{0.499}$	22	25	8
$Q_{10} = 16.2 A^{0.917} SP^{-0.649} S^{0.554}$	21	24	9
$Q_{25} = 17.2 A^{0.929} SP^{-0.679} S^{0.610}$	20	23	10
$Q_{50} = 17.6 A^{0.938} SP^{-0.697} S^{0.647}$	21	24	11
$Q_{100} = 17.7 A^{0.947} SP^{-0.713} S^{0.682}$	22	25	12
AREA 3 (56 stations)			
$Q_2 = 22.4 A^{0.868} SP^{-0.587} INTENS^{0.487} S^{0.239}$	36	38	13
$Q_5 = 36.7 A^{0.863} SP^{-0.665} INTENS^{0.523} S^{0.250}$	33	35	14
$Q_{10} = 55.9 A^{0.865} SP^{-0.671} INTENS^{0.484} S^{0.264} FOR^{-0.0853}$	31	34	15
$Q_{25} = 77.3 A^{0.864} SP^{-0.692} INTENS^{0.456} S^{0.270} FOR^{-0.127}$	30	33	16
$Q_{50} = 92.9 A^{0.864} SP^{-0.705} INTENS^{0.436} S^{0.273} FOR^{-0.150}$	30	33	17
$Q_{100} = 108 A^{0.864} SP^{-0.715} INTENS^{0.418} S^{0.276} FOR^{-0.166}$	30	33	18
AREA 4 (40 stations)			
$Q_2 = 1.36 A^{0.857} S^{0.262} ST^{-0.291} SP^{-0.251} SN^{0.688}$	28	32	19
$Q_5 = 4.63 A^{0.847} S^{0.289} ST^{-0.272} SP^{-0.256} SN^{0.486}$	28	31	20
$Q_{10} = 7.94 A^{0.844} S^{0.309} ST^{-0.265} SP^{-0.252} SN^{0.399}$	27	31	21
$Q_{25} = 13.2 A^{0.841} S^{0.332} ST^{-0.258} SP^{-0.244} SN^{0.317}$	27	30	22
$Q_{50} = 17.8 A^{0.839} S^{0.347} ST^{-0.253} SP^{-0.237} SN^{0.271}$	27	31	23
$Q_{100} = 22.7 A^{0.838} S^{0.361} ST^{-0.249} SP^{-0.230} SN^{0.233}$	27	31	24
AREA 5 (28 stations)			
$Q_2 = 8.17 A^{0.914} S^{0.454} ST^{0.264} SP^{-0.195}$	25	28	25
$Q_5 = 21.1 A^{0.899} S^{0.469} ST^{0.291} SP^{-0.242} INTENS^{0.486}$	21	24	26
$Q_{10} = 31.0 A^{0.887} S^{0.467} ST^{0.298} SP^{-0.261} INTENS^{0.611}$	20	24	27
$Q_{25} = 44.8 A^{0.874} S^{0.462} ST^{0.300} SP^{-0.281} INTENS^{0.716}$	20	25	28
$Q_{50} = 55.0 A^{0.868} S^{0.460} ST^{0.299} SP^{-0.293} INTENS^{0.769}$	21	26	29
$Q_{100} = 64.8 A^{0.863} S^{0.460} ST^{0.299} SP^{-0.302} INTENS^{0.808}$	22	27	30

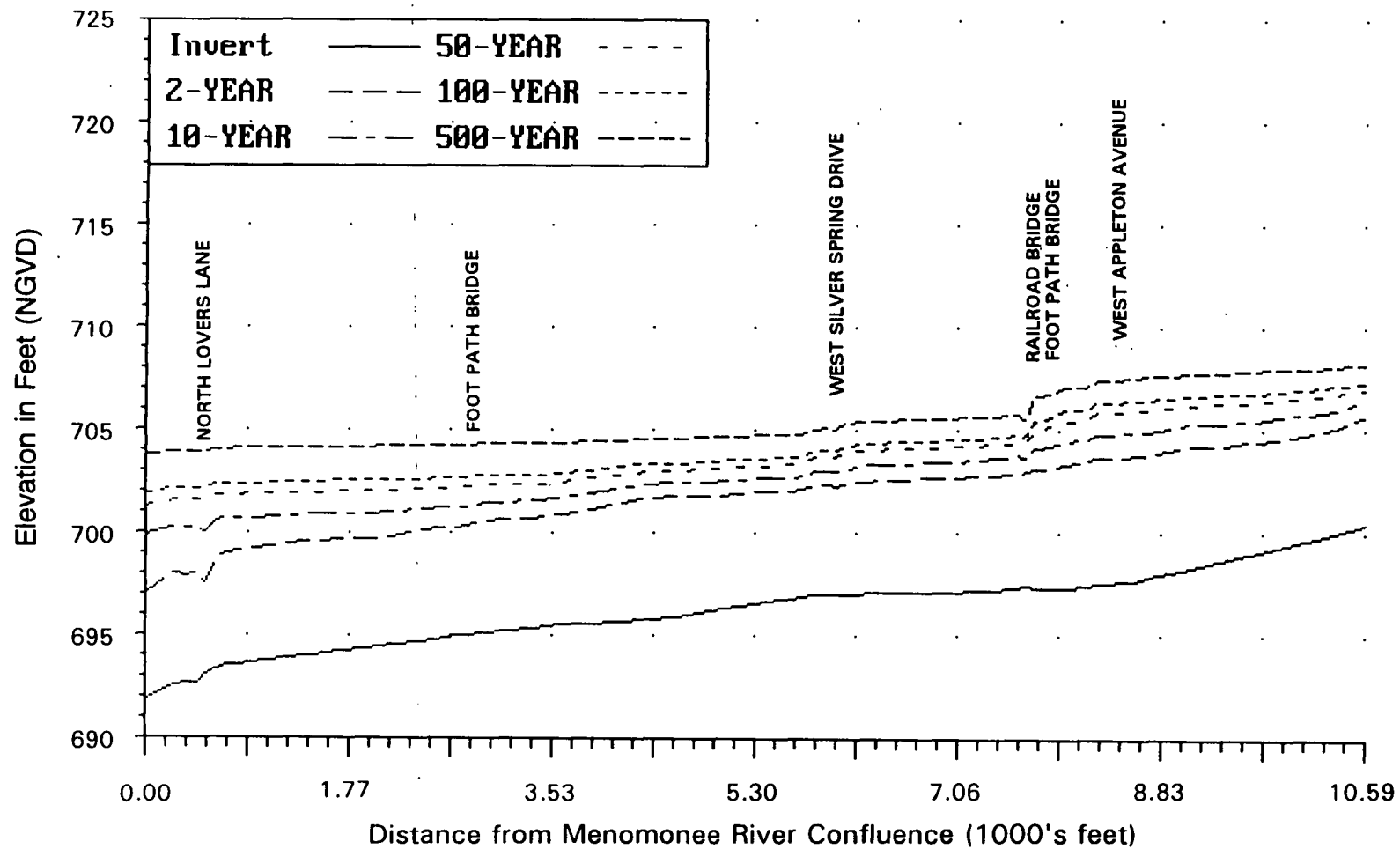
Graphical relations of flood-frequency characteristics and drainage area are presented for the regulated Menominee, Flambeau, Chippewa, and Wisconsin Rivers. The relations were developed by use of data at gaging stations for periods after the last large storage reservoir was constructed. For the Wisconsin River, the source of flood discharges through 1976 was a report by Krug and House (1980). Observed flood discharges were used after 1976.

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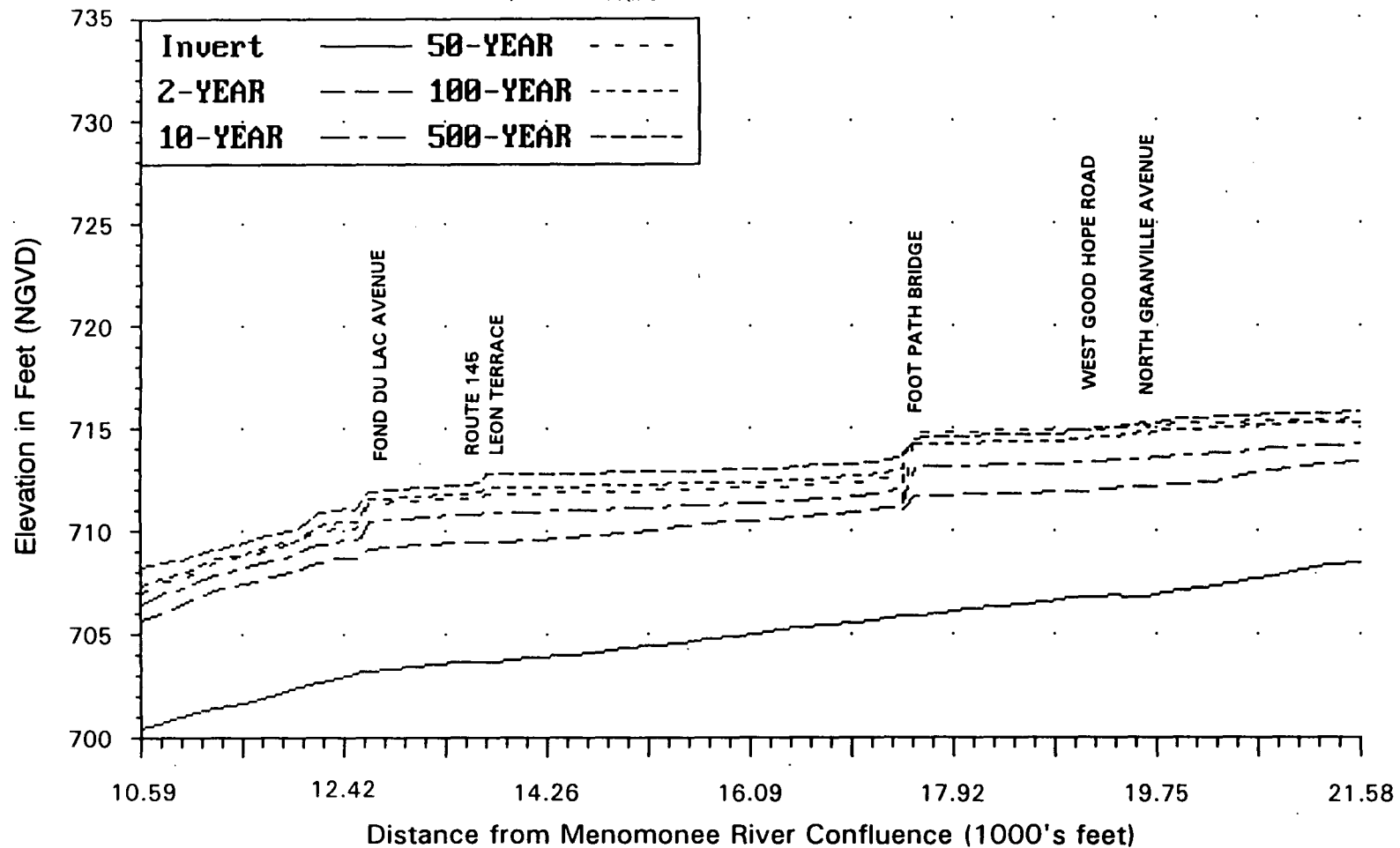
ATTACHMENT C

Revised Figures 4-1 through 4-3



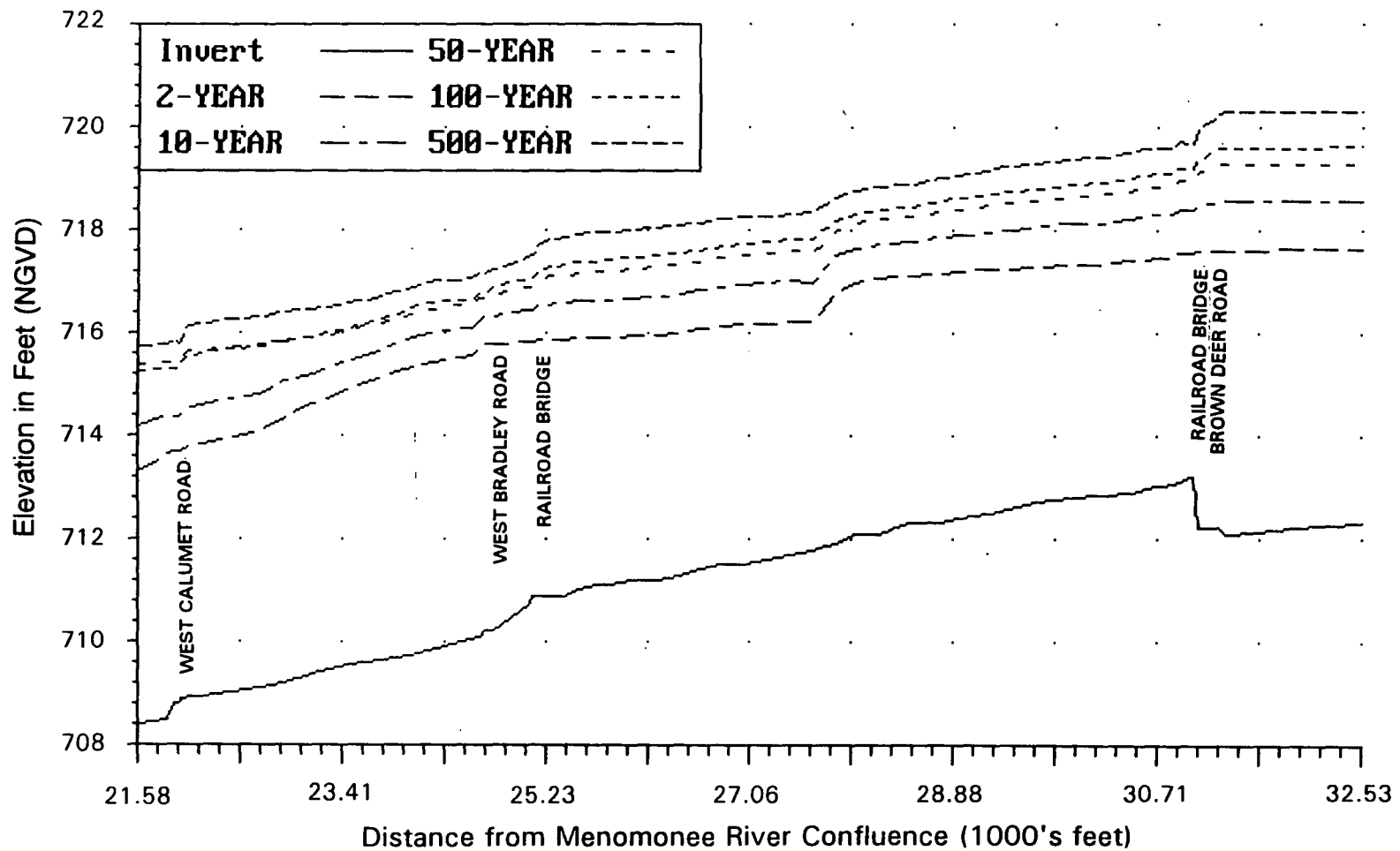
Remedial Design for Little Menomonee River
 Technical Memorandum - Predesign Task 10
 Moss-American Site, Milwaukee, Wisconsin

FIGURE 4-3
FLOOD PROFILES - LOWER REACH



Remedial Design for Little Menomonee River
 Technical Memorandum - Pre-design Task 10
 Moss-American Site, Milwaukee, Wisconsin

FIGURE 4-2
FLOOD PROFILES - MIDDLE REACH



Remedial Design for Little Menomonee River
 Technical Memorandum - Pre-design Task 10
 Moss-American Site, Milwaukee, Wisconsin

FIGURE 4-1
FLOOD PROFILES - UPPER REACH

ATTACHMENT D

Revised HEC-2 Model Input and Output

Print Out and Diskette

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS										
T2 MOSS AMERICAN RECHANNELING PROJECT										
T3 LITTLE MEMOMONEE Q2 DISCHARGE										
J1	2				-1		697			
J2	1	-1								
J3	100	101	150							
J3	38	1	13	14	15	55	26	56	58	53
J3	54									
J5	-10	-10								
NC	0.1	0.1	0.035							
*		2yr	5yr	10yr	25yr	50yr	100yr	500yr		
QT	7	589	794	945	1160	1330	1510	1990		
X1	1.0	33	292.5	314.5	145	145	145			
X3			170	170	170	145	145			
GR709.28			704.85	20	700.76	40	700	50	699.5	95
GR	700	145	700.6	170	700	260	698	277	696	292.5
GR693.20		298.5	691.9	299.5	691.90	310.5	693.20	311.5	696	314.5
GR	698	360	698.82	380	699	400	699	460	698.86	480
GR698.72		500	698.54	520	698.49	540	698.66	560	698.85	580
GR698.72		600	698.37	620	699	640	699	720	699.19	740
GR699.55		760	700.2	780	700	800				
NC			.3	.5						
*										
X1	2.0	25	382	506	236	276	257			
X3			320	320	320	531				
GR705.69			700.26	20	699.03	40	699	60	699	220
GR	699.4	240	699.35	260	699	280	699	300	699	320
GR698.76		340	698.77	360	698.9	380	697	382	692.5	419
GR	692.5	469	697	506	699	740	699.41	760	700	895
GR	701	900	702	905	703	910	704	917	706	935
*										
X1	3.0	16	28	152.1	90	90	90			
X3	10							707.25	708	
GR707.25			707.58	14	706.8	20	704.09	28	700.7	28.1
GR	694.7	63	694.7	82.5	692.7	83.5	692.7	96.5	694.7	97.5
GR	694.7	117	700.7	152	704.09	152.1	706.92	160	707.18	180
GR	707.2	181.9								
*	NORTH LOVERS LANE (bridge not in FIS HEC-2 model)									
SB	0.9	1.56	3.0	36	5	918.4	3.82			
X1	4.0			109	109	109				
X2			1	704.21	707.25					
X3	10						707.25	708		
BT	-16	0	707.25	707.25	14	707.58	707.58	20	707.9	706.8
BT		28	708.5	704.21	28.1	708.5	704.21	63	708.5	704.21
BT		82.5	708.5	704.21	83.5	708.5	704.21	96.5	708.5	704.21
BT		97.5	708.5	704.21	117	708.5	704.21	152	708.5	704.21
BT		152.1	708.5	704.21	160	708.12	706.92	180	708	707.18
BT		181.9	708	707.2						
*										
X1	5.0	23	396.5	418.5	52	52	52			
X3				66	444					
GR	705		704	37	703	66	702	99	701	149
GR	700	225	699.45	279	699.39	299	699.29	319	699.04	339
GR	699	359	697	396.5	694.4	402.5	693.1	403.5	693.1	414.5
GR	694.4	415.5	697	418.5	699	439	700.39	459	701.39	479
GR	702	499	703	518	707	533				
NC			.1	.3						
*										
X1	6.0	22	236.5	258.5	73	127	100			
X3				75	427					
GR705.25			704.8	20	703.23	40	701.94	60	699.41	80
GR	699	100	697	236.5	694.6	242.5	693.3	243.5	693.3	254.5
GR	694.6	255.5	697	258.5	699	500	699.06	520	699.15	540
GR699.29		560	699.83	580	701.49	600	703	620	703	640
GR	703	652	704	787						
*										
X1	7.0	19	190.5	212.5	75	125	100			
X3						464				
GR	706.3		705.09	20	703.82	40	702.91	60	702.35	80
GR701.61		100	699	120	697	190.5	694.8	196.5	693.5	197.5
GR	693.5	208.5	694.8	209.5	697	212.5	699	520	699.58	540
GR701.78		560	702.97	580	703	589	704	724		
*										
X1	8.0	25	248.5	270.5	76	124	100			
X3						570				
GR709.26			708.34	20	707.37	40	706.66	60	706.05	80
GR704.38		100	702.78	120	701.55	140	700.53	160	699.91	180
GR699.34		200	699	220	697	248.5	694.9	254.5	693.6	255.5
GR	693.6	266.5	694.9	267.5	697	270.5	699	560	699.25	580
GR701.21		600	702.55	620	703	640	703	645	704	780
*										
X1	9.0	23	178	205	73	122	98			
X3						529				
GR706.22			705.3	20	702.85	40	701.18	60	700.34	80
GR699.85		100	699.52	120	699.19	140	699	160	697	178
GR	694.8	182	693.7	183	693.7	193	694.8	194	697	205
GR	699	460	699.36	480	701.08	500	702.01	520	702.49	540
GR702.99		560	703	566	704	701				

*										
X1	9.5	19	596	623	289	289	289			
GR	712.6		710.6	55	708.6	120	706.6	230	704.6	299
GR	702.6	314	700.6	340	698.6	402	696.6	596	695	600
GR	693.9	601	693.9	611	695	612	696.6	623	698.6	1040
GR	698.6	1155	700.6	1221	702.6	1354	708.4	1443		
*										
X1	9.6	44	275	309	270	208	240			
GR707.26			706.15	20	704.72	40	703.32	60	702.18	80
GR701.74		100	701.44	120	701.11	140	700.79	160	700.52	180
GR700.27		200	700.01	220	699.84	240	699.68	260	697.58	275
GR695.05		280	694.05	281	694.05	293	695.05	294	697.45	309
GR	699	740	699.14	760	699.27	780	699.41	800	699.54	820
GR699.67		840	699.36	860	699.39	880	700.25	900	701.12	920
GR701.94		940	702.49	960	703	980	703.24	1000	703.52	1020
GR703.59	1024.5		703.83	1040	704.36	1060	705.06	1080	705.88	1100
GR	706.8	1120	707.73	1140	708.21	1160	708.43	1180		
NC				.3	.5					
*										
X1	10.0	20	756	782	299	216	255			
GR	710.6		708.6	28	706.6	70	704.6	122	702.6	206
GR	700.6	280	698.6	358	696.6	756	695.2	765	694.2	766
GR	694.2	781	695.2	782	696.6	800	696.6	895	698.6	1043
GR	700.6	1190	702.6	1307	702.6	1340	704.6	1400	710.6	1403
*										
X1	10.5	33	652.5	685.5	199	262	237			
X3				354	698.8	829	699.7			
GR703.54			703.16	20	702.44	40	701.6	60	700.97	80
GR700.68		100	700.40	120	700.12	140	699.92	160	699.76	180
GR	699.6	200	699.44	220	699.27	240	699.11	260	699	280
GR	697	652.5	695.25	658.5	694.35	659.5	694.35	672.5	695.25	673.5
GR	697	685.5	699.00	840	700.77	860	701.67	880	702.51	900
GR703.33		920	704.39	940	705.4	960	706.22	980	707.74	1000
GR709.22		1020	711.02	1040	713.27	1058.9				
*										
X1	11	20	1016	1047	210	210	210			
X3				792	698.87	1127	699.77			
GR	707	237	706	273	705	305	704	348	703	423
GR	702	434	701	463	700	493	698.6	1016	696.6	1020
GR	695.3	1023	694.5	1024	694.5	1036	695.3	1037	696.6	1043
GR	698.6	1047	699	1111	700	1172	705	1272	707	1302
*										
X1	11.5	43	686.5	717.5	252	252	252			
X3				572	698.92	762	699.82			
GR704.64			703.76	20	703.07	40	702.3	60	701.94	80
GR701.74		100	701.45	120	701.17	140	701	160	700.91	180
GR	700.7	200	700.3	220	700	240	700	260	699.86	280
GR699.72		300	699.58	320	699.44	340	699.3	360	699.16	380
GR699.02		400	698.6	420	698.6	686.5	695.8	692.5	694.7	693.5
GR	694.7	706.5	695.8	707.5	697	717.5	699	840	700.1	860
GR700.18		860.9	701.41	880	702.21	900	703.04	920	704.05	940
GR705.17		960	706.18	980	707.24	1000	708.56	1020	709.89	1040
GR710.94		1060	712.48	1080	712.73	1082.9				
NC	0.1	0.1	0.035							
*										
X1	12	22	1184	1224	249	249	249			
X3				1164	699.07	1229	699.97			
GR	712.6		710.6	67	708.6	213	706.6	394	704.6	555
GR	702.6	600	700.6	729	698.6	860	698.6	1184	696.6	1193
GR	695.4	1199	694.9	1200	694.9	1213	695.4	1214	696.6	1224
GR	698.6	1363	700.6	1423	702.6	1467	704.6	1507	706.6	1542
GR	708.6	1575	710.6	1607						
*										
X1	13	23	625	673	76	56	66			
X3	10							699.1	700	
GR	705		704	50	703	100	702	125	701	160
GR	700	195	699	235	698.7	385	699	475	699.2	570
GR	699.5	625	695	642	694.96	643	694.96	655	695	656
GR	699.5	673	699	713	700	798	701	833	702	873
GR	703	913	704	928	705	943				
*										
SB	FOOT PATH BRIDGE	1.56	3.0	SHEET 20	(bridge not	in FIS HEC-2 model)				
X1	13.5				14	140	3.78			
X2			1	699.5	699.1	6	6			
X3	10							699.1	700	
BT	-17	195	700	700	235	699.8	699	385	699.1	698.7
BT		475	699.4	699	570	699.8	699.2	625	700	699.5
BT		642	700	699.5	643	700	699.5	655	700	699.5
BT		656	700	699.5	673	700	699.5	713	700.3	699
BT		798	701.2	700	833	701.8	701	873	703	702
BT		913	703.7	703	928	704	704			
*										
X1	14	38	636	672	40	60	50			
X3				539	700.25	694	700.25			
GR	705.6		704.71	20	704.23	40	703.73	60	703.09	80
GR702.52		100	701.89	120	701.1	140	699.88	160	699	180
GR	699	636	697.5	639.5	695.68	644.5	694.98	645.5	694.98	660.5
GR695.68		661.5	697.5	668.5	699.06	672	699.09	680	699.23	700

GR699.31	720	699.18	740	699.47	760	700.6	780	701.13	800
GR701.43	820	701.99	840	702.34	860	702.69	880	703.08	900
GR703.76	920	704.75	940	705.88	960	706.85	980	708.16	1000
GR709.39	1020	710.37	1040	710.93	1051.5				
*									
X1 14.5	31	619	647	198	194	196			
GR705.93		704.99	20	703.16	40	702.74	60	702.52	80
GR701.27	100	699.5	120	699	140	699	580	699.21	600
GR699.26	619	695.6	624	695.1	625	695.1	641	695.6	642
GR699.34	647	700	660	700	672	699.5	680	699.5	740
GR 700	750	700.34	760	701.11	780	701.51	800	701.9	820
GR702.59	840	703.25	860	704.15	880	705.07	900	705.83	920
GR706.39	934.6								
NC			.1	.3					
*									
X1 15	30	1457	1485	169	169	169			
GR 712.6		710.6	222	708.6	480	708.6	513	710.6	624
GR 710.6	641	708.6	752	706.6	788	704.6	833	702.6	908
GR 700.6	1004	698.6	1108	698.6	1457	696.6	1460	695.5	1462
GR 695.2	1463	695.2	1480	695.5	1481	698.6	1485	700.6	1487
GR 700.6	1509	698.6	1518	698.6	1560	700.6	1608	702.6	1664
GR 704.6	1732	706.6	1770	708.6	1825	710.6	1854	712.6	1887
*									
X1 15.5	41	663.5	692.5	247	247	247			
GR 705		704	40	703	110	702.5	160	702.28	180
GR702.06	200	701.64	220	701.15	240	700.45	260	699.77	280
GR699.24	300	699	320	699	600	699.04	620	699.14	640
GR699.23	660	699.17	663.5	695.6	670.5	695.35	671.5	695.35	686.5
GR 695.6	687.5	699.27	692.5	699.65	700	700.1	720	700.42	740
GR700.63	760	701.5	774.1	701.9	780	702.1	800	702.5	820
GR 702.9	840	703.4	860	704.5	880	705.07	900	706.01	920
GR706.89	940	708.83	960	711.37	980	714.34	1000	716.12	1020
GR716.84	1030								
NC	.1	0.1	0.055						
*									
X1 16	32	1519	1566	200	274	236			
GR 712.6		710.6	150	710.6	222	708.6	475	708.6	672
GR 706.6	772	704.6	903	702.6	989	700.6	1121	698.6	1380
GR 700.6	1497	700.6	1519	698.6	1523	696.6	1526	695.7	1531
GR 695.5	1532	695.5	1545	695.6	1546	696.6	1549	698.6	1552
GR 700.6	1566	700.6	1586	698.6	1597	698.6	1628	700.6	1650
GR 702.6	1695	704.6	1777	706.6	1815	708.6	1874	710.6	1951
GR 710.6	2045	712.6	2120						
*									
X1 16.5	49	603	643	222	281	252			
GR 705		704	90	703.71	110	703.39	130	703.03	150
GR 703	170	702.53	190	701.86	210	701.52	230	701.18	250
GR 701	270	701	530	700.78	550	700.81	570	700.84	590
GR699.97	603	697.7	607	695.75	615	695.6	616	695.6	628
GR695.75	629	698.11	637	700.2	643	700.3	650	700.32	670
GR700.12	690	700.45	710	700.62	730	700.72	750	701	770
GR 701	830	701.18	850	701.44	870	701.69	890	701.94	910
GR702.42	930	702.98	950	703.77	970	704.70	990	705.52	1010
GR 706.5	1030	707.81	1050	709.04	1070	710.2	1090	711.52	1110
GR712.92	1130	715	1150	718.61	1170	719.33	1173		
*									
X1 17	23	1426	1450	250	240	245			
GR 712.6		710.6	128	710.6	370	708.6	497	706.6	672
GR 704.6	944	702.6	1141	700.6	1285	698.6	1386	698.6	1426
GR 696.6	1431	695.8	1433	695.7	1434	695.7	1445	695.8	1446
GR 696.6	1450	700.6	1460	700.6	1783	702.6	1878	704.6	1975
GR 706.6	2026	708.6	2052	712.6	2101				
*									
X1 17.5	52	689	720	256	256	256			
GR710.57		709.72	20	708.9	40	708.07	60	707.15	80
GR705.97	100	705.21	120	704.7	140	704.25	160	703.8	180
GR703.32	200	702.78	220	702.24	240	701.73	260	701.32	280
GR 701	300	701	660	700.38	680	698.3	689	695.85	697
GR 695.8	698	695.8	710	695.85	711	698.07	720	698.29	740
GR699.61	760	700.94	780	701	800	701	820	701.05	840
GR701.18	860	701.26	880	701.3	900	701.41	920	701.43	922.6
GR701.55	940	701.68	960	701.82	980	701.96	1000	702.33	1020
GR702.77	1040	703.23	1060	703.67	1080	704.11	1100	704.42	1120
GR704.49	1124.3	704.73	1140	705.08	1160	706.17	1180	706.87	1200
GR 707	1220	707	1227.6						
NC	0.1	0.08	0.035	0.3	0.5				
*									
X1 18	29	1190	1222	249	249	249			
X3					1711	710			
GR 710.6		708.6	160	706.6	170	706.6	274	706.6	285
GR 706.6	307	706.6	378	704.6	786	702.6	906	702.6	1182
GR 700.6	1188	698.6	1190	696.6	1193	695.9	1198	695.9	1199
GR 695.9	1213	695.9	1214	696.6	1219	698.6	1222	700.6	1228
GR 700.6	1240	698.6	1256	698.6	1272	700.6	1628	702.6	1757
GR 704.6	1838	706.6	1898	708.6	1965	710.6	2000		
*									
X1 19	63	469	501	312	286	300			
X3					947	710			

GR708.04		707.84	20	707.67	40	707.49	60	707.3	80
GR707.11	100	706.71	120	705.97	140	705.29	160	704.77	180
GR704.16	200	703.72	220	703.26	240	702.82	260	702.4	280
GR702.03	300	701.67	320	701.32	340	700.98	360	700.78	380
GR700.58	400	700.39	420	700.19	440	700	460	698	469
GR696.17	477	696.17	478	696.17	492	696.17	493	698	501
GR 700	540	700.23	560	700.29	580	700.38	600	700.48	620
GR700.58	640	700.67	660	700.77	680	700.87	700	700.96	720
GR 701	740	701	840	701.01	860	701.33	880	701.63	900
GR701.93	920	702.2	940	702.45	960	702.7	980	702.96	1000
GR703.19	1020	703.47	1040	703.74	1060	704	1080	704.04	1100
GR 704.5	1120	705.06	1140	705.37	1160	705.69	1180	706.02	1200
GR706.58	1220	707.44	1240	707.34	1255.7				

X1 19.5	53	335	367	270	237	253			
X3					739	710			
GR707.12		706.52	20	705.81	40	705.47	60	705.14	80
GR704.84	100	704.17	120	703.3	140	702.76	160	702.43	180
GR702.12	200	701.82	220	701.51	240	701.19	260	700.81	280
GR700.36	300	700	320	700	335	696.4	343	696.4	344
GR 696.4	358	696.4	359	700	367	700	520	700.11	540
GR700.25	560	700.39	580	700.53	600	700.66	620	700.78	640
GR 700.9	660	701.01	680	701.12	700	701.23	720	701.34	740
GR701.45	760	701.57	780	701.69	800	701.81	820	701.92	840
GR 702.1	860	702.38	880	702.67	900	702.96	920	703.28	940
GR703.62	960	703.96	980	704.83	1000	705.25	1020	705.61	1040
GR705.99	1060	712.02	1080	712.06	1083.8				

X1 20	51	335	367	285	234	260			
X3					651	710			
GR707.83		706.93	20	706.63	40	706.34	60	706.04	80
GR705.74	100	705.45	120	705.32	140	703.73	160	701.91	180
GR701.66	200	701.4	220	701.18	240	700.97	260	700.7	280
GR700.37	300	700.04	320	700.01	335	696.64	343	696.64	344
GR696.64	358	696.64	359	700	367	700	440	700.06	460
GR700.13	480	700.2	500	700.27	520	700.32	540	700.39	560
GR700.51	580	700.63	600	700.76	620	700.88	640	701	660
GR 701	680	701.23	700	701.46	720	701.69	740	701.83	760
GR701.92	780	702	800	702	840	702.45	860	702.8	880
GR703.38	900	704.64	920	705.98	940	706.14	960	706.05	980
GR 709.7	998.8								

X1 21	51	305	337	104	92	98			
X3					562	710			
GR707.35		706.9	20	706.75	40	706.59	60	706.44	80
GR706.29	100	706.14	120	705.93	140	703.93	160	701.95	180
GR701.59	200	701.23	220	700.83	240	700.52	260	700.24	280
GR 700	300	700	305	696.73	313	696.73	314	696.73	328
GR696.73	329	700	337	700	340	700.09	360	700.17	380
GR700.24	400	700.3	420	700.37	440	700.43	460	700.50	480
GR700.56	500	700.62	520	700.68	540	700.73	560	700.79	580
GR700.85	600	700.97	620	701.05	640	701.37	660	701.69	680
GR 702	700	702.14	720	702.29	740	702.43	760	702.58	780
GR702.83	800	703.25	820	703.63	840	704.17	860	706.55	880
GR710.13	898.4								

X1 22	44	251	283	108	89	98			
X3					456	710			
GR707.21		706.83	20	706.63	40	706.44	60	706.25	80
GR706.06	100	704.96	120	703.75	140	702.54	160	701.28	180
GR700.75	200	700.4	220	700.05	240	700.02	251	696.82	259
GR696.82	260	696.82	274	696.82	275	700.1	283	700.04	300
GR700.23	320	700.42	340	700.62	360	700.7	380	700.72	400
GR700.75	420	700.81	440	700.87	460	700.92	480	700.97	500
GR 701	520	701.16	540	701.28	560	701.44	580	701.59	600
GR701.82	620	702.47	640	702.37	660	702.68	680	702.89	700
GR 703	720	704.45	740	707.32	760	710.03	770.7		

X1 23	46	254	278	108	88	98			
X3					387	710			
GR 707		706.9	20	706.73	40	706.57	60	706.41	80
GR706.25	100	706.09	120	705.63	140	704.42	160	702.75	180
GR701.53	200	700.65	220	700	240	700	254	696.9	262
GR 696.9	263	696.9	277	700	278	700	286	700	300
GR700.59	320	701.61	340	701.75	360	701.88	380	701.97	400
GR702.22	420	702.52	440	702.7	460	703	480	701.94	500
GR701.87	520	701.89	540	701.95	560	702.42	580	704.42	600
GR706.61	620	708.74	640	709.36	650.3	710	660	710	680
GR710.04	700	710.44	720	710.71	740	710.98	760	711	780
GR 711	794.7								

NC			.3	.5					
X1 24.0	14	1138	1262	100	110	105			
X3							707.8	707.8	
GR 710.6		707.8	370	707.8	1138	700.5	1138.1	697.7	1175
GR 697.2	1193	697	1194	697	1206	697.2	1207	697.2	1225
GR 700.5	1261.9	707.8	1262	707.8	1830	710.6	2000		

* WEST SILVER SPRING DRIVE - (rebuilt since FIS HEC-2 model)

SB	0.9	1.56	3.0		78	5	758.2	3.07		
X1	25				112.5	112.5	112.5			
X2			1	704.5	707.8					
X3	10							707.8	707.8	
BT	-6	1138	707.8	707.8	1138.1	707.8	704.5	1175	707.8	704.5
BT		1225	707.8	704.5	1261.9	707.8	704.5	1262	707.8	707.8
NC	0.1	0.1	0.035							
*										
X1	26.0	20	538	566	59	66	62			
X3				472	710	627	710			
GR 710.6			708.6	43	706.6	71	704.6	129	702.6	229
GR 700.6	387		700.6	535	698.6	538	697.1	541	697	542
GR 697	558		697.1	559	698.6	566	700.6	679	702.6	1113
GR 704.6	1191		706.6	1262	708.6	1331	708.6	1410	710.6	1416
*										
X1	27	53	508.5	535.5	86	113	100			
X3				286	710	651	710			
GR713.37			709.68	20	707.54	40	705.83	60	705.05	80
GR704.38	100		703.19	120	703	140	702.61	160	702.89	180
GR701.56	200		701	220	701	320	700.89	340	700.78	360
GR700.66	380		700.54	400	700.42	420	700.3	440	700.19	460
GR700.13	480		700	500	700	508.5	697.12	511.5	697.02	512.5
GR697.02	527.5		697.12	528.5	700.06	535.5	700.08	540	700.82	560
GR701.14	580		701.41	600	701.68	620	701.94	640	702.11	660
GR702.26	680		702.46	700	702.7	720	702.93	740	703.19	760
GR703.47	780		703.75	800	704.02	820	704.24	840	704.46	860
GR 704.6	880		704.82	900	705.13	920	705.47	940	705.67	960
GR705.81	980		705.97	1000	706.18	1011				
*										
X1	28	43	471	497	85	116	101			
X3				167	710	699	710			
GR708.51			706.42	20	705.67	40	704.79	60	704.24	80
GR702.59	100		701.27	120	701	140	701	280	700.98	300
GR700.86	320		700.74	340	700.63	360	700.51	380	700.39	400
GR700.27	420		700.15	440	700.02	460	700	471	697.14	475
GR697.04	476		697.04	490	697.14	491	700	497	700	500
GR700.28	520		700.48	540	700.58	560	700.71	580	700.84	600
GR700.99	620		701.51	640	701.95	660	702.38	680	702.86	700
GR703.46	720		704.06	740	704.42	760	704.79	780	705.22	800
GR705.76	820		706.22	840	706.3	843.8				
*										
X1	29	52	488.5	514.5	92	110	101			
GR714.02			707.95	20	705.89	40	705.62	60	705.34	80
GR705.07	100		703.04	120	701.23	140	701	160	701	320
GR700.97	340		700.84	360	700.7	380	700.55	400	700.41	420
GR700.26	440		700.12	460	700	480	700	488.5	697.16	493.5
GR697.06	494.5		697.06	507.5	697.16	508.5	700	514.5	700	520
GR700.12	540		700.26	560	700.4	580	700.54	600	700.68	620
GR700.82	640		700.96	660	701.04	680	701.63	700	702.28	720
GR703.19	740		704.07	760	704.38	780	704.66	800	704.87	820
GR705.38	840		706	860	706.16	880	706.73	900	707.02	920
GR707.31	940		707.63	960	707.95	980	708.43	1000	708.88	1020
GR709.39	1040		709.61	1048						
*										
X1	30	41	494	519	87	114	100			
X3						820	710			
GR714.24			706.35	20	705.94	40	705.25	60	705.1	80
GR704.83	100		704.14	120	701	140	701	340	700.97	360
GR700.82	380		700.67	400	700.5	420	700.33	440	700.16	460
GR 700	480		700	494	697.18	500	697.08	501	697.08	513
GR697.18	514		700	519	700	520	700.04	540	700.16	560
GR700.28	580		700.4	600	700.52	620	700.64	640	700.76	660
GR700.86	680		700.97	700	701.24	720	701.54	740	701.83	760
GR702.19	780		703.17	800	704.07	820	704.82	840	705.64	860
GR705.84	864.7									
*										
X1	31	26	827	850	89	111	100			
X3						1153	710			
GR 710	345		706	357	705	402	704	411	703	452
GR 702	475		701	495	700.6	543	701	600	701	764
GR 700.6	827		698.6	830	697.2	833	697.1	834	697.1	844
GR 697.2	845		698.6	848	700.6	850	700.6	1050	701	1055
GR 702	1093		703	1128	704	1140	705	1151	707	1213
GR 710	1265									
*										
X1	31.5	39	497	523	138	171	155			
X3						835	710			
GR 720			713.62	20	709.4	40	705	60	705	80
GR 705	100		704.58	120	703.95	140	703	160	702.35	180
GR 701.7	200		701	220	701	460	700.46	480	700.07	497
GR697.25	503		697.1	504	697.1	516	697.25	517	700.01	523
GR700.05	540		700.18	560	700.3	580	700.43	600	700.54	620
GR700.67	640		700.8	660	700.88	680	700.96	700	701	720
GR 701	740		701	760	701	780	701	800	701.71	820
GR702.65	840		703.73	860	704.74	880	705.21	888.8		
*										
X1	32.0	24	519	547	139	172	156			
X3						851	710			

GR 710.6		708.6	63	706.6	130	704.6	203	702.6	298
GR 700.6	453	700.6	519	698.6	521	697.3	525	697.1	526
GR 697.1	540	697.3	541	698.6	544	700.6	547	704.6	552
GR 704.6	560	702.6	569	700.6	583	700.6	928	702.6	946
GR 704.6	1022	706.6	1080	708.6	1117	710.6	1165		
* X1 33.0	35	398.5	429.5	231	150	190			
X3					650	710			
GR 717.5	0	713.13	20	707.93	40	706.54	60	705.1	80
GR704.51	100	704.02	120	703.78	140	703.11	160	702.43	180
GR701.92	200	701.66	220	701.43	240	701.17	260	701	280
GR 701	360	700.70	380	700.28	398.5	697.33	406.5	697.15	407.5
GR697.15	420.5	697.33	421.5	700.41	429.5	700.58	460	700.66	480
GR700.74	500	700.92	520	701	540	701	685	701.12	705
GR701.70	725	702	745	702.33	765	702.88	785	703.65	801.5
* X1 33.5	33	363.5	397.5	194	270	228			
X3					518	710			
GR717.92		717.58	20	715.82	40	711.86	60	707.78	80
GR706.45	100	705.71	120	705.15	140	704.44	160	703.43	180
GR701.87	200	701.51	220	701	240	701	340	700.43	360
GR700.45	363.5	697.37	374.5	697.21	375.5	697.21	386.5	697.37	387.5
GR700.91	397.5	700.96	400	701	420	701	440	701	460
GR 701	480	701	500	701	520	701.22	540	702	560
GR702.45	580	708.95	600	711.91	605.4				
* X1 34	30	262	299	160	160	160			
X3					359	710			
GR715.31		713.85	20	710.85	40	706.1	60	704.38	80
GR 702.4	100	702	120	701.89	140	701.74	160	701.59	180
GR701.52	200	701.51	203.6	701.42	220	700.26	240	700.51	260
GR700.46	262	697.39	275	697.25	276	697.25	286	697.39	287
GR700.39	299	700.41	300	700.5	303	700.95	320	701.38	340
GR701.57	360	701.76	380	701.96	400	709.07	420	710.3	422.5
* X1 35	24	219	259	114	86	100			
X3					294	710			
GR714.98		710.06	20	706.26	40	704.89	60	704.4	80
GR703.27	100	701.98	120	701.8	140	701.63	160	701.46	180
GR701.02	200	700.46	219	697.4	235	697.28	236	697.28	244
GR 697.4	245	700.85	259	700.89	260	701.31	267.4	701.88	280
GR 702.5	300	703.12	320	709.63	340	712.68	346		
NC 0.08	0.08	0.035							
* X1 36	21	495	538	110	82	96			
X3			459	710	535	710			
GR 710.6		708.6	67	706.6	175	704.6	223	702.6	430
GR 700.6	470	700.6	495	698.6	505	697.4	513	697.3	514
GR 697.3	521	697.4	522	698.6	530	700.6	538	702.6	547
GR 702.6	1120	704.6	1210	704.6	1330	706.6	1433	708.6	1500
GR 710.6	1662								
* X1 37.0	18	584	616	46	52	49			
X3 10							721.6	721.6	
GR 710.6	82	708.6	149	706.6	257	704.6	305	702.6	512
GR 700.6	552	700.6	577	697.8	584	697.4	600	697.8	616
GR 700.6	620	702.6	629	702.6	1202	704.6	1292	704.6	1412
GR 706.6	1515	708.6	1582	710.6	1744				
* RAILROAD BRIDGE									
SB	1.56	3.0	1744	22		652.2	0.20		
X1 38.0			39	39		39			
X2		1	721.6	729.1					
X3 10							729.1	729.1	
* X1 39.0	23	582	655	60	58	59			
X3			576	710	661	710			
GR 714.6		714.6	10	712.6	19	710.6	23	708.6	70
GR 706.6	135	704.6	223	702.6	447	702.6	582	700.6	597
GR 698.6	603	697.5	615	697.3	616	697.3	631	697.5	632
GR 698.6	641	700.6	655	702.6	1052	704.6	1225	706.6	1362
GR 708.6	1425	710.6	1460	712.6	1505				
* FOOT PATH BRIDGE (bridge not in FIS HEC-2 model)									
X1 39.3	32	597	639	32	62	47			
X3			564	710	672	710			
GR 714.6		714.6	10	712.6	19	710.6	23	708.6	70
GR 706.6	135	704.6	223	702.6	447	702.6	582	700.6	597
GR 700.6	597.1	698.6	603	697.5	609	697.3	610	697.3	625
GR 697.5	626	698.6	635	700.6	639	700.6	639.1	701	643
GR 702	647	703	651	703	686	702.5	721	703	761
GR 704	926	705	976	706	1021	707	1066	708	1081
GR 709	1096	710	1111						
* SB	1.56	3.0		34		290.4	0.53		
X1 39.6				8	8	8			
X2		1	704.9	702.6					
X3			559	710	677	710			
BT -16	447	702.6	702.6	582	705.12	702.6	597	705.4	700.6
BT	597.1	705.4	704.9	603	705.4	704.9	609	705.4	704.9

BT	610	705.4	704.9	625	705.4	704.9	626	705.4	704.9
BT	635	705.4	704.9	639	705.4	704.9	639.1	705.4	700.6
BT	643	704.6	701	647	703.8	702	651	703.7	703
BT	686	703	703						
*									
X1	40	44	386.5	419.5	210	220	215		
X3			273	710	533	710			
GR705.85		704.8	20	704.44	40	703.84	60	703.46	80
GR702.96	100	702.55	120	702.34	140	702.13	160	702	180
GR 702	260	701.95	280	701.8	300	701.7	314.5	701.69	320
GR 701.8	340	702.33	360	703.68	380	702.57	386.5	697.49	400.5
GR697.36	401.5	697.36	410.5	697.49	411.5	701.62	419.5	703.35	440
GR703.42	460	703.23	480	703.04	500	703	520	703	540
GR703.07	560	703.25	580	703.44	599.7	703.44	600	703.63	620
GR703.83	640	704.06	660	704.92	680	705.84	700	706.37	720
GR 706.9	740	707	760	707	780	707.08	797.4		
*									
X1	40.5	23	373	422	166	187	182		
X3			333	710	463	710			
GR 712.6		710.6	4	708.6	15	706.6	50	704.6	110
GR 702.6	352	702.6	373	700.6	378	698.6	380	697.5	385
GR 697.4	386	697.4	396	697.5	397	698.6	400	700.6	403
GR 702.6	413	704.6	422	704.6	628	706.6	758	708.6	811
GR 710.6	824	710.6	957	712.6	1000				
NC			.3	.5					
*									
QT	7	565	771	923	1130	1300	1480	1950	
X1	41.0	13	19.1	138.9	104	107	105		
X3	10							710.5	709.3
GR 710.5		710.4	8.6	710.4	8.7	705.2	19.1	705.2	23.1
GR 697.7	40	697.6	80	697.7	120	704.5	135.7	704.5	138.9
GR 709.3	148.8	709.3	148.9	709.2	160				
*									
SB	1.05	1.56	3.0		80	5	1049.6	2	
X1	42.0				91	91	91		
X2		1	708	709.3					
X3	10							710.5	709.3
BT	-8	710.6	710.5	8.6	710.5	710.4	8.7	713.5	710.4
BT		19.1	713.4	708	138.9	712.4	707.2	148.8	712.4
BT		148.9	709.4	709.3	160	709.3	709.2		709.3
*									
X1	43.0	43	425.5	464.5	89	115	94		
X3			355	710	575	710			
GR709.86		709.13	20	708.48	40	707.79	60	707.1	80
GR706.54	100	706.02	120	705.48	140	704.96	160	704.51	180
GR704.04	200	703.92	220	703.75	240	703.58	260	703.41	280
GR703.24	300	703.01	320	703	340	703	400	702.76	420
GR702.28	425.5	697.94	436.5	697.64	437.5	697.64	450.5	697.94	451.5
GR701.21	464.5	701.96	480	702.55	500	703.13	520	703.7	540
GR704.14	560	704.44	580	704.55	587.3	704.75	600	705.08	620
GR705.33	640	705.59	660	705.85	680	706.1	700	706.27	720
GR706.38	735	707	780	708	855				
*									
X1	44	43	437.5	476.5	76	54	62		
X3			317	710	637	710			
GR711.67		710.64	20	710.06	40	709.35	60	708.42	80
GR707.59	100	706.86	120	706.31	140	705.45	160	704.6	180
GR 704	200	703.88	220	703.76	240	703.66	260	703.56	280
GR703.45	300	703.34	320	703.23	340	703.12	360	703.01	380
GR702.86	400	702.48	420	702.11	437.5	697.97	448.5	697.67	449.5
GR697.67	462.5	697.97	463.5	702.14	476.5	702.45	480	703	500
GR703.07	520	703.27	540	703.75	560	704.35	580	704.36	580.1
GR 704.8	600	705.17	620	705.43	640	705.7	660	705.96	680
GR706.38	725	707	780	708	845				
NC	0.1	0.035							
*									
X1	45	21	441	489	57	57	57		
X3			283	710	705	710			
GR 712.6		710.6	52	708.6	84	706.6	147	704.6	227
GR 702.6	441	700.6	445	698.6	449	698.0	452	697.7	453
GR 697.7	466	698	467	698.6	472	700.6	477	702.6	480
GR 704.6	489	704.6	569	706.6	625	708.6	777	710.6	1157
GR 712.6	1283								
*									
X1	46	50	470.5	509.5	132	117	123		
GR714.99		713.95	20	712.9	40	711.72	60	710.67	80
GR709.66	100	708.85	120	708.05	140	707.28	160	706.67	180
GR 706.1	200	705.45	220	704.72	240	704.03	260	704.09	280
GR704.26	300	704.37	320	704.47	340	704.57	360	704.67	380
GR704.77	400	706	420	704.52	440	702.7	460	702.45	470.5
GR698.05	481.5	697.85	482.5	697.85	495.5	698.05	496.5	702.97	509.5
GR703.37	520	703	540	703	560	703	580	703.49	600
GR704.08	620	704.5	640	704.91	660	705.22	680	705.49	700
GR705.51	701.3	705.76	720	706	740	706.1	760	706.3	780
GR706.51	800	706.72	820	706.98	840	707.36	860	707.68	877.5
NC			0.1	0.3					
*									
X1	46.5	43	407.5	448.5	187	187	187		

GR712.14		710.55	20	709.4	40	708.52	60	707.69	80
GR706.85	100	705.86	120	705.12	140	705.04	160	705	180
GR 704.7	200	704.12	220	704	240	704	260	704.17	280
GR704.49	300	704.83	320	705.26	340	707.8	360	707.27	380
GR703.96	400	703.33	407.5	698.27	419.5	698.07	420.5	698.07	433.5
GR698.27	434.5	703.1	448.5	704	460	704	600	704.44	620
GR704.91	640	705	660	705	680	703.78	700	703.98	720
GR704.29	740	704.57	760	704.42	780	704.19	800	705.85	820
GR706.37	840	706.6	860	706.64	864				
*									
X1 47	24	410	452	192	192	192			
GR 712.6		710.6	42	708.6	75	706.6	124	704.6	170
GR 702.6	410	700.6	413	698.6	418	698.4	422	698.3	423
GR 698.3	436	698.4	437	698.6	444	700.6	447	702.6	452
GR 704.6	457	704.6	468	702.6	500	702.6	582	704.6	880
GR 706.6	1048	708.6	1146	710.6	1211	712.6	1240		
*									
X1 47.5	47	373	416	244	244	244			
GR710.73		710.15	20	709.64	40	709.17	60	708.7	80
GR708.27	100	707.7	120	706.85	140	705.67	160	705	180
GR 705	200	704.92	220	704.81	240	704.69	260	704.57	280
GR704.45	300	704.33	320	704.21	340	704.09	360	704.36	373
GR 699.5	385	698.65	386	698.65	408	699.5	409	702.45	416
GR702.55	420	703	440	703.02	460	703.12	480	703.22	500
GR703.32	520	703.41	540	703.51	560	703.61	580	703.73	600
GR703.87	620	704.01	640	704.2	660	704.4	680	704.6	700
GR704.79	720	704.99	740	705.46	760	706.05	780	707.05	800
GR707.32	820	707.42	838.8						
*									
X1 48	21	383	428	256	256	256			
GR 712.6		710.6	70	708.6	157	706.6	260	704.6	347
GR 702.6	383	700.6	396	699	400	699.0	403	699.0	404
GR 699.0	418	699	419	699	422	700.6	425	702.6	428
GR 704.6	440	704.6	755	706.6	900	708.6	1075	710.6	1145
GR 712.6	1237								
*									
X1 48.5	51	352.5	392.5	251	251	251			
GR709.53		708.66	20	707.87	40	707.33	60	706.78	80
GR706.23	100	705.84	120	705.66	140	705.49	160	705.31	180
GR705.13	200	704.85	220	704.29	240	703.36	260	704	280
GR 704	300	703.92	320	703.46	340	702.99	352.5	700.20	366.5
GR699.35	367.5	699.35	382.5	700.2	383.5	702.24	392.5	702.13	400
GR702.28	420	702.68	440	703.63	460	704.03	480	704.15	500
GR704.27	520	704.4	540	704.52	560	704.64	580	704.76	600
GR704.88	620	705.08	640	705.26	660	705.47	680	705.67	700
GR705.88	720	706	740	706.13	760	706.37	780	706.61	800
GR706.71	820	706.69	840	706.99	860	707	880	707.05	900
GR707.44	917.3								
*									
X1 49	18	363	403	247	247	247			
GR 712.6		710.6	80	708.6	110	706.6	170	704.6	363
GR 700.6	371	699.8	377	699.7	378	699.7	388	699.8	389
GR 700.6	396	702.6	400	704.6	403	704.6	623	706.6	873
GR 708.6	961	710.6	1143	712.6	1285				
*									
X1 49.5	41	389	429	252	252	252			
GR724.73		721.02	20	717.63	40	714.73	60	711.68	80
GR 708.8	100	707.19	120	706	140	706	300	705.8	320
GR705.46	340	705.11	360	704.55	380	704.36	389	700.3	406
GR700.05	407	700.05	415	700.3	416	704.65	429	704.99	440
GR 705	460	704.85	480	704.66	500	704.66	520	704.81	540
GR704.96	560	705	580	704.85	600	704.81	620	704.86	640
GR704.91	660	704.97	680	705.17	700	705.67	720	705.84	740
GR705.96	760	706	780	706	840	706.27	860	706.75	880
GR 707	900								
*									
X1 50	23	402	441	249	249	249			
GR 714.6		712.6	59	710.6	102	708.6	140	706.6	204
GR 704.6	228	704.6	272	706.6	381	706.6	402	704.6	406
GR 702.6	411	700.8	421	700.4	422	700.4	429	700.8	430
GR 702.6	433	704.6	438	706.6	441	706.6	1125	708.6	1247
GR 710.6	1420	712.6	1518	714.6	1545				
*									
X1 50.5	43	439.5	479.5	223	229	226			
GR 708.1		710.49	20	711	40	711	60	708.33	80
GR707.04	100	706.58	120	706.13	140	706	160	706	320
GR 705	340	705	360	705.03	380	705.54	400	705.97	420
GR705.91	439.5	701.65	457.5	700.75	458.5	700.75	467.5	701.65	468.5
GR705.07	479.5	705.07	480	706	500	706	520	706	540
GR706.05	560	706.22	580	706.34	600	706.46	620	706.59	640
GR706.72	660	706.85	680	706.99	700	707.9	720	709.19	740
GR710.37	760	710.95	780	713.53	800	716.66	820	719.90	840
GR722.58	860	724.69	880	725	894.7				
NC .14	.14	.045							
*									
X1 51	19	380	421	223	198	211			
GR 714.6		712.6	51	710.6	135	708.6	227	706.6	310
GR 706.6	380	704.6	383	702.6	389	702.5	397	701.1	398

GR 701.1	409	702.5	410	702.6	414	704.6	417	706.6	421
GR 706.6	737	708.6	1046	710.6	1409	712.6	1600		
*									
X1 51.5	35	370.5	410.5	246	240	243			
GR725.18		724.18	20	722.58	40	721.17	60	719.51	80
GR712.73	100	710.41	120	709.37	140	708.09	160	706.57	180
GR706.39	191.1	706.39	200	706	220	706	360	705.52	370.5
GR 702.7	382.5	701.4	383.5	701.4	394.5	702.7	395.5	705.99	410.5
GR706.61	420	707	440	707	780	707.52	800	708.32	820
GR708.22	840	708	860	708.15	880	708.15	900	708.02	920
GR 708	925.7	710	1125	711	1140	712	1165	712.9	1225
*									
X1 52	24	355	396	263	238	250			
GR 714.6		712.6	53	710.6	143	708.6	159	706.6	175
GR 706.6	250	708.6	325	708.6	352	706.6	355	704.6	358
GR 702.9	363	701.7	364	701.7	376	702.9	377	704.6	393
GR 706.6	396	708.6	400	708.6	418	706.6	426	706.6	648
GR 708.6	795	710.6	1111	710.6	1150	712.6	1388		
NC			0.3	0.5					
*									
X1 52.5	43	275.5	313.5	254	254	254			
GR725.85		725.74	20	725.42	40	719.37	60	713.42	80
GR711.72	100	710.53	120	708.81	140	706.37	160	706	180
GR 706	200	706	220	706	230.6	706	240	706.03	260
GR706.29	275.5	703.1	286.5	702.05	287.5	702.05	296.5	703.1	297.5
GR706.87	313.5	706.95	320	707	340	707	595	707.22	615
GR707.52	635	707.81	655	708.15	675	708.26	682	708.46	695
GR708.76	715	709.2	735	710.16	755	710.95	775	710.98	795
GR710.18	815	709.19	835	709.12	855	709.6	866	710	931
GR 711	1026	713	1191	713	1211				
*									
X1 53	19	281	318	249	249	249			
X3			150	710.04	789	709.14			
GR 714.6		712.6	91	710.6	157	708.6	236	708.6	278
GR 706.6	281	704.6	286	703.3	296	702.4	297	702.4	304
GR 703.3	305	704.6	313	706.6	318	706.6	371	708.6	394
GR 708.6	504	710.6	664	712.6	1105	714.6	1342		
*									
X1 53.5	33	304.5	341.5	183	183	183			
X3			186	710.74	687	709.84			
GR 723		723	100	722.76	120	720.79	140	716.07	160
GR711.54	180	708.46	200	707.44	220	706.86	240	706.57	260
GR706.28	280	706	300	706	304.5	703.91	319.5	702.66	320.5
GR702.66	327.5	703.91	328.5	706.02	341.5	706.26	360	706.53	380
GR706.78	400	707	420	707	520	707.17	540	707.61	560
GR708.08	580	708.84	600	709.37	620	709.82	640	710	651
GR 711	886	712	906	712	936				
*									
X1 54	44	382.5	417.5	184	184	184			
X3			270	710.93	685	710.03			
GR727.27		725.51	20	721.97	40	722	60	722	120
GR721.82	140	721.55	160	721.28	180	720.96	200	717.37	220
GR 713.1	240	709.08	260	707.9	280	707.65	300	707.4	320
GR707.25	340	707.12	360	706.36	380	706.31	382.5	704.16	395.5
GR702.91	396.5	702.91	403.5	704.16	404.5	706.06	417.5	706.07	420
GR706.29	440	706.38	460	706.47	480	706.56	500	706.64	520
GR706.73	540	706.83	560	706.91	575	706.94	580	707.22	600
GR707.64	620	708.19	640	709.09	660	709.38	670.8	709.6	680
GR 710	695	711	1000	712	1035	712.1	1046		
*									
X1 55	36	224.5	257.5	72	72	72			
X3			119	711.01	491	710.11			
GR721.74		720.63	20	717.77	40	713.87	60	710.72	80
GR709.18	100	707.94	120	707.75	140	707.56	160	707.37	180
GR707.19	200	707	220	706.95	224.5	704.26	235.5	703.01	236.5
GR703.01	243.5	704.26	244.5	706.57	257.5	706.54	260	706.48	280
GR706.65	300	706.83	320	706.97	340	707.00	360	707	420
GR707.06	440	707.69	460	708.20	480	708.63	500	709.22	520
GR709.32	523.7	710	541	711	576	711	874	712	904
GR 712.2	918								
NC 0.1	0.1	0.035							
*									
QT 7	570	800	965	1190	1360	1550	2010		
X1 56	20	302	333	63	63	63			
X3			223	711.08	498	710.18			
GR 712.6	85	710.6	100	708.6	225	708.6	292	706.6	302
GR 704.7	312	703.1	313	703.1	319	704.7	320	706.6	333
GR 708.6	401	708.6	434	710.6	440	710.6	480	709.6	557
GR 710	623	711	653	711	945	712	955	712.5	985
NH 5	0.1	278	0.035	321	0.1	678	10	758	0.1
NH 825									
*									
WEST MILL ROAD / FOND DU LAC AVENUE									
X1 57	29	278	321	50	50	50			
X3 10							711.1	710.2	
GR 712.2	84	710.3	100	708.7	200	708.6	209	707.4	250
GR 706.9	269.3	706.9	269.4	706.6	278	704.8	281	703.2	283.5
GR 703.8	292	703.3	300	703.2	309	704.7	316.5	706.6	321
GR 706.9	330.6	706.9	330.7	707.5	350	708.6	385	708.6	400

GR	708.6	418	708.7	423	708.9	440	709.6	500	710.2	600
GR	712	675	712	678	712	758	713	825		
*										
SB		1.56	3.0		33		160.2			
X1	58				80	80	80			
X2			1	708.4	710.2					
X3	10							711.1	710.2	
BT	-24	84	712.2	712.2	100	712	710.3	200	711.1	708.7
BT		209	711.1	708.6	250	711.3	707.4	269.3	711.5	706.9
BT		269.4	712.1	706.9	278	712.1	706.6	281	712.1	704.8
BT		283.5	712.1	708.4	316.5	712.1	708.4	321	712.1	706.6
BT		330.6	712.1	706.9	330.7	711.5	706.9	350	711.3	707.5
BT		385	710.8	708.6	400	710.6	708.6	418	710.4	708.6
BT		423	710.3	708.7	440	710.2	708.9	500	710.8	709.6
BT		600	711.5	710.2	675	712	712	825	713	713
NC	0.035	0.035	0.035							
*										
X1	59	19	18.7	228.7	740	815	780			
GR	724.6	12.4	724.6	13.4	723.1	13.6	722	18.7	710.8	42.2
GR	705.3	53.7	703.7	120	705.1	136.3	710.8	147.6	710.8	159.6
GR	710.3	159.7	710.6	180	710.2	199.6	710.7	199.7	710.1	206.1
GR	719.3	225	719.4	228.7	721.6	229	721.6	230.2		
*										
ROUTE	145									
SB	.9	1.56	3.0		61	6	2894.9	3.48		
X1	59.3				130	130	130			
X2			1	725.1	726.4					
BT	-6	12.4	729.8	724.6	13.4	729.7	725.1	42.2	729.3	724.7
BT		147.6	727.7	723.4	229	726.5	722.3	230.2	726.4	721.6
*										
X1	59.6	19	242.5	356.5	98	98	98			
X3				170	713.4	445	713.7			
GR	716.6		714.6	56	712.6	117	710.6	159	710.4	240
GR	710.2	242.4	710.2	242.5	708.7	247.2	705.5	259.3	703.7	263
GR	703.7	338	705.9	342	709.1	352.3	710.7	356.5	710.7	356.6
GR	710.7	1174	712.6	1293	714.6	1340	716.6	1353		
*										
LEON TERRACE										
SB	1.05	1.56	3.0		69	5	468.3	3.34		
X1	60.0				114	114	114			
X2			1	709.1	710.4					
X3				140	710.4	475	710.7			
BT	-6	242.4	710.4	710.4	242.5	712.4	710.4	247.2	712.41	708.7
BT		352.3	712.69	709.1	356.5	712.7	710.7	356.6	710.7	710.7
*										
X1	61	50	743.5	784.5	29	29	29			
X3				529	715	914	715			
GR	715		711.52	90	710.86	110	710.28	130	709.82	150
GR709.45		170	709.1	190	709	210	709	430	708.86	450
GR708.76		470	708.69	490	708.53	510	708.12	530	708	550
GR	708	743.5	705.41	759.5	703.71	760.5	703.71	769.5	705.41	770.5
GR	708	784.5	708	850	708.09	870	708.32	890	708.54	910
GR708.96		930	708.55	950	708.24	970	708.22	990	708.34	1010
GR	709	1030	709	1050	709.07	1070	709.11	1090	709.15	1110
GR709.43		1130	709.71	1150	709.94	1170	709.41	1190	709.52	1210
GR709.96		1230	710.91	1250	710.42	1270	711.3	1290	711.74	1310
GR712.11		1330	712.34	1350	712.57	1370	712.76	1382	715	1422
*										
X1	62	55	722	762	36	76	56			
X3				437	715	944	715			
GR	715		711.7	80	710.9	100	710.18	120	709.79	140
GR709.51		160	709.23	180	709	200	709	420	708.79	440
GR	708.7	460	708.61	480	708.58	500	708.17	520	708	540
GR	708	722	705.32	737	703.72	738	703.72	748	705.32	749
GR708.01		762	708.08	780	708.2	800	708.25	820	708.32	840
GR708.39		860	708.46	880	708.53	900	708.6	920	708.67	938
GR708.67		940	708.76	960	708.85	980	708.94	1000	709	1020
GR	709	1040	709.20	1060	709.39	1080	709.59	1100	709.73	1120
GR709.86		1140	710.00	1160	709.98	1180	710.32	1200	710.51	1220
GR710.69		1240	710.88	1260	711.08	1280	711.31	1300	711.54	1320
GR711.78		1340	712.03	1360	712.45	1380	712.77	1393	715	1448
*										
X1	63	71	632.5	670.5	105	175	145			
X3				512	715	1112	715			
GR724.54			718.95	20	716.96	40	715.67	60	714.55	80
GR713.31		100	712.08	120	710.95	140	710.55	160	710.15	180
GR	709.8	200	709.53	220	709.3	240	709.06	260	709	280
GR	709	440	708.9	460	708.57	480	708.38	500	708.32	520
GR708.29		540	708.16	560	708	580	708	632.5	705.26	646.5
GR703.76		647.5	703.76	658.5	705.26	659.5	708	670.5	708	700
GR708.06		710.9	708.04	720	708.05	740	708.06	760	708.08	780
GR708.09		800	708.11	820	708.13	840	708.16	860	708.19	880
GR708.26		900	708.33	920	708.4	940	708.47	960	708.53	980
GR708.58		1000	708.66	1020	708.74	1040	708.82	1060	708.9	1080
GR708.99		1100	709.12	1120	709.25	1140	709.39	1160	709.53	1180
GR709.67		1200	709.8	1220	709.92	1240	710.03	1260	710.21	1280
GR710.38		1300	710.54	1320	710.72	1340	710.9	1360	711.12	1380
GR711.36		1400	711.59	1419	712	1459	713	1499	714	1529
GR	715	1549								
NC	0.08	0.1	0.035							

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X1	64	70	433.5	469.5	212	152	182			
X3				332	715	1097	715			
GR 719.6			716.53	20	715.3	40	714.47	60	713.36	80
GR712.61	100		711.99	120	711.52	140	711.15	160	710.66	180
GR 710	200		710	220	709.51	240	709	260	709	400
GR 708.9	420		708.29	433.5	705.14	445.5	703.84	446.5	703.84	459.5
GR705.14	460		708	469.5	708	480	708.03	500	708.15	520
GR708.26	537		708.26	540	708.22	560	708.24	580	708.26	600
GR708.27	620		708.24	640	708.16	660	708.17	680	708.15	700
GR708.17	720		708.19	740	708.21	760	708.23	780	708.25	800
GR708.26	820		708.28	840	708.3	860	708.33	880	708.39	900
GR708.46	920		708.53	940	708.6	960	708.67	980	708.74	1000
GR708.81	1020		708.88	1040	708.95	1060	709.05	1080	709.19	1100
GR709.32	1120		709.45	1140	709.56	1160	709.67	1180	709.77	1200
GR709.88	1220		709.98	1240	710.13	1260	710.32	1280	710.4	1288
GR 711	1348		712	1428	713	1468	714	1493	715	1518
NC 0.1	0.08		0.035							

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X1	65	71	355	390	125	45	85			
X3				263	715	1083	715			
GR720.84			718.1	20	716.62	40	714.8	60	714.1	80
GR713.55	100		713	120	712.81	140	712.24	160	711.32	180
GR710.61	200		709.56	220	709	240	709	300	708.74	320
GR 708.3	340		708.08	355	704.99	366	703.89	367	703.89	381
GR704.99	382		708.04	390	708.08	400	708.6	420	708.39	440
GR708.43	460		708.4	480	708.43	500	708.48	520	708.46	540
GR708.39	560		708.32	580	708.34	600	708.32	620	708.35	640
GR708.38	660		708.41	673.1	708.41	680	708.43	700	708.44	720
GR708.45	740		708.47	760	708.48	780	708.5	800	708.51	820
GR708.53	840		708.54	860	708.55	880	708.58	900	708.65	920
GR708.72	940		708.79	960	708.86	980	708.93	1000	709	1020
GR709.01	1040		709.13	1060	709.25	1080	709.37	1100	709.47	1120
GR709.59	1140		709.71	1160	709.82	1180	709.94	1200	710.11	1220
GR710.27	1236.4		711	1301	712	1374	713	1414	714	1439
GR 715	1464									
NC 0.08	0.08		0.035							

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X1	66	78	402.5	435.5	208	158	178			
X3				264	715	1441	715			
GR733.59			731.90	20	728.42	40	724.03	60	720.64	80
GR719.58	100		718.56	120	717.85	140	717.28	160	716.7	180
GR716.05	200		715.18	220	714.42	240	713.69	260	712.1	280
GR 711.1	300		710.41	320	709.86	340	709.52	360	708.89	380
GR708.26	400		708.22	402.5	704.96	412.5	703.96	413.5	703.96	428.5
GR704.96	429.5		708.28	435.5	708.33	440	709	460	708.94	480
GR708.86	500		708.78	520	708.7	540	708.65	560	708.6	580
GR708.56	600		708.57	620	708.58	640	708.59	660	708.6	680
GR708.62	700		708.63	720	708.64	740	708.65	760	708.66	780
GR708.68	800		708.69	820	708.7	840	708.71	860	708.73	880
GR708.74	900		708.75	920	708.76	940	708.77	960	708.79	980
GR708.84	1000		708.91	1020	708.98	1040	709	1060	709	1080
GR709.11	1100		709.22	1120	709.33	1140	709.44	1160	709.55	1180
GR709.66	1200		709.77	1220	709.88	1240	709.99	1260	710.16	1280
GR710.35	1300		710.54	1320	710.6	1326.8	711	1367	712	1432
GR 713	1487		714	1502	715	1522				

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X1	67	20	378	410	105	55	80			
X3				224	715	1111	715			
GR 716.6			714.6	138	712.6	210	710.6	342	708.6	378
GR 706.6	381		704.9	387	704	388	704	404	704.9	405
GR 706.6	408		708.6	410	710.6	417	710.6	431	708.6	442
GR 708.6	820		710.6	1255	712.6	1380	714.6	1438	716.6	1492
NC				0.1	0.3					

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X1	67.5	52	520.5	554.5	257	237	247			
GR725.28			724.72	20	724.21	40	723.38	60	722.46	80
GR 721.4	100		720.35	120	719.82	140	718.86	160	717.97	180
GR716.72	200		715.59	220	714.27	240	713.5	260	713.25	280
GR712.94	300		712.65	316	712.57	320	712.22	340	711.89	360
GR711.51	380		711.12	400	710.8	420	710.52	440	710.27	460
GR710.06	480		710.27	500	709.62	520	709.59	520.5	704.95	528.5
GR704.15	529.5		704.15	542.5	704.95	543.5	708.43	554.5	708.42	560
GR 709	580		709	1140	709.05	1160	709.19	1180	709.33	1200
GR709.48	1220		709.62	1240	709.73	1260	709.83	1280	709.97	1300
GR710.07	1320		710.22	1340	711	1430	712	1488	713	1551
GR 714	1580		715	1602						
NC 0.1	0.07		0.035							

*										
X1	68	17	293	328	251	259	255			
GR 716.6			714.6	26	712.6	70	710.6	127	708.6	293
GR 706.6	299		705	305	704.3	306	704.3	316	705	317
GR 706.6	323		708.6	328	708.6	654	710.6	1092	712.6	1228
GR 714.6	1305		716.6	1370						

*										
X1	68.5	53	433	468	249	249	249			
GR728.03			726.52	20	725.03	40	723.09	60	720.99	80
GR719.51	100		718.41	120	717.33	140	716.11	160	714.90	180

GR713.51	200	712.57	220	711.8	240	710.92	260	710	280
GR 710	400	709.83	420	709.28	433	705.05	446	704.45	447
GR704.45	455	705.05	456	708.85	468	709	480	709	860
GR709.06	880	709.18	900	709.29	920	709.40	940	709.51	960
GR 709.6	980	709.68	1000	709.78	1020	709.88	1040	709.98	1060
GR 710	1080	710	1200	710.07	1220	710.39	1240	710.68	1260
GR710.99	1280	711.43	1300	711.91	1320	712.17	1340	712.42	1360
GR712.78	1380	713.38	1400	714.06	1420	714.43	1440	714.80	1460
GR715.36	1480	716.16	1500	716.31	1505.40				
*									
X1 69.0	17	570	610	236	276	256			
GR 714.6		712.60	180	710.60	423	710.60	570	708.60	576
GR706.60	581	705.10	590	704.60	591	704.60	597	705.10	598
GR706.60	600	708.60	610	708.60	804	710.60	1340	712.60	1454
GR714.60	1572	716.60	1608						
NC 0.05	0.05	0.04							
*									
X1 69.5	78	652	695	254	254	254			
GR725.55		723.98	20	722.42	40	720.85	60	719.77	80
GR719.33	100	719.00	120	719.00	160	718.56	180	715.28	200
GR713.96	220	712.76	240	712.36	260	712.06	280	711.69	300
GR711.34	320	711.06	340	710.95	360	710.87	380	710.80	400
GR710.71	420	710.62	440	710.54	460	710.48	474.7	710.44	480
GR710.31	500	710.17	520	710.04	540	710.00	560	710.00	620
GR709.88	640	709.27	652	705.10	666	704.75	667	704.75	677
GR705.10	678	709.71	695	709.79	700	709.90	720	709.72	740
GR709.53	760	709.32	780	709.13	800	709.00	820	709.00	900
GR709.11	920	709.29	940	709.42	960	709.55	980	709.68	1000
GR709.81	1020	709.94	1040	710.14	1060	710.55	1080	710.59	1100
GR710.82	1120	710.85	1140	710.87	1160	710.97	1180	711.00	1200
GR711.35	1220	711.00	1240	711.00	1360	711.17	1380	711.34	1400
GR711.51	1420	711.68	1440	711.84	1460	712.05	1480	712.44	1500
GR712.82	1520	713.34	1540	714.01	1560	714.30	1580	714.61	1600
GR714.92	1620	715.45	1640	716.12	1660				
*									
QT 7	256	363	443	554	644	741	998		
X1 70.0	20	512	563	236	264	250			
GR 716.6		714.60	31	712.60	70	710.60	160	708.80	380
GR710.60	506	708.60	512	706.60	520	705.10	526	704.90	527
GR704.90	540	705.10	541	706.60	543	708.60	563	710.10	780
GR710.60	983	712.60	1235	713.80	1338	714.60	1493	716.60	1545
NC 0.1	0.1	0.035							
*									
X1 70.3	58	440	470	192	168	180			
GR 723		723	20	722.9	40	722.32	60	721.54	80
GR720.66	100	718.71	120	716.19	140	714.19	160	713.98	180
GR714.02	200	713.75	220	713.68	240	712.83	260	710.27	280
GR 710	300	710	320	709.92	340	709.75	360	709.59	380
GR709.43	400	709.26	420	708.25	440	706.74	444	705.24	450
GR705.04	451	705.04	464	705.24	465	706.74	467	708.29	470
GR708.58	480	709.31	500	709.11	520	709.06	540	709.01	560
GR 709	580	709.18	600	709	620	709.01	640	709.2	660
GR709.09	663.65	709.85	680	709.73	700	709.77	720	709.96	740
GR 710	760	710.01	840	710.23	860	710.45	880	710.67	900
GR710.93	920	711	940	711	1020	710.14	1040	709.03	1060
GR711.27	1080	717.02	1100	718	1112.29				
*									
X1 70.6	56	540	580	203	197	200			
GR716.98		715.49	20	714.5	40	713.57	60	712.72	80
GR712.18	100	711.64	120	711.06	140	710.64	160	710.19	180
GR709.94	200	709.85	220	709.75	240	709.65	260	709.55	279.08
GR709.55	280	709.46	300	709.36	320	709.27	340	709.17	360
GR709.08	380	709	400	709	480	709.27	500	709.83	520
GR708.71	540	706.94	549	705.4	555	705.2	556	705.2	569
GR 705.4	570	705.2	572	709.12	580	709.33	600	709.55	620
GR709.76	640	709.98	660	710	680	710	740	710	757.18
GR 710	760	710.14	780	710.3	800	710.47	820	710.63	840
GR710.69	860	710.79	880	710.91	900	711.01	920	711.13	940
GR711.44	960	711.6	980	711.96	1000	712.76	1020	713.83	1040
GR 714	1060								
NC			0.3	0.5					
*									
X1 71	18	597	627	185	193	189			
X3			112	712.62	1127	711.82			
GR 714.6		712.6	52	710.6	148	708.6	400	708.6	597
GR 706.6	608	705.4	610	705.3	611	705.3	618	705.4	619
GR 706.6	622	708.6	627	710.6	634	712.6	640	712.6	652
GR 710.6	787	712.6	1157	714.6	1591				
*									
X1 71.5	62	720	760	253	250	252			
X3			255	712.64	1011	711.84			
GR723.41		721.19	20	717.98	40	715.94	60	715.43	80
GR714.99	100	713.98	120	713.22	140	712.61	160	712.06	180
GR711.57	200	711.09	220	710.87	228.98	710.58	240	710.07	260
GR709.93	280	709.86	300	709.78	320	709.71	340	709.63	360
GR709.55	380	709.48	400	709.4	420	709.32	440	709.25	460
GR709.17	480	709.1	500	709.03	520	709	540	709	620
GR709.18	640	709.65	660	710	680	710	700	709.38	720

GR706.75	732	705.55	734	705.45	735	705.45	742	705.55	743
GR706.75	746	709.27	760	709.96	780	710	800	710.01	860
GR710.11	880	710.2	900	710.24	908.11	710.29	920	710.38	940
GR710.48	960	710.58	980	710.68	1000	710.78	1020	710.89	1040
GR710.99	1060	711	1080	711	1100	713.46	1120	717.37	1140
GR717.74	1160	717.98	1173.59						

*									
X1	72	19	518	552	233	263	248		
X3				139	712.66	674	711.86		
GR 714.6			46	710.6	71	708.6	247	708.6	260
GR 710.6	496	710.6	518	708.6	524	706.6	527	705.8	529
GR 705.6	530	705.6	538	705.8	539	706.6	542	708.6	544
GR 710.6	552	710.6	809	712	829	717	854		

*									
X1	73	41	480	540	315	296	291		
X3				368	712.69	560	711.89		
GR715.97		715.26	20	714.76	40	714.36	60	713.88	80
GR713.14	100	712.16	120	711.34	140	710.85	160	710.54	180
GR710.25	200	710	220	710.00	440	709.86	460	709.50	480
GR 708.8	493	706	498	705.77	499	705.77	517	706	518
GR 708	523	709.19	540	709.36	560	709.53	580	709.7	600
GR709.87	620	710.05	640	710.27	660	710.48	680	710.69	700
GR 710.9	720	711.18	740	711.51	760	711.83	780	713.41	800
GR716.54	820	718.85	840	719.76	860	719.65	880	719.48	900
GR718.47	913.49								

*									
X1	74	51	543	586	151	124	141		
X3	10							711.9	712.1
GR717.54		716.44	20	715.75	40	715.27	60	714.7	80
GR714.15	100	713.66	120	713.17	140	712.74	160	712.49	180
GR711.85	200	711.38	220	711.18	240	710.95	260	711.17	280
GR711.39	300	710.83	320	710.79	340	710.78	360	710.78	380
GR 710.7	400	710.52	420	710.56	440	710.81	460	710.63	480
GR710.43	500	710.37	520	710.19	540	710.14	543	708.7	546
GR 706.1	549	705.84	550	705.84	582	706.1	583	708.7	586
GR710.66	600	712	620	712	640	711.53	660	711.41	680
GR 711.5	700	711.31	720	711	740	711.28	760	712.03	780
GR712.41	800	712.78	820	713.7	840	717.46	860	719	880
GR 719	940								

* FOOT PATH BRIDGE (bridge not in FIS HEC-2 model)

SB	1.56	3.0		19		129.8	0			
X1	75	47	556.5	575.5	6	6	6			
X2		1	712.7	711.9						
X3	10							711.9	712.1	
BT	-43	0	719.23	719.23	20	718.49	717.01	40	717.74	715.95
BT		60	717	715.62	80	716.41	714.77	100	715.82	714.09
BT		120	715.24	713.51	140	714.68	713.01	160	714.14	712.34
BT		180	713.84	711.63	200	713.63	711.38	220	713.41	711
BT		280	712.87	711	300	712.75	710.88	320	712.64	710.64
BT		340	712.52	710.53	360	712.4	710.27	380	712.28	710
BT		443	711.9	710	540	713	710	543	713.13	708.47
BT		544	713.15	706.17	556.4	713.7	705.87	556.5	713.7	712.7
BT		566	713.7	712.7	575.5	713.7	712.7	575.6	713.7	705.87
BT		588	713.67	706.17	589	713.67	708.47	600	713.65	710
BT		660	713.53	710	680	713.49	710.13	700	713.45	710.4
BT		720	713.41	710.67	740	713.40	710.94	760	713.36	711.04
BT		772	713.3	711.17	780	713.17	711.26	800	712.86	711.49
BT		820	712.54	711.71	840	712.23	711.92	848	712.1	712.1
BT		860	713.03	713.03						
GR719.23		717.01	20	715.95	40	715.62	60	714.77	80	
GR714.09	100	713.51	120	713.01	140	712.34	160	711.63	180	
GR711.38	200	711	220	711	280	710.88	300	710.64	320	
GR710.53	340	710.27	360	710	380	710	443	710	540	
GR708.47	543	706.17	544	705.87	556.4	705.87	556.5	705.87	566	
GR705.87	575.5	705.87	575.6	706.17	588	708.47	589	710	600	
GR 710	660	710.13	680	710.4	700	710.67	720	710.94	740	
GR711.04	760	711.17	772	711.26	780	711.49	800	711.71	820	
GR711.92	840	712.1	848	713.03	860	716.08	880	718.32	900	
GR 719	920	719	960							

*									
X1	76.0	42	480	560	96	108	102		
X3				420	712.7	585	711.9		
GR 716		715.13	20	714.66	40	714.11	60	713.52	80
GR712.92	100	712.4	120	711.82	140	711.44	160	711.19	180
GR 711	200	710.94	220	710.87	240	710.8	260	710.73	280
GR710.66	300	710.39	320	710.13	340	710	360	710	480
GR708.31	496	706.21	497	705.91	498	705.91	544	706.21	545
GR708.31	546	710	560	710	600	710.34	620	710.65	640
GR 710.8	660	710.98	680	711.09	700	711.22	720	711.45	740
GR711.67	760	711.89	780	712.44	800	714.14	820	717.49	840
GR 719	860	719	900						

*									
X1	76.5	45	330	410	246	246	246		
GR719.91		717.45	20	713.94	40	713.22	60	712.8	80
GR712.52	100	712.28	120	712.04	140	712	160	711.89	180
GR711.65	200	711.42	220	711.18	240	711	252.25	710.61	260
GR710.14	330	708.25	340	706.35	341	706.05	342	706.05	398
GR706.35	399	708.25	400	710.14	410	710.14	417.4	710.15	420

GR710.21	440	710.27	460	710.34	480	710.4	500	710.47	520
GR710.53	540	710.59	560	710.65	580	710.71	600	710.76	620
GR710.84	640	710.92	660	710.99	680	711.59	700	712.22	720
GR712.76	740	713.61	760	714.26	780	714.81	800	715.16	806.4
NC			0.1	0.3					
*									
X1 77	19	475	563	207	260	240			
GR 718.6		716.6	58	714.6	120	712.6	170	710.6	225
GR 710.6	475	708.6	495	706.6	498	706.3	501	706.2	502
GR 706.2	549	706.3	550	706.6	558	708.6	563	710.6	675
GR 712.6	926	714.6	1000	716.6	1052	718.6	1085		
NC			0.3	0.5					
*									
X1 77.5	40	332	400	264	270	267			
X3			57	715	689	715			
GR715.91		714.87	20	713.88	40	713.1	60	712.53	80
GR712.07	100	711.63	120	711.32	140	711.05	160	711	180
GR 711	200	711	220	711	240	710.83	260	710.67	280
GR710.51	300	710.3	320	708.45	332	706.55	335	706.35	336
GR706.35	380	706.55	381	710.08	400	710.28	420	710.44	440
GR 710.6	460	710.76	480	710.92	500	711	520	711	640
GR711.03	660	711.35	680	711.65	700	711.99	720	712.72	740
GR713.52	760	715.96	780	718.95	800	720.59	820	721	832.22
*									
X1 78	19	240	330	249	245	247			
X3			87	715	521	715			
GR 720.6		718.6	10	716.6	22	714.6	50	712.6	109
GR 710.6	240	708.6	265	706.7	268	706.5	269	706.5	313
GR 706.7	314	708.6	320	710.6	330	710.6	640	712.6	740
GR 714.6	790	716.6	844	718.6	860	720.6	877		
*									
X1 79	19	184	250	383	288	336			
X3			152	715	331	715			
GR 717.6		716.6	37	716.6	90	714.6	120	712.6	173
GR 710.6	184	708.6	190	707	193	706.7	194	706.7	241
GR 707	242	709.6	248	710.6	250	710.6	605	712.6	713
GR 714.6	778	716.6	825	718.6	842	720.6	860		
*									
QT 7	300	428	518	636	727	822	1060		
X1 79.3	21	223	314.5	50	50	50			
X3							721.8	721	
GR 717.6	55	717.1	73	716.6	91	716.6	145	714.6	173
GR 712.6	223	712.6	223.1	707.8	265	706.8	266	706.8	289
GR 707.8	290	710.6	314.5	710.6	332	710.6	332.1	710.6	600
GR 710.6	687	710.9	700	712.6	800	714.3	850	714.6	860
GR 716.3	900								
*									
WEST GOOD HOPE ROAD - REBUILT SINCE FEMA									
SB	1.56	3.0		25		661.7	4.94		
X1 79.6				120	120	120			
X2		1	715.9	721					
X3							721.8	721	
BT -19	55	722.64	717.6	73	722.55	717.1	91	722.46	716.6
BT	145	722.19	716.6	173	722.05	714.6	223	721.8	712.6
BT	223.1	721.8	715.9	265	721.49	715.59	266	721.48	715.58
BT	289	721.32	715.42	290	721.31	715.41	332	721	715.1
BT	332.1	721	710.6	600	721.4	710.6	700	721.6	710.9
BT	800	721.8	712.6	850	721.9	714.3	860	721.92	714.6
BT	900	722	716.3						
*									
X1 80	16	198	235	202	202	202			
X3			162	715	287	715			
GR 717.5		716.6	81	714.6	151	712.6	173	710.6	198
GR 708.6	205	708.3	209	706.8	210	706.8	222	708.3	223
GR 708.6	229	710.6	235	710.6	460	712.6	630	714.6	686
GR 716.6	797								
*									
X1 81	50	400	460	78	82	80			
X3			400	715	550	715			
GR723.76		722.8	20	721.75	40	720.6	60	719.53	80
GR718.69	100	718.39	120	719.88	140	720.59	160	720.48	180
GR720.27	200	720.36	220	720.1	240	717.56	260	716.46	280
GR715.86	300	715.58	320	715.3	340	714.92	360	714.08	380
GR712.78	400	711	420	708.7	428	708.4	432	706.9	433
GR 706.9	445	708.4	446	708.7	452	711	460	711	540
GR711.19	560	711.38	580	711.47	600	711.95	620	713.05	640
GR712.62	660	711.72	680	711.6	700	711.68	720	711.75	740
GR711.82	760	711.89	780	711.96	800	712	820	712.16	840
GR713.06	860	713.77	880	714.31	900	714.68	920	714.78	925
*									
X1 82	15	299	352	111	171	141			
X3			246	715	391	713.9			
GR 717.5		716.6	134	714.6	222	712.6	279	710.6	299
GR 708.6	313	708.2	321	706.8	322	706.8	334	708.2	335
GR 708.6	340	710.6	352	712.6	955	714.6	1102	716.6	1240
*									
X1 82.3	27	365	439	50	50	50			
X3							717.3	714	
GR 717.5	72	717	150	716.7	200	714.6	294	714.4	300

GR 712.6	350	709.9	365	708.5	375	707.8	379	706.8	390
GR 707.4	400	708.3	415	708.7	419	707.4	425	707.9	430.5
GR 709	439	709.1	450	709.4	500	710	600	710.6	700
GR 711.2	800	711.8	900	712.4	1000	712.6	1026	713.6	1100
GR 715	1200	716.6	1312						
* NORTH GRANVILLE AVENUE - BRIDGE SKEWED									
* Bridge sections skewed prior to coding.									
*									
SB 1.05	1.56	3.0		53	3	418.2	1.59		
X1 82.6				93	93	93			
X2		1	713.4	714					
X3 10							717.3	714	
BT -20	72	718.1	717.5	150	717.3	717	200	717.3	716.7
BT 294.4	717.6	714.6	300	717.6	714.4	350	717.5	712.6	
BT 365	717.4	713.4	400	717.2	713.4	439	716.5	713.4	
BT 450	716.3	709.1	500	715.6	709.4	600	715.4	710	
BT 700	714	710.6	800	714.5	711.2	900	714.3	711.8	
BT 1000	714.6	712.4	1026	714.7	712.6	1100	715	713.6	
BT 1200	716.2	715	1312	717.5	716.6				
*									
X1 83	18	111	141	20	20				
X3			61	717.36	151	714.06			
GR715.63		715.67	20	715.49	40	713.99	60	711.51	80
GR711.68	100	710.17	111	707.87	116	706.81	117	706.81	133
GR707.87	134	710.17	141	711.14	146.7	714.36	160	714.48	180
GR714.88	200	712.41	220	712.06	231.65				
NC 0.07	0.07	0.035							
*									
X1 84	32	295	340	67	47	57			
X3			266	717.48	371	714.18			
GR716.86		717.55	20	717.53	40	717.19	60	716.85	80
GR715.93	100	714.99	120	714.37	137.01	714.28	140	713.43	160
GR 712.5	180	712.9	200	712.89	220	712.77	240	712.41	260
GR711.45	280	710.12	295	707.82	300	706.91	301	706.91	317
GR707.82	318	710.12	325	712	340	712	342.39	713.04	360
GR714.35	380	714.51	400	713.78	417.85	713.48	420	711.94	440
GR711.83	460	711.8	464.83						
*									
X1 85	36	476	506	138	96	117			
X3			406	717.59	591	714.29			
GR719.66		719.01	20	718.32	40	717.76	60	717.42	80
GR717.03	100	716.76	120	716.49	140	716.21	160	715.86	180
GR715.36	200	715.31	220	715.81	240	716.31	260	716.8	280
GR716.75	300	716.28	320	715.39	340	713.47	360	712.12	380
GR 712	400	712	419.12	712	420	712	440	711.31	460
GR710.22	476	707.92	481	707	482	707	498	707.92	499
GR710.22	506	712	510	712	580	713.87	600	714	620
GR 714	640								
*									
X1 86	48	550	580	102	108	110			
GR723.38		722.87	20	722.18	40	721.6	60	721.01	80
GR720.35	100	719.6	120	718.77	140	718.02	160	717.64	180
GR717.27	200	716.92	220	716.65	240	716.38	260	716.1	280
GR 716	300	715.68	320	715.38	340	715.09	360	715.07	361.53
GR714.89	380	714.69	400	714.49	420	713.55	440	713.28	460
GR713.07	480	712.72	500	712.28	520	711.24	540	710.32	550
GR707.92	555	707.08	556	707.08	572	707.92	573	710.32	580
GR711.03	600	711.2	600	711.36	620	711.72	640	712	660
GR 712	680	712.53	700	713.52	720	714	740	714	760
GR712.93	780	712	800	712	804.05				
NC			0.1	0.3					
*									
X1 87	30	300	337	240	238	223			
GR721.59		720.94	20	719.58	40	717.4	60	717.4	80
GR717.41	100	717.41	120	717.19	140	716.92	160	715.72	180
GR714.15	200	713.7	220	712.88	240	712.45	260	712.02	280
GR711.89	300	710.52	307	708.22	312	707.23	313	707.23	329
GR708.22	330	710.52	337	712.01	340	712.45	359.14	712.47	360
GR712.94	380	714.26	400	714.82	420	715	440	715	450.54
*									
X1 88	13	200	261	74	90	94			
GR 716.6		714.6	91	712.6	200	710.6	222	710.3	227
GR 707.6	228	707.3	244	710.2	245	710.6	252	712.6	261
GR 712.6	455	714.6	700	716.6	845				
*									
X1 88.3	44	360	400	181	174	177			
GR 721.5		719.74	20	718.69	40	718.24	60	717.82	80
GR717.45	100	717.18	120	717	140	716.93	160	716.55	180
GR716.16	200	715.77	220	715.38	240	715.01	260	715.34	280
GR715.65	300	715.48	320	714.01	340	712.32	360	709.77	368
GR709.17	375	707.47	376	707.47	384	709.27	385	709.77	388
GR 712.9	400	712	420	712	500	712.23	520	712.56	540
GR 713	560	712.7	580	712.99	600	712.78	620	712.43	640
GR 712.8	660	714	680	713.68	700	713.64	720	713.73	740
GR714.27	760	714.78	780	715.48	800	715.65	804.07		
*									
X1 88.6	42	320	360	173	184	179			

GR722.74		722.48	20	722.21	40	721.87	60	721.41	80
GR721.12	100	720.97	120	719.06	140	717.56	160	716.93	180
GR716.49	200	716.49	200.02	716.16	220	714.98	240	714.73	260
GR714.48	280	714.24	300	713.88	320	709.94	335	709.44	342
GR707.64	343	707.64	351	709.44	352	709.94	354	712	360
GR 712	440	712.1	460	712.47	480	712.81	500	713.2	520
GR713.62	540	714	560	714	600	714.13	620	714.47	640
GR714.87	660	715.24	680	715.59	700	716	720	717.91	740
GR719.65	760	720	780						

* X1	89	43	310	340	209	149	179		
GR725.03		725	20	724.94	40	724.46	60	722.84	80
GR719.69	100	719.64	120	719.04	140	717.79	160	716.55	180
GR714.86	200	714.73	220	714.55	240	714.38	260	714.21	280
GR714.03	300	712	310	710.11	319	709.51	326	707.81	327
GR707.81	335	709.61	336	710.11	338	712	340	712.82	360
GR 712	380	712	460	712.15	480	712.45	500	712.73	520
GR 713	540	713.29	560	713.57	580	713.87	600	714.16	620
GR714.43	640	714.72	660	715	680	716.55	700	718.06	720
GR718.54	740	719	760	719	774				
NC 0.05	0.05	0.035	0.3	0.5					

* X1	89.5	45	340	380	261	261	261		
X3			165	720	655	720			
GR725.23		723.72	20	721.13	40	720.21	60	720.17	80
GR719.14	100	718.63	120	717.79	140	714.99	160	713.34	180
GR 712.8	200	712.47	220	712.16	240	712.04	260	712	280
GR712.38	300	713	320	712	340	710.36	346	709.76	353
GR708.06	354	708.06	362	709.86	363	710.36	365	712.3	380
GR712.53	400	712.42	420	712.61	440	712.79	460	712.97	480
GR 713	500	713	540	713.08	560	713.26	580	713.44	600
GR713.60	620	713.79	640	714	660	714.53	680	716.66	700
GR719.54	720	721.33	740	721.98	760	722.52	780	723.12	800

* X1	90	13	302	330	249	264	256		
X3			77	720	571	720			
GR 716.6		714.6	55	712.6	129	712	302	710.6	311
GR 710	318	708.3	319	708.3	327	710.1	328	710.6	330
GR 712.6	414	714.6	632	716.6	690				

* X1	91	44	487.2	520	257	257	257		
X3			224	720	724	720			
GR723.12		721.63	20	719.94	40	719.76	60	719.55	80
GR719.35	100	719.14	120	717.51	140	715.45	160	714.99	180
GR714.59	200	714.41	220	714.23	240	714.05	260	713.89	280
GR713.73	300	713.58	320	713.42	340	713.26	360	713.1	380
GR 713	400	713	487.2	709.71	494	708.4	495	708.4	503
GR709.81	504	710.89	506	713	520	713.58	540	713	560
GR 713	640	713.46	660	713.95	680	714.28	700	714.57	720
GR714.85	740	715.46	760	716.33	780	717.08	800	717.79	820
GR718.63	840	719.51	860	722.81	880	726.34	893.75		

* X1	92	13	460	500	259	283	271		
X3			401	720	525	720			
GR 716.6		714.6	151	712.6	358	712.6	460	710.6	475
GR 710.2	480	708.5	481	708.5	488	710.3	489	710.6	491
GR 712.6	500	714.6	627	716.6	718				

* X1	92.3	29	479.7	520.3	45	45	45		
X3	10						715.8	719	
GR 716.6	14	715.5	100	714.6	166	714.5	200	714.3	300
GR 714.0	400	713.9	450	713.9	459.5	713.9	459.6	713.9	470
GR 710.4	479.6	710.4	479.7	710.3	487	709.7	494	708.8	494.1
GR 708.9	500	709.4	506	708.9	509	709.5	513	709.6	520.3
GR 709.6	520.4	713.9	535.5	713.9	540.5	713.9	540.6	714	550
GR 714.3	600	714.6	642	715.9	700	716.6	733		

* WEST CALUMET ROAD (added points to square up top of opening)									
SB	1.56	3.0	33	264.6	0.53				
X1	92.6		44	44	44				
X2		1	716	715.8					
X3	10					715.8	719		
BT -22	14	717.8	716.6	100	716.2	715.5	166	715.9	714.6
BT	200	715.8	714.5	300	716.5	714.3	400	717.8	714
BT	450	718.8	713.9	459.5	719	713.9	459.6	719.6	713.9
BT	470	719.6	713.9	479.6	719.6	710.4	479.7	719.6	716
BT	520.3	719.6	716	520.4	719.6	709.6	535.5	719.6	713.9
BT	540.5	719.6	713.9	540.6	719.3	713.9	550	719.3	714
BT	600	719.1	714.3	642	719.1	714.6	700	719	715.9
BT	733	719.4	716.6						
NC 0.1	0.04	0.035							

* X1	93	13	491	534	30	35	25		
X3			451	720	541	720			
GR 716.6		714.6	159	712.6	338	712.6	491	710.6	499
GR 710.2	507	708.9	508	708.9	514	710.2	515	710.6	523
GR 712.6	534	714.6	540	716.6	568				

* X1	94	46	480	520	35	35	35		
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X3			320	720	560	720			
GR716.63		716.14	20	715.82	40	715.55	60	715.3	80
GR 715.1	100	714.92	120	714.76	140	714.57	160	714.38	180
GR714.19	200	714	220	714	240	713.95	260	713.75	280
GR713.55	300	713.35	320	713.29	340	713.1	360	713	380
GR 713	480	710.61	493	710.21	501	708.91	502	708.91	508
GR710.21	509	710.61	517	713	520	714	540	714.79	560
GR716.43	580	717.59	600	719.27	620	720.1	640	719.66	660
GR 720.5	680	720.96	700	721.35	720	721.65	740	721.9	760
GR722.36	780	722.77	800	723.34	820	724.47	840	725.82	860
GR726.56	864.71								

*									
X1 95	44	440	480	55	55	55			
X3			185	720	540	720			
GR 715.5		715.2	20	714.96	40	714.85	60	714.74	80
GR714.62	100	714.45	120	714.29	140	714.13	160	714	180
GR713.89	200	713.67	220	713.46	240	713.25	260	713.04	280
GR 713	300	713	400	713.32	420	713	440	710.62	446
GR710.22	454	708.92	455	708.92	461	710.22	462	710.62	470
GR 713	480	714.24	500	714.27	520	714.71	540	716.98	560
GR719.41	580	719.4	587.11	719.15	600	719.9	620	720.53	640
GR720.91	660	721.28	680	721.56	700	721.97	720	722.42	740
GR722.76	760	723.33	780	724.53	800	726.53	815.54		

*									
X1 96	47	500	549	90	102	96			
GR716.98		715.64	20	715.24	40	714.93	60	714.76	80
GR714.66	100	714.55	120	714.42	140	714.32	160	714.23	180
GR714.14	200	714.03	220	713.84	240	713.64	260	713.43	280
GR713.23	300	713.02	320	713	340	713	440	713.36	460
GR 713	480	713	500	710.65	517	710.25	525	708.95	526
GR708.95	532	710.25	533	710.65	541	713	549	716	560
GR715.59	580	715.93	600	716	620	715.77	640	716.04	660
GR716.93	680	716.6	700	717.27	720	717.94	740	718.53	760
GR719.11	780	719.77	800	721.08	820	722.54	840	724.48	860
GR726.01	880	727.21	891.26						
NC			0.3	0.5					

*									
X1 97	46	600	660	280	242	269			
GR 716.9		716.96	20	716.34	40	716	60	716	80
GR714.96	100	714	120	713.95	140	713.72	160	713.49	180
GR713.26	200	713.27	220	713.31	240	713.35	260	713.39	280
GR713.51	300	713.66	320	713.8	340	713.95	360	714	380
GR 714	600	710.73	619	710.33	627	709.03	628	709.03	634
GR710.33	635	710.73	643	713	660	713	680	713.64	700
GR714.49	720	715.03	740	715.32	760	715.61	780	715.89	800
GR716.52	820	717.35	840	718.32	860	719.29	880	720.23	900
GR721.27	920	722.52	940	724.08	960	725.88	980	729.03	1000
GR731.58	1009.87								

*									
X1 98	13	732	765	260	268	264			
GR 716.6		714.6	13	714.6	732	712.6	742	710.6	747
GR 710.4	751	709.1	752	709.1	760	710.5	761	710.6	763
GR 712.6	765	714.6	836	716.6	920				

*									
X1 98.3	50	800	820	202	202	202			
GR 720		720	20	718.86	40	715.71	60	714.96	80
GR714.76	100	714.56	120	714.37	140	714.21	160	714.04	180
GR 714	200	714	360	714.01	380	714.12	400	714.23	420
GR714.33	440	714.41	460	714.49	480	714.47	500	714.45	520
GR714.43	540	714.41	560	714.39	580	714.37	600	714.4	620
GR714.22	640	714	660	714	740	714.21	760	714.84	780
GR713.84	800	710.72	802	710.52	806	709.22	807	709.22	815
GR710.62	816	710.72	818	713.85	820	714.00	840	714	940
GR715.09	960	715.78	980	717.13	1000	718.80	1020	720.49	1040
GR722.50	1060	724.7	1080	726.66	1100	729.24	1120	730.54	1137.05

*									
X1 98.6	62	840	873.6	254	254	254			
GR 722		721.71	20	718.76	40	717.57	60	716.89	80
GR716.43	100	715.97	120	715.48	140	715.03	160	714.81	180
GR714.61	200	714.36	220	714.12	240	714	260	714	320
GR714.06	340	714.13	360	714.19	380	714.25	400	714.32	420
GR714.38	440	714.44	460	714.51	480	714.57	500	714.63	520
GR714.68	540	714.73	560	714.81	580	714.9	600	715	620
GR 715	820	714.61	840	710.86	853	710.66	857	709.36	858
GR709.36	866	710.76	867	710.86	869	714	873.6	714	880
GR 715	900	715.24	920	716.05	940	716.63	960	717.14	980
GR717.81	1000	718.74	1020	719.89	1040	721.09	1060	722.37	1080
GR723.67	1100	724.93	1120	726.38	1140	727.85	1160	729.11	1180
GR730.29	1200	731.65	1220	733.29	1240	734.55	1260	735.34	1280
GR735.95	1300	736.16	1306.36						

*									
X1 99	13	830	869	220	230	225			
GR 718.6		716.6	65	714.6	200	714.6	830	712.6	835
GR 711.1	840	709.5	841	709.5	849	711.1	850	712.6	860
GR 714.6	869	716.6	918	718.6	970				

*									
X1 99.5	40	780	840	245	255	250			
GR718.71		718.11	20	717.75	40	717.43	60	717.16	80

GR 716.7	100	716.06	120	715.62	140	715.37	160	715.12	180
GR 715	200	715	760	714	780	712.7	796	711.2	801
GR 709.6	802	709.6	809	711.2	810	712.7	820	715.75	840
GR716.28	860	716.56	880	717.08	900	717.46	920	717.85	940
GR718.38	960	719.35	980	720.44	1000	721.52	1020	722.73	1040
GR 723.9	1060	725.15	1080	725.57	1100	725.98	1120	726.56	1140
GR727.12	1160	727.46	1180	727.8	1200	728.26	1220	728.3	1221.19
NC			0.3	0.5					
*									
X1 100	16	751	785	270	284	277			
X3			153	720					
GR 718.6		716.6	122	714.6	445	714.6	725	716.6	730
GR 716.6	748	714.6	751	712.6	755	711.9	760	709.7	761
GR 709.7	770	711.9	771	712.6	779	714.6	785	716.6	790
GR 718.6	910								
*									
X1 100.5	45	600	660	205	205	205			
X3			125	720					
GR720.34		719.72	20	718.99	40	718.39	60	717.8	80
GR717.29	100	716.87	120	716.55	140	716.23	160	716.01	180
GR715.99	200	715.92	220	715.85	240	715.78	260	715.7	280
GR715.63	300	715.58	320	715.55	340	715.51	360	715.47	380
GR715.44	400	715.4	420	715.36	440	715.33	460	715.2	480
GR715.08	500	715	540	715	560	715.36	580	715.03	600
GR 712.7	619	712	624	709.8	625	709.8	634	712	635
GR 712.7	643	715	660	715	780	715.03	800	715.29	820
GR715.56	840	715.87	860	717.73	880	722.75	900	727	920
*									
X1 101	16	509	543	223	223	223			
X3			118	720					
GR 718.6		716.6	111	714.6	509	712.6	515	712.1	519
GR 709.9	520	709.9	530	712.1	531	712.6	538	714.6	543
GR 716.6	550	716.6	560	714.6	588	714.6	740	716.6	1059
GR 718.6	1110								
*									
X1 102	36	480	507	131	131	131			
X3			178	720	683	720			
GR721.17		720.29	20	719.34	40	718.58	60	717.96	80
GR717.50	100	717.02	120	716.26	140	715.92	160	715.79	180
GR715.66	200	715.55	220	715.45	240	715.34	260	715.23	280
GR715.13	300	715.02	320	715	340	715	460	714.67	480
GR 712.7	482	712.2	486	710	487	710	497	712.2	498
GR 712.7	505	714.67	507	714.92	520	715	540	715	720
GR715.39	740	715.74	760	716.61	780	719.74	800	724.76	820
GR 726	840								
*									
X1 103	43	403	426	127	107	117			
X3			259	720	542	720			
GR 725.1		719.97	20	717.86	40	717.17	60	716.65	80
GR716.23	100	716	120	715.91	140	715.78	160	715.65	180
GR715.52	200	715.41	220	715.37	240	715.17	260	715	280
GR715.11	300	715.28	320	715.45	340	715.61	360	715.56	380
GR714.59	400	714.2	403	713.7	407	710.05	408	710.05	418
GR 713.7	419	714.2	426	716.2	440	716.67	460	715.87	480
GR 715	500	715	600	715.19	620	715.46	640	715.76	660
GR716.55	680	716.57	700	716.93	720	720.37	740	723.99	760
GR725.91	780	725.59	800	725.76	807.48				
*									
X1 104	12	323	365	66	62	64			
X3			259	720	419	720			
GR 718.6		716.6	51	714.6	323	712.6	332	712.3	337
GR 710.1	338	710.1	350	712.3	351	712.6	358	714.6	365
GR 716.6	680	718.6	1012						
*									
QT 7	181	277	345	435	502	578	757		
X1 104.3	36	379.7	420.3	50	50	50			
X3 10							717.9	717.6	
GR 718.6	74	717	100	716.6	106	716.5	150	716.4	200
GR 716.2	300	716.2	350	716.1	359.4	716.1	359.5	716.1	367
GR 713.7	375	711.8	379.7	711.8	379.8	711.7	386	711	393
GR 712.1	400	712.3	404	712.1	407	711.7	412	710.2	412.1
GR 710.3	416	710.5	420.2	710.5	420.3	711.9	429	716.2	436
GR 716.2	440.4	716.2	440.5	716.2	450	716.3	500	716.4	600
GR 716.6	700	716.6	736	717	800	717.6	900	718.2	1000
GR 718.6	1068								
*									
WEST BRADLEY ROAD (added points to square up top of bridge opening)									
SB 1.56	3.0		12		255.3	2.72			
X1 104.6			44	44	44				
X2	1	717.9	718.4						
X3 10							720.3	718.4	
BT -29	74	725	718	100	724	717	106	724.7	716.6
BT 150	722.4	716.5	200	721.1	716.4	300	720.3	716.2	
BT 350	720.6	716.2	359.4	720.7	716.1	359.5	721.6	716.1	
BT 367	721.6	716.1	375	721.5	713.7	379.7	721.5	711.8	
BT 379.8	721.5	717.9	400	721.3	717.7	420.2	721.2	717.6	
BT 420.3	721.2	710.5	429	721.1	711.9	436	721.1	716.2	
BT 440.4	721.1	716.2	440.5	720.2	716.2	450	720	716.2	
BT 500	719.7	716.3	600	718.4	716.4	700	718.6	716.6	

BT		736	718.7	716.6	800	719	717	900	719.5	717.6
BT		1000	719.6	718.2	1068	721.1	718.6			
*										
X1	105	17	251	300	49	43	45			
X3	10							720.3	718.4	
GR	718.6		716.6	50	716.6	251	714.6	254	712.6	265
GR	712.4	267	710.2	268	710.2	281	712.3	282	712.6	291
GR	714.6	300	716.6	679	718.6	795	718.6	845	716.6	847
GR	716.6	852	718.6	860						
*										
X1	106	13	275	320	265	330	297			
X3	10							720.3	718.4	
GR	718.6		716.6	53	714.6	275	712.6	279	712.3	282
GR	710.7	283	710.7	302	712.3	303	712.6	306	714.6	312
GR	716.6	320	716.6	785	718.6	1060				
*										
X1	106.3	21	273	327	40	40	40			
X3	10							720.9	720.7	
GR	718.6		718.1	100	717.5	200	717.3	250	717.2	273
GR	713.8	282	711.4	286	710.9	293	711.6	300	712.6	307
GR	714.1	314	715.7	327	715.7	350	715.9	400	716.1	500
GR	716.2	600	716.4	700	716.6	800	717.4	900	718.1	1000
GR	718.6	1067								
*										
RAILROAD BRIDGE										
SB	1.25	1.56	3.0		21	6	357	1.74		
X1	106.6				15	15	15			
X2			1	720.9	723					
X3	10							724.3	723	
BT	-15		725.6	718.6	100	725	718.1	200	724.5	717.5
BT		250	724.3	717.3	273	724.3	720.9	327	724.1	720.7
BT		350	724	715.7	400	723.8	715.9	500	723.4	716.1
BT		600	723.1	716.2	700	723	716.4	800	723	716.6
BT		900	723.2	717.4	1000	723.2	718.1	1067	723.2	718.6
*										
X1	107	17	100	133	15	15	15			
X3				75	720					
GR722.79			720.59	20	719.04	33.66	719.18	40	719.41	60
GR	718.5	80	715	100	712.8	101	712.5	104	710.9	105
GR	710.9	124	712.5	125	712.8	128	715	133	715	140
GR722.39		160	722	175.44						
NC	0.07	0.07	0.035							
*										
X1	109	22	144	188	50	30	40			
X3				116	720					
GR722.47			721.41	20	720.51	40	719.6	60	719	80
GR	719	100	719	107.84	719	120	716.08	140	715	144
GR	712.7	149	712.1	150	710.9	151	710.9	179	712.1	180
GR	712.7	183	715	188	715.96	193.72	715.74	200	717.19	220
GR	722	240	720.63	256.5						
*										
X1	110	20	160	211	63	23	43			
GR724.16			722.89	20	721.76	40	720.49	60	719.37	80
GR718.62		100	718.98	120	718.63	140	715	160	712.6	166
GR	712.1	169	710.9	170	710.9	196	712.1	197	712.6	206
GR	715	211	715	220	720.73	240	721.97	260	721.8	262.95
*										
X1	111	20	152	202	55	55	55			
GR724.46			722.94	20	721.66	40	720.43	60	719.26	80
GR	718	100	718	120	717.64	140	715	152	712.6	157
GR	712.1	160	710.9	161	710.9	193	712.1	194	712.6	197
GR	715	202	715	240	717.26	260	721.26	280	720.45	292.91
*										
X1	112	21	180	227	62	52	52			
GR725.79			723.24	20	721.39	40	720.53	60	719.63	80
GR718.22		100	717.84	120	717.47	140	717.1	160	715.76	180
GR	712.6	182	712.1	185	710.9	186	710.9	212	712.1	213
GR	712.6	222	715	227	715	260	716.83	280	720.84	300
GR720.72		306.61								
*										
X1	113	23	200	246	64	64	64			
GR	729		727.56	20	722.85	40	721.09	60	719.7	80
GR718.48		100	717.63	120	717.72	140	717.84	160	716.67	180
GR	715	200	712.7	201	712.2	204	710.9	205	710.9	231
GR	712.2	232	712.7	241	715	246	715	300	716.9	320
GR721.59		340	719.77	360	719.24	363.24				
NC			0.1	0.3						
*										
X1	114	25	237	287	144	144	144			
GR726.75			726.57	20	726.47	40	726.39	60	725.61	80
GR721.81		100	718.8	120	717.61	140	716.98	160	716.66	180
GR716.35		200	716.03	220	715	237	712.7	242	712.2	245
GR	711	246	711	272	712.2	273	712.7	282	715	287
GR	715	380	715.04	400	715.87	420	717.71	440	717.68	446.24
*										
X1	115	30	233	280	135	135	135			
GR729.91			724.98	20	724.78	40	724.96	60	725	80
GR	723.5	100	720.2	120	717.3	140	716.75	160	716.34	180
GR715.85		200	715.12	220	715	233	712.7	238	712.2	241

GR 711.1	242	711.1	268	712.2	269	712.7	278	715	280
GR 715	300	715	320	715	340	715	360	715.09	380
GR715.27	400	715.55	420	715.93	440	721.22	460	721.34	462.56
*									
X1 116	19	191	220	118	128	123			
GR 722.6		720.6	62	718.6	72	716.6	117	714.6	191
GR 712.6	195	712.1	198	711.1	199	711.1	210	712.2	211
GR 712.6	218	714.6	220	716.6	222	716.6	229	714.6	292
GR 714.6	335	716.6	440	718.6	449	720.6	452		
*									
X1 117	25	220	250	224	204	214			
GR729.86		728.19	20	726.52	40	724.86	60	723.19	80
GR719.18	100	717.72	120	716.87	140	716.55	160	716.24	180
GR715.53	200	715	220	712.7	223	712.2	226	711.2	227
GR 711.2	238	712.2	239	712.7	246	715	250	715	440
GR716.11	460	716.81	480	721.55	500	720.9	520	718.79	539.88
*									
X1 118	34	330	363	212	212	212			
GR725.75	100	725.16	120	724.78	140	724.47	160	724.14	180
GR719.88	200	718.1	220	717.19	240	716.93	260	716.74	280
GR716.62	300	715.82	320	715	330	712.7	335	712.2	338
GR 711.2	339	711.2	350	712.2	351	712.7	358	715	363
GR 716	380	715.2	400	715	420	715	500	715.18	520
GR715.69	540	716.15	560	716.55	580	716.95	600	717.44	620
GR717.98	640	722.49	660	722.88	680	722.76	684.89		
*									
X1 119	16	169	200	202	202	202			
GR 722.6		720.6	10	718.6	60	716.6	169	714.6	175
GR 712.6	181	712.3	183	711.3	184	711.3	194	712.2	195
GR 712.6	198	714.6	200	716.6	400	718.6	473	720.6	503
GR 722.6	508								
*									
X1 120	34	200	240	181	181	181			
GR728.02		726.42	20	722.24	40	719.84	60	718.45	80
GR717.54	100	716.76	120	716.04	140	715.59	160	715.24	180
GR 715	200	712.7	210	712.4	212	711.4	213	711.4	223
GR 712.3	224	712.7	227	715.15	240	715.4	260	715.65	280
GR 715.9	300	716.26	320	716.69	340	717.06	360	717.41	380
GR717.74	400	718.09	420	718.52	440	718.93	460	719.43	480
GR719.83	500	720.95	520	722.95	540	724.49	555		
*									
X1 121	37	260	300	200	200	200			
GR732.06		732.02	20	731.94	40	730.58	60	724.71	80
GR 720.4	100	719.04	120	718.04	140	717.54	160	717.06	180
GR716.44	200	715.88	220	715.43	240	715	260	712.8	267
GR 712.5	269	711.5	270	711.5	280	712.4	281	712.8	284
GR715.08	300	715.2	320	715.33	340	715.46	360	715.58	380
GR715.71	400	715.84	420	715.97	440	716.49	460	717.24	480
GR718.07	500	718.54	520	719.06	540	719.45	560	719.83	580
GR720.93	600	722.41	617.12						
*									
X1 122	21	193	231	230	212	221			
GR 722.6		720.6	35	718.6	65	716.6	125	716.6	193
GR 714.6	197	712.6	202	711.5	206	711.5	207	711.5	219
GR 711.5	220	712.6	225	714.6	227	716.6	231	716.6	242
GR 714.6	428	714.6	472	716.6	495	718.6	519	720.6	543
GR 722.6	551								
*									
X1 123	36	340	381.5	186	186	186			
GR734.32		728.53	20	725.97	40	724.16	60	722.58	80
GR721.74	100	720.95	120	720.27	140	719.2	160	718.08	180
GR 717.5	200	716.98	220	716.55	240	716.14	260	715.85	280
GR715.63	300	715.4	320	715.18	340	712.7	357	711.6	361
GR 711.6	362	711.6	374	711.6	375	712.7	380	715	381.5
GR716.97	400	716.12	420	716	440	716	560	716.17	580
GR717.04	600	717.75	620	719.34	640	724.13	660	727.94	680
GR 727.9	680.86								
*									
X1 124	26	300	340	213	213	213			
GR722.88		722.49	20	721.26	40	718.13	60	717.39	80
GR 717	100	716.8	120	716	140	716	300	712.8	306
GR 711.7	310	711.7	311	711.7	322	711.7	324	712.8	329
GR 716	340	716	460	716.53	480	717.63	500	718.32	520
GR719.03	540	721.93	560	727.33	580	728.36	600	729.79	620
GR731.39	624.92								
NC 0.16	0.16	0.035							
*									
X1 125	16	390	422	190	190	190			
GR 722.6		720.6	55	718.6	93	716.6	152	716.6	390
GR 714.6	396	714.2	403	711.8	404	711.8	407	714.2	408
GR 714.6	412	716.6	422	716.6	505	718.6	596	720.6	620
GR 722.6	627								
*									
X1 126	32	320	340	204	204	204			
GR717.94		717.74	20	717.54	40	717.33	60	717.15	80
GR 717	100	717	140	716.81	160	716.49	180	716.35	200
GR716.21	220	716.07	240	716	260	716	320	714.7	321
GR 714.3	328	711.9	329	711.9	332	714.3	333	714.7	337

GR 716	340	716	563.03	717.42	580	719.24	600	718.46	620
GR718.75	640	719.97	660	720.88	680	722.31	700	724.17	720
GR727.77	740	731.87	760						
*									
X1 127	37	625	634	197	197	197			
GR720.77		720.09	20	719.05	40	718.56	60	718.04	80
GR717.55	100	717.28	120	717.18	140	717.07	160	717	180
GR 717	220	716.96	240	716.84	260	716.73	280	716.63	300
GR716.51	320	716.4	340	716.29	360	716.18	380	716.07	400
GR 716	420	716	600	714.9	618	714.5	625	712.1	626
GR 712.1	629	714.5	630	714.9	634	716.28	640	718.55	660
GR 718	680	718	700	720.04	720	721.78	740	723.63	760
GR726.12	780	729.28	800						
*									
X1 128	14	942	965	202	202	202			
GR 720.6		718.6	112	716.6	357	716.6	650	714.6	879
GR 714.6	942	713	948	712.1	949	712.1	956	713	957
GR 714.6	965	716.6	1003	718.6	1052	720.6	1075		
*									
X1 129	35	480	503	285	285	285			
GR732.11		731.5	20	730.72	40	729.45	60	727.86	80
GR724.53	100	719.8	120	718.02	140	717.27	160	716.66	180
GR716.25	200	716	220	716.01	440	717	460	714.8	480
GR 713.2	486	712.3	487	712.3	494	713.2	495	714.8	503
GR719.78	520	719.01	540	719	560	720.17	580	720.67	600
GR721.22	620	721.92	640	722.65	660	723.41	680	724.1	700
GR 724.8	720	726.2	740	729.70	760	731.13	780	728	798.47
*									
X1 130	18	390	430	266	266	266			
GR 722.6		720.6	60	718.6	95	716.6	140	716.6	367
GR 718.6	371	718.6	376	716.6	380	714.6	390	713.5	400
GR 712.3	401	712.3	411	713.6	412	714.6	430	716.6	465
GR 718.6	550	720.6	612	722.6	693				
*									
X1 131	44	380	440	165	165	165			
GR734.71		734.17	20	732.92	40	732.23	60	730.95	80
GR726.71	100	723.45	120	722.22	140	721.5	160	721.56	180
GR721.67	200	721.84	220	722	240	721.66	260	721.37	280
GR720.47	300	717	320	717	360	716.1	380	714.7	392
GR 713.6	402	712.40	403	712.4	413	713.7	414	714.7	432
GR 717	440	717	580	717.12	600	717.44	620	717.99	640
GR 719	660	719.38	680	719.96	700	721.32	720	722.51	740
GR723.62	760	724.76	780	732.54	800	730.32	820	730	840
GR730.14	860	730.88	880	732.34	900	732.67	905.14		
*									
X1 132	36	380	440	298	250	274			
GR725.73	100	724.4	120	723.16	140	721.83	160	720.77	180
GR720.21	200	719.62	220	719.12	240	718	260	718	360
GR 716.9	380	714.8	392	713.7	402	712.5	403	712.5	413
GR 713.8	414	714.8	432	716.91	440	716.41	460	716.53	480
GR716.64	500	716.76	520	716.88	540	716.99	560	717	580
GR 717	640	717.11	660	717.73	680	718.29	700	718.71	720
GR719.15	740	719.8	760	720.46	780	721.27	800	722.31	820
GR724.13	840								
*									
X1 133	15	287	302	180	180	180			
GR 724.6		722.6	22	720.6	60	718.6	110	716.6	165
GR 714.6	260	714.3	287	712.6	288	712.6	301	714.3	302
GR 714.6	317	716.6	425	718.6	598	720.6	627	722.6	695
*									
X1 134	38	368	425	238	238	238			
GR724.73	80	722.97	100	721.67	120	721.02	140	720.33	160
GR719.19	180	717.36	200	716.73	220	716.36	240	716.04	260
GR 716	280	716	340	716.75	360	714.7	368	714.4	395
GR 712.7	396	712.7	409	714.4	410	714.7	425	717	440
GR717.01	460	717.07	480	717.13	500	717.18	520	717.24	540
GR 717.3	560	717.36	580	717.48	600	717.68	620	717.87	640
GR 718	660	718.5	680	720.55	700	721.65	720	722	740
GR 722	800	722.6	820	724.38	840				
*									
X1 135	19	438	452	302	302	302			
GR 724.6		722.6	17	720.6	67	718.6	91	716.6	157
GR 716.6	225	714.6	250	714.6	434	714.3	438	712.8	439
GR 712.8	451	714.3	452	714.6	461	716.6	625	716.6	660
GR 718.6	728	720.6	860	722.6	888	724.6	925		
NC			0.3	0.5					
*									
X1 136	57	480	520	298	298	298			
X3			110	725	750	725			
GR723.14		722.14	20	721.49	40	720.93	60	720.53	80
GR720.14	100	719.51	120	719.01	140	718.71	160	718.43	180
GR718.16	200	717.61	220	717	240	717	260	717.29	280
GR 717	300	716.9	320	716.78	340	716.65	360	716.53	380
GR 716.4	400	716.27	420	716.13	440	716	460	716	480
GR714.65	485	714.35	489	712.85	490	712.85	501	714.35	503
GR714.65	512	716	520	716.73	540	716.97	560	717	580
GR717.13	600	717.44	620	717.76	640	718.09	660	718.61	680
GR719.17	700	719.93	720	720.49	740	721.18	760	721.79	780

GR722.26	800	722.79	820	723.31	840	723.78	860	724.70	880
GR725.26	900	725.68	920	726.31	940	727.12	960	727.93	980
GR728.68	1000	730.06	1020						
*									
X1 137	18	405	418	249	249	249			
X3			177	725	587	725			
GR 724.6		722.6	2	720.6	7	718.6	52	716.6	153
GR 716.6	348	714.6	402	714.2	405	712.9	406	712.9	417
GR 714.2	418	714.6	433	714.6	443	716.6	457	718.6	565
GR 720.6	692	722.6	774	724.6	825				
NC 0.07	0.07	0.035							

X1 138	37	356	387	136	136	136			
X3			192	725	482	725			
GR 720		726.98	20	728	40	723.01	60	719.55	80
GR718.11	100	717	120	717	340	714.7	356	714.3	359
GR712.96	360	712.96	371	714.3	372	714.7	387	717.14	400
GR717.37	420	717.6	440	717.83	460	718.12	480	718.62	500
GR719.08	520	719.46	540	719.89	560	720	580	720.07	600
GR720.25	620	720.44	640	720.66	660	720.99	680	721.28	700
GR721.61	720	721.94	740	722.34	760	722.76	780	723.4	800
GR724.27	820	724.86	833.11						

X1 139	35	260	300	100	100	100			
X3			145	725	358	725			
GR 728		726.24	20	721.93	40	719.38	60	718.32	80
GR717.23	93.49	717	100	717	260	714.7	264	714.3	267
GR713.01	268	713.01	279	714.3	280	714.7	295	717	300
GR717.63	320	718.08	340	718.29	360	718.49	380	718.67	400
GR718.82	420	718.9	440	718.99	460	719	540	719.21	560
GR719.85	580	720	600	720.14	620	720.42	640	720.76	660
GR721.25	680	721.91	700	723.1	720	723.45	740	723.48	741.85

X1 140	47	229	280	56	76	66			
X3			124	725	319	725			
GR727.33		725.04	20	720.84	40	718.89	60	717.71	80
GR 717	100	717	229	714.74	239	714.34	242	713.04	243
GR713.04	254	714.34	255	714.74	270	717.09	280	717.92	300
GR718.09	320	718.18	340	718.27	360	718.36	380	718.45	400
GR718.54	420	718.63	440	718.72	460	718.82	480	718.91	500
GR719.01	520	719.29	540	719.57	560	719.85	580	720.24	600
GR720.74	620	721.48	640	722	660	722.03	680	722.38	700
GR722.69	720	722.83	740	722.98	760	723.38	780	723.73	800
GR 724	820	724	840	724.43	860	724.97	880	725.41	900
GR725.84	920	726.04	929.13						

X1 141	52	220	260	53	73	63			
X3			190	725	294	725			
GR726.52		723.16	20	720.19	40	717.67	60	717	80
GR717.01	200	717.39	220	714.8	224	714.4	227	713.07	228
GR713.07	239	714.4	240	714.8	255	717.77	260	718.01	280
GR718.11	300	718.2	320	718.3	340	718.39	360	718.48	380
GR718.57	400	718.66	420	718.75	440	718.84	460	718.94	480
GR719.18	500	719.49	520	719.83	540	720.23	560	720.67	580
GR721.16	600	721.67	620	722.14	640	722.51	660	722.88	680
GR723.21	700	723.54	720	723.86	740	724.38	760	725	780
GR725.04	800	725.25	820	725.46	840	725.67	860	725.91	880
GR726.27	900	726.72	920	727.12	940	727.49	960	727.85	980
GR728.24	1000	728.4	1007.67						

X1 142	14	585	627	51	71	61			
X3			566	725	642	725			
GR 722.6		720.6	5	718.6	40	716.6	225	714.6	585
GR 713.1	595	713.1	596	713.1	620	713.1	621	714.6	627
GR 716.6	988	718.6	1092	720.6	1345	722.6	1470		

X1 143	37	682.5	717.5	91	111	101			
X3 10							728.5	728.3	
GR 722.6	92	720.6	100	718.6	132	717.9	200	716.8	300
GR 716.6	317	716.5	400	716.5	500	716.4	600	716.4	650
GR 716.4	679.9	716.4	680	716.4	682.5	714.7	682.6	714.7	687.6
GR 713.7	687.7	713.8	694	713.5	700	713.2	706	713.7	712.2
GR 715.2	712.3	717.4	717.4	717.4	717.5	717.4	720	717.4	720.1
GR 717.5	750	717.6	800	717.9	900	718.1	1000	718.4	1100
GR 718.6	1185	718.7	1200	719.5	1300	720.3	1400	720.6	1437
GR 721.6	1500	722.6	1562						

* TWIN RAILROAD BRIDGE (piers not included in FIS HEC-2 model)

SB 0.9	1.56	3.0		30	3	402.4	0.2		
X1 144				23.5	23.5	23.5			
X2		1	725.5	728.3					
X3 10							728.5	728.3	
BT -30	92	732.7	722.6	100	730.6	720.6	132	730.4	718.6
BT	200	729.9	717.9	300	729.4	716.8	317	729.4	716.6
BT	400	729.1	716.5	500	728.8	716.5	600	728.6	716.4
BT	650	728.5	716.4	679.9	728.5	716.4	680	729.5	716.4
BT	682.5	729.5	716.4	682.6	729.5	725.5	717.4	729.5	725.5
BT	717.5	729.5	717.4	720	729.5	717.4	720.1	728.5	717.4
BT	750	728.4	717.5	800	728.3	717.6	900	728.3	717.9

BT	1000	728.3	718.1	1100	728.4	718.4	1185	728.6	718.6	
BT	1200	728.6	718.7	1300	729	719.5	1400	729.6	720.3	
BT	1437	729.8	720.6	1500	730.1	721.6	1562	730.4	722.6	
*										
X1	145	17	466	542	50	50	50			
X3	10						723.1	723.1		
GR	724.6	40	722.6	60	720.6	105	718.6	135	716.6	206
GR	714.6	354	713.5	466	712.2	487	712.2	513	714.2	536
GR	714.6	542	714.6	946	716.6	1168	718.6	1186	720.6	1525
GR	722.6	1668	724.6	1970						

* BROWN DEER ROAD (box culvert modeled as special bridge in FIS HEC-2 model)

SC	2.013	0.2	3.0	280	13	12.5	180.5	9.1		
X1	146.0				180.5	180.5	180.5			
X2			2	718.8	723.1					
X3	10						723.1	723.1		
*										
X1	147	17	425	502	60	75	60			
X3				391	725	665	725			
GR	724.6		722.6	20	720.6	64	718.6	95	716.6	165
GR	714.6	314	713.5	425	712.1	426	712.1	495	714.2	496
GR	714.6	502	714.6	905	716.6	1128	718.6	1245	720.6	1485
GR	722.6	1629	724.6	1930						

X1	147.5				290	295	290		0.05	
NC			0.1	0.3						
*										
X1	148	18	378	535	290	295	290			
GR	724.6		722.6	23	720.6	55	718.6	85	716.6	115
GR	714.6	155	713.4	378	712.2	379	712.2	534	713	535
GR	714.6	989	714.6	1097	716.6	1113	716.6	1178	718.6	1445
GR	720.6	1710	722.6	1875	724.6	1962				

X1	149	15	533	625	640	635	635			
GR	724.6		722.6	35	720.6	75	718.6	125	716.6	197
GR	714.6	225	713	533	712.3	534	712.3	624	713	625
GR	714.6	1221	714.6	1265	716.6	2010	718.6	2234	720.6	2322

EJ

* T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

* T2 MOSS AMERICAN RECHANNELING PROJECT

* T3 LITTLE MEMOMONEE Q2 DISCHARGE

* J1 2 -1 697

* J2 1 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q5 DISCHARGE

J1 3 -1 698.3

J2 2 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q10 DISCHARGE

J1 4 -1 699.85

J2 3 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q25 DISCHARGE

J1 5 -1 700.45

J2 4 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q50 DISCHARGE

J1 6 -1 701.25

J2 5 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q100 DISCHARGE

J1 7 -1 701.9

J2 6 -1

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q500 DISCHARGE

J1 8 -1 703.8

J2 7 -1

ER

 * HEC-2 WATER SURFACE PROFILES *
 * *
 * Version 4.6.2; May 1991 *
 * *
 * RUN DATE 30SEP93 TIME 09:20:33 *

 * U.S. ARMY CORPS OF ENGINEERS *
 * HYDROLOGIC ENGINEERING CENTER *
 * 609 SECOND STREET, SUITE D *
 * DAVIS, CALIFORNIA 95616-4687 *
 * (916) 756-1104 *

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X   X XXXXXXX XXXXX          XXXXX
X   X X      X   X          X   X
X   X X      X   X          X   X
XXXXXXX XXXX X           XXXXX XXXXX
X   X X      X   X          X
X   X X      X   X          X
X   X XXXXXXX XXXXX          XXXXXXX
  
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PAGE 1

THIS RUN EXECUTED 30SEP93 09:20:33

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS
 T2 MOSS AMERICAN RECHANNELING PROJECT
 T3 LITTLE MEMOMONEE Q2 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		2					-1		697	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

100	101	150								
38	1	13	14	15	55	26	56	58	53	
54										

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****
 -10 -10

NC	0.1	0.1	0.035							
	2yr	5yr	10yr	25yr	50yr	100yr	500yr			
QT	7	589	794	945	1160	1330	1510	1990		
X1	1.0	33	292.5	314.5	145	145	145			
X3				170		460				
GR	709.28		704.85	20	700.76	40	700	50	699.5	95
GR	700	145	700.6	170	700	260	698	277	696	292.5
GR	693.20	298.5	691.9	299.5	691.90	310.5	693.20	311.5	696	314.5
GR	698	360	698.82	380	699	400	699	460	698.86	480
GR	698.72	500	698.54	520	698.49	540	698.66	560	698.85	580
GR	698.72	600	698.37	620	699	640	699	720	699.19	740
GR	699.55	760	700.2	780	700	800				

NC				.3	.5					
X1	2.0	25	382	506	236	276	257			
X3				320		531				
GR	705.69		700.26	20	699.03	40	699	60	699	220
GR	699.4	240	699.35	260	699	280	699	300	699	320
GR	698.76	340	698.77	360	698.9	380	697	382	692.5	419

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PAGE 2

GR	692.5	469	697	506	699	740	699.41	760	700	895
GR	701	900	702	905	703	910	704	917	706	935
X1	3.0	16	28	152.1	90	90	90			
X3	10							707.25	708	

GR	707.25		707.58	14	706.8	20	704.09	28	700.7	28.1
GR	694.7	63	694.7	82.5	692.7	83.5	692.7	96.5	694.7	97.5
GR	694.7	117	700.7	152	704.09	152.1	706.92	160	707.18	180
GR	707.2	181.9								

NORTH LOVERS LANE (bridge not in FIS HEC-2 model)

SB	0.9	1.56	3.0		36	5	918.4	3.82		
X1	4.0				109	109	109			
X2			1	704.21	707.25					
X3	10							707.25	708	
BT	-16	0	707.25	707.25	14	707.58	707.58	20	707.9	706.8
BT		28	708.5	704.21	28.1	708.5	704.21	63	708.5	704.21
BT		82.5	708.5	704.21	83.5	708.5	704.21	96.5	708.5	704.21
BT		97.5	708.5	704.21	117	708.5	704.21	152	708.5	704.21
BT		152.1	708.5	704.21	160	708.12	706.92	180	708	707.18
BT		181.9	708	707.2						

X1	5.0	23	396.5	418.5	52	52	52			
X3				66		444				
GR	705		704	37	703	66	702	99	701	149
GR	700	225	699.45	279	699.39	299	699.29	319	699.04	339
GR	699	359	697	396.5	694.4	402.5	693.1	403.5	693.1	414.5
GR	694.4	415.5	697	418.5	699	439	700.39	459	701.39	479
GR	702	499	703	518	707	533				

NC				.1	.3					
X1	6.0	22	236.5	258.5	73	127	100			
X3				75		427				
GR	705.25		704.8	20	703.23	40	701.94	60	699.41	80
GR	699	100	697	236.5	694.6	242.5	693.3	243.5	693.3	254.5
GR	694.6	255.5	697	258.5	699	500	699.06	520	699.15	540
GR	699.29	560	699.83	580	701.49	600	703	620	703	640
GR	703	652	704	787						

X1	7.0	19	190.5	212.5	75	125	100			
X3						464				
GR	706.3		705.09	20	703.82	40	702.91	60	702.35	80
GR	701.61	100	699	120	697	190.5	694.8	196.5	693.5	197.5
GR	693.5	208.5	694.8	209.5	697	212.5	699	520	699.58	540
GR	701.78	560	702.97	580	703	589	704	724		

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X1	8.0	25	248.5	270.5	76	124	100			
X3						570				
GR	709.26		708.34	20	707.37	40	706.66	60	706.05	80
GR	704.38	100	702.78	120	701.55	140	700.53	160	699.91	180
GR	699.34	200	699	220	697	248.5	694.9	254.5	693.6	255.5
GR	693.6	266.5	694.9	267.5	697	270.5	699	560	699.25	580
GR	701.21	600	702.55	620	703	640	703	645	704	780

X1	9.0	23	178	205	73	122	98			
X3						529				
GR	706.22		705.3	20	702.85	40	701.18	60	700.34	80
GR	699.85	100	699.52	120	699.19	140	699	160	697	178
GR	694.8	182	693.7	183	693.7	193	694.8	194	697	205
GR	699	460	699.36	480	701.08	500	702.01	520	702.49	540
GR	702.99	560	703	566	704	701				

X1	9.5	19	596	623	289	289	289			
GR	712.6		710.6	55	708.6	120	706.6	230	704.6	299
GR	702.6	314	700.6	340	698.6	402	696.6	596	695	600
GR	693.9	601	693.9	611	695	612	696.6	623	698.6	1040
GR	698.6	1155	700.6	1221	702.6	1354	708.4	1443		

X1	9.6	44	275	309	270	208	240			
GR	707.26		706.15	20	704.72	40	703.32	60	702.18	80
GR	701.74	100	701.44	120	701.11	140	700.79	160	700.52	180
GR	700.27	200	700.01	220	699.84	240	699.68	260	697.58	275
GR	695.05	280	694.05	281	694.05	293	695.05	294	697.45	309
GR	699	740	699.14	760	699.27	780	699.41	800	699.54	820
GR	699.67	840	699.36	860	699.39	880	700.25	900	701.12	920
GR	701.94	940	702.49	960	703	980	703.24	1000	703.52	1020
GR	703.59	1024.5	703.83	1040	704.36	1060	705.06	1080	705.88	1100
GR	706.8	1120	707.73	1140	708.21	1160	708.43	1180		

NC				.3	.5					
X1	10.0	20	756	782	299	216	255			

GR	710.6		708.6	28	706.6	70	704.6	122	702.6	206
GR	700.6	280	698.6	358	696.6	756	695.2	765	694.2	766
GR	694.2	781	695.2	782	696.6	800	696.6	895	698.6	1043
GR	700.6	1190	702.6	1307	702.6	1340	704.6	1400	710.6	1403

X1	10.5	33	652.5	685.5	199	262	237			
X3				354	698.8	829	699.7			
GR	703.54		703.16	20	702.44	40	701.6	60	700.97	80
GR	700.68	100	700.40	120	700.12	140	699.92	160	699.76	180
GR	699.6	200	699.44	220	699.27	240	699.11	260	699	280
GR	697	652.5	695.25	658.5	694.35	659.5	694.35	672.5	695.25	673.5
GR	697	685.5	699.00	840	700.77	860	701.67	880	702.51	900
GR	703.33	920	704.39	940	705.4	960	706.22	980	707.74	1000

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GR	709.22	1020	711.02	1040	713.27	1058.9				
X1	11	20	1016	1047	210	210	210			
X3				792	698.87	1127	699.77			
GR	707	237	706	273	705	305	704	348	703	423
GR	702	434	701	463	700	493	698.6	1016	696.6	1020
GR	695.3	1023	694.5	1024	694.5	1036	695.3	1037	696.6	1043
GR	698.6	1047	699	1111	700	1172	705	1272	707	1302

X1	11.5	43	686.5	717.5	252	252	252			
X3				572	698.92	762	699.82			
GR	704.64		703.76	20	703.07	40	702.3	60	701.94	80
GR	701.74	100	701.45	120	701.17	140	701	160	700.91	180
GR	700.7	200	700.3	220	700	240	700	260	699.86	280
GR	699.72	300	699.58	320	699.44	340	699.3	360	699.16	380
GR	699.02	400	698.6	420	698.6	686.5	695.8	692.5	694.7	693.5
GR	694.7	706.5	695.8	707.5	697	717.5	699	840	700.1	860
GR	700.18	860.9	701.41	880	702.21	900	703.04	920	704.05	940
GR	705.17	960	706.18	980	707.24	1000	708.56	1020	709.89	1040
GR	710.94	1060	712.48	1080	712.73	1082.9				

NC	0.1	0.1	0.035							
X1	12	22	1184	1224	249	249	249			
X3				1164	699.07	1229	699.97			
GR	712.6		710.6	67	708.6	213	706.6	394	704.6	555
GR	702.6	600	700.6	729	698.6	860	698.6	1184	696.6	1193
GR	695.4	1199	694.9	1200	694.9	1213	695.4	1214	696.6	1224
GR	698.6	1363	700.6	1423	702.6	1467	704.6	1507	706.6	1542
GR	708.6	1575	710.6	1607						

X1	13	23	625	673	76	56	66			
X3	10							699.1	700	
GR	705		704	50	703	100	702	125	701	160
GR	700	195	699	235	698.7	385	699	475	699.2	570
GR	699.5	625	695	642	694.96	643	694.96	655	695	656
GR	699.5	673	699	713	700	798	701	833	702	873
GR	703	913	704	928	705	943				

FOOT PATH BRIDGE - SHEET 20 - (bridge not in FIS HEC-2 model)

SB		1.56	3.0		14		140	3.78		
X1	13.5				6	6	6			
X2			1	699.5	699.1					
X3	10							699.1	700	
BT	-17	195	700	700	235	699.8	699	385	699.1	698.7
BT		475	699.4	699	570	699.8	699.2	625	700	699.5
BT		642	700	699.5	643	700	699.5	655	700	699.5
BT		656	700	699.5	673	700	699.5	713	700.3	699
BT		798	701.2	700	833	701.8	701	873	703	702
BT		913	703.7	703	928	704	704			

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X1	14	38	636	672	40	60	50			
X3				539	700.25	694	700.25			
GR	705.6		704.71	20	704.23	40	703.73	60	703.09	80
GR	702.52	100	701.89	120	701.1	140	699.88	160	699	180
GR	699	636	697.5	639.5	695.68	644.5	694.98	645.5	694.98	660.5
GR	695.68	661.5	697.5	668.5	699.06	672	699.09	680	699.23	700
GR	699.31	720	699.18	740	699.47	760	700.6	780	701.13	800
GR	701.43	820	701.99	840	702.34	860	702.69	880	703.08	900
GR	703.76	920	704.75	940	705.88	960	706.85	980	708.16	1000
GR	709.39	1020	710.37	1040	710.93	1051.5				

X1	14.5	31	619	647	198	194	196			
GR	705.93		704.99	20	703.16	40	702.74	60	702.52	80
GR	701.27	100	699.5	120	699	140	699	580	699.21	600
GR	699.26	619	695.6	624	695.1	625	695.1	641	695.6	642
GR	699.34	647	700	660	700	672	699.5	680	699.5	740
GR	700	750	700.34	760	701.11	780	701.51	800	701.9	820
GR	702.59	840	703.25	860	704.15	880	705.07	900	705.83	920
GR	706.39	934.6								

NC			.1	.3						
X1	15	30	1457	1485	169	169	169			
GR	712.6		710.6	222	708.6	480	708.6	513	710.6	624
GR	710.6	641	708.6	752	706.6	788	704.6	833	702.6	908
GR	700.6	1004	698.6	1108	698.6	1457	696.6	1460	695.5	1462
GR	695.2	1463	695.2	1480	695.5	1481	698.6	1485	700.6	1487
GR	700.6	1509	698.6	1518	698.6	1560	700.6	1608	702.6	1664
GR	704.6	1732	706.6	1770	708.6	1825	710.6	1854	712.6	1887

X1	15.5	41	663.5	692.5	247	247	247			
GR	705		704	40	703	110	702.5	160	702.28	180
GR	702.06	200	701.64	220	701.15	240	700.45	260	699.77	280
GR	699.24	300	699	320	699	600	699.04	620	699.14	640
GR	699.23	660	699.17	663.5	695.6	670.5	695.35	671.5	695.35	686.5
GR	695.6	687.5	699.27	692.5	699.65	700	700.1	720	700.42	740
GR	700.63	760	701.5	774.1	701.9	780	702.1	800	702.5	820
GR	702.9	840	703.4	860	704.5	880	705.07	900	706.01	920
GR	706.89	940	708.83	960	711.37	980	714.34	1000	716.12	1020
GR	716.84	1030								

NC	.1	0.1	0.055							
X1	16	32	1519	1566	200	274	236			
GR	712.6		710.6	150	710.6	222	708.6	475	708.6	672
GR	706.6	772	704.6	903	702.6	989	700.6	1121	698.6	1380
GR	700.6	1497	700.6	1519	698.6	1523	696.6	1526	695.7	1531
GR	695.5	1532	695.5	1545	695.6	1546	696.6	1549	698.6	1552
GR	700.6	1566	700.6	1586	698.6	1597	698.6	1628	700.6	1650
GR	702.6	1695	704.6	1777	706.6	1815	708.6	1874	710.6	1951
GR	710.6	2045	712.6	2120						

X1	16.5	49	603	643	222	281	252			
GR	705		704	90	703.71	110	703.39	130	703.03	150
GR	703	170	702.53	190	701.86	210	701.52	230	701.18	250
GR	701	270	701	530	700.78	550	700.81	570	700.84	590
GR	699.97	603	697.7	607	695.75	615	695.6	616	695.6	628
GR	695.75	629	698.11	637	700.2	643	700.3	650	700.32	670
GR	700.12	690	700.45	710	700.62	730	700.72	750	701	770
GR	701	830	701.18	850	701.44	870	701.69	890	701.94	910
GR	702.42	930	702.98	950	703.77	970	704.70	990	705.52	1010
GR	706.5	1030	707.81	1050	709.04	1070	710.2	1090	711.52	1110
GR	712.92	1130	715	1150	718.61	1170	719.33	1173		

X1	17	23	1426	1450	250	240	245			
GR	712.6		710.6	128	710.6	370	708.6	497	706.6	672
GR	704.6	944	702.6	1141	700.6	1285	698.6	1386	698.6	1426
GR	696.6	1431	695.8	1433	695.7	1434	695.7	1445	695.8	1446
GR	696.6	1450	700.6	1460	700.6	1783	702.6	1878	704.6	1975
GR	706.6	2026	708.6	2052	712.6	2101				

X1	17.5	52	689	720	256	256	256			
GR	710.57		709.72	20	708.9	40	708.07	60	707.15	80
GR	705.97	100	705.21	120	704.7	140	704.25	160	703.8	180
GR	703.32	200	702.78	220	702.24	240	701.73	260	701.32	280
GR	701	300	701	660	700.38	680	698.3	689	695.85	697
GR	695.8	698	695.8	710	695.85	711	698.07	720	698.29	740
GR	699.61	760	700.94	780	701	800	701	820	701.05	840
GR	701.18	860	701.26	880	701.3	900	701.41	920	701.43	922.6
GR	701.55	940	701.68	960	701.82	980	701.96	1000	702.33	1020
GR	702.77	1040	703.23	1060	703.67	1080	704.11	1100	704.42	1120
GR	704.49	1124.3	704.73	1140	705.08	1160	706.17	1180	706.87	1200
GR	707	1220	707	1227.6						

NC	0.1	0.08	0.035	0.3	0.5					
X1	18	29	1190	1222	249	249	249			
X3					1711	710				
GR	710.6		708.6	160	706.6	170	706.6	274	706.6	285
GR	706.6	307	706.6	378	704.6	786	702.6	906	702.6	1182

GR	700.6	1188	698.6	1190	696.6	1193	695.9	1198	695.9	1199
GR	695.9	1213	695.9	1214	696.6	1219	698.6	1222	700.6	1228
GR	700.6	1240	698.6	1256	698.6	1272	700.6	1628	702.6	1757
GR	704.6	1838	706.6	1898	708.6	1965	710.6	2000		

X1	19	63	469	501	312	286	300			
X3						947	710			
GR	708.04		707.84	20	707.67	40	707.49	60	707.3	80
GR	707.11	100	706.71	120	705.97	140	705.29	160	704.77	180
GR	704.16	200	703.72	220	703.26	240	702.82	260	702.4	280
GR	702.03	300	701.67	320	701.32	340	700.98	360	700.78	380

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GR	700.58	400	700.39	420	700.19	440	700	460	698	469
GR	696.17	477	696.17	478	696.17	492	696.17	493	698	501
GR	700	540	700.23	560	700.29	580	700.38	600	700.48	620
GR	700.58	640	700.67	660	700.77	680	700.87	700	700.96	720
GR	701	740	701	840	701.01	860	701.33	880	701.63	900
GR	701.93	920	702.2	940	702.45	960	702.7	980	702.96	1000
GR	703.19	1020	703.47	1040	703.74	1060	704	1080	704.04	1100
GR	704.5	1120	705.06	1140	705.37	1160	705.69	1180	706.02	1200
GR	706.58	1220	707.44	1240	707.34	1255.7				

X1	19.5	53	335	367	270	237	253			
X3						739	710			
GR	707.12		706.52	20	705.81	40	705.47	60	705.14	80
GR	704.84	100	704.17	120	703.3	140	702.76	160	702.43	180
GR	702.12	200	701.82	220	701.51	240	701.19	260	700.81	280
GR	700.36	300	700	320	700	335	696.4	343	696.4	344
GR	696.4	358	696.4	359	700	367	700	520	700.11	540
GR	700.25	560	700.39	580	700.53	600	700.66	620	700.78	640
GR	700.9	660	701.01	680	701.12	700	701.23	720	701.34	740
GR	701.45	760	701.57	780	701.69	800	701.81	820	701.92	840
GR	702.1	860	702.38	880	702.67	900	702.96	920	703.28	940
GR	703.62	960	703.96	980	704.83	1000	705.25	1020	705.61	1040
GR	705.99	1060	712.02	1080	712.06	1083.8				

X1	20	51	335	367	285	234	260			
X3						651	710			
GR	707.83		706.93	20	706.63	40	706.34	60	706.04	80
GR	705.74	100	705.45	120	705.32	140	703.73	160	701.91	180
GR	701.66	200	701.4	220	701.18	240	700.97	260	700.7	280
GR	700.37	300	700.04	320	700.01	335	696.64	343	696.64	344
GR	696.64	358	696.64	359	700	367	700	440	700.06	460
GR	700.13	480	700.2	500	700.27	520	700.32	540	700.39	560
GR	700.51	580	700.63	600	700.76	620	700.88	640	701	660
GR	701	680	701.23	700	701.46	720	701.69	740	701.83	760
GR	701.92	780	702	800	702	840	702.45	860	702.8	880
GR	703.38	900	704.64	920	705.98	940	706.14	960	706.05	980
GR	709.7	998.8								

X1	21	51	305	337	104	92	98			
X3						562	710			
GR	707.35		706.9	20	706.75	40	706.59	60	706.44	80
GR	706.29	100	706.14	120	705.93	140	703.93	160	701.95	180
GR	701.59	200	701.23	220	700.83	240	700.52	260	700.24	280
GR	700	300	700	305	696.73	313	696.73	314	696.73	328
GR	696.73	329	700	337	700	340	700.09	360	700.17	380
GR	700.24	400	700.3	420	700.37	440	700.43	460	700.50	480
GR	700.56	500	700.62	520	700.68	540	700.73	560	700.79	580
GR	700.85	600	700.97	620	701.05	640	701.37	660	701.69	680
GR	702	700	702.14	720	702.29	740	702.43	760	702.58	780
GR	702.83	800	703.25	820	703.63	840	704.17	860	706.55	880
GR	710.13	898.4								

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X1	22	44	251	283	108	89	98			
X3						456	710			
GR	707.21		706.83	20	706.63	40	706.44	60	706.25	80
GR	706.06	100	704.96	120	703.75	140	702.54	160	701.28	180
GR	700.75	200	700.4	220	700.05	240	700.02	251	696.82	259
GR	696.82	260	696.82	274	696.82	275	700.1	283	700.04	300
GR	700.23	320	700.42	340	700.62	360	700.7	380	700.72	400
GR	700.75	420	700.81	440	700.87	460	700.92	480	700.97	500
GR	701	520	701.16	540	701.28	560	701.44	580	701.59	600
GR	701.82	620	702.47	640	702.37	660	702.68	680	702.89	700
GR	703	720	704.45	740	707.32	760	710.03	770.7		

X1	23	46	254	278	108	88	98			
X3						387	710			
GR	707		706.9	20	706.73	40	706.57	60	706.41	80
GR	706.25	100	706.09	120	705.63	140	704.42	160	702.75	180
GR	701.53	200	700.65	220	700	240	700	254	696.9	262
GR	696.9	263	696.9	277	700	278	700	286	700	300
GR	700.59	320	701.61	340	701.75	360	701.88	380	701.97	400
GR	702.22	420	702.52	440	702.7	460	703	480	701.94	500
GR	701.87	520	701.89	540	701.95	560	702.42	580	704.42	600
GR	706.61	620	708.74	640	709.36	650.3	710	660	710	680
GR	710.04	700	710.44	720	710.71	740	710.98	760	711	780
GR	711	794.7								

NC				.3	.5					
X1	24.0	14	1138	1262	100	110	105			
X3	10							707.8	707.8	
GR	710.6		707.8	370	707.8	1138	700.5	1138.1	697.7	1175
GR	697.2	1193	697	1194	697	1206	697.2	1207	697.2	1225
GR	700.5	1261.9	707.8	1262	707.8	1830	710.6	2000		

WEST SILVER SPRING DRIVE - (rebuilt since FIS HEC-2 model)

SB	0.9	1.56	3.0		78	5	758.2	3.07		
X1	25				112.5	112.5	112.5			
X2			1	704.5	707.8					
X3	10							707.8	707.8	
BT	-6	1138	707.8	707.8	1138.1	707.8	704.5	1175	707.8	704.5
BT		1225	707.8	704.5	1261.9	707.8	704.5	1262	707.8	707.8

NC	0.1	0.1	0.035							
X1	26.0	20	538	566	59	66	62			
X3				472	710	627	710			
GR	710.6		708.6	43	706.6	71	704.6	129	702.6	229
GR	700.6	387	700.6	535	698.6	538	697.1	541	697	542
GR	697	558	697.1	559	698.6	566	700.6	679	702.6	1113
GR	704.6	1191	706.6	1262	708.6	1331	708.6	1410	710.6	1416

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X1	27	53	508.5	535.5	86	113	100			
X3				286	710	651	710			
GR	713.37		709.68	20	707.54	40	705.83	60	705.05	80
GR	704.38	100	703.19	120	703	140	702.61	160	702.89	180
GR	701.56	200	701	220	701	320	700.89	340	700.78	360
GR	700.66	380	700.54	400	700.42	420	700.3	440	700.19	460
GR	700.13	480	700	500	700	508.5	697.12	511.5	697.02	512.5
GR	697.02	527.5	697.12	528.5	700.06	535.5	700.08	540	700.82	560
GR	701.14	580	701.41	600	701.68	620	701.94	640	702.11	660
GR	702.26	680	702.46	700	702.7	720	702.93	740	703.19	760
GR	703.47	780	703.75	800	704.02	820	704.24	840	704.46	860
GR	704.6	880	704.82	900	705.13	920	705.47	940	705.67	960
GR	705.81	980	705.97	1000	706.18	1011				

X1	28	43	471	497	85	116	101			
X3				167	710	699	710			
GR	708.51		706.42	20	705.67	40	704.79	60	704.24	80
GR	702.59	100	701.27	120	701	140	701	280	700.98	300
GR	700.86	320	700.74	340	700.63	360	700.51	380	700.39	400
GR	700.27	420	700.15	440	700.02	460	700	471	697.14	475
GR	697.04	476	697.04	490	697.14	491	700	497	700	500
GR	700.28	520	700.48	540	700.58	560	700.71	580	700.84	600
GR	700.99	620	701.51	640	701.95	660	702.38	680	702.86	700
GR	703.46	720	704.06	740	704.42	760	704.79	780	705.22	800
GR	705.76	820	706.22	840	706.3	843.8				

X1	29	52	488.5	514.5	92	110	101			
GR	714.02		707.95	20	705.89	40	705.62	60	705.34	80
GR	705.07	100	703.04	120	701.23	140	701	160	701	320
GR	700.97	340	700.84	360	700.7	380	700.55	400	700.41	420
GR	700.26	440	700.12	460	700	480	700	488.5	697.16	493.5
GR	697.06	494.5	697.06	507.5	697.16	508.5	700	514.5	700	520
GR	700.12	540	700.26	560	700.4	580	700.54	600	700.68	620
GR	700.82	640	700.96	660	701.04	680	701.63	700	702.28	720
GR	703.19	740	704.07	760	704.38	780	704.66	800	704.87	820
GR	705.38	840	706	860	706.16	880	706.73	900	707.02	920
GR	707.31	940	707.63	960	707.95	980	708.43	1000	708.88	1020
GR	709.39	1040	709.61	1048						

X1	30	41	494	519	87	114	100			
X3						820	710			

GR	714.24		706.35	20	705.94	40	705.25	60	705.1	80
GR	704.83	100	704.14	120	701	140	701	340	700.97	360
GR	700.82	380	700.67	400	700.5	420	700.33	440	700.16	460
GR	700	480	700	494	697.18	500	697.08	501	697.08	513
GR	697.18	514	700	519	700	520	700.04	540	700.16	560
GR	700.28	580	700.4	600	700.52	620	700.64	640	700.76	660
GR	700.86	680	700.97	700	701.24	720	701.54	740	701.83	760
GR	702.19	780	703.17	800	704.07	820	704.82	840	705.64	860
GR	705.84	864.7								

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X1	31	26	827	850	89	111	100			
X3						1153	710			
GR	710	345	706	357	705	402	704	411	703	452
GR	702	475	701	495	700.6	543	701	600	701	764
GR	700.6	827	698.6	830	697.2	833	697.1	834	697.1	844
GR	697.2	845	698.6	848	700.6	850	700.6	1050	701	1055
GR	702	1093	703	1128	704	1140	705	1151	707	1213
GR	710	1265								

X1	31.5	39	497	523	138	171	155			
X3						835	710			
GR	720		713.62	20	709.4	40	705	60	705	80
GR	705	100	704.58	120	703.95	140	703	160	702.35	180
GR	701.7	200	701	220	701	460	700.46	480	700.07	497
GR	697.25	503	697.1	504	697.1	516	697.25	517	700.01	523
GR	700.05	540	700.18	560	700.3	580	700.43	600	700.54	620
GR	700.67	640	700.8	660	700.88	680	700.96	700	701	720
GR	701	740	701	760	701	780	701	800	701.71	820
GR	702.65	840	703.73	860	704.74	880	705.21	888.8		

X1	32.0	24	519	547	139	172	156			
X3						851	710			
GR	710.6		708.6	63	706.6	130	704.6	203	702.6	298
GR	700.6	453	700.6	519	698.6	521	697.3	525	697.1	526
GR	697.1	540	697.3	541	698.6	544	700.6	547	704.6	552
GR	704.6	560	702.6	569	700.6	583	700.6	928	702.6	946
GR	704.6	1022	706.6	1080	708.6	1117	710.6	1165		

X1	33.0	35	398.5	429.5	231	150	190			
X3						650	710			
GR	717.5	0	713.13	20	707.93	40	706.54	60	705.1	80
GR	704.51	100	704.02	120	703.78	140	703.11	160	702.43	180
GR	701.92	200	701.66	220	701.43	240	701.17	260	701	280
GR	701	360	700.70	380	700.28	398.5	697.33	406.5	697.15	407.5
GR	697.15	420.5	697.33	421.5	700.41	429.5	700.58	460	700.66	480
GR	700.74	500	700.92	520	701	540	701	685	701.12	705
GR	701.70	725	702	745	702.33	765	702.88	785	703.65	801.5

X1	33.5	33	363.5	397.5	194	270	228			
X3						518	710			
GR	717.92		717.58	20	715.82	40	711.86	60	707.78	80
GR	706.45	100	705.71	120	705.15	140	704.44	160	703.43	180
GR	701.87	200	701.51	220	701	240	701	340	700.43	360
GR	700.45	363.5	697.37	374.5	697.21	375.5	697.21	386.5	697.37	387.5
GR	700.91	397.5	700.96	400	701	420	701	440	701	460
GR	701	480	701	500	701	520	701.22	540	702	560
GR	702.45	580	708.95	600	711.91	605.4				

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X1	34	30	262	299	160	160	160			
X3						359	710			
GR	715.31		713.85	20	710.85	40	706.1	60	704.38	80
GR	702.4	100	702	120	701.89	140	701.74	160	701.59	180
GR	701.52	200	701.51	203.6	701.42	220	700.26	240	700.51	260
GR	700.46	262	697.39	275	697.25	276	697.25	286	697.39	287
GR	700.39	299	700.41	300	700.5	303	700.95	320	701.38	340
GR	701.57	360	701.76	380	701.96	400	709.07	420	710.3	422.5

X1	35	24	219	259	114	86	100			
X3						294	710			
GR	714.98		710.06	20	706.26	40	704.89	60	704.4	80
GR	703.27	100	701.98	120	701.8	140	701.63	160	701.46	180
GR	701.02	200	700.46	219	697.4	235	697.28	236	697.28	244
GR	697.4	245	700.85	259	700.89	260	701.31	267.4	701.88	280

GR	702.5	300	703.12	320	709.63	340	712.68	346		
NC	0.08	0.08	0.035							
X1	36	21	495	538	110	82	96			
X3				459	710	535	710			
GR	710.6		708.6	67	706.6	175	704.6	223	702.6	430
GR	700.6	470	700.6	495	698.6	505	697.4	513	697.3	514
GR	697.3	521	697.4	522	698.6	530	700.6	538	702.6	547
GR	702.6	1120	704.6	1210	704.6	1330	706.6	1433	708.6	1500
GR	710.6	1662								

X1	37.0	18	584	616	46	52	49			
X3	10							721.6	721.6	
GR	710.6	82	708.6	149	706.6	257	704.6	305	702.6	512
GR	700.6	552	700.6	577	697.8	584	697.4	600	697.8	616
GR	700.6	620	702.6	629	702.6	1202	704.6	1292	704.6	1412
GR	706.6	1515	708.6	1582	710.6	1744				

RAILROAD BRIDGE

SB		1.56	3.0	1744	22		652.2	0.20		
X1	38.0				39	39	39			
X2			1	721.6	729.1					
X3	10							729.1	729.1	

X1	39.0	23	582	655	60	58	59			
X3				576	710	661	710			
GR	714.6		714.6	10	712.6	19	710.6	23	708.6	70
GR	706.6	135	704.6	223	702.6	447	702.6	582	700.6	597
GR	698.6	603	697.5	615	697.3	616	697.3	631	697.5	632
GR	698.6	641	700.6	655	702.6	1052	704.6	1225	706.6	1362
GR	708.6	1425	710.6	1460	712.6	1505				

FOOT PATH BRIDGE (bridge not in FIS HEC-2 model)

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X1	39.3	32	597	639	32	62	47			
X3				564	710	672	710			
GR	714.6		714.6	10	712.6	19	710.6	23	708.6	70
GR	706.6	135	704.6	223	702.6	447	702.6	582	700.6	597
GR	700.6	597.1	698.6	603	697.5	609	697.3	610	697.3	625
GR	697.5	626	698.6	635	700.6	639	700.6	639.1	701	643
GR	702	647	703	651	703	686	702.5	721	703	761
GR	704	926	705	976	706	1021	707	1066	708	1081
GR	709	1096	710	1111						

SB		1.56	3.0		34		290.4	0.53		
X1	39.6				8	8	8			
X2			1	704.9	702.6					
X3				559	710	677	710			
BT	-16	447	702.6	702.6	582	705.12	702.6	597	705.4	700.6
BT		597.1	705.4	704.9	603	705.4	704.9	609	705.4	704.9
BT		610	705.4	704.9	625	705.4	704.9	626	705.4	704.9
BT		635	705.4	704.9	639	705.4	704.9	639.1	705.4	700.6
BT		643	704.6	701	647	703.8	702	651	703.7	703
BT		686	703	703						

X1	40	44	386.5	419.5	210	220	215			
X3				273	710	533	710			
GR	705.85		704.8	20	704.44	40	703.84	60	703.46	80
GR	702.96	100	702.55	120	702.34	140	702.13	160	702	180
GR	702	260	701.95	280	701.8	300	701.7	314.5	701.69	320
GR	701.8	340	702.33	360	703.68	380	702.57	386.5	697.49	400.5
GR	697.36	401.5	697.36	410.5	697.49	411.5	701.62	419.5	703.35	440
GR	703.42	460	703.23	480	703.04	500	703	520	703	540
GR	703.07	560	703.25	580	703.44	599.7	703.44	600	703.63	620
GR	703.83	640	704.06	660	704.92	680	705.84	700	706.37	720
GR	706.9	740	707	760	707	780	707.08	797.4		

X1	40.5	23	373	422	166	187	182			
X3				333	710	463	710			
GR	712.6		710.6	4	708.6	15	706.6	50	704.6	110
GR	702.6	352	702.6	373	700.6	378	698.6	380	697.5	385
GR	697.4	386	697.4	396	697.5	397	698.6	400	700.6	403
GR	702.6	413	704.6	422	704.6	628	706.6	758	708.6	811
GR	710.6	824	710.6	957	712.6	1000				

NC				.3	.5					
QT	7	565	771	923	1130	1300	1480	1950		
X1	41.0	13	19.1	138.9	104	107	105			

X3	10						710.5	709.3	
GR	710.5		710.4	8.6	710.4	8.7	705.2	705.2	23.1
GR	697.7	40	697.6	80	697.7	120	704.5	704.5	138.9
GR	709.3	148.8	709.3	148.9	709.2	160			

WEST APPLETON AVENUE

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SB	1.05	1.56	3.0		80	5	1049.6	2	
X1	42.0				91	91	91		
X2			1	708	709.3				
X3	10							710.5	709.3
BT	-8		710.6	710.5	8.6	710.5	710.4	8.7	713.5
BT		19.1	713.4	708	138.9	712.4	707.2	148.8	712.4
BT		148.9	709.4	709.3	160	709.3	709.2		709.3

X1	43.0	43	425.5	464.5	89	115	94		
X3				355	710	575	710		
GR	709.86		709.13	20	708.48	40	707.79	60	707.1
GR	706.54	100	706.02	120	705.48	140	704.96	160	704.51
GR	704.04	200	703.92	220	703.75	240	703.58	260	703.41
GR	703.24	300	703.01	320	703	340	703	400	702.76
GR	702.28	425.5	697.94	436.5	697.64	437.5	697.64	450.5	697.94
GR	701.21	464.5	701.96	480	702.55	500	703.13	520	703.7
GR	704.14	560	704.44	580	704.55	587.3	704.75	600	705.08
GR	705.33	640	705.59	660	705.85	680	706.1	700	706.27
GR	706.38	735	707	780	708	855			720

X1	44	43	437.5	476.5	76	54	62		
X3				317	710	637	710		
GR	711.67		710.64	20	710.06	40	709.35	60	708.42
GR	707.59	100	706.86	120	706.31	140	705.45	160	704.6
GR	704	200	703.88	220	703.76	240	703.66	260	703.56
GR	703.45	300	703.34	320	703.23	340	703.12	360	703.01
GR	702.86	400	702.48	420	702.11	437.5	697.97	448.5	697.67
GR	697.67	462.5	697.97	463.5	702.14	476.5	702.45	480	703
GR	703.07	520	703.27	540	703.75	560	704.35	580	704.36
GR	704.8	600	705.17	620	705.43	640	705.7	660	705.96
GR	706.38	725	707	780	708	845			680

NC	0.1	0.1	0.035						
X1	45	21	441	489	57	57	57		
X3				283	710	705	710		
GR	712.6		710.6	52	708.6	84	706.6	147	704.6
GR	702.6	441	700.6	445	698.6	449	698.0	452	697.7
GR	697.7	466	698	467	698.6	472	700.6	477	702.6
GR	704.6	489	704.6	569	706.6	625	708.6	777	710.6
GR	712.6	1283							1157

X1	46	50	470.5	509.5	132	117	123		
GR	714.99		713.95	20	712.9	40	711.72	60	710.67
GR	709.66	100	708.85	120	708.05	140	707.28	160	706.67
GR	706.1	200	705.45	220	704.72	240	704.03	260	704.09
GR	704.26	300	704.37	320	704.47	340	704.57	360	704.67
GR	704.77	400	706	420	704.52	440	702.7	460	702.45
GR	698.05	481.5	697.85	482.5	697.85	495.5	698.05	496.5	702.97
GR	703.37	520	703	540	703	560	703	580	703.49

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GR	704.08	620	704.5	640	704.91	660	705.22	680	705.49	700
GR	705.51	701.3	705.76	720	706	740	706.1	760	706.3	780
GR	706.51	800	706.72	820	706.98	840	707.36	860	707.68	877.5

NC				0.1	0.3					
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X1	46.5	43	407.5	448.5	187	187	187		
GR	712.14		710.55	20	709.4	40	708.52	60	707.69
GR	706.85	100	705.86	120	705.12	140	705.04	160	705
GR	704.7	200	704.12	220	704	240	704	260	704.17
GR	704.49	300	704.83	320	705.26	340	707.8	360	707.27
GR	703.96	400	703.33	407.5	698.27	419.5	698.07	420.5	698.07
GR	698.27	434.5	703.1	448.5	704	460	704	600	704.44
GR	704.91	640	705	660	705	680	703.78	700	703.98
GR	704.29	740	704.57	760	704.42	780	704.19	800	705.85
GR	706.37	840	706.6	860	706.64	864			820

X1	47	24	410	452	192	192	192		
GR	712.6		710.6	42	708.6	75	706.6	124	704.6
GR	702.6	410	700.6	413	698.6	418	698.4	422	698.3

GR	698.3	436	698.4	437	698.6	444	700.6	447	702.6	452
GR	704.6	457	704.6	468	702.6	500	702.6	582	704.6	880
GR	706.6	1048	708.6	1146	710.6	1211	712.6	1240		
X1	47.5	47	373	416	244	244	244			
GR	710.73		710.15	20	709.64	40	709.17	60	708.7	80
GR	708.27	100	707.7	120	706.85	140	705.67	160	705	180
GR	705	200	704.92	220	704.81	240	704.69	260	704.57	280
GR	704.45	300	704.33	320	704.21	340	704.09	360	704.36	373
GR	699.5	385	698.65	386	698.65	408	699.5	409	702.45	416
GR	702.55	420	703	440	703.02	460	703.12	480	703.22	500
GR	703.32	520	703.41	540	703.51	560	703.61	580	703.73	600
GR	703.87	620	704.01	640	704.2	660	704.4	680	704.6	700
GR	704.79	720	704.99	740	705.46	760	706.05	780	707.05	800
GR	707.32	820	707.42	838.8						
X1	48	21	383	428	256	256	256			
GR	712.6		710.6	70	708.6	157	706.6	260	704.6	347
GR	702.6	383	700.6	396	699	400	699.0	403	699.0	404
GR	699.0	418	699	419	699	422	700.6	425	702.6	428
GR	704.6	440	704.6	755	706.6	900	708.6	1075	710.6	1145
GR	712.6	1237								
X1	48.5	51	352.5	392.5	251	251	251			
GR	709.53		708.66	20	707.87	40	707.33	60	706.78	80
GR	706.23	100	705.84	120	705.66	140	705.49	160	705.31	180
GR	705.13	200	704.85	220	704.29	240	703.36	260	704	280
GR	704	300	703.92	320	703.46	340	702.99	352.5	700.20	366.5
GR	699.35	367.5	699.35	382.5	700.2	383.5	702.24	392.5	702.13	400
GR	702.28	420	702.68	440	703.63	460	704.03	480	704.15	500
1	30SEP93	09:20:33								PAGE 15
GR	704.27	520	704.4	540	704.52	560	704.64	580	704.76	600
GR	704.88	620	705.08	640	705.26	660	705.47	680	705.67	700
GR	705.88	720	706	740	706.13	760	706.37	780	706.61	800
GR	706.71	820	706.69	840	706.99	860	707	880	707.05	900
GR	707.44	917.3								
X1	49	18	363	403	247	247	247			
GR	712.6		710.6	80	708.6	110	706.6	170	704.6	363
GR	700.6	371	699.8	377	699.7	378	699.7	388	699.8	389
GR	700.6	396	702.6	400	704.6	403	704.6	623	706.6	873
GR	708.6	961	710.6	1143	712.6	1285				
X1	49.5	41	389	429	252	252	252			
GR	724.73		721.02	20	717.63	40	714.73	60	711.68	80
GR	708.8	100	707.19	120	706	140	706	300	705.8	320
GR	705.46	340	705.11	360	704.55	380	704.36	389	700.3	406
GR	700.05	407	700.05	415	700.3	416	704.65	429	704.99	440
GR	705	460	704.85	480	704.66	500	704.66	520	704.81	540
GR	704.96	560	705	580	704.85	600	704.81	620	704.86	640
GR	704.91	660	704.97	680	705.17	700	705.67	720	705.84	740
GR	705.96	760	706	780	706	840	706.27	860	706.75	880
GR	707	900								
X1	50	23	402	441	249	249	249			
GR	714.6		712.6	59	710.6	102	708.6	140	706.6	204
GR	704.6	228	704.6	272	706.6	381	706.6	402	704.6	406
GR	702.6	411	700.8	421	700.4	422	700.4	429	700.8	430
GR	702.6	433	704.6	438	706.6	441	706.6	1125	708.6	1247
GR	710.6	1420	712.6	1518	714.6	1545				
X1	50.5	43	439.5	479.5	223	229	226			
GR	708.1		710.49	20	711	40	711	60	708.33	80
GR	707.04	100	706.58	120	706.13	140	706	160	706	320
GR	705	340	705	360	705.03	380	705.54	400	705.97	420
GR	705.91	439.5	701.65	457.5	700.75	458.5	700.75	467.5	701.65	468.5
GR	705.07	479.5	705.07	480	706	500	706	520	706	540
GR	706.05	560	706.22	580	706.34	600	706.46	620	706.59	640
GR	706.72	660	706.85	680	706.99	700	707.9	720	709.19	740
GR	710.37	760	710.95	780	713.53	800	716.66	820	719.90	840
GR	722.58	860	724.69	880	725	894.7				
NC	.14	.14	.045							
X1	51	19	380	421	223	198	211			
GR	714.6		712.6	51	710.6	135	708.6	227	706.6	310
GR	706.6	380	704.6	383	702.6	389	702.5	397	701.1	398
GR	701.1	409	702.5	410	702.6	414	704.6	417	706.6	421

GR 706.6 737 708.6 1046 710.6 1409 712.6 1600

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X1	51.5	35	370.5	410.5	246	240	243			
GR	725.18		724.18	20	722.58	40	721.17	60	719.51	80
GR	712.73	100	710.41	120	709.37	140	708.09	160	706.57	180
GR	706.39	191.1	706.39	200	706	220	706	360	705.52	370.5
GR	702.7	382.5	701.4	383.5	701.4	394.5	702.7	395.5	705.99	410.5
GR	706.61	420	707	440	707	780	707.52	800	708.32	820
GR	708.22	840	708	860	708.15	880	708.15	900	708.02	920
GR	708	925.7	710	1125	711	1140	712	1165	712.9	1225

X1	52	24	355	396	263	238	250			
GR	714.6		712.6	53	710.6	143	708.6	159	706.6	175
GR	706.6	250	708.6	325	708.6	352	706.6	355	704.6	358
GR	702.9	363	701.7	364	701.7	376	702.9	377	704.6	393
GR	706.6	396	708.6	400	708.6	418	706.6	426	706.6	648
GR	708.6	795	710.6	1111	710.6	1150	712.6	1388		

NC 0.3 0.5

X1	52.5	43	275.5	313.5	254	254	254			
GR	725.85		725.74	20	725.42	40	719.37	60	713.42	80
GR	711.72	100	710.53	120	708.81	140	706.37	160	706	180
GR	706	200	706	220	706	230.6	706	240	706.03	260
GR	706.29	275.5	703.1	286.5	702.05	287.5	702.05	296.5	703.1	297.5
GR	706.87	313.5	706.95	320	707	340	707	595	707.22	615
GR	707.52	635	707.81	655	708.15	675	708.26	682	708.46	695
GR	708.76	715	709.2	735	710.16	755	710.95	775	710.98	795
GR	710.18	815	709.19	835	709.12	855	709.6	866	710	931
GR	711	1026	713	1191	713	1211				

X1	53	19	281	318	249	249	249			
X3				150	710.04	789	709.14			
GR	714.6		712.6	.91	710.6	157	708.6	236	708.6	278
GR	706.6	281	704.6	286	703.3	296	702.4	297	702.4	304
GR	703.3	305	704.6	313	706.6	318	706.6	371	708.6	394
GR	708.6	504	710.6	664	712.6	1105	714.6	1342		

X1	53.5	33	304.5	341.5	183	183	183			
X3				186	710.74	687	709.84			
GR	723		723	100	722.76	120	720.79	140	716.07	160
GR	711.54	180	708.46	200	707.44	220	706.86	240	706.57	260
GR	706.28	280	706	300	706	304.5	703.91	319.5	702.66	320.5
GR	702.66	327.5	703.91	328.5	706.02	341.5	706.26	360	706.53	380
GR	706.78	400	707	420	707	520	707.17	540	707.61	560
GR	708.08	580	708.84	600	709.37	620	709.82	640	710	651
GR	711	886	712	906	712	936				

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X1	54	44	382.5	417.5	184	184	184			
X3				270	710.93	685	710.03			
GR	727.27		725.51	20	721.97	40	722	60	722	120
GR	721.82	140	721.55	160	721.28	180	720.96	200	717.37	220
GR	713.1	240	709.08	260	707.9	280	707.65	300	707.4	320
GR	707.25	340	707.12	360	706.36	380	706.31	382.5	704.16	395.5
GR	702.91	396.5	702.91	403.5	704.16	404.5	706.06	417.5	706.07	420
GR	706.29	440	706.38	460	706.47	480	706.56	500	706.64	520
GR	706.73	540	706.83	560	706.91	575	706.94	580	707.22	600
GR	707.64	620	708.19	640	709.09	660	709.38	670.8	709.6	680
GR	710	695	711	1000	712	1035	712.1	1046		

X1	55	36	224.5	257.5	72	72	72			
X3				119	711.01	491	710.11			
GR	721.74		720.63	20	717.77	40	713.87	60	710.72	80
GR	709.18	100	707.94	120	707.75	140	707.56	160	707.37	180
GR	707.19	200	707	220	706.95	224.5	704.26	235.5	703.01	236.5
GR	703.01	243.5	704.26	244.5	706.57	257.5	706.54	260	706.48	280
GR	706.65	300	706.83	320	706.97	340	707.00	360	707	420
GR	707.06	440	707.69	460	708.20	480	708.63	500	709.22	520
GR	709.32	523.7	710	541	711	576	711	874	712	904
GR	712.2	918								

NC 0.1 0.1 0.035

QT 7 570 800 965 1190 1360 1550 2010

X1	56	20	302	333	63	63	63			
X3				223	711.08	498	710.18			
GR	712.6	85	710.6	100	708.6	225	708.6	292	706.6	302
GR	704.7	312	703.1	313	703.1	319	704.7	320	706.6	333
GR	708.6	401	708.6	434	710.6	440	710.6	480	709.6	557
GR	710	623	711	653	711	945	712	955	712.5	985
NH	5	0.1	278	0.035	321	0.1	678	10	758	0.1
NH	825									
WEST MILL ROAD / FOND DU LAC AVENUE										
X1	57	29	278	321	50	50	50			
X3	10							711.1	710.2	
GR	712.2	84	710.3	100	708.7	200	708.6	209	707.4	250
GR	706.9	269.3	706.9	269.4	706.6	278	704.8	281	703.2	283.5
GR	703.8	292	703.3	300	703.2	309	704.7	316.5	706.6	321
GR	706.9	330.6	706.9	330.7	707.5	350	708.6	385	708.6	400
GR	708.6	418	708.7	423	708.9	440	709.6	500	710.2	600
GR	712	675	712	678	712	758	713	825		

SB		1.56	3.0		33		160.2			
X1	58				80	80	80			
X2			1	708.4	710.2					
X3	10							711.1	710.2	
BT	-24	84	712.2	712.2	100	712	710.3	200	711.1	708.7
BT		209	711.1	708.6	250	711.3	707.4	269.3	711.5	706.9

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BT		269.4	712.1	706.9	278	712.1	706.6	281	712.1	704.8
BT		283.5	712.1	708.4	316.5	712.1	708.4	321	712.1	706.6
BT		330.6	712.1	706.9	330.7	711.5	706.9	350	711.3	707.5
BT		385	710.8	708.6	400	710.6	708.6	418	710.4	708.6
BT		423	710.3	708.7	440	710.2	708.9	500	710.8	709.6
BT		600	711.5	710.2	675	712	712	825	713	713

NC	0.035	0.035	0.035							
X1	59	19	18.7	228.7	740	815	780			
GR	724.6	12.4	724.6	13.4	723.1	13.6	722	18.7	710.8	42.2
GR	705.3	53.7	703.7	120	705.1	136.3	710.8	147.6	710.8	159.6
GR	710.3	159.7	710.6	180	710.2	199.6	710.7	199.7	710.1	206.1
GR	719.3	225	719.4	228.7	721.6	229	721.6	230.2		

ROUTE 145

SB	.9	1.56	3.0		61	6	2894.9	3.48		
X1	59.3				130	130	130			
X2			1	725.1	726.4					
BT	-6	12.4	729.8	724.6	13.4	729.7	725.1	42.2	729.3	724.7
BT		147.6	727.7	723.4	229	726.5	722.3	230.2	726.4	721.6

X1	59.6	19	242.5	356.5	98	98	98			
X3				170	713.4	445	713.7			
GR	716.6		714.6	56	712.6	117	710.6	159	710.4	240
GR	710.2	242.4	710.2	242.5	708.7	247.2	705.5	259.3	703.7	263
GR	703.7	338	705.9	342	709.1	352.3	710.7	356.5	710.7	356.6
GR	710.7	1174	712.6	1293	714.6	1340	716.6	1353		

LEON TERRACE

SB	1.05	1.56	3.0		69	5	468.3	3.34		
X1	60.0				114	114	114			
X2			1	709.1	710.4					
X3				140	710.4	475	710.7			
BT	-6	242.4	710.4	710.4	242.5	712.4	710.4	247.2	712.41	708.7
BT		352.3	712.69	709.1	356.5	712.7	710.7	356.6	710.7	710.7

X1	61	50	743.5	784.5	29	29	29			
X3				529	715	914	715			
GR	715		711.52	90	710.86	110	710.28	130	709.82	150
GR	709.45	170	709.1	190	709	210	709	430	708.86	450
GR	708.76	470	708.69	490	708.53	510	708.12	530	708	550
GR	708	743.5	705.41	759.5	703.71	760.5	703.71	769.5	705.41	770.5
GR	708	784.5	708	850	708.09	870	708.32	890	708.54	910
GR	708.96	930	708.55	950	708.24	970	708.22	990	708.34	1010
GR	709	1030	709	1050	709.07	1070	709.11	1090	709.15	1110
GR	709.43	1130	709.71	1150	709.94	1170	709.41	1190	709.52	1210
GR	709.96	1230	710.91	1250	710.42	1270	711.3	1290	711.74	1310
GR	712.11	1330	712.34	1350	712.57	1370	712.76	1382	715	1422

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PAGE 19

X1	62	55	722	762	36	76	56			
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X3				437	715	944	715			
GR	715		711.7	80	710.9	100	710.18	120	709.79	140
GR	709.51	160	709.23	180	709	200	709	420	708.79	440
GR	708.7	460	708.61	480	708.58	500	708.17	520	708	540
GR	708	722	705.32	737	703.72	738	703.72	748	705.32	749
GR	708.01	762	708.08	780	708.2	800	708.25	820	708.32	840
GR	708.39	860	708.46	880	708.53	900	708.6	920	708.67	938
GR	708.67	940	708.76	960	708.85	980	708.94	1000	709	1020
GR	709	1040	709.20	1060	709.39	1080	709.59	1100	709.73	1120
GR	709.86	1140	710.00	1160	709.98	1180	710.32	1200	710.51	1220
GR	710.69	1240	710.88	1260	711.08	1280	711.31	1300	711.54	1320
GR	711.78	1340	712.03	1360	712.45	1380	712.77	1393	715	1448

X1	63	71	632.5	670.5	105	175	145			
X3				512	715	1112	715			
GR	724.54		718.95	20	716.96	40	715.67	60	714.55	80
GR	713.31	100	712.08	120	710.95	140	710.55	160	710.15	180
GR	709.8	200	709.53	220	709.3	240	709.06	260	709	280
GR	709	440	708.9	460	708.57	480	708.38	500	708.32	520
GR	708.29	540	708.16	560	708	580	708	632.5	705.26	646.5
GR	703.76	647.5	703.76	658.5	705.26	659.5	708	670.5	708	700
GR	708.06	710.9	708.04	720	708.05	740	708.06	760	708.08	780
GR	708.09	800	708.11	820	708.13	840	708.16	860	708.19	880
GR	708.26	900	708.33	920	708.4	940	708.47	960	708.53	980
GR	708.58	1000	708.66	1020	708.74	1040	708.82	1060	708.9	1080
GR	708.99	1100	709.12	1120	709.25	1140	709.39	1160	709.53	1180
GR	709.67	1200	709.8	1220	709.92	1240	710.03	1260	710.21	1280
GR	710.38	1300	710.54	1320	710.72	1340	710.9	1360	711.12	1380
GR	711.36	1400	711.59	1419	712	1459	713	1499	714	1529
GR	715	1549								

NC 0.08 0.1 0.035

X1	64	70	433.5	469.5	212	152	182			
X3				332	715	1097	715			
GR	719.6		716.53	20	715.3	40	714.47	60	713.36	80
GR	712.61	100	711.99	120	711.52	140	711.15	160	710.66	180
GR	710	200	710	220	709.51	240	709	260	709	400
GR	708.9	420	708.29	433.5	705.14	445.5	703.84	446.5	703.84	459.5
GR	705.14	460	708	469.5	708	480	708.03	500	708.15	520
GR	708.26	537	708.26	540	708.22	560	708.24	580	708.26	600
GR	708.27	620	708.24	640	708.16	660	708.17	680	708.15	700
GR	708.17	720	708.19	740	708.21	760	708.23	780	708.25	800
GR	708.26	820	708.28	840	708.3	860	708.33	880	708.39	900
GR	708.46	920	708.53	940	708.6	960	708.67	980	708.74	1000
GR	708.81	1020	708.88	1040	708.95	1060	709.05	1080	709.19	1100
GR	709.32	1120	709.45	1140	709.56	1160	709.67	1180	709.77	1200
GR	709.88	1220	709.98	1240	710.13	1260	710.32	1280	710.4	1288
GR	711	1348	712	1428	713	1468	714	1493	715	1518

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NC	0.1	0.08	0.035							
X1	65	71	355	390	125	45	85			
X3				263	715	1083	715			
GR	720.84		718.1	20	716.62	40	714.8	60	714.1	80
GR	713.55	100	713	120	712.81	140	712.24	160	711.32	180
GR	710.61	200	709.56	220	709	240	709	300	708.74	320
GR	708.3	340	708.08	355	704.99	366	703.89	367	703.89	381
GR	704.99	382	708.04	390	708.08	400	708.6	420	708.39	440
GR	708.43	460	708.4	480	708.43	500	708.48	520	708.46	540
GR	708.39	560	708.32	580	708.34	600	708.32	620	708.35	640
GR	708.38	660	708.41	673.1	708.41	680	708.43	700	708.44	720
GR	708.45	740	708.47	760	708.48	780	708.5	800	708.51	820
GR	708.53	840	708.54	860	708.55	880	708.58	900	708.65	920
GR	708.72	940	708.79	960	708.86	980	708.93	1000	709	1020
GR	709.01	1040	709.13	1060	709.25	1080	709.37	1100	709.47	1120
GR	709.59	1140	709.71	1160	709.82	1180	709.94	1200	710.11	1220
GR	710.27	1236.4	711	1301	712	1374	713	1414	714	1439
GR	715	1464								

NC	0.08	0.08	0.035							
X1	66	78	402.5	435.5	208	158	178			
X3				264	715	1441	715			
GR	733.59		731.90	20	728.42	40	724.03	60	720.64	80
GR	719.58	100	718.56	120	717.85	140	717.28	160	716.7	180
GR	716.05	200	715.18	220	714.42	240	713.69	260	712.1	280
GR	711.1	300	710.41	320	709.86	340	709.52	360	708.89	380
GR	708.26	400	708.22	402.5	704.96	412.5	703.96	413.5	703.96	428.5
GR	704.96	429.5	708.28	435.5	708.33	440	709	460	708.94	480
GR	708.86	500	708.78	520	708.7	540	708.65	560	708.6	580
GR	708.56	600	708.57	620	708.58	640	708.59	660	708.6	680
GR	708.62	700	708.63	720	708.64	740	708.65	760	708.66	780

GR	708.68	800	708.69	820	708.7	840	708.71	860	708.73	880
GR	708.74	900	708.75	920	708.76	940	708.77	960	708.79	980
GR	708.84	1000	708.91	1020	708.98	1040	709	1060	709	1080
GR	709.11	1100	709.22	1120	709.33	1140	709.44	1160	709.55	1180
GR	709.66	1200	709.77	1220	709.88	1240	709.99	1260	710.16	1280
GR	710.35	1300	710.54	1320	710.6	1326.8	711	1367	712	1432
GR	713	1487	714	1502	715	1522				

X1	67	20	378	410	105	55	80			
X3				224	715	1111	715			
GR	716.6		714.6	138	712.6	210	710.6	342	708.6	378
GR	706.6	381	704.9	387	704	388	704	404	704.9	405
GR	706.6	408	708.6	410	710.6	417	710.6	431	708.6	442
GR	708.6	820	710.6	1255	712.6	1380	714.6	1438	716.6	1492

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NC			0.1	0.3						
X1	67.5	52	520.5	554.5	257	237	247			
GR	725.28		724.72	20	724.21	40	723.38	60	722.46	80
GR	721.4	100	720.35	120	719.82	140	718.86	160	717.97	180
GR	716.72	200	715.59	220	714.27	240	713.5	260	713.25	280
GR	712.94	300	712.65	316	712.57	320	712.22	340	711.89	360
GR	711.51	380	711.12	400	710.8	420	710.52	440	710.27	460
GR	710.06	480	710.27	500	709.62	520	709.59	520.5	704.95	528.5
GR	704.15	529.5	704.15	542.5	704.95	543.5	708.43	554.5	708.42	560
GR	709	580	709	1140	709.05	1160	709.19	1180	709.33	1200
GR	709.48	1220	709.62	1240	709.73	1260	709.83	1280	709.97	1300
GR	710.07	1320	710.22	1340	711	1430	712	1488	713	1551
GR	714	1580	715	1602						

NC	0.1	0.07	0.035							
X1	68	17	293	328	251	259	255			
GR	716.6		714.6	26	712.6	70	710.6	127	708.6	293
GR	706.6	299	705	305	704.3	306	704.3	316	705	317
GR	706.6	323	708.6	328	708.6	654	710.6	1092	712.6	1228
GR	714.6	1305	716.6	1370						

X1	68.5	53	433	468	249	249	249			
GR	728.03		726.52	20	725.03	40	723.09	60	720.99	80
GR	719.51	100	718.41	120	717.33	140	716.11	160	714.90	180
GR	713.51	200	712.57	220	711.8	240	710.92	260	710	280
GR	710	400	709.83	420	709.28	433	705.05	446	704.45	447
GR	704.45	455	705.05	456	708.85	468	709	480	709	860
GR	709.06	880	709.18	900	709.29	920	709.40	940	709.51	960
GR	709.6	980	709.68	1000	709.78	1020	709.88	1040	709.98	1060
GR	710	1080	710	1200	710.07	1220	710.39	1240	710.68	1260
GR	710.99	1280	711.43	1300	711.91	1320	712.17	1340	712.42	1360
GR	712.78	1380	713.38	1400	714.06	1420	714.43	1440	714.80	1460
GR	715.36	1480	716.16	1500	716.31	1505.40				

X1	69.0	17	570	610	236	276	256			
GR	714.6		712.60	180	710.60	423	710.60	570	708.60	576
GR	706.60	581	705.10	590	704.60	591	704.60	597	705.10	598
GR	706.60	600	708.60	610	708.60	804	710.60	1340	712.60	1454
GR	714.60	1572	716.60	1608						

NC	0.05	0.05	0.04							
X1	69.5	78	652	695	254	254	254			
GR	725.55		723.98	20	722.42	40	720.85	60	719.77	80
GR	719.33	100	719.00	120	719.00	160	718.56	180	715.28	200
GR	713.96	220	712.76	240	712.36	260	712.06	280	711.69	300
GR	711.34	320	711.06	340	710.95	360	710.87	380	710.80	400
GR	710.71	420	710.62	440	710.54	460	710.48	474.7	710.44	480
GR	710.31	500	710.17	520	710.04	540	710.00	560	710.00	620

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GR	709.88	640	709.27	652	705.10	666	704.75	667	704.75	677
GR	705.10	678	709.71	695	709.79	700	709.90	720	709.72	740
GR	709.53	760	709.32	780	709.13	800	709.00	820	709.00	900
GR	709.11	920	709.29	940	709.42	960	709.55	980	709.68	1000
GR	709.81	1020	709.94	1040	710.14	1060	710.55	1080	710.59	1100
GR	710.82	1120	710.85	1140	710.87	1160	710.97	1180	711.00	1200
GR	711.35	1220	711.00	1240	711.00	1360	711.17	1380	711.34	1400
GR	711.51	1420	711.68	1440	711.84	1460	712.05	1480	712.44	1500
GR	712.82	1520	713.34	1540	714.01	1560	714.30	1580	714.61	1600
GR	714.92	1620	715.45	1640	716.12	1660				

QT	7	256	363	443	554	644	741	998		
X1	70.0	20	512	563	236	264	250			
GR	716.6		714.60	31	712.60	70	710.60	160	708.80	380
GR	710.60	506	708.60	512	706.60	520	705.10	526	704.90	527
GR	704.90	540	705.10	541	706.60	543	708.60	563	710.10	780
GR	710.60	983	712.60	1235	713.80	1338	714.60	1493	716.60	1545

NC 0.1 0.1 0.035

X1	70.3	58	440	470	192	168	180			
GR	723		723	20	722.9	40	722.32	60	721.54	80
GR	720.66	100	718.71	120	716.19	140	714.19	160	713.98	180
GR	714.02	200	713.75	220	713.68	240	712.83	260	710.27	280
GR	710	300	710	320	709.92	340	709.75	360	709.59	380
GR	709.43	400	709.26	420	708.25	440	706.74	444	705.24	450
GR	705.04	451	705.04	464	705.24	465	706.74	467	708.29	470
GR	708.58	480	709.31	500	709.11	520	709.06	540	709.01	560
GR	709	580	709.18	600	709	620	709.01	640	709.2	660
GR	709.09	663.65	709.85	680	709.73	700	709.77	720	709.96	740
GR	710	760	710.01	840	710.23	860	710.45	880	710.67	900
GR	710.93	920	711	940	711	1020	710.14	1040	709.03	1060
GR	711.27	1080	717.02	1100	718	1112.29				

X1	70.6	56	540	580	203	197	200			
GR	716.98		715.49	20	714.5	40	713.57	60	712.72	80
GR	712.18	100	711.64	120	711.06	140	710.64	160	710.19	180
GR	709.94	200	709.85	220	709.75	240	709.65	260	709.55	279.08
GR	709.55	280	709.46	300	709.36	320	709.27	340	709.17	360
GR	709.08	380	709	400	709	480	709.27	500	709.83	520
GR	708.71	540	706.94	549	705.4	555	705.2	556	705.2	569
GR	705.4	570	705.2	572	709.12	580	709.33	600	709.55	620
GR	709.76	640	709.98	660	710	680	710	740	710	757.18
GR	710	760	710.14	780	710.3	800	710.47	820	710.63	840
GR	710.69	860	710.79	880	710.91	900	711.01	920	711.13	940
GR	711.44	960	711.6	980	711.96	1000	712.76	1020	713.83	1040
GR	714	1060								

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NC 0.3 0.5

X1	71	18	597	627	185	193	189			
X3				112	712.62	1127	711.82			
GR	714.6		712.6	52	710.6	148	708.6	400	708.6	597
GR	706.6	608	705.4	610	705.3	611	705.3	618	705.4	619
GR	706.6	622	708.6	627	710.6	634	712.6	640	712.6	652
GR	710.6	787	712.6	1157	714.6	1591				

X1	71.5	62	720	760	253	250	252			
X3				255	712.64	1011	711.84			
GR	723.41		721.19	20	717.98	40	715.94	60	715.43	80
GR	714.99	100	713.98	120	713.22	140	712.61	160	712.06	180
GR	711.57	200	711.09	220	710.87	228.98	710.58	240	710.07	260
GR	709.93	280	709.86	300	709.78	320	709.71	340	709.63	360
GR	709.55	380	709.48	400	709.4	420	709.32	440	709.25	460
GR	709.17	480	709.1	500	709.03	520	709	540	709	620
GR	709.18	640	709.65	660	710	680	710	700	709.38	720
GR	706.75	732	705.55	734	705.45	735	705.45	742	705.55	743
GR	706.75	746	709.27	760	709.96	780	710	800	710.01	860
GR	710.11	880	710.2	900	710.24	908.11	710.29	920	710.38	940
GR	710.48	960	710.58	980	710.68	1000	710.78	1020	710.89	1040
GR	710.99	1060	711	1080	711	1100	713.46	1120	717.37	1140
GR	717.74	1160	717.98	1173.59						

X1	72	19	518	552	233	263	248			
X3				139	712.66	674	711.86			
GR	714.6		712.6	46	710.6	71	708.6	247	708.6	260
GR	710.6	496	710.6	518	708.6	524	706.6	527	705.8	529
GR	705.6	530	705.6	538	705.8	539	706.6	542	708.6	544
GR	710.6	552	710.6	809	712	829	717	854		

X1	73	41	480	540	315	296	291			
X3				368	712.69	560	711.89			
GR	715.97		715.26	20	714.76	40	714.36	60	713.88	80
GR	713.14	100	712.16	120	711.34	140	710.85	160	710.54	180
GR	710.25	200	710	220	710.00	440	709.86	460	709.50	480
GR	708.8	493	706	498	705.77	499	705.77	517	706	518
GR	708	523	709.19	540	709.36	560	709.53	580	709.7	600
GR	709.87	620	710.05	640	710.27	660	710.48	680	710.69	700
GR	710.9	720	711.18	740	711.51	760	711.83	780	713.41	800
GR	716.54	820	718.85	840	719.76	860	719.65	880	719.48	900

X1	74	51	543	586	151	124	141			
X3	10							711.9	712.1	
GR	717.54		716.44	20	715.75	40	715.27	60	714.7	80
GR	714.15	100	713.66	120	713.17	140	712.74	160	712.49	180
GR	711.85	200	711.38	220	711.18	240	710.95	260	711.17	280
GR	711.39	300	710.83	320	710.79	340	710.78	360	710.78	380
GR	710.7	400	710.52	420	710.56	440	710.81	460	710.63	480
GR	710.43	500	710.37	520	710.19	540	710.14	543	708.7	546
GR	706.1	549	705.84	550	705.84	582	706.1	583	708.7	586
GR	710.66	600	712	620	712	640	711.53	660	711.41	680
GR	711.5	700	711.31	720	711	740	711.28	760	712.03	780
GR	712.41	800	712.78	820	713.7	840	717.46	860	719	880
GR	719	940								

FOOT PATH BRIDGE (bridge not in FIS HEC-2 model)

SB		1.56	3.0			19		129.8	0	
X1	75	47	556.5	575.5		6	6	6		
X2			1	712.7		711.9				
X3	10							711.9	712.1	
BT	-43	0	719.23	719.23	20	718.49	717.01	40	717.74	715.95
BT		60	717	715.62	80	716.41	714.77	100	715.82	714.09
BT		120	715.24	713.51	140	714.68	713.01	160	714.14	712.34
BT		180	713.84	711.63	200	713.63	711.38	220	713.41	711
BT		280	712.87	711	300	712.75	710.88	320	712.64	710.64
BT		340	712.52	710.53	360	712.4	710.27	380	712.28	710
BT		443	711.9	710	540	713	710	543	713.13	708.47
BT		544	713.15	706.17	556.4	713.7	705.87	556.5	713.7	712.7
BT		566	713.7	712.7	575.5	713.7	712.7	575.6	713.7	705.87
BT		588	713.67	706.17	589	713.67	708.47	600	713.65	710
BT		660	713.53	710	680	713.49	710.13	700	713.45	710.4
BT		720	713.41	710.67	740	713.40	710.94	760	713.36	711.04
BT		772	713.3	711.17	780	713.17	711.26	800	712.86	711.49
BT		820	712.54	711.71	840	712.23	711.92	848	712.1	712.1
BT		860	713.03	713.03						
GR	719.23		717.01	20	715.95	40	715.62	60	714.77	80
GR	714.09	100	713.51	120	713.01	140	712.34	160	711.63	180
GR	711.38	200	711	220	711	280	710.88	300	710.64	320
GR	710.53	340	710.27	360	710	380	710	443	710	540
GR	708.47	543	706.17	544	705.87	556.4	705.87	556.5	705.87	566
GR	705.87	575.5	705.87	575.6	706.17	588	708.47	589	710	600
GR	710	660	710.13	680	710.4	700	710.67	720	710.94	740
GR	711.04	760	711.17	772	711.26	780	711.49	800	711.71	820
GR	711.92	840	712.1	848	713.03	860	716.08	880	718.32	900
GR	719	920	719	960						

X1	76.0	42	480	560	96	108	102			
X3				420	712.7	585	711.9			
GR	716		715.13	20	714.66	40	714.11	60	713.52	80
GR	712.92	100	712.4	120	711.82	140	711.44	160	711.19	180
GR	711	200	710.94	220	710.87	240	710.8	260	710.73	280
GR	710.66	300	710.39	320	710.13	340	710	360	710	480
GR	708.31	496	706.21	497	705.91	498	705.91	544	706.21	545

GR	708.31	546	710	560	710	600	710.34	620	710.65	640
GR	710.8	660	710.98	680	711.09	700	711.22	720	711.45	740
GR	711.67	760	711.89	780	712.44	800	714.14	820	717.49	840
GR	719	860	719	900						

X1	76.5	45	330	410	246	246	246			
GR	719.91		717.45	20	713.94	40	713.22	60	712.8	80
GR	712.52	100	712.28	120	712.04	140	712	160	711.89	180
GR	711.65	200	711.42	220	711.18	240	711	252.25	710.61	260
GR	710.14	330	708.25	340	706.35	341	706.05	342	706.05	398
GR	706.35	399	708.25	400	710.14	410	710.14	417.4	710.15	420
GR	710.21	440	710.27	460	710.34	480	710.4	500	710.47	520
GR	710.53	540	710.59	560	710.65	580	710.71	600	710.76	620
GR	710.84	640	710.92	660	710.99	680	711.59	700	712.22	720
GR	712.76	740	713.61	760	714.26	780	714.81	800	715.16	806.4

NC 0.1 0.3

X1	77	19	475	563	207	260	240			
GR	718.6		716.6	58	714.6	120	712.6	170	710.6	225
GR	710.6	475	708.6	495	706.6	498	706.3	501	706.2	502
GR	706.2	549	706.3	550	706.6	558	708.6	563	710.6	675
GR	712.6	926	714.6	1000	716.6	1052	718.6	1085		

NC				0.3	0.5					
X1	77.5	40	332	400	264	270	267			
X3				57	715	689	715			
GR	715.91		714.87	20	713.88	40	713.1	60	712.53	80
GR	712.07	100	711.63	120	711.32	140	711.05	160	711	180
GR	711	200	711	220	711	240	710.83	260	710.67	280
GR	710.51	300	710.3	320	708.45	332	706.55	335	706.35	336
GR	706.35	380	706.55	381	710.08	400	710.28	420	710.44	440
GR	710.6	460	710.76	480	710.92	500	711	520	711	640
GR	711.03	660	711.35	680	711.65	700	711.99	720	712.72	740
GR	713.52	760	715.96	780	718.95	800	720.59	820	721	832.22

X1	78	19	240	330	249	245	247			
X3				87	715	521	715			
GR	720.6		718.6	10	716.6	22	714.6	50	712.6	109
GR	710.6	240	708.6	265	706.7	268	706.5	269	706.5	313
GR	706.7	314	708.6	320	710.6	330	710.6	640	712.6	740
GR	714.6	790	716.6	844	718.6	860	720.6	877		

X1	79	19	184	250	383	288	336			
X3				152	715	331	715			
GR	717.6		716.6	37	716.6	90	714.6	120	712.6	173
GR	710.6	184	708.6	190	707	193	706.7	194	706.7	241
GR	707	242	709.6	248	710.6	250	710.6	605	712.6	713
GR	714.6	778	716.6	825	718.6	842	720.6	860		

QT	7	300	428	518	636	727	822	1060		
X1	79.3	21	223	314.5	50	50	50			
X3	10							721.8	721	
GR	717.6	55	717.1	73	716.6	91	716.6	145	714.6	173
GR	712.6	223	712.6	223.1	707.8	265	706.8	266	706.8	289
GR	707.8	290	710.6	314.5	710.6	332	710.6	332.1	710.6	600
GR	710.6	687	710.9	700	712.6	800	714.3	850	714.6	860
GR	716.3	900								

WEST GOOD HOPE ROAD - REBUILT SINCE FEMA

SB		1.56	3.0		25		661.7	4.94		
X1	79.6				120	120	120			
X2			1	715.9	721					
X3	10							721.8	721	
BT	-19	55	722.64	717.6	73	722.55	717.1	91	722.46	716.6
BT		145	722.19	716.6	173	722.05	714.6	223	721.8	712.6
BT		223.1	721.8	715.9	265	721.49	715.59	266	721.48	715.58
BT		289	721.32	715.42	290	721.31	715.41	332	721	715.1
BT		332.1	721	710.6	600	721.4	710.6	700	721.6	710.9
BT		800	721.8	712.6	850	721.9	714.3	860	721.92	714.6
BT		900	722	716.3						

X1	80	16	198	235	202	202	202			
X3				162	715	287	715			
GR	717.5		716.6	81	714.6	151	712.6	173	710.6	198
GR	708.6	205	708.3	209	706.8	210	706.8	222	708.3	223
GR	708.6	229	710.6	235	710.6	460	712.6	630	714.6	686
GR	716.6	797								

X1	81	50	400	460	78	82	80			
X3				400	715	550	715			
GR	723.76		722.8	20	721.75	40	720.6	60	719.53	80
GR	718.69	100	718.39	120	719.88	140	720.59	160	720.48	180
GR	720.27	200	720.36	220	720.1	240	717.56	260	716.46	280
GR	715.86	300	715.58	320	715.3	340	714.92	360	714.08	380
GR	712.78	400	711	420	708.7	428	708.4	432	706.9	433
GR	706.9	445	708.4	446	708.7	452	711	460	711	540
GR	711.19	560	711.38	580	711.47	600	711.95	620	713.05	640
GR	712.62	660	711.72	680	711.6	700	711.68	720	711.75	740
GR	711.82	760	711.89	780	711.96	800	712	820	712.16	840
GR	713.06	860	713.77	880	714.31	900	714.68	920	714.78	925

X1	82	15	299	352	111	171	141			
X3				246	715	391	713.9			
GR	717.5		716.6	134	714.6	222	712.6	279	710.6	299
GR	708.6	313	708.2	321	706.8	322	706.8	334	708.2	335
GR	708.6	340	710.6	352	712.6	955	714.6	1102	716.6	1240

X1	82.3	27	365	439	50	50	50			
X3	10							717.3	714	
GR	717.5	72	717	150	716.7	200	714.6	294	714.4	300
GR	712.6	350	709.9	365	708.5	375	707.8	379	706.8	390
GR	707.4	400	708.3	415	708.7	419	707.4	425	707.9	430.5
GR	709	439	709.1	450	709.4	500	710	600	710.6	700
GR	711.2	800	711.8	900	712.4	1000	712.6	1026	713.6	1100
GR	715	1200	716.6	1312						

NORTH GRANVILLE AVENUE - BRIDGE SKEWED
 Bridge sections skewed prior to coding.

SB	1.05	1.56	3.0		53	3	418.2	1.59		
X1	82.6				93	93	93			
X2			1	713.4	714					
X3	10							717.3	714	
BT	-20	72	718.1	717.5	150	717.3	717	200	717.3	716.7
BT		294.4	717.6	714.6	300	717.6	714.4	350	717.5	712.6
BT		365	717.4	713.4	400	717.2	713.4	439	716.5	713.4
BT		450	716.3	709.1	500	715.6	709.4	600	715.4	710
BT		700	714	710.6	800	714.5	711.2	900	714.3	711.8
BT		1000	714.6	712.4	1026	714.7	712.6	1100	715	713.6
BT		1200	716.2	715	1312	717.5	716.6			

X1	83	18	111	141	20	20	20			
X3				61	717.36	151	714.06			
GR	715.63		715.67	20	715.49	40	713.99	60	711.51	80
GR	711.68	100	710.17	111	707.87	116	706.81	117	706.81	133
GR	707.87	134	710.17	141	711.14	146.7	714.36	160	714.48	180
GR	714.88	200	712.41	220	712.06	231.65				

NC	0.07	0.07	0.035							
X1	84	32	295	340	67	47	57			
X3				266	717.48	371	714.18			
GR	716.86		717.55	20	717.53	40	717.19	60	716.85	80
GR	715.93	100	714.99	120	714.37	137.01	714.28	140	713.43	160
GR	712.5	180	712.9	200	712.89	220	712.77	240	712.41	260
GR	711.45	280	710.12	295	707.82	300	706.91	301	706.91	317
GR	707.82	318	710.12	325	712	340	712	342.39	713.04	360
GR	714.35	380	714.51	400	713.78	417.85	713.48	420	711.94	440
GR	711.83	460	711.8	464.83						

X1	85	36	476	506	138	96	117			
X3				406	717.59	591	714.29			
GR	719.66		719.01	20	718.32	40	717.76	60	717.42	80
GR	717.03	100	716.76	120	716.49	140	716.21	160	715.86	180
GR	715.36	200	715.31	220	715.81	240	716.31	260	716.8	280
GR	716.75	300	716.28	320	715.39	340	713.47	360	712.12	380
GR	712	400	712	419.12	712	420	712	440	711.31	460

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GR	710.22	476	707.92	481	707	482	707	498	707.92	499
GR	710.22	506	712	510	712	580	713.87	600	714	620
GR	714	640								

X1	86	48	550	580	102	108	110			
GR	723.38		722.87	20	722.18	40	721.6	60	721.01	80
GR	720.35	100	719.6	120	718.77	140	718.02	160	717.64	180
GR	717.27	200	716.92	220	716.65	240	716.38	260	716.1	280
GR	716	300	715.68	320	715.38	340	715.09	360	715.07	361.53
GR	714.89	380	714.69	400	714.49	420	713.55	440	713.28	460
GR	713.07	480	712.72	500	712.28	520	711.24	540	710.32	550
GR	707.92	555	707.08	556	707.08	572	707.92	573	710.32	580
GR	711.03	600	711.2	600	711.36	620	711.72	640	712	660
GR	712	680	712.53	700	713.52	720	714	740	714	760
GR	712.93	780	712	800	712	804.05				

NC 0.1 0.3

X1	87	30	300	337	240	238	223			
GR	721.59		720.94	20	719.58	40	717.4	60	717.4	80
GR	717.41	100	717.41	120	717.19	140	716.92	160	715.72	180
GR	714.15	200	713.7	220	712.88	240	712.45	260	712.02	280
GR	711.89	300	710.52	307	708.22	312	707.23	313	707.23	329
GR	708.22	330	710.52	337	712.01	340	712.45	359.14	712.47	360
GR	712.94	380	714.26	400	714.82	420	715	440	715	450.54

X1	88	13	200	261	74	90	94			
GR	716.6		714.6	91	712.6	200	710.6	222	710.3	227
GR	707.6	228	707.3	244	710.2	245	710.6	252	712.6	261
GR	712.6	455	714.6	700	716.6	845				

X1	88.3	44	360	400	181	174	177			
GR	721.5		719.74	20	718.69	40	718.24	60	717.82	80
GR	717.45	100	717.18	120	717	140	716.93	160	716.55	180
GR	716.16	200	715.77	220	715.38	240	715.01	260	715.34	280
GR	715.65	300	715.48	320	714.01	340	712.32	360	709.77	368
GR	709.17	375	707.47	376	707.47	384	709.27	385	709.77	388
GR	712.9	400	712	420	712	500	712.23	520	712.56	540
GR	713	560	712.7	580	712.99	600	712.78	620	712.43	640
GR	712.8	660	714	680	713.68	700	713.64	720	713.73	740
GR	714.27	760	714.78	780	715.48	800	715.65	804.07		

X1	88.6	42	320	360	173	184	179			
GR	722.74		722.48	20	722.21	40	721.87	60	721.41	80
GR	721.12	100	720.97	120	719.06	140	717.56	160	716.93	180
GR	716.49	200	716.49	200.02	716.16	220	714.98	240	714.73	260
GR	714.48	280	714.24	300	713.88	320	709.94	335	709.44	342
GR	707.64	343	707.64	351	709.44	352	709.94	354	712	360
GR	712	440	712.1	460	712.47	480	712.81	500	713.2	520
GR	713.62	540	714	560	714	600	714.13	620	714.47	640

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GR	714.87	660	715.24	680	715.59	700	716	720	717.91	740
GR	719.65	760	720	780						

X1	89	43	310	340	209	149	179			
GR	725.03		725	20	724.94	40	724.46	60	722.84	80
GR	719.69	100	719.64	120	719.04	140	717.79	160	716.55	180
GR	714.86	200	714.73	220	714.55	240	714.38	260	714.21	280
GR	714.03	300	712	310	710.11	319	709.51	326	707.81	327
GR	707.81	335	709.61	336	710.11	338	712	340	712.82	360
GR	712	380	712	460	712.15	480	712.45	500	712.73	520
GR	713	540	713.29	560	713.57	580	713.87	600	714.16	620
GR	714.43	640	714.72	660	715	680	716.55	700	718.06	720
GR	718.54	740	719	760	719	774				

NC	0.05	0.05	0.035	0.3	0.5					
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X1	89.5	45	340	380	261	261	261			
X3				165	720	655	720			
GR	725.23		723.72	20	721.13	40	720.21	60	720.17	80
GR	719.14	100	718.63	120	717.79	140	714.99	160	713.34	180
GR	712.8	200	712.47	220	712.16	240	712.04	260	712	280
GR	712.38	300	713	320	712	340	710.36	346	709.76	353
GR	708.06	354	708.06	362	709.86	363	710.36	365	712.3	380
GR	712.53	400	712.42	420	712.61	440	712.79	460	712.97	480
GR	713	500	713	540	713.08	560	713.26	580	713.44	600
GR	713.60	620	713.79	640	714	660	714.53	680	716.66	700
GR	719.54	720	721.33	740	721.98	760	722.52	780	723.12	800

X1	90	13	302	330	249	264	256			
X3				77	720	571	720			
GR	716.6		714.6	55	712.6	129	712	302	710.6	311
GR	710	318	708.3	319	708.3	327	710.1	328	710.6	330
GR	712.6	414	714.6	632	716.6	690				

X1	91	44	487.2	520	257	257	257			
X3				224	720	724	720			
GR	723.12		721.63	20	719.94	40	719.76	60	719.55	80
GR	719.35	100	719.14	120	717.51	140	715.45	160	714.99	180
GR	714.59	200	714.41	220	714.23	240	714.05	260	713.89	280
GR	713.73	300	713.58	320	713.42	340	713.26	360	713.1	380
GR	713	400	713	487.2	709.71	494	708.4	495	708.4	503
GR	709.81	504	710.89	506	713	520	713.58	540	713	560
GR	713	640	713.46	660	713.95	680	714.28	700	714.57	720
GR	714.85	740	715.46	760	716.33	780	717.08	800	717.79	820
GR	718.63	840	719.51	860	722.81	880	726.34	893.75		

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X1	92	13	460	500	259	283	271			
X3				401	720	525	720			
GR	716.6		714.6	151	712.6	358	712.6	460	710.6	475
GR	710.2	480	708.5	481	708.5	488	710.3	489	710.6	491

GR	712.6	500	714.6	627	716.6	718				
X1	92.3	29	479.7	520.3	45	45	45			
X3	10							715.8	719	
GR	716.6	14	715.5	100	714.6	166	714.5	200	714.3	300
GR	714.0	400	713.9	450	713.9	459.5	713.9	459.6	713.9	470
GR	710.4	479.6	710.4	479.7	710.3	487	709.7	494	708.8	494.1
GR	708.9	500	709.4	506	708.9	509	709.5	513	709.6	520.3
GR	709.6	520.4	713.9	535.5	713.9	540.5	713.9	540.6	714	550
GR	714.3	600	714.6	642	715.9	700	716.6	733		

WEST CALUMET ROAD (added points to square up top of opening)

SB		1.56	3.0		33		264.6	0.53		
X1	92.6				44	44	44			
X2			1	716	715.8					
X3	10							715.8	719	
BT	-22	14	717.8	716.6	100	716.2	715.5	166	715.9	714.6
BT		200	715.8	714.5	300	716.5	714.3	400	717.8	714
BT		450	718.8	713.9	459.5	719	713.9	459.6	719.6	713.9
BT		470	719.6	713.9	479.6	719.6	710.4	479.7	719.6	716
BT		520.3	719.6	716	520.4	719.6	709.6	535.5	719.6	713.9
BT		540.5	719.6	713.9	540.6	719.3	713.9	550	719.3	714
BT		600	719.1	714.3	642	719.1	714.6	700	719	715.9
BT		733	719.4	716.6						

NC	0.1	0.04	0.035							
X1	93	13	491	534	30	35	25			
X3				451	720	541	720			
GR	716.6		714.6	159	712.6	338	712.6	491	710.6	499
GR	710.2	507	708.9	508	708.9	514	710.2	515	710.6	523
GR	712.6	534	714.6	540	716.6	568				

X1	94	46	480	520	35	35	35			
X3				320	720	560	720			
GR	716.63		716.14	20	715.82	40	715.55	60	715.3	80
GR	715.1	100	714.92	120	714.76	140	714.57	160	714.38	180
GR	714.19	200	714	220	714	240	713.95	260	713.75	280
GR	713.55	300	713.35	320	713.29	340	713.1	360	713	380
GR	713	480	710.61	493	710.21	501	708.91	502	708.91	508
GR	710.21	509	710.61	517	713	520	714	540	714.79	560
GR	716.43	580	717.59	600	719.27	620	720.1	640	719.66	660
GR	720.5	680	720.96	700	721.35	720	721.65	740	721.9	760
GR	722.36	780	722.77	800	723.34	820	724.47	840	725.82	860
GR	726.56	864.71								

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X1	95	44	440	480	55	55	55			
X3				185	720	540	720			
GR	715.5		715.2	20	714.96	40	714.85	60	714.74	80
GR	714.62	100	714.45	120	714.29	140	714.13	160	714	180
GR	713.89	200	713.67	220	713.46	240	713.25	260	713.04	280
GR	713	300	713	400	713.32	420	713	440	710.62	446
GR	710.22	454	708.92	455	708.92	461	710.22	462	710.62	470
GR	713	480	714.24	500	714.27	520	714.71	540	716.98	560
GR	719.41	580	719.4	587.11	719.15	600	719.9	620	720.53	640
GR	720.91	660	721.28	680	721.56	700	721.97	720	722.42	740
GR	722.76	760	723.33	780	724.53	800	726.53	815.54		

X1	96	47	500	549	90	102	96			
GR	716.98		715.64	20	715.24	40	714.93	60	714.76	80
GR	714.66	100	714.55	120	714.42	140	714.32	160	714.23	180
GR	714.14	200	714.03	220	713.84	240	713.64	260	713.43	280
GR	713.23	300	713.02	320	713	340	713	440	713.36	460
GR	713	480	713	500	710.65	517	710.25	525	708.95	526
GR	708.95	532	710.25	533	710.65	541	713	549	716	560
GR	715.59	580	715.93	600	716	620	715.77	640	716.04	660
GR	716.93	680	716.6	700	717.27	720	717.94	740	718.53	760
GR	719.11	780	719.77	800	721.08	820	722.54	840	724.48	860
GR	726.01	880	727.21	891.26						

NC				0.3	0.5					
X1	97	46	600	660	280	242	269			
GR	716.9		716.96	20	716.34	40	716	60	716	80
GR	714.96	100	714	120	713.95	140	713.72	160	713.49	180
GR	713.26	200	713.27	220	713.31	240	713.35	260	713.39	280
GR	713.51	300	713.66	320	713.8	340	713.95	360	714	380
GR	714	600	710.73	619	710.33	627	709.03	628	709.03	634
GR	710.33	635	710.73	643	713	660	713	680	713.64	700
GR	714.49	720	715.03	740	715.32	760	715.61	780	715.89	800

GR	716.52	820	717.35	840	718.32	860	719.29	880	720.23	900
GR	721.27	920	722.52	940	724.08	960	725.88	980	729.03	1000
GR	731.58	1009.87								
X1	98	13	732	765	260	268	264			
GR	716.6		714.6	13	714.6	732	712.6	742	710.6	747
GR	710.4	751	709.1	752	709.1	760	710.5	761	710.6	763
GR	712.6	765	714.6	836	716.6	920				
X1	98.3	50	800	820	202	202	202			
GR	720		720	20	718.86	40	715.71	60	714.96	80
GR	714.76	100	714.56	120	714.37	140	714.21	160	714.04	180
GR	714	200	714	360	714.01	380	714.12	400	714.23	420
GR	714.33	440	714.41	460	714.49	480	714.47	500	714.45	520
GR	714.43	540	714.41	560	714.39	580	714.37	600	714.4	620
GR	714.22	640	714	660	714	740	714.21	760	714.84	780

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GR	713.84	800	710.72	802	710.52	806	709.22	807	709.22	815
GR	710.62	816	710.72	818	713.85	820	714.00	840	714	940
GR	715.09	960	715.78	980	717.13	1000	718.80	1020	720.49	1040
GR	722.50	1060	724.7	1080	726.66	1100	729.24	1120	730.54	1137.05
X1	98.6	62	840	873.6	254	254	254			
GR	722		721.71	20	718.76	40	717.57	60	716.89	80
GR	716.43	100	715.97	120	715.48	140	715.03	160	714.81	180
GR	714.61	200	714.36	220	714.12	240	714	260	714	320
GR	714.06	340	714.13	360	714.19	380	714.25	400	714.32	420
GR	714.38	440	714.44	460	714.51	480	714.57	500	714.63	520
GR	714.68	540	714.73	560	714.81	580	714.9	600	715	620
GR	715	820	714.61	840	710.86	853	710.66	857	709.36	858
GR	709.36	866	710.76	867	710.86	869	714	873.6	714	880
GR	715	900	715.24	920	716.05	940	716.63	960	717.14	980
GR	717.81	1000	718.74	1020	719.89	1040	721.09	1060	722.37	1080
GR	723.67	1100	724.93	1120	726.38	1140	727.85	1160	729.11	1180
GR	730.29	1200	731.65	1220	733.29	1240	734.55	1260	735.34	1280
GR	735.95	1300	736.16	1306.36						

X1	99	13	830	869	220	230	225			
GR	718.6		716.6	65	714.6	200	714.6	830	712.6	835
GR	711.1	840	709.5	841	709.5	849	711.1	850	712.6	860
GR	714.6	869	716.6	918	718.6	970				

X1	99.5	40	780	840	245	255	250			
GR	718.71		718.11	20	717.75	40	717.43	60	717.16	80
GR	716.7	100	716.06	120	715.62	140	715.37	160	715.12	180
GR	715	200	715	760	714	780	712.7	796	711.2	801
GR	709.6	802	709.6	809	711.2	810	712.7	820	715.75	840
GR	716.28	860	716.56	880	717.08	900	717.46	920	717.85	940
GR	718.38	960	719.35	980	720.44	1000	721.52	1020	722.73	1040
GR	723.9	1060	725.15	1080	725.57	1100	725.98	1120	726.56	1140
GR	727.12	1160	727.46	1180	727.8	1200	728.26	1220	728.3	1221.19

NC 0.3 0.5

X1	100	16	751	785	270	284	277			
X3				153	720					
GR	718.6		716.6	122	714.6	445	714.6	725	716.6	730
GR	716.6	748	714.6	751	712.6	755	711.9	760	709.7	761
GR	709.7	770	711.9	771	712.6	779	714.6	785	716.6	790
GR	718.6	910								

X1	100.5	45	600	660	205	205	205			
X3				125	720					
GR	720.34		719.72	20	718.99	40	718.39	60	717.8	80
GR	717.29	100	716.87	120	716.55	140	716.23	160	716.01	180
GR	715.99	200	715.92	220	715.85	240	715.78	260	715.7	280
GR	715.63	300	715.58	320	715.55	340	715.51	360	715.47	380

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GR	715.44	400	715.4	420	715.36	440	715.33	460	715.2	480
GR	715.08	500	715	540	715	560	715.36	580	715.03	600
GR	712.7	619	712	624	709.8	625	709.8	634	712	635
GR	712.7	643	715	660	715	780	715.03	800	715.29	820
GR	715.56	840	715.87	860	717.73	880	722.75	900	727	920

X1	101	16	509	543	223	223	223			
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X3				118	720					
GR	718.6		716.6	111	714.6	509	712.6	515	712.1	519
GR	709.9	520	709.9	530	712.1	531	712.6	538	714.6	543
GR	716.6	550	716.6	560	714.6	588	714.6	740	716.6	1059
GR	718.6	1110								

X1	102	36	480	507	131	131	131			
X3				178	720	683	720			
GR	721.17		720.29	20	719.34	40	718.58	60	717.96	80
GR	717.50	100	717.02	120	716.26	140	715.92	160	715.79	180
GR	715.66	200	715.55	220	715.45	240	715.34	260	715.23	280
GR	715.13	300	715.02	320	715	340	715	460	714.67	480
GR	712.7	482	712.2	486	710	487	710	497	712.2	498
GR	712.7	505	714.67	507	714.92	520	715	540	715	720
GR	715.39	740	715.74	760	716.61	780	719.74	800	724.76	820
GR	726	840								

X1	103	43	403	426	127	107	117			
X3				259	720	542	720			
GR	725.1		719.97	20	717.86	40	717.17	60	716.65	80
GR	716.23	100	716	120	715.91	140	715.78	160	715.65	180
GR	715.52	200	715.41	220	715.37	240	715.17	260	715	280
GR	715.11	300	715.28	320	715.45	340	715.61	360	715.56	380
GR	714.59	400	714.2	403	713.7	407	710.05	408	710.05	418
GR	713.7	419	714.2	426	716.2	440	716.67	460	715.87	480
GR	715	500	715	600	715.19	620	715.46	640	715.76	660
GR	716.55	680	716.57	700	716.93	720	720.37	740	723.99	760
GR	725.91	780	725.59	800	725.76	807.48				

X1	104	12	323	365	66	62	64			
X3				259	720	419	720			
GR	718.6		716.6	51	714.6	323	712.6	332	712.3	337
GR	710.1	338	710.1	350	712.3	351	712.6	358	714.6	365
GR	716.6	680	718.6	1012						

QT	7	181	277	345	435	502	578	757		
X1	104.3	36	379.7	420.3	50	50	50			
X3	10							717.9	717.6	
GR	718.6	74	717	100	716.6	106	716.5	150	716.4	200
GR	716.2	300	716.2	350	716.1	359.4	716.1	359.5	716.1	367
GR	713.7	375	711.8	379.7	711.8	379.8	711.7	386	711	393
GR	712.1	400	712.3	404	712.1	407	711.7	412	710.2	412.1

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GR	710.3	416	710.5	420.2	710.5	420.3	711.9	429	716.2	436
GR	716.2	440.4	716.2	440.5	716.2	450	716.3	500	716.4	600
GR	716.6	700	716.6	736	717	800	717.6	900	718.2	1000
GR	718.6	1068								

WEST BRADLEY ROAD (added points to square up top of bridge opening)

SB		1.56	3.0		12		255.3	2.72		
X1	104.6				44	44	44			
X2			1	717.9	718.4					
X3	10							720.3	718.4	
BT	-29	74	725	718	100	724	717	106	724.7	716.6
BT		150	722.4	716.5	200	721.1	716.4	300	720.3	716.2
BT		350	720.6	716.2	359.4	720.7	716.1	359.5	721.6	716.1
BT		367	721.6	716.1	375	721.5	713.7	379.7	721.5	711.8
BT		379.8	721.5	717.9	400	721.3	717.7	420.2	721.2	717.6
BT		420.3	721.2	710.5	429	721.1	711.9	436	721.1	716.2
BT		440.4	721.1	716.2	440.5	720.2	716.2	450	720	716.2
BT		500	719.7	716.3	600	718.4	716.4	700	718.6	716.6
BT		736	718.7	716.6	800	719	717	900	719.5	717.6
BT		1000	719.6	718.2	1068	721.1	718.6			

X1	105	17	251	300	49	43	45			
X3	10							720.3	718.4	
GR	718.6		716.6	50	716.6	251	714.6	254	712.6	265
GR	712.4	267	710.2	268	710.2	281	712.3	282	712.6	291
GR	714.6	300	716.6	679	718.6	795	718.6	845	716.6	847
GR	716.6	852	718.6	860						

X1	106	13	275	320	265	330	297			
X3	10							720.3	718.4	
GR	718.6		716.6	53	714.6	275	712.6	279	712.3	282
GR	710.7	283	710.7	302	712.3	303	712.6	306	714.6	312
GR	716.6	320	716.6	785	718.6	1060				

X1	106.3	21	273	327	40	40	40			
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X3	10							720.9	720.7	
GR	718.6		718.1	100	717.5	200	717.3	250	717.2	273
GR	713.8	282	711.4	286	710.9	293	711.6	300	712.6	307
GR	714.1	314	715.7	327	715.9	350	715.9	400	716.1	500
GR	716.2	600	716.4	700	716.6	800	717.4	900	718.1	1000
GR	718.6	1067								

RAILROAD BRIDGE

SB	1.25	1.56	3.0			21		357	1.74	
X1	106.6					15		15		
X2			1	720.9		723				
X3	10							724.3	723	
BT	-15		725.6	718.6	100	725	718.1	200	724.5	717.5
BT		250	724.3	717.3	273	724.3	720.9	327	724.1	720.7
BT		350	724	715.7	400	723.8	715.9	500	723.4	716.1
BT		600	723.1	716.2	700	723	716.4	800	723	716.6

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BT		900	723.2	717.4	1000	723.2	718.1	1067	723.2	718.6
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X1	107	17	100	133	15	15	15			
X3				75	720					
GR	722.79		720.59	20	719.04	33.66	719.18	40	719.41	60
GR	718.5	80	715	100	712.8	101	712.5	104	710.9	105
GR	710.9	124	712.5	125	712.8	128	715	133	715	140
GR	722.39	160	722	175.44						

NC	0.07	0.07	0.035							
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X1	109	22	144	188	50	30	40			
X3				116	720					
GR	722.47		721.41	20	720.51	40	719.6	60	719	80
GR	719	100	719	107.84	719	120	716.08	140	715	144
GR	712.7	149	712.1	150	710.9	151	710.9	179	712.1	180
GR	712.7	183	715	188	715.96	193.72	715.74	200	717.19	220
GR	722	240	720.63	256.5						

X1	110	20	160	211	63	23	43			
GR	724.16		722.89	20	721.76	40	720.49	60	719.37	80
GR	718.62	100	718.98	120	718.63	140	715	160	712.6	166
GR	712.1	169	710.9	170	710.9	196	712.1	197	712.6	206
GR	715	211	715	220	720.73	240	721.97	260	721.8	262.95

X1	111	20	152	202	55	55	55			
GR	724.46		722.94	20	721.66	40	720.43	60	719.26	80
GR	718	100	718	120	717.64	140	715	152	712.6	157
GR	712.1	160	710.9	161	710.9	193	712.1	194	712.6	197
GR	715	202	715	240	717.26	260	721.26	280	720.45	292.91

X1	112	21	180	227	62	52	52			
GR	725.79		723.24	20	721.39	40	720.53	60	719.63	80
GR	718.22	100	717.84	120	717.47	140	717.1	160	715.76	180
GR	712.6	182	712.1	185	710.9	186	710.9	212	712.1	213
GR	712.6	222	715	227	715	260	716.83	280	720.84	300
GR	720.72	306.61								

X1	113	23	200	246	64	64	64			
GR	729		727.56	20	722.85	40	721.09	60	719.7	80
GR	718.48	100	717.63	120	717.72	140	717.84	160	716.67	180
GR	715	200	712.7	201	712.2	204	710.9	205	710.9	231
GR	712.2	232	712.7	241	715	246	715	300	716.9	320
GR	721.59	340	719.77	360	719.24	363.24				

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NC				0.1	0.3					
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X1	114	25	237	287	144	144	144			
GR	726.75		726.57	20	726.47	40	726.39	60	725.61	80
GR	721.81	100	718.8	120	717.61	140	716.98	160	716.66	180
GR	716.35	200	716.03	220	715	237	712.7	242	712.2	245
GR	711	246	711	272	712.2	273	712.7	282	715	287
GR	715	380	715.04	400	715.87	420	717.71	440	717.68	446.24

X1	115	30	233	280	135	135	135			
GR	729.91		724.98	20	724.78	40	724.96	60	725	80
GR	723.5	100	720.2	120	717.3	140	716.75	160	716.34	180
GR	715.85	200	715.12	220	715	233	712.7	238	712.2	241

NC	0.16	0.16	0.035							
X1	125	16	390	422	190	190	190			
GR	722.6		720.6	55	718.6	93	716.6	152	716.6	390
GR	714.6	396	714.2	403	711.8	404	711.8	407	714.2	408
GR	714.6	412	716.6	422	716.6	505	718.6	596	720.6	620
GR	722.6	627								
X1	126	32	320	340	204	204	204			
GR	717.94		717.74	20	717.54	40	717.33	60	717.15	80
GR	717	100	717	140	716.81	160	716.49	180	716.35	200
GR	716.21	220	716.07	240	716	260	716	320	714.7	321
GR	714.3	328	711.9	329	711.9	332	714.3	333	714.7	337
GR	716	340	716	563.03	717.42	580	719.24	600	718.46	620
GR	718.75	640	719.97	660	720.88	680	722.31	700	724.17	720
GR	727.77	740	731.87	760						
X1	127	37	625	634	197	197	197			
GR	720.77		720.09	20	719.05	40	718.56	60	718.04	80
GR	717.55	100	717.28	120	717.18	140	717.07	160	717	180
GR	717	220	716.96	240	716.84	260	716.73	280	716.63	300
GR	716.51	320	716.4	340	716.29	360	716.18	380	716.07	400
GR	716	420	716	600	714.9	618	714.5	625	712.1	626
GR	712.1	629	714.5	630	714.9	634	716.28	640	718.55	660
GR	718	680	718	700	720.04	720	721.78	740	723.63	760
GR	726.12	780	729.28	800						
X1	128	14	942	965	202	202	202			
GR	720.6		718.6	112	716.6	357	716.6	650	714.6	879
GR	714.6	942	713	948	712.1	949	712.1	956	713	957
GR	714.6	965	716.6	1003	718.6	1052	720.6	1075		
X1	129	35	480	503	285	285	285			
GR	732.11		731.5	20	730.72	40	729.45	60	727.86	80
GR	724.53	100	719.8	120	718.02	140	717.27	160	716.66	180
GR	716.25	200	716	220	716.01	440	717	460	714.8	480
GR	713.2	486	712.3	487	712.3	494	713.2	495	714.8	503
GR	719.78	520	719.01	540	719	560	720.17	580	720.67	600
GR	721.22	620	721.92	640	722.65	660	723.41	680	724.1	700
GR	724.8	720	726.2	740	729.70	760	731.13	780	728	798.47
X1	130	18	390	430	266	266	266			
GR	722.6		720.6	60	718.6	95	716.6	140	716.6	367
GR	718.6	371	718.6	376	716.6	380	714.6	390	713.5	400
GR	712.3	401	712.3	411	713.6	412	714.6	430	716.6	465
GR	718.6	550	720.6	612	722.6	693				

X1	131	44	380	440	165	165	165			
GR	734.71		734.17	20	732.92	40	732.23	60	730.95	80
GR	726.71	100	723.45	120	722.22	140	721.5	160	721.56	180
GR	721.67	200	721.84	220	722	240	721.66	260	721.37	280
GR	720.47	300	717	320	717	360	716.1	380	714.7	392
GR	713.6	402	712.40	403	712.4	413	713.7	414	714.7	432
GR	717	440	717	580	717.12	600	717.44	620	717.99	640
GR	719	660	719.38	680	719.96	700	721.32	720	722.51	740
GR	723.62	760	724.76	780	732.54	800	730.32	820	730	840
GR	730.14	860	730.88	880	732.34	900	732.67	905.14		
X1	132	36	380	440	298	250	274			
GR	725.73	100	724.4	120	723.16	140	721.83	160	720.77	180
GR	720.21	200	719.62	220	719.12	240	718	260	718	360
GR	716.9	380	714.8	392	713.7	402	712.5	403	712.5	413
GR	713.8	414	714.8	432	716.91	440	716.41	460	716.53	480
GR	716.64	500	716.76	520	716.88	540	716.99	560	717	580
GR	717	640	717.11	660	717.73	680	718.29	700	718.71	720
GR	719.15	740	719.8	760	720.46	780	721.27	800	722.31	820
GR	724.13	840								
X1	133	15	287	302	180	180	180			
GR	724.6		722.6	22	720.6	60	718.6	110	716.6	165
GR	714.6	260	714.3	287	712.6	288	712.6	301	714.3	302

GR	714.6	317	716.6	425	718.6	598	720.6	627	722.6	695
X1	134	38	368	425	238	238	238			
GR	724.73	80	722.97	100	721.67	120	721.02	140	720.33	160
GR	719.19	180	717.36	200	716.73	220	716.36	240	716.04	260
GR	716	280	716	340	716.75	360	714.7	368	714.4	395
GR	712.7	396	712.7	409	714.4	410	714.7	425	717	440
GR	717.01	460	717.07	480	717.13	500	717.18	520	717.24	540
GR	717.3	560	717.36	580	717.48	600	717.68	620	717.87	640
GR	718	660	718.5	680	720.55	700	721.65	720	722	740
GR	722	800	722.6	820	724.38	840				

X1	135	19	438	452	302	302	302			
GR	724.6		722.6	17	720.6	67	718.6	91	716.6	157
GR	716.6	225	714.6	250	714.6	434	714.3	438	712.8	439
GR	712.8	451	714.3	452	714.6	461	716.6	625	716.6	660
GR	718.6	728	720.6	860	722.6	888	724.6	925		

NC				0.3	0.5					
X1	136	57	480	520	298	298	298			
X3				110	725	750	725			
GR	723.14		722.14	20	721.49	40	720.93	60	720.53	80
GR	720.14	100	719.51	120	719.01	140	718.71	160	718.43	180
GR	718.16	200	717.61	220	717	240	717	260	717.29	280

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GR	717	300	716.9	320	716.78	340	716.65	360	716.53	380
GR	716.4	400	716.27	420	716.13	440	716	460	716	480
GR	714.65	485	714.35	489	712.85	490	712.85	501	714.35	503
GR	714.65	512	716	520	716.73	540	716.97	560	717	580
GR	717.13	600	717.44	620	717.76	640	718.09	660	718.61	680
GR	719.17	700	719.93	720	720.49	740	721.18	760	721.79	780
GR	722.26	800	722.79	820	723.31	840	723.78	860	724.70	880
GR	725.26	900	725.68	920	726.31	940	727.12	960	727.93	980
GR	728.68	1000	730.06	1020						

X1	137	18	405	418	249	249	249			
X3				177	725	587	725			
GR	724.6		722.6	2	720.6	7	718.6	52	716.6	153
GR	716.6	348	714.6	402	714.2	405	712.9	406	712.9	417
GR	714.2	418	714.6	433	714.6	443	716.6	457	718.6	565
GR	720.6	692	722.6	774	724.6	825				

NC	0.07	0.07	0.035							
X1	138	37	356	387	136	136	136			
X3				192	725	482	725			
GR	720		726.98	20	728	40	723.01	60	719.55	80
GR	718.11	100	717	120	717	340	714.7	356	714.3	359
GR	712.96	360	712.96	371	714.3	372	714.7	387	717.14	400
GR	717.37	420	717.6	440	717.83	460	718.12	480	718.62	500
GR	719.08	520	719.46	540	719.89	560	720	580	720.07	600
GR	720.25	620	720.44	640	720.66	660	720.99	680	721.28	700
GR	721.61	720	721.94	740	722.34	760	722.76	780	723.4	800
GR	724.27	820	724.86	833.11						

X1	139	35	260	300	100	100	100			
X3				145	725	358	725			
GR	728		726.24	20	721.93	40	719.38	60	718.32	80
GR	717.23	93.49	717	100	717	260	714.7	264	714.3	267
GR	713.01	268	713.01	279	714.3	280	714.7	295	717	300
GR	717.63	320	718.08	340	718.29	360	718.49	380	718.67	400
GR	718.82	420	718.9	440	718.99	460	719	540	719.21	560
GR	719.85	580	720	600	720.14	620	720.42	640	720.76	660
GR	721.25	680	721.91	700	723.1	720	723.45	740	723.48	741.85

X1	140	47	229	280	56	76	66			
X3				124	725	319	725			
GR	727.33		725.04	20	720.84	40	718.89	60	717.71	80
GR	717	100	717	229	714.74	239	714.34	242	713.04	243
GR	713.04	254	714.34	255	714.74	270	717.09	280	717.92	300
GR	718.09	320	718.18	340	718.27	360	718.36	380	718.45	400
GR	718.54	420	718.63	440	718.72	460	718.82	480	718.91	500
GR	719.01	520	719.29	540	719.57	560	719.85	580	720.24	600
GR	720.74	620	721.48	640	722	660	722.03	680	722.38	700
GR	722.69	720	722.83	740	722.98	760	723.38	780	723.73	800
GR	724	820	724	840	724.43	860	724.97	880	725.41	900

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GR	725.84	920	726.04	929.13						
X1	141	52	220	260	53	73	63			
X3				190	725	294	725			
GR	726.52		723.16	20	720.19	40	717.67	60	717	80
GR	717.01	200	717.39	220	714.8	224	714.4	227	713.07	228
GR	713.07	239	714.4	240	714.8	255	717.77	260	718.01	280
GR	718.11	300	718.2	320	718.3	340	718.39	360	718.48	380
GR	718.57	400	718.66	420	718.75	440	718.84	460	718.94	480
GR	719.18	500	719.49	520	719.83	540	720.23	560	720.67	580
GR	721.16	600	721.67	620	722.14	640	722.51	660	722.88	680
GR	723.21	700	723.54	720	723.86	740	724.38	760	725	780
GR	725.04	800	725.25	820	725.46	840	725.67	860	725.91	880
GR	726.27	900	726.72	920	727.12	940	727.49	960	727.85	980
GR	728.24	1000	728.4	1007.67						

X1	142	14	585	627	51	71	61			
X3				566	725	642	725			
GR	722.6		720.6	5	718.6	40	716.6	225	714.6	585
GR	713.1	595	713.1	596	713.1	620	713.1	621	714.6	627
GR	716.6	988	718.6	1092	720.6	1345	722.6	1470		

X1	143	37	682.5	717.5	91	111	101			
X3	10							728.5	728.3	
GR	722.6	92	720.6	100	718.6	132	717.9	200	716.8	300
GR	716.6	317	716.5	400	716.5	500	716.4	600	716.4	650
GR	716.4	679.9	716.4	680	716.4	682.5	714.7	682.6	714.7	687.6
GR	713.7	687.7	713.8	694	713.5	700	713.2	706	713.7	712.2
GR	715.2	712.3	717.4	717.4	717.4	717.5	717.4	720	717.4	720.1
GR	717.5	750	717.6	800	717.9	900	718.1	1000	718.4	1100
GR	718.6	1185	718.7	1200	719.5	1300	720.3	1400	720.6	1437
GR	721.6	1500	722.6	1562						

TWIN RAILROAD BRIDGE (piers not included in FIS HEC-2 model)

SB	0.9	1.56	3.0		30	3	402.4	0.2		
X1	144				23.5	23.5	23.5			
X2			1	725.5	728.3					
X3	10							728.5	728.3	
BT	-30	92	732.7	722.6	100	730.6	720.6	132	730.4	718.6
BT		200	729.9	717.9	300	729.4	716.8	317	729.4	716.6
BT		400	729.1	716.5	500	728.8	716.5	600	728.6	716.4
BT		650	728.5	716.4	679.9	728.5	716.4	680	729.5	716.4
BT		682.5	729.5	716.4	682.6	729.5	725.5	717.4	729.5	725.5
BT		717.5	729.5	717.4	720	729.5	717.4	720.1	728.5	717.4
BT		750	728.4	717.5	800	728.3	717.6	900	728.3	717.9
BT		1000	728.3	718.1	1100	728.4	718.4	1185	728.6	718.6
BT		1200	728.6	718.7	1300	729	719.5	1400	729.6	720.3
BT		1437	729.8	720.6	1500	730.1	721.6	1562	730.4	722.6

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X1	145	17	466	542	50	50	50			
X3	10							723.1	723.1	
GR	724.6	40	722.6	60	720.6	105	718.6	135	716.6	206
GR	714.6	354	713.5	466	712.2	487	712.2	513	714.2	536
GR	714.6	542	714.6	946	716.6	1168	718.6	1186	720.6	1525
GR	722.6	1668	724.6	1970						

BROWN DEER ROAD (box culvert modeled as special bridge in FIS HEC-2 model)

SC	2.013	0.2	3.0	280	13	12.5	180.5	9.1		
X1	146.0				180.5	180.5	180.5			
X2			2	718.8	723.1					
X3	10							723.1	723.1	

X1	147	17	425	502	60	75	60			
X3				391	725	665	725			
GR	724.6		722.6	20	720.6	64	718.6	95	716.6	165
GR	714.6	314	713.5	425	712.1	426	712.1	495	714.2	496
GR	714.6	502	714.6	905	716.6	1128	718.6	1245	720.6	1485
GR	722.6	1629	724.6	1930						

X1	147.5				290	295	290		0.05	
NC				0.1	0.3					
X1	148	18	378	535	290	295	290			
GR	724.6		722.6	23	720.6	55	718.6	85	716.6	115

GR	714.6	155	713.4	378	712.2	379	712.2	534	713	535
GR	714.6	989	714.6	1097	716.6	1113	716.6	1178	718.6	1445
GR	720.6	1710	722.6	1875	724.6	1962				

X1	149	15	533	625	640	635	635			
GR	724.6		722.6	35	720.6	75	718.6	125	716.6	197
GR	714.6	225	713	533	712.3	534	712.3	624	713	625
GR	714.6	1221	714.6	1265	716.6	2010	718.6	2234	720.6	2322

T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q2 DISCHARGE

J1 2 -1 697

J2 1 -1

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T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q5 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3					-1		698.3	

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		2	-1							

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T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q10 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4					-1		699.85	

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		3	-1							

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T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q25 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		5					-1		700.45	

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		4	-1							

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T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q50 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		6					-1		701.25	

J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
		5	-1							

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T1 LITTLE MEMOMONEE RIVER PROFILES - CITY OF MILWAUKEE FIS

T2 MOSS AMERICAN RECHANNELING PROJECT

T3 LITTLE MEMOMONEE Q100 DISCHARGE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
----	--------	-----	------	------	------	--------	-------	---	------	----

7 -1 701.9
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 6 -1

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T1 LITTLE MEMONONEE RIVER PROFILES - CITY OF MILWAUKEE FIS
 T2 MOSS AMERICAN RECHANNELING PROJECT
 T3 LITTLE MEMONONEE Q500 DISCHARGE

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 8 -1 703.8

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 7 -1

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THIS RUN EXECUTED 30SEP93 09:23:13

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.2; May 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

LITTLE MEMONONEE
 SUMMARY PRINTOUT

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
1.000	697.00	2.48	579.19	7.32	.64	6.69	.64	.00	284.75	337.25
1.000	698.30	18.92	719.26	55.81	.92	6.24	.93	.00	274.45	367.32
1.000	699.85	51.67	710.79	182.55	.88	4.76	.80	.00	261.28	460.00
1.000	700.45	78.23	798.16	283.61	.84	4.91	.90	.00	192.50	460.00
1.000	701.25	134.12	805.65	390.22	.71	4.47	.90	.00	170.00	460.00
1.000	701.90	195.40	830.58	484.02	.73	4.27	.92	.00	170.00	460.00
1.000	703.80	383.45	878.18	728.38	.76	3.72	.91	.00	170.00	460.00
* 2.000	697.95	.04	586.07	2.90	.08	1.15	.14	6.49	381.00	531.00
* 2.000	699.05	1.00	782.77	10.23	.06	1.21	.21	5.58	320.00	531.00
* 2.000	700.21	12.84	914.04	18.12	.15	1.16	.23	4.28	320.00	531.00
* 2.000	700.80	23.90	1111.06	25.04	.19	1.29	.27	3.98	320.00	531.00
* 2.000	701.51	37.87	1260.31	31.83	.23	1.33	.29	3.51	320.00	531.00
* 2.000	702.11	52.27	1419.13	38.60	.25	1.38	.31	3.21	320.00	531.00
* 2.000	703.92	98.93	1833.40	57.67	.31	1.47	.34	2.64	320.00	531.00
* 3.000	697.94	.00	589.00	.00	.00	2.23	.00	.40	44.15	135.90
* 3.000	699.04	.00	794.00	.00	.00	2.13	.00	.43	37.73	142.34
* 3.000	700.21	.00	945.00	.00	.00	1.88	.00	.46	30.96	149.13
* 3.000	700.80	.00	1160.00	.00	.00	2.02	.00	.48	28.10	152.00
* 3.000	701.50	.00	1330.00	.00	.00	2.01	.00	.51	28.08	152.02
* 3.000	702.10	.00	1510.00	.00	.00	2.05	.00	.52	28.06	152.04
* 3.000	703.91	.00	1990.00	.00	.00	2.07	.00	.57	28.01	152.09
4.000	697.95	.00	589.00	.00	.00	2.23	.00	1.00	44.12	135.94
4.000	699.05	.00	794.00	.00	.00	2.13	.00	1.00	37.71	142.37
4.000	700.21	.00	945.00	.00	.00	1.88	.00	1.00	30.95	149.14
4.000	700.80	.00	1160.00	.00	.00	2.02	.00	1.00	28.10	152.00
4.000	701.50	.00	1330.00	.00	.00	2.01	.00	1.00	28.08	152.02
4.000	702.11	.00	1510.00	.00	.00	2.05	.00	1.00	28.06	152.04
4.000	703.91	.00	1990.00	.00	.00	2.07	.00	1.00	28.01	152.09

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 5.000	697.59	2.00	585.91	1.09	.59	7.89	.59	.30	385.26	424.64
* 5.000	698.72	26.48	753.08	14.44	.96	7.61	.95	.31	364.28	436.11
* 5.000	700.05	132.24	763.15	49.61	.83	5.95	1.07	.37	221.31	444.00
* 5.000	700.67	254.69	832.52	72.79	.90	5.87	1.17	.40	174.09	444.00

*	5.000	701.43	415.47	822.50	92.02	.88	5.19	1.13	.45	127.64	444.00
*	5.000	702.06	572.60	829.71	107.68	.88	4.81	1.10	.49	97.06	444.00
*	5.000	703.91	1031.67	817.99	140.34	.83	3.84	.97	.61	66.00	444.00
*	6.000	698.74	57.81	420.54	110.65	.56	4.39	.63	2.14	118.27	427.00
*	6.000	699.72	148.23	411.80	233.97	.61	3.51	.69	2.44	77.59	427.00
*	6.000	700.56	227.70	399.59	317.72	.60	2.94	.66	2.12	75.00	427.00
*	6.000	701.11	307.80	443.39	408.81	.65	2.99	.71	2.03	75.00	427.00
*	6.000	701.72	380.40	463.96	485.64	.67	2.87	.72	1.84	75.00	427.00
*	6.000	702.28	454.20	491.56	564.24	.69	2.83	.73	1.72	75.00	427.00
*	6.000	704.01	659.66	554.89	775.45	.70	2.62	.73	1.47	75.00	427.00
	7.000	698.96	36.69	379.85	172.45	.54	3.90	.60	1.15	121.05	464.00
	7.000	699.82	79.25	386.67	328.08	.61	3.33	.65	1.05	113.73	464.00
	7.000	700.62	115.54	381.79	447.67	.59	2.85	.64	1.02	107.59	464.00
	7.000	701.17	154.92	425.01	580.07	.64	2.92	.69	1.02	103.41	464.00
	7.000	701.77	191.43	446.03	692.54	.65	2.81	.70	1.02	95.77	464.00
	7.000	702.32	230.81	472.71	806.48	.66	2.76	.71	1.02	80.80	464.00
	7.000	704.04	359.90	527.78	1102.32	.62	2.52	.70	1.03	36.45	464.00
	8.000	699.10	18.21	385.71	185.07	.57	3.90	.57	1.01	213.48	568.87
	8.000	699.90	40.78	395.84	357.38	.55	3.41	.64	.98	180.40	570.00
	8.000	700.67	69.09	385.04	490.86	.51	2.89	.62	.99	157.31	570.00
	8.000	701.21	101.98	422.01	636.01	.54	2.91	.67	1.00	146.67	570.00
	8.000	701.81	136.78	436.37	756.85	.54	2.76	.67	1.01	135.89	570.00
	8.000	702.36	174.51	456.97	878.52	.55	2.69	.68	1.03	126.95	570.00
	8.000	704.06	296.34	498.76	1194.90	.54	2.40	.66	1.05	104.02	570.00
	9.000	699.26	12.93	398.50	177.56	.50	3.44	.55	1.13	135.92	474.30
	9.000	699.98	33.55	436.11	324.35	.47	3.22	.62	1.05	94.88	487.16
	9.000	700.72	64.86	435.08	445.06	.45	2.80	.61	1.02	71.03	495.78
	9.000	701.26	100.84	480.22	578.94	.49	2.83	.65	1.02	59.09	503.79
	9.000	701.84	139.49	498.63	691.88	.50	2.68	.65	1.02	52.06	516.40
	9.000	702.39	179.99	522.84	807.17	.52	2.61	.65	1.03	45.53	529.00
	9.000	704.08	305.18	569.96	1114.86	.52	2.31	.62	1.04	29.94	529.00
*	9.500	699.49	119.97	192.75	276.28	.32	1.59	.31	2.25	374.36	1184.42
*	9.500	700.15	173.97	208.73	411.29	.33	1.50	.32	2.21	353.84	1206.27
*	9.500	700.83	217.09	210.13	517.77	.31	1.33	.31	2.14	337.01	1236.31
*	9.500	701.36	273.95	232.03	654.03	.33	1.35	.32	2.13	330.12	1271.52
*	9.500	701.93	320.83	241.73	767.43	.32	1.29	.32	2.11	322.66	1309.73
*	9.500	702.46	369.41	254.45	886.15	.32	1.26	.32	2.09	315.73	1345.14
*	9.500	704.13	498.30	278.57	1213.13	.31	1.13	.30	2.07	302.50	1377.53

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	SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
*	9.600	699.53	4.59	347.99	236.42	.34	2.47	.40	.61	261.05	883.33
*	9.600	700.18	11.03	371.05	411.93	.29	2.27	.43	.63	206.56	898.48
*	9.600	700.85	26.15	362.82	556.03	.26	1.95	.41	.66	156.15	913.83
*	9.600	701.38	47.84	391.78	720.37	.28	1.92	.43	.68	123.69	926.32
*	9.600	701.94	75.11	399.94	854.95	.28	1.79	.42	.69	90.79	940.10
	9.600	702.47	106.65	413.18	990.17	.29	1.71	.42	.71	74.83	959.45
	9.600	704.14	212.30	433.62	1344.08	.29	1.46	.38	.76	48.20	1051.92
*	10.000	699.65	216.71	162.58	209.71	.26	1.30	.30	2.12	317.00	1120.27
*	10.000	700.27	318.97	186.74	288.28	.29	1.32	.31	1.88	293.20	1165.12
*	10.000	700.91	400.64	193.76	350.60	.28	1.23	.30	1.72	268.88	1207.57
*	10.000	701.43	505.76	216.16	438.09	.30	1.26	.31	1.64	249.59	1238.09
*	10.000	701.98	591.96	227.29	510.74	.30	1.22	.31	1.56	229.23	1270.27
*	10.000	702.51	681.65	240.05	588.30	.30	1.20	.30	1.51	209.72	1301.12
*	10.000	704.16	918.34	262.15	809.51	.29	1.08	.28	1.41	140.84	1386.54
*	10.500	699.68	231.29	266.46	91.25	.35	1.86	.36	.65	189.64	829.00
*	10.500	700.30	359.37	298.16	136.47	.38	1.82	.39	.68	127.29	851.18
	10.500	700.93	469.54	303.39	172.06	.36	1.64	.37	.71	82.44	863.66
	10.500	701.45	607.37	334.89	217.74	.38	1.66	.39	.72	64.67	875.17
	10.500	702.00	725.44	348.67	255.88	.37	1.59	.39	.74	50.33	888.01
	10.500	702.52	847.61	366.19	296.19	.38	1.54	.38	.75	37.55	900.45
	10.500	704.16	1180.05	399.47	410.47	.36	1.37	.36	.76	.00	935.81
*	11.000	699.72	98.73	456.54	33.73	.42	3.70	.49	.47	595.67	1127.00
*	11.000	700.34	254.88	467.95	71.17	.47	3.29	.51	.52	483.01	1178.66
*	11.000	700.96	405.15	433.19	106.66	.46	2.68	.48	.57	464.46	1191.02
*	11.000	701.48	564.39	449.25	146.37	.48	2.53	.49	.62	449.40	1201.38
*	11.000	702.02	702.53	445.76	181.71	.47	2.29	.47	.65	433.83	1212.31
*	11.000	702.54	840.48	451.49	218.03	.47	2.14	.46	.68	428.10	1222.74
*	11.000	704.18	1209.32	459.01	321.66	.43	1.76	.41	.74	340.52	1255.48
*	11.500	700.07	170.34	337.31	81.35	.38	2.53	.57	1.55	235.58	857.59
	11.500	700.56	298.07	379.74	116.19	.44	2.55	.54	1.33	206.75	866.88
	11.500	701.09	414.62	383.62	146.76	.44	2.33	.50	1.18	149.97	874.96
	11.500	701.58	560.03	412.03	187.94	.46	2.29	.50	1.12	111.35	884.13
	11.500	702.09	688.87	418.05	223.08	.45	2.13	.48	1.09	71.48	897.08
	11.500	702.60	821.35	428.51	260.14	.45	2.03	.47	1.07	52.44	909.18

11.500	704.21	1184.50	439.11	366.39	.41	1.68	.41	1.05	10.03	942.66
12.000	700.19	151.51	423.62	13.88	.35	2.50	.28	1.03	763.91	1384.16
12.000	700.68	269.57	484.31	40.12	.42	2.57	.29	1.01	724.05	1424.69
12.000	701.17	376.69	491.78	76.53	.43	2.36	.32	1.00	692.43	1435.47
12.000	701.65	509.29	527.28	123.43	.45	2.32	.36	1.00	661.11	1446.15
12.000	702.15	624.11	536.20	169.69	.45	2.16	.37	1.00	628.62	1457.24
12.000	702.64	742.18	550.11	217.71	.44	2.06	.38	1.00	598.90	1467.98
12.000	704.23	1067.84	562.98	359.18	.41	1.70	.36	1.00	563.30	1499.62

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
13.000	700.26	192.56	366.98	29.46	.36	2.08	.28	1.09	185.86	807.14
13.000	700.74	311.21	423.25	59.54	.42	2.12	.34	1.11	169.15	823.85
13.000	701.21	410.50	445.12	89.38	.43	2.01	.36	1.08	153.02	840.98
13.000	701.68	539.38	491.39	129.23	.46	2.01	.39	1.06	136.47	859.89
13.000	702.17	648.69	513.45	167.85	.45	1.92	.39	1.05	120.92	879.53
13.000	702.66	761.61	538.08	210.31	.45	1.85	.39	1.04	108.61	899.23
13.000	704.24	1064.78	582.95	342.27	.42	1.59	.37	1.01	38.25	931.53
* 13.500	700.26	216.65	371.39	.96	.70	2.43	.21	.38	185.87	807.13
* 13.500	700.74	399.83	380.89	13.28	.76	2.17	.41	.44	169.15	823.85
* 13.500	701.22	545.38	364.08	35.53	.73	1.84	.43	.49	152.49	841.58
* 13.500	701.69	714.03	374.03	71.95	.73	1.69	.49	.54	135.98	860.46
13.500	702.17	649.53	512.00	168.46	.45	1.91	.39	1.01	120.52	880.17
13.500	702.66	762.19	537.00	210.81	.45	1.84	.39	1.01	108.27	899.76
13.500	704.24	1065.02	582.44	342.55	.42	1.58	.37	1.00	37.82	931.65
* 14.000	700.29	71.08	504.43	13.49	.51	3.41	.47	1.72	159.07	762.26
* 14.000	700.75	171.22	588.83	33.95	.47	3.57	.45	1.43	148.18	785.75
14.000	701.22	292.38	591.09	61.53	.49	3.25	.46	1.31	136.88	806.22
14.000	701.69	440.99	620.05	98.97	.53	3.12	.49	1.24	124.94	829.46
* 14.000	702.17	574.71	618.13	137.16	.53	2.86	.48	.69	110.93	850.62
14.000	702.66	709.90	620.33	179.76	.53	2.65	.48	.71	94.89	878.62
14.000	704.24	1067.03	604.32	318.66	.48	2.08	.42	.78	39.51	929.73
* 14.500	700.56	290.52	271.23	27.25	.38	2.10	.27	1.69	108.02	765.73
* 14.500	701.01	434.14	307.75	52.11	.43	2.17	.33	1.70	102.92	777.45
* 14.500	701.41	546.40	322.76	75.83	.45	2.11	.36	1.57	97.69	795.23
* 14.500	701.85	697.17	353.77	109.06	.48	2.15	.39	1.47	90.86	817.00
14.500	702.28	820.48	367.26	142.25	.49	2.07	.40	1.38	83.82	831.06
14.500	702.75	948.98	380.98	180.04	.49	2.00	.40	1.32	59.63	844.78
14.500	704.28	1288.95	400.52	300.53	.46	1.72	.39	1.20	27.87	882.61
15.000	700.62	292.88	249.59	46.53	.36	1.85	.32	1.19	1002.96	1608.60
15.000	701.07	426.44	293.57	73.99	.42	1.99	.36	1.14	981.50	1621.13
15.000	701.46	530.85	315.66	98.49	.44	1.99	.38	1.10	962.78	1632.05
15.000	701.89	675.21	351.44	133.35	.47	2.06	.41	1.08	942.01	1644.16
15.000	702.32	794.70	369.81	165.49	.48	2.02	.42	1.06	921.03	1656.40
15.000	702.78	920.97	387.51	201.52	.48	1.98	.42	1.05	901.01	1670.34
15.000	704.30	1261.83	412.92	315.25	.45	1.73	.39	1.02	844.23	1721.82
15.500	700.69	278.30	300.96	9.74	.43	2.31	.26	.76	252.92	761.10
15.500	701.14	418.32	352.70	22.98	.50	2.47	.33	.77	240.20	768.32
15.500	701.52	529.13	378.99	36.87	.53	2.46	.37	.78	224.73	774.46
15.500	701.95	681.57	421.02	57.41	.57	2.53	.42	.78	205.07	785.35
15.500	702.37	808.20	443.06	78.74	.58	2.48	.43	.78	171.58	813.63
15.500	702.83	942.22	462.44	105.34	.58	2.41	.43	.79	127.43	836.29
15.500	704.32	1305.14	482.17	202.69	.52	2.05	.41	.82	27.10	876.77

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
16.000	700.84	237.32	278.08	73.60	.50	1.74	.63	.71	1104.94	1655.48
16.000	701.29	373.43	317.77	102.81	.56	1.76	.65	.77	1075.71	1665.44
16.000	701.65	481.29	338.07	125.64	.58	1.71	.64	.80	1051.56	1673.67
16.000	702.07	629.31	372.25	158.44	.61	1.71	.65	.83	1023.74	1683.16
16.000	702.48	753.45	390.70	185.85	.61	1.65	.64	.85	997.12	1692.23
16.000	702.91	886.77	406.81	216.42	.60	1.58	.62	.87	975.46	1707.91
16.000	704.37	1249.47	430.28	310.25	.54	1.32	.52	.90	913.23	1767.25
* 16.500	701.09	12.18	532.65	44.17	.26	3.22	.52	.62	260.44	839.56
* 16.500	701.50	89.61	594.96	109.44	.46	3.27	.63	.61	231.07	874.94
* 16.500	701.84	177.03	597.98	169.99	.55	3.06	.67	.62	211.46	901.61
* 16.500	702.24	299.06	607.21	253.73	.62	2.87	.70	.65	198.79	922.31
* 16.500	702.61	407.51	595.43	327.07	.64	2.63	.69	.68	186.54	936.84
16.500	703.02	522.14	582.72	405.14	.64	2.40	.68	.71	153.90	951.12
16.500	704.42	845.98	527.62	616.40	.56	1.77	.59	.79	52.67	983.87
* 17.000	701.48	205.02	259.76	124.22	.62	2.06	.38	1.85	1221.85	1824.66
* 17.000	701.87	278.52	294.05	221.43	.67	2.17	.46	1.75	1193.55	1843.33

*	17.000	702.15	332.37	313.47	299.16	.69	2.21	.51	1.59	1173.77	1856.38
*	17.000	702.49	409.24	338.90	411.86	.71	2.25	.56	1.44	1148.56	1873.01
	17.000	702.82	472.40	347.93	509.67	.70	2.20	.58	1.34	1119.39	1888.64
	17.000	703.19	541.61	352.23	616.16	.68	2.11	.59	1.26	1083.11	1906.50
	17.000	704.50	742.91	335.82	911.27	.56	1.69	.54	1.13	954.71	1969.73
	17.500	701.65	97.01	350.78	141.21	.34	2.18	.62	.94	263.71	955.99
	17.500	702.04	196.55	392.64	204.80	.43	2.27	.62	.95	247.80	1004.38
	17.500	702.31	276.50	413.19	255.31	.48	2.28	.63	.96	237.41	1018.92
	17.500	702.65	391.46	439.05	329.48	.53	2.29	.64	.98	224.70	1034.68
	17.500	702.96	489.90	448.16	391.94	.56	2.23	.64	.98	213.33	1048.27
	17.500	703.31	597.26	452.14	460.61	.57	2.13	.63	.98	200.43	1063.57
	17.500	704.56	902.62	426.66	660.72	.53	1.70	.55	.99	145.89	1129.36
*	18.000	701.76	1.23	259.06	328.71	.19	1.49	.36	2.34	1184.52	1702.74
*	18.000	702.14	1.97	316.05	475.98	.23	1.70	.43	2.14	1183.37	1711.00
*	18.000	702.41	2.61	353.86	588.53	.25	1.82	.47	2.00	1182.57	1711.00
*	18.000	702.75	6.00	404.20	749.79	.11	1.97	.53	1.85	897.23	1711.00
*	18.000	703.04	19.71	434.57	875.72	.14	2.02	.56	1.75	879.39	1711.00
*	18.000	703.38	44.23	459.96	1005.81	.18	2.04	.59	1.66	859.18	1711.00
*	18.000	704.60	170.90	488.12	1330.98	.24	1.84	.58	1.45	786.09	1711.00
	19.000	701.80	55.40	347.32	186.28	.31	2.10	.40	.70	312.69	911.44
	19.000	702.20	88.89	407.84	297.27	.37	2.29	.47	.73	291.03	939.70
	19.000	702.46	115.82	444.70	384.47	.40	2.38	.51	.76	276.94	947.00
	19.000	702.81	156.23	492.65	511.12	.43	2.49	.56	.78	260.65	947.00
	19.000	703.10	191.77	521.04	617.19	.45	2.51	.59	.80	247.12	947.00
	19.000	703.44	232.47	544.89	732.64	.46	2.50	.61	.81	232.30	947.00
	19.000	704.64	365.68	566.62	1057.70	.45	2.21	.61	.83	184.11	947.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
19.500	701.88	39.42	299.12	250.46	.32	2.04	.46	.93	215.67	739.00	
19.500	702.28	65.02	353.22	375.76	.37	2.21	.54	.94	189.40	739.00	
19.500	702.55	86.65	388.67	469.68	.40	2.31	.59	.94	172.57	739.00	
19.500	702.89	120.47	436.31	603.23	.44	2.44	.65	.94	155.02	739.00	
19.500	703.19	151.31	467.35	711.34	.46	2.48	.69	.93	144.20	739.00	
19.500	703.51	187.18	496.50	826.32	.48	2.50	.72	.92	135.32	739.00	
19.500	704.68	309.90	539.60	1140.50	.48	2.29	.72	.89	105.00	739.00	
20.000	701.97	52.79	301.29	234.91	.33	2.10	.50	.96	179.42	651.00	
20.000	702.37	88.10	359.54	346.36	.40	2.30	.59	.95	174.98	651.00	
20.000	702.64	116.58	398.81	429.61	.44	2.42	.65	.95	172.01	651.00	
20.000	702.99	159.11	452.42	548.47	.49	2.57	.72	.94	168.24	651.00	
20.000	703.27	195.86	489.36	644.78	.53	2.64	.76	.93	165.06	651.00	
20.000	703.60	237.33	524.47	748.19	.56	2.68	.80	.93	161.54	651.00	
20.000	704.74	368.29	588.78	1032.93	.58	2.54	.82	.89	147.39	651.00	
21.000	702.00	56.10	336.43	196.46	.39	2.36	.54	.89	179.49	562.00	
21.000	702.40	91.38	405.79	296.83	.47	2.61	.65	.88	175.39	562.00	
21.000	702.67	119.62	452.73	372.65	.52	2.76	.72	.87	172.65	562.00	
21.000	703.02	161.68	516.73	481.59	.59	2.95	.81	.87	169.17	562.00	
21.000	703.31	197.81	561.46	570.74	.63	3.04	.87	.87	166.26	562.00	
21.000	703.63	238.45	604.38	667.17	.66	3.10	.92	.86	163.03	562.00	
21.000	704.76	365.99	686.38	937.63	.69	2.97	.95	.85	151.69	562.00	
22.000	702.04	53.78	379.22	156.00	.48	2.69	.60	.87	167.97	456.00	
22.000	702.44	85.06	464.82	244.12	.58	3.02	.74	.86	161.49	456.00	
22.000	702.71	110.18	523.08	311.75	.64	3.21	.82	.85	157.06	456.00	
22.000	703.06	147.90	602.37	409.73	.72	3.46	.93	.85	151.33	456.00	
22.000	703.35	180.39	658.72	490.89	.77	3.60	1.01	.84	146.57	456.00	
22.000	703.66	217.20	713.41	579.39	.81	3.69	1.07	.84	141.32	456.00	
22.000	704.78	336.39	821.93	831.68	.84	3.59	1.13	.82	122.82	456.00	
*	23.000	702.07	62.59	425.79	100.62	.72	3.86	.87	191.03	387.00	
*	23.000	702.47	98.96	529.12	165.93	.88	4.42	1.05	184.53	387.00	
*	23.000	702.74	128.09	597.49	219.42	.97	4.73	1.17	180.11	387.00	
*	23.000	703.09	172.53	688.46	299.01	1.09	5.12	1.33	175.95	387.00	
*	23.000	703.37	210.79	752.24	366.96	1.17	5.32	1.43	172.54	387.00	
*	23.000	703.69	254.04	813.29	442.67	1.23	5.46	1.52	168.77	387.00	
*	23.000	704.79	391.94	929.02	669.04	1.27	5.29	1.63	153.82	387.00	
*	24.000	702.29	.00	589.00	.00	.00	1.18	.00	3.15	1138.08	1261.92
*	24.000	702.74	.00	794.00	.00	.00	1.44	.00	3.00	1138.07	1261.93
*	24.000	703.03	.00	945.00	.00	.00	1.60	.00	2.89	1138.07	1261.93
*	24.000	703.40	.00	1160.00	.00	.00	1.83	.00	2.75	1138.06	1261.94
*	24.000	703.69	.00	1330.00	.00	.00	1.98	.00	2.64	1138.06	1261.94
*	24.000	704.00	.00	1510.00	.00	.00	2.13	.00	2.52	1138.05	1261.95
*	24.000	705.02	.00	1990.00	.00	.00	2.38	.00	2.16	1138.04	1261.96

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
25.000	702.29	.00	589.00	.00	.00	1.18	.00	1.00	1138.08	1261.92	
25.000	702.74	.00	794.00	.00	.00	1.44	.00	1.00	1138.07	1261.93	
25.000	703.03	.00	945.00	.00	.00	1.60	.00	1.00	1138.07	1261.93	
25.000	703.40	.00	1160.00	.00	.00	1.83	.00	1.00	1138.06	1261.94	
25.000	703.69	.00	1330.00	.00	.00	1.98	.00	1.00	1138.06	1261.94	
25.000	704.00	.00	1510.00	.00	.00	2.13	.00	1.00	1138.05	1261.95	
25.000	705.10	.00	1990.00	.00	.00	2.35	.00	1.02	1138.04	1261.96	
*	26.000	702.27	55.34	395.73	137.92	.49	2.85	.72	.48	472.00	627.00
*	26.000	702.72	90.37	511.74	191.89	.63	3.38	.88	.49	472.00	627.00
*	26.000	703.00	118.19	594.81	232.00	.73	3.73	.98	.49	472.00	627.00
*	26.000	703.36	159.74	710.87	289.39	.86	4.19	1.12	.50	472.00	627.00
*	26.000	703.65	194.97	799.78	335.24	.95	4.50	1.22	.50	472.00	627.00
*	26.000	703.95	234.33	891.49	384.17	1.04	4.79	1.31	.50	472.00	627.00
*	26.000	705.05	358.06	1113.76	518.18	1.21	5.14	1.44	.52	472.00	627.00
27.000	702.36	203.49	332.85	52.66	.51	2.59	.41	1.04	286.00	651.00	
27.000	702.84	304.63	397.75	91.62	.60	2.81	.49	1.14	286.00	651.00	
27.000	703.16	379.95	442.60	122.45	.65	2.95	.55	1.21	286.00	651.00	
27.000	703.57	487.76	504.19	168.05	.73	3.13	.63	1.29	286.00	651.00	
27.000	703.88	574.49	549.41	206.11	.77	3.24	.68	1.34	286.00	651.00	
27.000	704.21	667.44	594.59	247.97	.82	3.33	.72	1.39	286.00	651.00	
*	27.000	705.34	926.89	689.86	373.25	.87	3.30	.79	1.51	286.00	651.00
28.000	702.43	212.05	267.91	109.03	.40	2.15	.40	1.22	167.00	682.28	
28.000	702.92	314.90	312.87	166.23	.47	2.28	.45	1.24	167.00	699.00	
28.000	703.24	391.07	343.27	210.66	.51	2.36	.49	1.26	167.00	699.00	
28.000	703.65	499.41	385.28	275.31	.56	2.46	.53	1.28	167.00	699.00	
28.000	703.97	585.99	415.97	328.04	.59	2.53	.56	1.29	167.00	699.00	
28.000	704.31	678.35	446.55	385.10	.62	2.58	.59	1.30	167.00	699.00	
28.000	705.42	932.88	508.97	548.15	.65	2.52	.63	1.32	167.00	699.00	
29.000	702.48	215.08	239.14	134.78	.36	1.93	.38	1.11	126.21	724.34	
29.000	702.97	320.81	276.60	196.59	.41	2.02	.42	1.13	120.80	735.12	
29.000	703.29	399.48	302.64	242.88	.44	2.09	.45	1.13	117.55	742.23	
29.000	703.70	511.70	338.46	309.83	.49	2.17	.49	1.14	113.52	751.54	
29.000	704.01	601.53	364.45	364.02	.51	2.22	.52	1.14	110.40	758.75	
29.000	704.35	697.23	390.01	422.77	.54	2.26	.53	1.14	107.11	777.96	
29.000	705.45	956.94	437.19	595.86	.55	2.17	.53	1.16	71.85	842.39	
30.000	702.51	210.42	217.67	160.91	.34	1.83	.36	1.05	130.39	786.49	
30.000	703.00	310.41	250.25	233.35	.39	1.91	.40	1.06	127.28	796.48	
30.000	703.32	384.19	273.19	287.62	.42	1.96	.43	1.06	125.24	803.26	
30.000	703.73	489.15	304.93	365.92	.46	2.04	.46	1.06	122.64	812.35	
30.000	704.04	572.87	328.02	429.11	.48	2.08	.49	1.06	120.62	819.38	
30.000	704.38	662.19	350.71	497.10	.51	2.12	.51	1.06	113.19	820.00	
30.000	705.48	910.55	394.28	685.16	.52	2.04	.52	1.06	53.45	820.00	

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
31.000	702.53	204.09	212.96	171.95	.36	1.98	.39	.89	462.70	1111.72
31.000	703.02	305.76	241.18	247.05	.41	2.03	.43	.91	451.07	1128.27
31.000	703.34	381.01	260.96	303.03	.44	2.07	.46	.92	437.99	1132.10
31.000	703.75	488.69	288.48	382.83	.47	2.13	.49	.93	421.24	1137.00
31.000	704.07	575.36	308.29	446.35	.50	2.16	.51	.94	410.41	1140.73
31.000	704.40	668.59	327.58	513.83	.51	2.18	.53	.94	407.42	1144.38
31.000	705.49	928.64	363.05	698.31	.52	2.07	.54	.96	379.81	1153.00
31.500	702.58	158.59	228.25	202.16	.32	1.84	.36	1.11	172.98	835.00
31.500	703.06	242.17	261.99	289.84	.37	1.92	.41	1.09	158.67	835.00
31.500	703.38	305.26	285.66	354.09	.40	1.98	.44	1.08	151.99	835.00
31.500	703.79	396.41	318.47	445.12	.44	2.05	.47	1.07	143.41	835.00
31.500	704.10	470.48	342.39	517.13	.46	2.10	.50	1.07	135.16	835.00
31.500	704.43	550.69	366.07	593.23	.48	2.13	.52	1.06	124.68	835.00
31.500	705.52	783.81	411.41	794.78	.50	2.05	.54	1.04	57.64	835.00
32.000	702.62	95.15	270.48	223.37	.33	1.99	.40	.93	296.86	851.00
32.000	703.10	156.00	317.14	320.86	.39	2.12	.46	.90	274.02	851.00
32.000	703.42	203.71	349.09	392.20	.42	2.20	.50	.89	259.03	851.00
32.000	703.82	274.75	392.37	492.88	.46	2.31	.54	.88	239.76	851.00
32.000	704.14	334.23	423.60	572.17	.49	2.37	.57	.88	224.89	851.00
32.000	704.47	400.17	454.23	655.60	.51	2.42	.60	.88	209.28	851.00
32.000	705.54	605.82	510.58	873.59	.53	2.34	.62	.87	168.50	851.00
33.000	702.67	118.83	305.97	164.20	.37	2.13	.41	.93	172.92	650.00
33.000	703.15	188.54	362.44	243.02	.44	2.28	.48	.92	158.76	650.00
33.000	703.47	242.67	401.21	301.12	.48	2.38	.52	.92	149.34	650.00
33.000	703.88	322.47	453.98	383.55	.53	2.50	.58	.92	132.25	650.00
33.000	704.19	388.96	492.33	448.71	.56	2.58	.61	.92	113.25	650.00
33.000	704.52	462.50	530.13	517.37	.58	2.64	.64	.92	99.91	650.00
33.000	705.58	684.93	605.57	699.50	.61	2.59	.67	.91	73.34	650.00

33.500	702.75	127.43	363.84	97.73	.46	2.42	.46	.85	188.78	518.00
33.500	703.24	199.77	444.02	150.20	.55	2.67	.56	.83	182.59	518.00
33.500	703.55	255.56	499.77	189.67	.60	2.82	.62	.82	177.73	518.00
33.500	703.96	337.79	575.88	246.33	.68	3.01	.69	.81	169.68	518.00
33.500	704.27	405.49	632.62	291.89	.72	3.14	.74	.80	163.51	518.00
33.500	704.59	479.68	689.73	340.59	.76	3.24	.79	.80	155.83	518.00
33.500	705.64	700.54	815.02	474.44	.81	3.28	.85	.77	122.56	518.00
34.000	702.82	101.26	435.18	52.56	.46	2.65	.51	.93	95.77	359.00
34.000	703.31	170.58	541.40	82.02	.57	2.97	.62	.91	90.88	359.00
34.000	703.62	225.69	614.98	104.33	.63	3.17	.69	.90	87.68	359.00
34.000	704.03	308.03	715.42	136.56	.72	3.42	.77	.89	83.56	359.00
34.000	704.34	376.77	790.67	162.56	.78	3.58	.83	.89	80.42	359.00
34.000	704.66	453.13	866.52	190.35	.84	3.72	.89	.88	76.72	359.00
34.000	705.70	683.07	1039.27	267.66	.92	3.84	.97	.86	64.70	359.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
35.000	702.87	74.88	494.63	19.49	.50	2.89	.46	.90	106.14	294.00	
35.000	703.36	129.65	629.09	35.26	.63	3.29	.60	.88	98.37	294.00	
35.000	703.67	174.47	722.69	47.84	.71	3.55	.68	.88	92.73	294.00	
35.000	704.08	242.23	851.29	66.48	.81	3.87	.79	.87	85.58	294.00	
35.000	704.39	299.96	948.05	81.99	.88	4.08	.86	.86	80.09	294.00	
35.000	704.71	365.21	1045.91	98.88	.94	4.27	.93	.86	67.07	294.00	
35.000	705.73	572.34	1270.10	147.56	1.03	4.44	1.04	.85	47.62	294.00	
36.000	702.93	66.10	522.90	.00	.82	2.88	.00	.99	459.00	535.00	
36.000	703.42	102.43	691.57	.00	1.04	3.44	.00	.94	459.00	535.00	
36.000	703.74	130.84	814.16	.00	1.19	3.81	.00	.91	459.00	535.00	
36.000	704.14	172.87	987.13	.00	1.39	4.29	.00	.87	459.00	535.00	
36.000	704.44	207.41	1122.59	.00	1.53	4.64	.00	.84	459.00	535.00	
36.000	704.75	245.50	1264.50	.00	1.68	4.97	.00	.82	459.00	535.00	
36.000	705.73	358.24	1631.76	.00	1.97	5.56	.00	.74	459.00	535.00	
37.000	702.93	.00	589.00	.00	.00	3.45	.00	.99	584.00	616.00	
37.000	703.41	.00	794.00	.00	.00	4.27	.00	.95	584.00	616.00	
37.000	703.71	.00	945.00	.00	.00	4.84	.00	.92	584.00	616.00	
37.000	704.08	.00	1160.00	.00	.00	5.59	.00	.90	584.00	616.00	
37.000	704.36	.00	1330.00	.00	.00	6.14	.00	.88	584.00	616.00	
37.000	704.65	.00	1510.00	.00	.00	6.69	.00	.87	584.00	616.00	
37.000	705.54	.00	1990.00	.00	.00	7.83	.00	.83	584.00	616.00	
38.000	702.96	.00	589.00	.00	.00	3.43	.00	1.01	584.00	616.00	
38.000	703.45	.00	794.00	.00	.00	4.24	.00	1.01	584.00	616.00	
38.000	703.76	.00	945.00	.00	.00	4.79	.00	1.01	584.00	616.00	
38.000	704.15	.00	1160.00	.00	.00	5.53	.00	1.02	584.00	616.00	
38.000	704.44	.00	1330.00	.00	.00	6.07	.00	1.02	584.00	616.00	
38.000	704.74	.00	1510.00	.00	.00	6.61	.00	1.02	584.00	616.00	
38.000	705.66	.00	1990.00	.00	.00	7.71	.00	1.02	584.00	616.00	
*	39.000	703.15	.70	580.88	7.42	.21	1.93	.49	1.48	576.00	661.00
*	39.000	703.74	2.38	780.81	10.81	.35	2.27	.58	1.61	576.00	661.00
*	39.000	704.14	3.91	927.78	13.31	.42	2.49	.63	1.69	576.00	661.00
*	39.000	704.66	6.34	1136.81	16.85	.51	2.77	.69	1.80	576.00	661.00
*	39.000	705.06	8.43	1301.95	19.62	.57	2.96	.74	1.87	576.00	661.00
*	39.000	705.48	10.74	1476.74	22.52	.62	3.14	.77	1.95	576.00	661.00
*	39.000	706.67	17.46	1942.52	30.01	.71	3.48	.82	2.13	576.00	661.00
39.300	703.15	15.08	562.47	11.45	.46	2.66	.53	.82	564.00	672.00	
39.300	703.73	32.55	736.48	24.97	.62	3.13	.61	.81	564.00	672.00	
39.300	704.13	47.84	859.24	37.93	.73	3.41	.70	.81	564.00	672.00	
39.300	704.65	72.03	1028.70	59.28	.87	3.75	.83	.81	564.00	672.00	
39.300	705.04	92.94	1158.84	78.22	.97	3.99	.93	.81	564.00	672.00	
39.300	705.46	116.42	1293.72	99.86	1.06	4.20	1.02	.81	564.00	672.00	
39.300	706.66	186.79	1636.91	166.30	1.25	4.57	1.21	.81	564.00	672.00	

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
39.600	703.14	.00	588.99	.01	.00	2.79	.07	.92	559.00	677.00	
39.600	703.72	.00	792.39	1.60	.00	3.37	.21	.88	559.00	677.00	
39.600	704.11	.00	937.55	7.45	.00	3.73	.38	.87	559.00	677.00	
39.600	704.62	.00	1139.04	20.96	.00	4.18	.58	.84	559.00	677.00	
*	39.600	705.01	.74	1273.44	55.82	.26	4.48	1.12	.54	559.00	677.00
*	39.600	705.42	10.31	1382.62	117.07	.72	4.85	1.80	.39	559.00	677.00
*	39.600	706.64	92.50	1649.56	247.94	1.52	4.90	2.22	.43	559.00	677.00
40.000	703.29	95.62	481.94	11.43	.72	3.43	.40	.74	273.00	533.00	
40.000	703.94	172.73	567.87	53.39	.84	3.50	.54	.90	273.00	533.00	
40.000	704.39	231.20	617.38	96.42	.90	3.49	.64	1.02	273.00	533.00	
40.000	704.98	313.20	684.04	162.76	.97	3.48	.75	1.18	273.00	533.00	

*	40.000	705.49	379.90	728.37	221.73	1.00	3.42	.80	2.02	273.00	533.00
*	40.000	705.98	449.09	776.98	283.93	1.03	3.38	.85	3.00	273.00	533.00
*	40.000	707.14	629.02	914.06	446.92	1.11	3.41	.96	2.98	273.00	533.00
	40.500	703.47	19.01	569.99	.00	.57	3.45	.00	.92	333.00	416.93
	40.500	704.09	49.33	744.67	.00	.85	3.86	.00	.81	333.00	419.69
	40.500	704.52	76.77	868.23	.00	1.02	4.06	.00	.76	333.00	421.66
	40.500	705.07	114.87	1037.26	7.88	1.18	4.31	.41	.71	333.00	463.00
*	40.500	705.55	147.31	1158.61	24.08	1.26	4.38	.62	.69	333.00	463.00
*	40.500	706.03	181.15	1283.78	45.07	1.34	4.46	.77	.68	333.00	463.00
*	40.500	707.16	269.76	1610.74	109.50	1.49	4.69	1.04	.66	333.00	463.00
	41.000	703.70	.00	565.00	.00	.00	1.00	.00	4.24	26.47	133.86
*	41.000	704.37	.00	771.00	.00	.00	1.21	.00	3.95	24.98	135.39
*	41.000	704.81	.00	923.00	.00	.00	1.34	.00	3.70	23.97	138.90
*	41.000	705.39	.00	1130.00	.00	.00	1.49	.00	3.38	19.10	138.90
*	41.000	705.87	.00	1300.00	.00	.00	1.60	.00	3.18	19.10	138.90
*	41.000	706.34	.00	1480.00	.00	.00	1.70	.00	3.02	19.10	138.90
*	41.000	707.48	.00	1950.00	.00	.00	1.94	.00	2.73	19.10	138.90
	42.000	703.70	.00	565.00	.00	.00	1.00	.00	1.00	26.47	133.86
	42.000	704.37	.00	771.00	.00	.00	1.21	.00	1.00	24.97	135.40
	42.000	704.81	.00	923.00	.00	.00	1.34	.00	1.00	23.97	138.90
	42.000	705.40	.00	1130.00	.00	.00	1.49	.00	1.00	19.10	138.90
	42.000	705.87	.00	1300.00	.00	.00	1.60	.00	1.00	19.10	138.90
	42.000	706.35	.00	1480.00	.00	.00	1.70	.00	1.00	19.10	138.90
	42.000	707.48	.00	1950.00	.00	.00	1.94	.00	1.00	19.10	138.90
*	43.000	703.67	19.07	499.76	46.16	.36	2.74	.56	.33	355.00	539.08
*	43.000	704.34	54.26	623.43	93.31	.55	2.99	.65	.38	355.00	573.27
*	43.000	704.79	84.17	702.23	136.61	.64	3.11	.71	.42	355.00	575.00
*	43.000	705.37	128.05	799.21	202.74	.74	3.21	.79	.47	355.00	575.00
*	43.000	705.86	166.28	872.09	261.62	.81	3.26	.84	.49	355.00	575.00
*	43.000	706.33	206.85	948.15	325.00	.86	3.31	.90	.51	355.00	575.00
*	43.000	707.47	313.82	1141.39	494.79	.98	3.45	1.01	.56	355.00	575.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
44.000	703.71	39.81	504.92	20.27	.43	2.84	.39	.94	317.00	557.90	
44.000	704.38	101.13	609.62	60.25	.58	2.99	.53	.98	317.00	580.46	
44.000	704.83	152.19	671.57	99.24	.66	3.02	.59	1.01	317.00	601.87	
44.000	705.43	222.94	744.56	162.50	.74	3.04	.64	1.04	317.00	637.00	
44.000	705.92	281.58	794.73	223.69	.78	3.01	.68	1.07	317.00	637.00	
44.000	706.40	342.19	846.84	290.97	.82	2.99	.71	1.09	317.00	637.00	
44.000	707.55	497.46	979.95	472.60	.89	2.99	.80	1.14	317.00	637.00	
45.000	703.74	18.92	546.08	.00	.27	2.89	.00	.94	319.08	485.13	
45.000	704.40	72.49	698.51	.00	.43	3.19	.00	.86	283.00	488.12	
45.000	704.85	127.99	791.53	3.47	.53	3.28	.16	.84	283.00	576.22	
45.000	705.44	207.79	896.86	25.35	.62	3.33	.33	.84	283.00	592.76	
45.000	705.92	275.95	970.83	53.23	.67	3.32	.40	.84	283.00	606.33	
45.000	706.40	346.57	1045.36	88.07	.71	3.31	.46	.84	283.00	619.71	
45.000	707.55	522.57	1220.07	207.36	.78	3.29	.54	.85	283.00	697.92	
46.000	703.82	8.28	535.06	21.65	.41	3.12	.33	.95	447.69	611.18	
46.000	704.49	23.84	677.78	69.38	.40	3.43	.49	.98	246.88	639.17	
46.000	704.94	55.09	754.05	113.86	.40	3.51	.56	1.00	234.28	661.21	
46.000	705.52	123.00	824.23	182.77	.46	3.47	.60	1.02	218.01	701.66	
46.000	706.01	193.95	858.67	247.37	.49	3.34	.60	1.05	202.75	742.11	
46.000	706.49	273.54	887.08	319.38	.52	3.21	.59	1.08	186.18	798.45	
46.000	707.65	482.52	940.87	526.61	.55	2.93	.57	1.17	150.41	875.82	
46.500	703.97	.50	563.10	1.40	.21	3.27	.21	.92	399.99	718.16	
46.500	704.63	16.55	705.15	49.31	.30	3.53	.32	.95	202.29	805.34	
46.500	705.08	44.58	758.45	119.98	.37	3.49	.40	.98	151.32	810.66	
46.500	705.66	102.93	789.73	237.35	.42	3.27	.47	1.03	125.70	817.58	
46.500	706.13	161.05	799.54	339.41	.44	3.07	.50	1.06	114.69	830.49	
46.500	706.60	224.19	811.56	444.26	.46	2.90	.51	1.08	105.22	859.26	
46.500	707.72	392.70	849.44	707.87	.48	2.61	.53	1.10	79.35	864.00	
*	47.000	704.18	33.74	438.00	93.26	.22	2.11	.27	1.74	219.83	818.13
*	47.000	704.86	84.25	492.84	193.91	.28	2.08	.32	1.87	163.94	902.14
*	47.000	705.28	127.63	520.28	275.09	.31	2.05	.34	1.86	154.32	937.27
*	47.000	705.81	187.93	553.25	388.82	.34	2.00	.36	1.76	142.12	981.81
*	47.000	706.25	239.14	574.32	486.54	.36	1.95	.37	1.68	132.00	1018.78
*	47.000	706.70	292.59	596.68	590.73	.37	1.91	.38	1.61	121.87	1052.25
*	47.000	707.78	432.18	645.65	872.17	.39	1.80	.39	1.52	95.09	1105.81
47.500	704.26	.23	490.30	74.47	.08	2.66	.36	.72	332.05	665.77	
47.500	704.92	15.22	581.15	174.63	.23	2.73	.45	.70	220.19	732.90	
*	47.500	705.33	41.16	628.91	252.92	.28	2.73	.48	.69	170.19	754.41
*	47.500	705.85	89.27	678.37	362.36	.35	2.68	.51	.69	156.93	773.27
*	47.500	706.29	136.26	708.61	455.13	.39	2.61	.52	.70	149.56	784.72
47.500	706.73	188.33	738.93	552.73	.42	2.54	.54	.70	142.11	793.51	

47.500 707.81 331.05 812.88 806.07 .46 2.41 .55 .70 116.27 838.80

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
48.000	704.40	10.24	551.37	3.39	.35	2.82	.35	.96	350.63	438.79
48.000	705.03	25.68	706.76	38.56	.46	3.16	.24	.88	328.49	785.84
48.000	705.43	39.84	780.35	102.81	.50	3.23	.34	.86	311.22	814.64
48.000	705.93	62.43	854.17	213.40	.51	3.23	.42	.84	289.27	851.22
48.000	706.36	84.48	895.38	320.14	.51	3.16	.46	.83	270.81	881.99
48.000	706.79	111.52	928.74	439.74	.51	3.06	.49	.84	250.59	915.99
48.000	707.85	196.16	988.88	764.96	.50	2.82	.52	.86	195.70	1009.25
48.500	704.60	33.22	435.79	95.99	.35	2.71	.54	.99	229.02	572.90
48.500	705.25	82.34	514.88	173.78	.44	2.75	.53	1.10	186.10	659.45
48.500	705.64	122.03	563.77	237.19	.47	2.78	.54	1.12	142.41	696.95
48.500	706.12	183.24	616.71	330.05	.49	2.78	.55	1.12	105.51	758.86
48.500	706.52	238.92	648.12	412.96	.50	2.73	.55	1.12	89.42	792.58
48.500	706.93	299.60	675.59	504.81	.51	2.66	.54	1.11	74.60	855.90
48.500	707.95	459.13	727.66	763.21	.52	2.47	.52	1.10	37.94	917.30
49.000	704.74	.10	559.73	5.17	.10	3.66	.15	.70	348.56	641.71
* 49.000	705.36	7.64	681.12	82.24	.27	3.84	.40	.68	289.27	718.50
* 49.000	705.74	21.10	740.66	161.24	.34	3.85	.49	.69	252.95	765.56
49.000	706.21	49.08	797.33	283.59	.39	3.77	.55	.70	207.20	824.81
49.000	706.60	80.38	825.46	394.15	.41	3.64	.57	.72	169.89	873.16
49.000	707.00	128.00	831.35	520.65	.46	3.41	.59	.75	157.56	891.25
49.000	708.01	256.08	855.64	838.27	.52	3.02	.60	.78	127.46	935.40
49.500	705.11	4.60	542.02	18.37	.40	4.10	.28	.82	359.74	694.46
49.500	705.70	19.98	632.68	118.34	.52	4.07	.52	.88	325.75	723.79
49.500	706.04	36.50	684.39	202.12	.51	4.04	.59	.89	139.25	843.31
49.500	706.48	84.52	718.96	326.52	.47	3.86	.62	.91	132.04	868.48
49.500	706.83	136.50	730.11	433.39	.50	3.64	.63	.93	126.07	886.31
49.500	707.18	193.81	741.85	544.34	.53	3.45	.64	.92	120.10	900.00
49.500	708.12	352.72	767.18	830.09	.56	3.04	.64	.93	108.44	900.00
50.000	705.63	47.81	517.19	.00	.60	4.32	.00	.95	215.69	439.54
50.000	706.11	110.88	660.12	.00	.78	4.80	.00	.80	209.83	440.27
50.000	706.40	164.95	758.05	.00	.88	5.11	.00	.73	206.37	440.70
* 50.000	706.74	244.50	866.93	18.57	.99	5.37	.20	.65	199.68	1133.23
* 50.000	707.05	304.41	874.40	121.19	.98	5.04	.39	.65	189.86	1151.96
* 50.000	707.38	357.53	852.79	269.68	.93	4.58	.49	.68	179.20	1172.28
50.000	708.25	473.46	793.18	683.36	.80	3.60	.56	.77	151.23	1225.60
50.500	706.14	53.43	504.54	7.02	.48	3.84	.34	1.12	139.63	570.38
50.500	706.68	155.17	576.10	39.73	.56	3.77	.43	1.32	115.74	653.55
* 50.500	707.00	233.94	614.26	74.80	.61	3.71	.48	1.46	101.82	700.18
* 50.500	707.35	336.04	666.60	127.35	.67	3.71	.54	1.56	95.23	707.86
50.500	707.54	411.48	721.88	166.65	.72	3.85	.60	1.38	92.28	712.04
50.500	707.74	493.82	774.64	211.54	.77	3.97	.65	1.19	89.19	716.43
50.500	708.42	733.20	858.62	358.18	.83	3.86	.73	.94	.00	728.08

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
51.000	706.57	.00	565.00	.00	.00	3.74	.00	.84	380.05	420.93
51.000	707.01	9.67	718.24	43.09	.30	4.23	.30	.71	292.81	800.99
* 51.000	707.28	23.38	796.17	103.45	.40	4.40	.41	.66	281.54	842.94
* 51.000	707.60	45.84	882.95	201.21	.50	4.56	.51	.64	268.36	892.01
* 51.000	707.80	64.28	954.82	280.90	.56	4.73	.57	.64	260.23	922.27
* 51.000	708.00	86.46	1017.49	376.05	.62	4.83	.63	.64	251.44	955.01
* 51.000	708.63	157.74	1114.79	677.47	.69	4.72	.70	.63	225.42	1052.24
51.500	707.15	93.10	461.76	10.14	.44	3.04	.16	1.28	172.41	785.64
* 51.500	707.64	162.88	532.00	76.12	.53	3.10	.30	1.43	165.94	802.97
* 51.500	707.91	209.37	581.46	132.18	.57	3.19	.37	1.44	162.42	809.65
* 51.500	708.21	270.64	646.17	213.19	.63	3.32	.43	1.43	158.12	946.65
* 51.500	708.42	318.89	697.15	283.96	.67	3.44	.47	1.43	154.88	967.30
* 51.500	708.61	368.67	748.29	363.04	.72	3.55	.51	1.41	151.81	986.88
51.500	709.15	496.16	852.05	601.79	.78	3.67	.58	1.32	143.47	1040.11
52.000	707.50	26.21	466.18	72.61	.30	2.74	.31	1.16	167.83	713.91
52.000	707.95	56.73	561.43	152.84	.39	2.97	.41	1.08	164.17	747.54
52.000	708.22	80.78	627.74	214.48	.44	3.15	.46	1.05	162.08	766.74
52.000	708.52	115.51	712.59	301.89	.50	3.36	.53	1.02	159.64	789.10
52.000	708.74	146.49	776.65	376.86	.54	3.52	.57	1.01	157.94	816.00
52.000	708.94	181.47	839.37	459.16	.58	3.66	.62	1.00	156.31	848.17
52.000	709.46	280.51	976.95	692.54	.68	3.90	.69	.96	152.15	930.26
52.500	707.82	110.49	373.73	80.78	.52	2.63	.31	.99	148.07	655.92
52.500	708.28	159.29	442.96	168.74	.59	2.78	.40	1.02	144.41	682.75

52.500	708.55	194.07	491.09	237.84	.63	2.89	.46	1.04	142.17	700.70
52.500	708.87	240.60	553.20	336.20	.69	3.04	.51	1.07	139.25	720.20
52.500	709.10	278.53	604.24	417.23	.73	3.17	.56	1.07	136.65	730.38
52.500	709.31	318.26	657.03	504.71	.77	3.30	.60	1.07	134.18	859.37
52.500	709.83	420.17	782.10	747.73	.86	3.58	.69	1.06	128.14	903.41
53.000	708.12	.56	512.91	51.53	.32	3.41	.55	.82	278.73	388.39
53.000	708.58	1.25	678.54	91.21	.43	4.05	.72	.72	278.04	393.66
53.000	708.85	4.16	790.73	128.11	.28	4.45	.73	.68	226.45	523.34
53.000	709.16	13.50	924.95	191.55	.38	4.88	.77	.65	213.48	549.61
53.000	709.39	23.93	1026.85	249.22	.46	5.18	.82	.64	204.48	567.84
53.000	709.61	37.32	1127.54	315.14	.54	5.47	.88	.63	195.79	585.45
53.000	710.13	82.74	1358.91	508.36	.69	6.02	.99	.62	175.06	627.43
53.500	708.47	76.65	340.34	148.01	.45	2.28	.41	1.49	199.90	590.39
53.500	709.02	117.44	413.38	240.18	.51	2.44	.48	1.68	196.36	606.81
53.500	709.35	147.58	466.00	309.41	.56	2.56	.52	1.77	194.22	619.23
53.500	709.72	188.49	536.68	404.82	.61	2.74	.58	1.82	191.79	635.74
53.500	709.99	222.15	593.18	484.67	.66	2.88	.62	1.85	190.04	650.63
53.500	710.25	257.67	651.55	570.78	.70	3.03	.66	1.86	188.38	709.69
53.500	710.83	348.90	792.92	808.18	.80	3.35	.72	1.86	185.29	847.06

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
54.000	708.62	52.96	320.96	191.08	.37	2.29	.47	.98	270.00	649.62
54.000	709.16	91.73	391.66	287.60	.45	2.47	.53	.98	270.00	662.74
54.000	709.49	120.85	442.49	359.66	.51	2.60	.58	.98	270.00	675.56
54.000	709.87	160.55	510.70	458.75	.57	2.78	.64	.98	270.00	685.00
54.000	710.15	193.35	565.43	541.22	.62	2.93	.68	.98	270.00	732.29
54.000	710.41	227.83	621.58	630.59	.67	3.07	.71	.98	270.00	814.59
54.000	711.01	315.14	755.40	879.45	.77	3.38	.74	.99	259.29	1000.26
55.000	708.68	53.13	322.11	189.76	.41	2.56	.50	.87	119.00	491.00
55.000	709.22	92.74	388.12	290.14	.50	2.70	.58	.88	119.00	491.00
55.000	709.55	122.37	436.66	363.98	.55	2.82	.63	.89	119.00	491.00
55.000	709.93	162.90	502.88	464.22	.62	3.00	.69	.90	119.00	491.00
55.000	710.21	196.48	556.51	547.01	.68	3.15	.74	.90	119.00	544.87
55.000	710.48	231.83	611.74	636.42	.73	3.30	.78	.91	119.00	555.25
55.000	711.08	323.75	749.09	877.16	.84	3.65	.86	.90	79.56	876.21
56.000	708.67	8.20	508.53	53.27	.54	4.53	.71	.70	223.00	434.20
56.000	709.18	35.29	649.95	114.76	.63	5.07	.90	.68	223.00	435.75
56.000	709.51	62.68	738.26	164.06	.77	5.34	1.02	.68	223.00	436.72
56.000	709.88	103.54	853.51	232.95	.93	5.69	1.17	.69	223.00	437.84
56.000	710.15	137.81	934.28	287.92	1.04	5.90	1.26	.69	223.00	438.66
56.000	710.41	175.32	1021.18	353.50	1.14	6.13	1.26	.70	223.00	631.61
56.000	711.03	265.53	1181.78	562.69	1.32	6.37	1.20	.73	223.00	945.28
57.000	708.94	.00	570.00	.00	.00	2.65	.00	2.16	278.00	321.00
57.000	709.43	.00	800.00	.00	.00	3.39	.00	1.84	278.00	321.00
57.000	709.71	.00	965.00	.00	.00	3.89	.00	1.66	278.00	321.00
57.000	710.01	.00	1190.00	.00	.00	4.56	.00	1.48	278.00	321.00
57.000	710.45	.00	1101.68	258.32	.00	3.94	.63	1.80	278.00	610.55
57.000	710.71	.00	1215.72	334.28	.00	4.18	.69	1.75	278.00	621.37
57.000	711.40	346.28	1198.14	465.58	.72	3.74	.66	2.02	90.71	650.12
58.000	709.14	.00	570.00	.00	.00	2.55	.00	1.07	278.00	321.00
58.000	709.88	.00	800.00	.00	.00	3.13	.00	1.14	278.00	321.00
58.000	710.45	.00	782.17	182.83	.00	2.80	.45	1.51	278.00	610.35
58.000	710.93	.00	908.86	281.14	.00	3.03	.51	1.65	278.00	630.24
58.000	711.31	229.78	823.60	306.63	.50	2.60	.46	1.64	91.53	646.07
58.000	711.51	272.44	908.32	369.23	.54	2.79	.50	1.61	89.82	654.55
58.000	711.89	375.91	1111.05	523.03	.65	3.25	.60	1.20	86.62	670.35
59.000	709.41	.00	570.00	.00	.00	1.29	.00	1.80	45.11	144.84
59.000	710.24	.00	800.00	.00	.00	1.52	.00	1.84	43.37	206.39
59.000	710.76	.00	965.00	.00	.00	1.62	.00	1.24	42.29	207.45
59.000	711.26	.00	1190.00	.00	.00	1.75	.00	1.22	41.23	208.48
59.000	711.54	.00	1360.00	.00	.00	1.87	.00	.98	40.65	209.05
59.000	711.76	.00	1550.00	.00	.00	2.03	.00	.98	40.18	209.52
59.000	712.20	.00	2010.00	.00	.00	2.39	.00	.99	39.26	210.41

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
59.300	709.41	.00	570.00	.00	.00	1.29	.00	1.00	45.11	144.84
59.300	710.24	.00	800.00	.00	.00	1.52	.00	1.00	43.37	206.39
59.300	710.76	.00	965.00	.00	.00	1.61	.00	1.00	42.28	207.46
59.300	711.26	.00	1190.00	.00	.00	1.75	.00	1.00	41.23	208.49
59.300	711.54	.00	1360.00	.00	.00	1.87	.00	1.00	40.65	209.06
59.300	711.77	.00	1550.00	.00	.00	2.02	.00	1.00	40.17	209.52

59.300	712.20	.00	2010.00	.00	.00	2.39	.00	1.00	39.25	210.42
59.600	709.43	.00	570.00	.00	.00	1.11	.00	1.21	244.94	353.15
59.600	710.27	.00	800.00	.00	.00	1.32	.00	1.22	241.72	355.34
* 59.600	710.79	4.48	959.88	.63	.20	1.44	.09	1.47	170.00	445.00
* 59.600	711.29	23.79	1149.10	17.11	.41	1.59	.33	1.48	170.00	445.00
* 59.600	711.57	40.45	1285.64	33.91	.51	1.70	.44	1.47	170.00	445.00
* 59.600	711.80	58.61	1438.52	52.87	.61	1.84	.54	1.46	170.00	445.00
* 59.600	712.26	107.41	1797.13	105.46	.84	2.16	.77	1.45	170.00	445.00
60.000	709.45	.00	570.00	.00	.00	1.10	.00	1.01	244.83	353.23
60.000	710.31	.00	800.00	.00	.00	1.31	.00	1.02	241.09	355.47
60.000	710.86	6.84	941.46	16.70	.22	1.39	.13	1.04	153.54	1184.02
60.000	711.43	30.07	972.43	187.49	.35	1.31	.31	1.22	141.62	1219.57
60.000	711.76	48.31	979.57	332.12	.40	1.26	.36	1.38	134.44	1240.97
* 60.000	712.06	66.96	1003.76	479.29	.44	1.24	.41	1.53	128.25	1259.44
* 60.000	712.68	112.92	1059.05	838.03	.49	1.20	.48	1.87	114.24	1295.13
* 61.000	709.45	243.61	197.38	129.00	.79	1.37	.75	.64	529.00	914.00
61.000	710.33	383.13	204.37	212.49	.77	1.14	.75	.97	529.00	914.00
61.000	710.89	478.47	217.23	269.30	.77	1.07	.75	1.13	529.00	914.00
61.000	711.44	603.22	244.04	342.74	.82	1.08	.80	1.06	529.00	914.00
61.000	711.77	696.21	266.55	397.24	.86	1.12	.84	.99	529.00	914.00
61.000	712.06	799.42	292.99	457.59	.92	1.17	.90	.93	529.00	914.00
61.000	712.68	1049.74	356.19	604.07	1.05	1.29	1.02	.83	529.00	914.00
62.000	709.47	254.41	191.31	124.28	.70	1.31	.62	1.07	437.00	944.00
62.000	710.34	398.46	183.33	218.21	.65	1.01	.61	1.15	437.00	944.00
62.000	710.89	495.32	189.55	280.13	.64	.93	.61	1.17	437.00	944.00
62.000	711.45	622.47	208.10	359.43	.67	.92	.64	1.19	437.00	944.00
62.000	711.78	717.16	224.98	417.85	.70	.94	.67	1.20	437.00	944.00
62.000	712.07	822.23	245.47	482.30	.74	.98	.72	1.21	437.00	944.00
62.000	712.69	1076.85	294.33	638.82	.84	1.07	.81	1.22	437.00	944.00
63.000	709.49	103.87	172.92	293.21	.63	1.20	.58	1.13	512.00	1112.00
63.000	710.35	154.83	161.83	483.34	.58	.91	.55	1.14	512.00	1112.00
63.000	710.90	189.10	165.27	610.63	.56	.83	.54	1.14	512.00	1112.00
63.000	711.46	234.66	179.62	775.72	.58	.82	.56	1.15	512.00	1112.00
63.000	711.79	268.77	193.24	897.99	.61	.83	.59	1.15	512.00	1112.00
63.000	712.08	306.75	210.02	1033.24	.64	.86	.63	1.15	512.00	1112.00
63.000	712.71	398.51	250.09	1361.40	.72	.94	.71	1.16	512.00	1112.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 64.000	709.52	16.48	303.13	250.39	.28	2.12	.35	.58	332.00	1097.00
* 64.000	710.37	51.33	303.09	445.59	.35	1.75	.36	.53	332.00	1097.00
* 64.000	710.91	75.76	313.77	575.47	.38	1.62	.36	.52	332.00	1097.00
* 64.000	711.47	105.72	343.24	741.03	.41	1.61	.38	.52	332.00	1097.00
* 64.000	711.79	127.26	370.06	862.69	.44	1.64	.40	.51	332.00	1097.00
* 64.000	712.09	150.63	402.68	996.69	.47	1.71	.43	.51	332.00	1097.00
* 64.000	712.71	207.79	480.22	1321.99	.54	1.86	.49	.51	332.00	1097.00
65.000	709.55	19.73	299.27	251.00	.27	2.04	.37	1.08	263.00	1083.00
65.000	710.38	42.37	283.11	474.52	.28	1.61	.38	1.12	263.00	1083.00
65.000	710.93	57.45	286.05	621.50	.29	1.47	.38	1.14	263.00	1083.00
65.000	711.48	76.14	307.13	806.73	.30	1.43	.40	1.16	263.00	1083.00
65.000	711.81	89.68	328.17	942.16	.32	1.45	.42	1.16	263.00	1083.00
65.000	712.10	104.46	354.58	1090.95	.34	1.50	.44	1.17	263.00	1083.00
65.000	712.73	140.33	417.55	1452.12	.38	1.62	.50	1.18	263.00	1083.00
66.000	709.61	12.19	333.84	223.96	.37	2.32	.37	.89	353.96	1193.21
66.000	710.41	28.99	301.58	469.43	.33	1.77	.37	.92	319.70	1307.39
66.000	710.95	43.26	290.93	630.82	.32	1.55	.36	.95	304.23	1362.39
66.000	711.50	62.27	298.29	829.44	.32	1.45	.37	.99	291.93	1399.71
66.000	711.82	76.40	310.86	972.73	.33	1.44	.38	1.02	285.43	1420.86
66.000	712.12	91.93	328.86	1129.22	.35	1.45	.39	1.04	279.73	1438.70
66.000	712.75	131.31	371.73	1506.96	.38	1.51	.43	1.08	271.82	1441.00
67.000	709.64	2.67	363.27	204.06	.27	2.49	.39	.95	359.17	1047.47
67.000	710.43	8.80	350.52	440.68	.29	2.05	.42	.88	345.06	1111.00
67.000	710.96	16.04	345.65	603.31	.30	1.84	.43	.85	318.23	1111.00
67.000	711.50	28.53	360.35	801.12	.30	1.75	.45	.83	282.10	1111.00
67.000	711.83	39.38	378.45	942.17	.30	1.75	.47	.83	260.64	1111.00
67.000	712.12	52.37	402.77	1094.86	.31	1.79	.49	.82	241.27	1111.00
67.000	712.75	92.92	459.49	1457.59	.35	1.87	.55	.81	224.00	1111.00
67.500	709.78	.03	365.59	204.38	.07	2.66	.40	.87	515.45	1267.59
67.500	710.50	4.87	339.16	455.97	.18	2.09	.43	.92	442.24	1371.39
67.500	711.01	17.64	325.32	622.04	.23	1.82	.42	.95	407.62	1429.78
67.500	711.55	38.46	328.45	823.09	.27	1.66	.42	1.00	378.57	1461.16
67.500	711.87	54.97	339.32	965.72	.29	1.63	.43	1.02	361.58	1479.88
67.500	712.16	73.55	356.26	1120.19	.30	1.63	.44	1.04	344.09	1497.61
67.500	712.79	123.91	397.07	1489.02	.34	1.66	.47	1.08	308.84	1537.13

68.000	709.94	15.85	282.61	271.53	.21	1.99	.43	1.37	182.29	946.10
68.000	710.58	36.75	293.35	469.90	.23	1.78	.44	1.18	129.00	1086.73
68.000	711.06	59.36	286.22	619.43	.24	1.58	.43	1.16	113.87	1123.33
68.000	711.59	87.77	293.99	808.24	.26	1.47	.43	1.14	98.89	1159.07
68.000	711.90	108.19	306.33	945.48	.27	1.45	.44	1.13	89.81	1180.74
68.000	712.19	130.34	323.92	1095.74	.28	1.46	.46	1.12	81.51	1200.54
68.000	712.82	185.42	365.78	1458.80	.31	1.50	.49	1.11	65.12	1236.53

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
68.500	710.04	1.84	308.59	259.57	.13	2.38	.49	.79	279.10	1211.82
68.500	710.65	23.56	296.91	479.53	.21	1.96	.48	.86	265.82	1258.09
68.500	711.11	45.00	286.65	633.35	.24	1.71	.46	.87	255.69	1285.43
68.500	711.62	72.56	290.66	826.78	.26	1.57	.46	.89	244.07	1307.96
68.500	711.93	92.34	300.89	966.77	.27	1.53	.47	.90	236.49	1321.94
68.500	712.22	113.71	316.59	1119.70	.28	1.54	.49	.91	228.99	1344.32
68.500	712.84	166.60	355.14	1488.26	.31	1.56	.52	.92	214.13	1382.20
69.000	710.19	.00	260.34	309.66	.00	1.93	.48	1.18	571.22	1231.21
69.000	710.74	1.32	286.90	511.78	.07	1.84	.50	1.00	407.49	1347.28
69.000	711.17	14.48	287.69	662.83	.14	1.66	.49	.97	354.83	1371.98
69.000	711.66	40.05	298.79	851.16	.18	1.55	.49	.95	294.78	1400.15
69.000	711.97	61.56	311.75	986.68	.20	1.52	.50	.95	257.04	1417.86
69.000	712.26	86.21	329.64	1134.15	.21	1.52	.51	.96	222.14	1434.23
69.000	712.88	157.01	371.10	1481.88	.24	1.54	.54	.97	155.47	1470.08
69.500	710.31	16.64	324.02	229.34	.36	2.03	.70	.88	499.50	1068.45
69.500	710.82	70.28	337.58	392.13	.47	1.86	.74	.92	394.56	1119.92
69.500	711.23	130.58	325.32	509.10	.49	1.64	.67	.94	328.33	1386.27
69.500	711.71	211.64	311.71	666.64	.49	1.42	.60	1.00	299.18	1443.16
69.500	712.01	268.25	309.94	781.80	.49	1.33	.58	1.04	282.72	1476.17
69.500	712.29	327.97	314.65	907.38	.50	1.29	.58	1.08	264.42	1492.49
69.500	712.91	471.86	330.64	1207.50	.53	1.22	.59	1.14	237.53	1523.39
70.000	710.40	52.47	145.21	58.32	.21	.74	.24	1.28	184.52	901.55
70.000	710.89	99.40	154.07	109.53	.24	.69	.24	1.25	147.01	1019.37
70.000	711.27	137.74	152.50	152.76	.24	.63	.24	1.22	129.36	1068.78
70.000	711.74	186.59	155.57	211.84	.25	.59	.24	1.15	108.50	1127.21
70.000	712.04	223.74	161.85	258.41	.26	.58	.24	1.12	95.09	1164.76
70.000	712.32	262.90	169.42	308.68	.26	.57	.25	1.09	82.27	1200.65
70.000	712.93	363.33	191.06	443.61	.29	.59	.27	1.05	63.46	1263.78
70.300	710.41	19.08	168.57	68.35	.16	1.24	.17	.74	278.93	1072.30
* 70.300	710.89	39.08	195.57	128.35	.20	1.30	.21	.66	275.12	1076.64
* 70.300	711.28	55.91	206.33	180.76	.21	1.27	.21	.61	272.14	1080.02
* 70.300	711.74	78.45	219.42	256.13	.23	1.25	.23	.57	268.45	1081.67
* 70.300	712.04	95.73	233.41	314.86	.24	1.26	.24	.55	266.13	1082.70
* 70.300	712.32	114.15	249.17	377.69	.26	1.29	.25	.54	263.94	1083.67
* 70.300	712.93	162.77	291.71	543.52	.29	1.38	.29	.51	257.47	1085.80
70.600	710.43	63.54	177.76	14.70	.17	1.09	.12	1.07	169.50	814.86
70.600	710.92	114.24	209.78	38.98	.20	1.15	.15	1.07	147.11	900.16
70.600	711.30	154.40	224.06	64.53	.21	1.13	.16	1.07	132.06	950.35
70.600	711.76	208.03	242.43	103.54	.23	1.12	.18	1.06	115.83	988.48
70.600	712.06	249.55	259.35	135.10	.24	1.14	.19	1.06	104.81	1002.26
70.600	712.34	293.64	277.90	169.46	.25	1.16	.21	1.07	94.44	1009.25
70.600	712.94	409.26	327.16	261.57	.28	1.24	.24	1.07	74.85	1023.34

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
71.000	710.46	125.97	129.10	.93	.22	1.13	.15	.91	166.32	633.49
71.000	710.94	203.01	157.41	2.59	.25	1.22	.11	.90	131.74	849.66
71.000	711.32	263.05	172.11	7.84	.27	1.23	.10	.88	113.68	919.29
71.000	711.77	341.93	189.98	22.09	.28	1.24	.12	.87	112.00	1004.18
71.000	712.07	401.78	204.80	37.42	.30	1.26	.13	.87	112.00	1059.09
71.000	712.35	463.60	220.28	57.11	.31	1.29	.14	.87	112.00	1110.81
71.000	712.96	611.23	255.60	131.18	.34	1.35	.18	.89	43.08	1235.01
71.500	710.49	98.86	147.79	9.35	.20	1.13	.12	.91	255.00	961.39
71.500	710.97	163.60	169.63	29.77	.23	1.13	.15	.99	255.00	1011.00
71.500	711.35	211.91	181.09	50.01	.24	1.10	.17	1.04	255.00	1011.00
71.500	711.80	276.67	198.50	78.83	.25	1.08	.20	1.06	255.00	1011.00
71.500	712.10	326.99	214.57	102.44	.26	1.10	.20	1.07	255.00	1103.12
71.500	712.38	379.79	232.04	129.17	.28	1.13	.22	1.08	255.00	1106.57
71.500	712.98	517.82	278.09	202.09	.31	1.21	.25	1.06	148.25	1114.08
* 72.000	710.54	111.28	144.72	.00	.29	1.47	.00	.70	139.00	551.73
* 72.000	711.01	185.02	171.41	6.57	.33	1.50	.13	.69	139.00	674.00
* 72.000	711.38	240.12	185.36	17.52	.34	1.46	.19	.69	139.00	674.00
* 72.000	711.83	313.86	205.64	34.50	.36	1.44	.23	.69	139.00	674.00

*	72.000	712.12	370.03	223.06	50.91	.37	1.46	.23	.69	139.00	829.60
*	72.000	712.40	427.53	241.19	72.29	.39	1.49	.24	.70	139.00	830.99
	72.000	713.01	575.57	287.80	134.63	.42	1.58	.29	.71	37.83	834.02
	73.000	710.61	12.86	236.43	6.71	.17	1.29	.25	1.21	368.00	560.00
	73.000	711.08	32.27	319.12	11.61	.25	1.51	.32	1.05	368.00	560.00
	73.000	711.44	50.89	376.48	15.62	.30	1.61	.36	.96	368.00	560.00
	73.000	711.88	78.40	454.40	21.19	.36	1.75	.41	.87	368.00	560.00
	73.000	712.17	99.96	512.50	31.54	.40	1.85	.27	.83	368.00	783.57
	73.000	712.45	122.20	569.31	49.49	.44	1.94	.27	.81	368.00	787.20
	73.000	713.05	187.97	700.34	109.69	.43	2.12	.32	.78	104.29	795.18
	74.000	710.64	.00	256.00	.00	.00	1.38	.00	1.15	543.00	586.00
	74.000	711.11	.00	363.00	.00	.00	1.76	.00	1.03	543.00	586.00
	74.000	711.46	.00	443.00	.00	.00	2.00	.00	.95	543.00	586.00
	74.000	711.91	90.68	463.32	.00	.25	1.93	.00	1.06	198.14	586.00
	74.000	712.20	126.19	480.69	37.12	.27	1.90	.23	1.12	189.07	788.93
	74.000	712.48	169.22	516.47	55.31	.30	1.95	.25	1.14	180.47	803.51
	74.000	713.09	286.04	601.24	110.71	.36	2.06	.30	1.16	143.88	826.66
*	75.000	710.59	.00	256.00	.00	.00	2.86	.00	.53	556.50	575.50
*	75.000	711.03	.00	363.00	.00	.00	3.71	.00	.52	556.50	575.50
*	75.000	711.35	.00	443.00	.00	.00	4.25	.00	.51	556.50	575.50
*	75.000	711.74	.00	554.00	.00	.00	4.96	.00	.42	556.50	575.50
*	75.000	711.99	.10	643.90	.00	.08	5.54	.00	.36	169.91	575.50
*	75.000	712.22	2.30	738.63	.07	.18	6.13	.08	.34	163.56	849.47
*	75.000	712.75	62.26	926.50	9.24	.69	7.14	.57	.19	147.98	856.29

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	SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
*	76.000	710.76	4.94	249.02	2.03	.11	.87	.11	2.68	420.00	585.00
*	76.000	711.30	13.31	344.25	5.44	.17	1.04	.17	3.01	420.00	585.00
*	76.000	711.72	21.46	412.83	8.71	.21	1.13	.20	3.24	420.00	585.00
*	76.000	712.24	33.65	501.76	18.58	.25	1.24	.15	3.56	420.00	792.52
*	76.000	712.60	43.33	565.86	34.82	.28	1.30	.16	3.85	420.00	801.93
*	76.000	712.97	58.53	625.97	56.50	.22	1.35	.19	4.18	98.44	806.20
*	76.000	713.71	124.95	757.22	115.84	.23	1.45	.24	7.43	73.71	814.89
	76.500	710.77	1.76	249.77	4.48	.06	.80	.07	1.15	256.73	623.65
	76.500	711.33	8.42	331.11	23.46	.11	.93	.11	1.18	227.58	691.30
	76.500	711.75	16.76	380.00	46.24	.13	.97	.14	1.22	192.04	704.94
	76.500	712.27	32.66	438.51	82.83	.15	1.02	.17	1.27	120.89	721.83
	76.500	712.64	48.65	481.65	113.70	.16	1.04	.19	1.30	91.66	735.44
	76.500	713.00	68.30	524.74	147.96	.18	1.07	.20	1.31	70.46	745.65
	76.500	713.74	123.69	637.63	236.68	.21	1.16	.24	1.29	45.59	763.96
	77.000	710.79	1.75	237.75	16.50	.04	.74	.12	1.05	219.75	698.98
	77.000	711.35	17.92	310.82	34.26	.09	.84	.15	1.08	204.43	768.90
	77.000	711.76	37.05	354.56	51.38	.12	.87	.16	1.10	192.96	821.20
	77.000	712.29	67.35	407.78	78.87	.15	.90	.16	1.11	178.56	886.94
	77.000	712.65	92.73	447.70	103.57	.16	.92	.17	1.12	168.60	928.07
	77.000	713.02	120.80	486.10	134.09	.18	.94	.18	1.13	159.52	941.51
	77.000	713.76	193.16	589.76	215.08	.21	1.01	.21	1.14	141.07	968.81
	77.500	710.81	3.80	249.81	2.39	.12	.95	.08	.80	263.04	485.71
	77.500	711.36	14.39	332.55	16.06	.13	1.11	.11	.78	137.16	680.94
	77.500	711.78	30.00	375.28	37.72	.15	1.14	.14	.78	113.19	689.00
	77.500	712.30	56.76	423.85	73.38	.18	1.17	.18	.79	89.92	689.00
	77.500	712.67	80.23	460.60	103.17	.20	1.19	.20	.79	75.15	689.00
	77.500	713.03	106.97	498.18	135.85	.21	1.21	.22	.79	62.42	689.00
	77.500	713.77	178.14	600.77	219.09	.25	1.30	.26	.80	57.00	689.00
	78.000	710.83	.06	253.45	2.49	.04	.94	.06	.86	225.42	521.00
	78.000	711.39	1.72	340.91	20.37	.09	1.06	.14	.90	188.79	521.00
	78.000	711.80	5.21	397.68	40.12	.11	1.11	.18	.90	161.65	521.00
	78.000	712.32	13.14	470.41	70.45	.14	1.16	.21	.89	127.56	521.00
	78.000	712.69	22.13	526.50	95.36	.16	1.20	.24	.88	106.57	521.00
	78.000	713.05	35.34	583.37	122.29	.18	1.24	.26	.88	95.90	521.00
	78.000	713.79	72.91	733.96	191.13	.24	1.37	.31	.87	87.00	521.00
	79.000	710.87	.01	254.57	1.42	.04	1.07	.07	.98	182.55	331.00
	79.000	711.43	.18	352.49	10.33	.10	1.28	.15	.91	179.46	331.00
	79.000	711.84	.55	421.82	20.63	.13	1.40	.21	.87	177.20	331.00
	79.000	712.36	1.41	515.05	37.54	.17	1.53	.26	.82	174.36	331.00
	79.000	712.72	2.46	589.28	52.25	.20	1.64	.30	.79	169.91	331.00
	79.000	713.08	4.21	667.82	68.96	.22	1.74	.34	.76	160.37	331.00
	79.000	713.81	11.44	873.14	113.42	.28	2.02	.44	.72	152.00	331.00

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SECNO CWSEL QLOB QCH QROB VLOB VCH VROB KRATIO SSTA ENDST

*	79.300	710.87	.00	300.00	.00	.00	1.64	.00	.59	238.17	314.50
*	79.300	711.43	.00	428.00	.00	.00	1.88	.00	.62	233.27	314.50
*	79.300	711.84	.00	518.00	.00	.00	1.98	.00	.64	229.68	314.50
*	79.300	712.35	.00	636.00	.00	.00	2.08	.00	.66	225.18	314.50
*	79.300	712.71	.00	727.00	.00	.00	2.15	.00	.67	223.00	314.50
*	79.300	713.07	.00	822.00	.00	.00	2.21	.00	.69	223.00	314.50
*	79.300	713.81	.00	1060.00	.00	.00	2.41	.00	.73	223.00	314.50
	79.600	710.92	.00	300.00	.00	.00	1.61	.00	1.03	237.73	314.50
	79.600	711.49	.00	428.00	.00	.00	1.85	.00	1.03	232.80	314.50
	79.600	711.90	.00	518.00	.00	.00	1.95	.00	1.02	229.24	314.50
	79.600	712.41	.00	636.00	.00	.00	2.05	.00	1.02	224.76	314.50
	79.600	712.77	.00	727.00	.00	.00	2.12	.00	1.02	223.00	314.50
	79.600	713.13	.00	822.00	.00	.00	2.19	.00	1.02	223.00	314.50
	79.600	713.86	.00	1060.00	.00	.00	2.39	.00	1.01	223.00	314.50
*	80.000	711.02	.20	293.36	6.44	.19	2.89	.30	.59	192.79	287.00
*	80.000	711.59	2.03	399.19	26.79	.33	3.25	.52	.61	185.64	287.00
*	80.000	711.99	4.90	467.41	45.69	.40	3.39	.63	.63	180.57	287.00
*	80.000	712.49	10.72	552.49	72.79	.47	3.53	.74	.64	174.21	287.00
*	80.000	712.85	17.46	615.76	93.78	.55	3.63	.80	.65	170.21	287.00
*	80.000	713.20	26.06	679.92	116.02	.62	3.72	.86	.65	166.36	287.00
*	80.000	713.92	50.59	839.22	170.20	.75	4.01	.98	.65	162.00	287.00
	81.000	711.13	.00	298.36	1.64	.00	2.86	.14	.95	418.51	550.00
	81.000	711.72	.00	398.89	29.11	.00	3.06	.45	.94	411.90	550.00
	81.000	712.14	.00	458.75	59.25	.00	3.03	.58	.95	407.24	550.00
	81.000	712.65	.00	533.13	102.87	.00	2.96	.69	.98	401.43	550.00
	81.000	713.01	.00	593.07	133.93	.00	2.94	.74	1.02	400.00	550.00
	81.000	713.36	.00	658.03	163.97	.00	2.95	.77	1.06	400.00	550.00
	81.000	714.10	.00	822.42	237.58	.00	3.08	.85	1.12	400.00	550.00
*	82.000	711.34	.51	292.22	7.27	.19	2.01	.28	1.53	291.65	391.00
*	82.000	711.92	2.42	405.01	20.57	.28	2.30	.42	1.54	285.81	391.00
*	82.000	712.31	4.80	481.43	31.77	.33	2.44	.49	1.48	281.87	391.00
*	82.000	712.79	9.67	578.78	47.54	.39	2.60	.57	1.41	273.28	391.00
	82.000	713.13	14.92	652.38	59.70	.43	2.71	.62	1.33	263.90	391.00
	82.000	713.46	21.86	727.45	72.69	.46	2.82	.67	1.26	254.39	391.00
	82.000	714.19	44.38	887.82	127.80	.52	2.99	.41	1.20	246.00	1015.87
*	82.300	711.41	.00	300.00	.00	.00	1.18	.00	2.01	365.00	439.00
*	82.300	712.00	.00	428.00	.00	.00	1.44	.00	1.85	365.00	439.00
*	82.300	712.39	.00	518.00	.00	.00	1.58	.00	1.76	365.00	439.00
*	82.300	712.87	.00	636.00	.00	.00	1.75	.00	1.67	365.00	439.00
*	82.300	713.21	.00	727.00	.00	.00	1.88	.00	1.62	365.00	439.00
*	82.300	713.54	.00	822.00	.00	.00	1.99	.00	1.57	365.00	439.00
*	82.300	714.34	.00	499.60	560.39	.00	1.06	.26	3.13	365.00	1152.63

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
82.600	711.41	.00	300.00	.00	.00	1.18	.00	1.00	365.00	439.00	
82.600	712.00	.00	428.00	.00	.00	1.44	.00	1.00	365.00	439.00	
82.600	712.39	.00	518.00	.00	.00	1.58	.00	1.00	365.00	439.00	
82.600	712.87	.00	636.00	.00	.00	1.75	.00	1.00	365.00	439.00	
82.600	713.21	.00	727.00	.00	.00	1.87	.00	1.00	365.00	439.00	
82.600	713.58	.00	822.00	.00	.00	1.98	.00	1.01	365.00	439.00	
82.600	714.47	.00	492.08	567.92	.00	1.02	.25	1.05	365.00	1162.60	
*	83.000	711.37	1.55	297.09	1.36	.30	2.72	.32	.44	102.26	147.65
*	83.000	711.94	6.86	416.86	4.28	.36	3.30	.49	.43	76.52	150.01
*	83.000	712.32	15.27	495.49	7.24	.47	3.60	.59	.44	73.46	151.00
*	83.000	712.79	30.33	593.71	11.95	.59	3.91	.70	.44	69.65	151.00
*	83.000	713.13	44.09	667.07	15.84	.67	4.12	.78	.45	66.96	151.00
*	83.000	713.49	61.06	740.71	20.23	.75	4.29	.84	.45	64.07	151.00
*	83.000	714.33	111.76	915.57	32.68	.91	4.62	.87	.22	61.00	231.65
	84.000	711.44	4.73	295.27	.00	.48	2.52	.00	.94	280.12	335.53
	84.000	712.05	16.22	411.77	.01	.71	2.87	.08	.97	267.45	343.27
	84.000	712.45	27.87	489.28	.85	.81	3.03	.30	1.02	266.00	350.06
	84.000	712.95	45.64	586.01	4.35	.94	3.19	.44	1.08	266.00	358.44
	84.000	713.30	59.96	657.42	9.62	1.02	3.29	.56	1.11	266.00	363.93
	84.000	713.67	75.71	728.59	17.70	1.09	3.37	.65	1.15	266.00	369.61
	84.000	714.54	114.77	892.87	52.36	1.21	3.49	.66	1.21	266.00	464.83
	85.000	711.53	6.11	293.09	.80	.46	2.65	.41	1.11	453.37	508.96
	85.000	712.15	21.79	401.71	4.50	.58	3.11	.29	1.11	406.00	581.70
	85.000	712.55	42.86	454.71	20.43	.65	3.22	.44	1.11	406.00	585.99
	85.000	713.06	76.25	507.70	52.05	.76	3.25	.59	1.14	406.00	591.00
	85.000	713.42	103.06	543.72	80.22	.82	3.26	.68	1.16	406.00	591.00
	85.000	713.80	133.00	575.66	113.34	.87	3.23	.75	1.19	406.00	591.00
	85.000	714.69	206.42	651.07	202.51	.96	3.18	.82	1.23	406.00	640.00
	86.000	711.62	4.36	283.59	12.05	.45	2.56	.44	1.04	532.74	634.31
	86.000	712.28	14.32	368.01	45.67	.57	2.82	.54	1.11	520.07	804.05

86.000	712.68	25.05	410.43	82.53	.61	2.88	.60	1.13	501.90	804.05
86.000	713.18	44.76	450.19	141.05	.62	2.86	.66	1.15	469.71	804.05
86.000	713.54	64.97	472.95	189.07	.61	2.81	.69	1.17	440.94	804.05
86.000	713.91	91.20	488.99	241.81	.61	2.72	.70	1.19	432.26	804.05
86.000	714.79	164.69	516.47	378.84	.62	2.51	.70	1.27	389.72	804.05
87.000	711.79	.00	299.30	.70	.00	2.62	.43	.88	300.52	339.55
87.000	712.43	4.65	420.12	3.23	.35	3.05	.44	.84	260.98	358.22
87.000	712.81	15.90	492.69	9.40	.50	3.24	.51	.81	243.21	374.51
87.000	713.28	39.99	571.55	24.46	.65	3.37	.62	.77	230.17	385.20
87.000	713.62	63.33	623.88	39.79	.73	3.43	.70	.75	221.88	390.35
87.000	713.98	92.61	670.64	58.75	.79	3.43	.77	.73	207.52	395.77
* 87.000	714.83	179.90	764.79	115.31	.88	3.37	.85	.69	191.35	420.96

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
88.000	711.89	.00	300.00	.00	.00	2.79	.00	.72	207.80	257.81
88.000	712.55	.00	428.00	.00	.00	2.97	.00	.75	200.56	260.77
88.000	712.95	.80	489.37	27.82	.24	2.91	.37	.84	180.94	497.83
88.000	713.44	6.81	522.45	106.73	.35	2.63	.52	1.01	154.10	558.17
88.000	713.79	14.83	537.76	174.41	.39	2.45	.55	1.12	135.25	600.54
88.000	714.14	25.93	547.81	248.26	.40	2.27	.56	1.23	115.90	644.03
* 88.000	714.97	65.56	558.47	435.97	.43	1.91	.54	1.48	74.02	727.05
88.300	712.18	.00	295.53	4.47	.00	3.19	.28	.97	360.44	515.63
88.300	712.83	.48	362.40	65.12	.31	3.08	.60	1.11	353.97	660.49
88.300	713.18	1.76	388.18	128.07	.40	2.95	.65	1.11	349.78	666.39
88.300	713.60	4.36	413.30	218.35	.45	2.79	.70	1.03	344.88	673.29
88.300	713.91	7.10	427.69	292.21	.47	2.66	.71	.99	341.14	746.80
88.300	714.23	11.13	438.87	372.00	.51	2.53	.71	.96	336.96	758.66
88.300	715.02	23.92	461.25	574.83	.54	2.25	.70	.89	259.32	786.93
88.600	712.50	.00	274.74	25.26	.00	2.93	.48	1.13	325.27	481.56
88.600	713.08	.00	333.61	94.39	.00	2.91	.71	1.09	323.05	513.76
88.600	713.38	.00	370.88	147.12	.00	2.94	.80	1.00	321.86	529.06
88.600	713.75	.00	415.49	220.51	.00	2.96	.89	.91	320.49	546.94
88.600	714.03	.07	446.75	280.18	.11	2.95	.93	.86	311.85	604.10
88.600	714.34	1.35	472.81	347.85	.24	2.90	.91	.84	292.70	631.62
88.600	715.09	19.34	514.69	525.97	.40	2.66	.88	.81	238.33	671.26
89.000	712.74	.47	250.36	49.16	.35	2.71	.50	1.17	306.34	521.02
89.000	713.27	1.80	295.03	131.17	.45	2.72	.64	1.17	303.73	558.76
89.000	713.56	3.01	322.61	192.38	.50	2.75	.71	1.18	302.28	579.85
89.000	713.92	4.90	354.57	276.53	.54	2.78	.77	1.19	300.55	603.28
89.000	714.18	6.96	375.76	344.28	.55	2.77	.80	1.18	283.88	621.12
89.000	714.47	11.55	391.86	418.59	.46	2.72	.82	1.17	250.41	642.18
89.000	715.18	41.19	416.95	601.87	.44	2.52	.81	1.13	196.32	682.20
89.500	713.01	57.06	223.82	19.12	.61	2.03	.45	1.27	192.11	543.23
89.500	713.49	114.53	243.45	70.02	.68	1.88	.51	1.38	178.19	606.17
* 89.500	713.76	150.99	255.33	111.68	.71	1.82	.55	1.44	174.93	636.68
* 89.500	714.10	196.49	267.51	171.99	.73	1.74	.59	1.53	170.85	655.00
* 89.500	714.35	230.36	276.01	220.62	.74	1.68	.61	1.58	167.81	655.00
* 89.500	714.61	265.30	283.98	272.72	.74	1.63	.63	1.61	165.00	655.00
* 89.500	715.28	351.94	303.27	404.79	.74	1.51	.65	1.61	165.00	655.00
* 90.000	713.16	70.51	135.03	94.46	.46	1.51	.64	1.46	108.29	475.02
90.000	713.60	131.86	154.02	142.13	.54	1.52	.64	1.32	92.14	522.59
90.000	713.85	174.25	166.57	177.19	.59	1.53	.65	1.25	82.73	550.32
90.000	714.17	229.94	179.29	226.76	.62	1.53	.65	1.20	77.00	571.00
90.000	714.41	272.20	187.11	267.69	.64	1.51	.66	1.17	77.00	571.00
90.000	714.67	316.33	194.34	311.33	.66	1.48	.66	1.14	77.00	571.00
90.000	715.32	426.35	210.87	422.78	.68	1.41	.67	1.10	77.00	571.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 91.000	713.25	13.21	275.44	11.34	.49	3.28	.48	.40	361.25	650.87
* 91.000	713.68	71.39	296.10	60.51	.76	3.01	.75	.45	305.90	669.21
* 91.000	713.93	116.55	303.33	98.13	.82	2.85	.83	.48	275.12	679.14
* 91.000	714.24	180.78	306.65	148.57	.85	2.63	.87	.52	239.22	697.39
* 91.000	714.48	232.57	307.01	187.41	.85	2.47	.88	.55	224.00	713.10
* 91.000	714.73	287.60	305.82	228.58	.85	2.31	.87	.58	224.00	724.00
* 91.000	715.36	423.14	304.85	332.00	.83	1.99	.84	.65	224.00	724.00
* 92.000	713.65	46.36	239.83	13.81	.75	2.06	.65	1.75	401.00	525.00
92.000	713.98	81.36	320.26	26.38	1.00	2.47	.89	1.29	401.00	525.00
92.000	714.18	107.81	374.08	36.11	1.16	2.72	1.04	1.10	401.00	525.00
92.000	714.45	145.24	440.61	50.15	1.33	2.97	1.21	.92	401.00	525.00
92.000	714.65	175.40	490.03	61.57	1.45	3.13	1.33	.82	401.00	525.00
92.000	714.87	208.23	539.66	74.11	1.56	3.27	1.43	.73	401.00	525.00

*	92.000	715.44	294.94	657.60	107.46	1.76	3.50	1.63	.58	401.00	525.00
*	92.300	713.67	.00	300.00	.00	.00	1.79	.00	1.49	479.70	520.30
	92.300	714.00	.00	428.00	.00	.00	2.37	.00	1.32	479.70	520.30
	92.300	714.20	.00	518.00	.00	.00	2.74	.00	1.24	479.70	520.30
	92.300	714.46	.00	636.00	.00	.00	3.19	.00	1.15	479.70	520.30
	92.300	714.65	.00	727.00	.00	.00	3.51	.00	1.09	479.70	520.30
	92.300	714.86	.00	822.00	.00	.00	3.81	.00	1.04	479.70	520.30
	92.300	715.40	.00	1060.00	.00	.00	4.46	.00	.93	479.70	520.30
	92.600	713.68	.00	300.00	.00	.00	1.79	.00	1.00	479.70	520.30
	92.600	714.02	.00	428.00	.00	.00	2.36	.00	1.01	479.70	520.30
	92.600	714.22	.00	518.00	.00	.00	2.73	.00	1.01	479.70	520.30
	92.600	714.49	.00	636.00	.00	.00	3.17	.00	1.01	479.70	520.30
	92.600	714.69	.00	727.00	.00	.00	3.48	.00	1.01	479.70	520.30
	92.600	714.90	.00	822.00	.00	.00	3.78	.00	1.01	479.70	520.30
	92.600	715.46	.00	1060.00	.00	.00	4.42	.00	1.02	479.70	520.30
*	93.000	713.68	17.06	281.86	1.08	.39	2.18	.60	.66	451.00	537.27
	93.000	714.02	31.14	394.26	2.60	.55	2.74	.85	.70	451.00	538.29
	93.000	714.23	42.17	471.78	4.05	.64	3.08	1.01	.73	451.00	538.91
	93.000	714.51	58.14	571.33	6.54	.76	3.47	1.19	.76	451.00	539.74
	93.000	714.71	71.19	646.63	9.18	.84	3.73	1.36	.78	451.00	541.00
	93.000	714.94	85.55	723.67	12.78	.92	3.96	1.55	.81	451.00	541.00
	93.000	715.55	125.73	909.58	24.69	1.07	4.35	1.96	.88	451.00	541.00
	94.000	713.71	29.40	268.23	2.37	.29	2.24	.48	.96	320.00	533.99
	94.000	714.08	68.27	351.35	8.38	.42	2.60	.72	1.05	320.00	541.93
	94.000	714.32	99.33	402.99	15.68	.50	2.79	.89	1.11	320.00	547.98
	94.000	714.63	144.28	462.83	28.89	.58	2.94	1.04	1.18	320.00	555.99
	94.000	714.87	180.34	504.75	41.91	.63	3.03	1.14	1.24	320.00	560.00
	94.000	715.12	219.28	544.17	58.55	.67	3.08	1.25	1.31	320.00	560.00
*	94.000	715.79	320.76	631.44	107.80	.74	3.10	1.46	1.43	320.00	560.00

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	SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
	95.000	713.75	37.96	259.92	2.12	.28	2.14	.48	1.06	213.34	491.99
	95.000	714.14	88.62	332.59	6.79	.38	2.43	.66	1.09	185.00	498.21
	95.000	714.38	129.86	375.39	12.75	.44	2.56	.72	1.10	185.00	524.73
	95.000	714.71	188.81	419.08	28.11	.50	2.62	.80	1.14	185.00	539.89
	95.000	714.95	234.19	448.68	44.14	.53	2.65	.89	1.16	185.00	540.00
	95.000	715.20	282.42	475.87	63.71	.56	2.65	.98	1.18	185.00	540.00
	95.000	715.87	405.20	533.98	120.82	.60	2.59	1.15	1.22	185.00	540.00
	96.000	713.83	44.45	255.01	.53	.26	1.80	.43	1.16	241.85	552.01
	96.000	714.22	97.56	328.87	1.57	.35	2.05	.58	1.17	183.77	553.45
	96.000	714.47	141.86	373.55	2.59	.39	2.16	.66	1.17	133.63	554.36
	96.000	714.78	208.35	423.36	4.30	.42	2.25	.74	1.15	77.83	555.52
	96.000	715.02	264.71	456.43	5.86	.44	2.28	.79	1.14	54.42	556.39
	96.000	715.27	327.71	486.56	7.73	.46	2.29	.82	1.14	38.61	557.32
	96.000	715.92	497.85	547.22	14.93	.49	2.24	.64	1.14	15.83	651.08
	97.000	713.95	19.34	259.00	21.67	.20	1.63	.65	1.05	135.29	707.57
	97.000	714.36	65.62	319.35	43.02	.23	1.74	.79	1.13	112.39	717.07
	97.000	714.61	108.22	350.96	58.82	.27	1.77	.85	1.17	107.19	724.63
	97.000	714.92	169.36	385.54	81.10	.30	1.78	.89	1.22	100.71	736.15
	97.000	715.15	218.44	409.09	99.47	.32	1.77	.90	1.24	96.25	748.63
	97.000	715.39	271.11	430.42	120.47	.34	1.76	.90	1.26	91.62	765.24
	97.000	716.02	404.97	471.19	183.85	.36	1.67	.86	1.30	58.45	804.33
*	98.000	714.09	.00	260.67	39.33	.00	2.81	1.01	.61	734.61	817.47
*	98.000	714.48	.00	345.22	82.78	.00	3.29	1.33	.53	732.63	831.56
*	98.000	714.72	11.91	386.75	119.34	.14	3.42	1.49	.51	12.21	841.11
*	98.000	715.03	85.17	392.35	158.48	.28	3.18	1.51	.55	10.22	853.94
*	98.000	715.25	154.35	388.48	184.17	.33	2.97	1.46	.59	8.77	863.31
*	98.000	715.48	230.36	382.12	209.52	.36	2.76	1.40	.62	7.25	873.13
	98.000	716.09	421.51	365.99	272.50	.39	2.31	1.22	.70	3.31	898.61
	98.300	714.31	23.62	253.08	23.29	.22	3.18	.59	.97	147.87	945.63
*	98.300	714.78	115.13	231.05	81.82	.29	2.59	.81	1.43	97.91	954.33
*	98.300	715.02	177.82	225.43	114.75	.31	2.40	.86	1.61	78.39	958.72
*	98.300	715.26	252.86	229.08	154.07	.34	2.32	.92	1.51	72.04	964.89
*	98.300	715.44	311.44	231.08	184.48	.36	2.26	.95	1.43	67.28	970.06
	98.300	715.63	374.03	231.23	216.74	.37	2.18	.97	1.36	62.07	975.72
	98.300	716.17	533.74	226.05	300.20	.38	1.93	.97	1.25	57.06	985.83
	98.600	714.61	28.61	266.79	4.61	.25	2.46	.61	1.23	200.35	892.11
	98.600	714.95	85.75	329.78	12.47	.34	2.74	.82	.89	166.82	899.10
	98.600	715.17	140.11	357.96	19.94	.36	2.81	.91	.81	153.96	913.83
	98.600	715.39	217.56	387.09	31.35	.40	2.87	.97	.77	144.02	923.69
	98.600	715.56	282.17	403.17	41.66	.43	2.87	1.01	.75	136.84	927.84
	98.600	715.74	353.97	414.25	53.78	.45	2.83	1.05	.74	129.39	932.34
	98.600	716.25	547.24	421.88	90.89	.47	2.57	1.06	.73	107.44	947.20

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
99.000	714.80	19.51	280.37	.12	.15	2.49	.24	.92	186.52	873.89
99.000	715.16	104.19	322.06	1.76	.29	2.55	.46	1.02	162.12	882.75
99.000	715.37	170.14	343.97	3.89	.34	2.56	.54	1.04	148.24	887.79
99.000	715.58	254.43	374.17	7.40	.39	2.62	.63	1.04	133.73	893.05
99.000	715.74	321.61	394.61	10.78	.42	2.65	.68	1.03	123.21	896.87
99.000	715.90	394.83	412.08	15.09	.45	2.65	.72	1.01	111.99	900.95
99.000	716.36	590.08	439.85	30.07	.49	2.54	.79	.96	80.92	912.22
99.500	715.04	3.99	296.01	.00	.12	2.14	.00	1.08	193.60	835.33
99.500	715.37	54.93	373.07	.00	.24	2.37	.00	.98	160.01	837.51
99.500	715.56	107.56	410.44	.00	.30	2.43	.00	.95	144.38	838.79
99.500	715.77	180.11	455.89	.00	.37	2.52	.01	.93	133.01	840.90
99.500	715.92	238.27	488.62	.12	.41	2.57	.21	.93	126.30	846.46
99.500	716.08	302.48	518.90	.62	.44	2.61	.31	.92	119.54	852.25
99.500	716.50	479.86	574.09	6.05	.49	2.56	.53	.90	106.28	875.64
100.000	715.24	53.71	246.08	.21	.25	2.16	.40	1.15	341.76	786.60
100.000	715.59	124.00	303.31	.70	.34	2.41	.56	1.16	284.21	787.49
100.000	715.78	176.55	340.30	1.15	.39	2.57	.65	1.11	253.37	787.97
100.000	715.99	247.89	386.27	1.84	.45	2.77	.76	1.07	219.97	788.48
100.000	716.14	305.51	419.05	2.44	.49	2.90	.83	1.03	196.71	788.84
100.000	716.29	368.70	450.14	3.16	.52	3.01	.89	1.00	172.99	789.21
100.000	716.69	548.50	505.94	5.56	.59	3.11	.99	.93	153.00	794.75
100.500	715.37	5.35	269.65	25.00	.15	1.76	.43	1.06	429.79	826.70
100.500	715.73	27.15	322.29	78.56	.21	1.84	.64	1.15	269.23	851.81
100.500	715.93	47.94	352.68	117.37	.24	1.89	.73	1.21	215.34	860.71
100.500	716.15	79.29	388.00	168.71	.27	1.94	.82	1.28	166.96	863.05
100.500	716.31	105.87	412.61	208.52	.30	1.98	.88	1.33	155.27	864.68
100.500	716.46	135.45	436.03	250.52	.32	2.00	.94	1.37	145.74	866.32
* 100.500	716.85	217.19	484.62	358.18	.36	2.01	1.03	1.42	125.00	870.43
101.000	715.48	11.44	185.27	103.29	.14	1.54	.50	1.37	331.72	882.09
101.000	715.84	26.70	210.98	190.32	.18	1.60	.59	1.35	263.09	937.10
101.000	716.03	39.07	226.58	252.35	.19	1.63	.63	1.34	224.25	968.23
101.000	716.25	56.66	245.23	334.10	.21	1.68	.68	1.33	180.65	1003.18
101.000	716.40	71.29	257.79	397.93	.22	1.70	.71	1.32	149.92	1027.81
101.000	716.56	87.50	269.20	465.31	.23	1.72	.73	1.32	119.30	1052.35
101.000	716.93	137.76	282.47	639.77	.26	1.67	.77	1.35	118.00	1067.42
102.000	715.52	23.21	223.36	53.43	.21	2.12	.56	.75	224.76	683.00
102.000	715.87	58.16	251.30	118.54	.28	2.19	.75	.75	178.00	683.00
102.000	716.06	84.62	269.80	163.58	.31	2.25	.85	.74	178.00	683.00
102.000	716.28	120.24	293.42	222.34	.36	2.33	.96	.73	178.00	683.00
102.000	716.44	148.50	310.52	267.98	.39	2.39	1.04	.73	178.00	683.00
102.000	716.59	178.72	327.20	316.09	.42	2.44	1.11	.72	178.00	683.00
* 102.000	716.96	257.23	364.18	438.59	.48	2.53	1.26	.67	178.00	683.00

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 103.000	715.57	15.31	253.44	31.25	.34	3.16	.93	.60	259.00	542.00
* 103.000	715.91	44.80	309.93	73.27	.47	3.51	1.26	.56	259.00	542.00
* 103.000	716.10	68.37	343.66	105.97	.55	3.71	1.44	.54	259.00	542.00
* 103.000	716.32	100.59	383.72	151.69	.65	3.92	1.65	.53	259.00	542.00
* 103.000	716.47	126.21	411.44	189.34	.71	4.06	1.77	.53	259.00	542.00
* 103.000	716.63	153.53	437.73	230.75	.77	4.18	1.87	.53	259.00	542.00
* 103.000	716.99	222.78	492.13	345.08	.89	4.35	2.08	.53	259.00	542.00
* 104.000	715.73	13.99	252.98	33.03	.24	1.69	.64	2.09	259.00	419.00
* 104.000	716.07	27.53	337.55	62.92	.35	2.05	.89	1.91	259.00	419.00
* 104.000	716.26	37.69	395.11	85.20	.41	2.29	1.06	1.80	259.00	419.00
* 104.000	716.48	51.66	468.69	115.65	.49	2.58	1.26	1.69	259.00	419.00
* 104.000	716.62	62.90	524.04	140.06	.55	2.79	1.40	1.61	259.00	419.00
* 104.000	716.76	75.05	580.60	166.35	.61	3.00	1.55	1.54	259.00	419.00
104.000	717.09	107.14	717.38	235.49	.74	3.46	1.88	1.38	259.00	419.00
104.300	715.76	.00	181.00	.00	.00	1.03	.00	1.15	379.70	420.30
104.300	716.11	.00	277.00	.00	.00	1.46	.00	1.05	379.70	420.30
104.300	716.30	.00	345.00	.00	.00	1.75	.00	1.00	379.70	420.30
104.300	716.51	.00	435.00	.00	.00	2.11	.00	.95	379.70	420.30
104.300	716.65	.00	502.00	.00	.00	2.38	.00	.92	379.70	420.30
104.300	716.79	.00	578.00	.00	.00	2.67	.00	.90	379.70	420.30
104.300	717.12	.00	757.00	.00	.00	3.29	.00	.84	379.70	420.30
104.600	715.77	.00	181.00	.00	.00	1.04	.00	.87	379.70	420.30
104.600	716.12	.00	277.00	.00	.00	1.47	.00	.86	379.70	420.30
104.600	716.31	.00	345.00	.00	.00	1.75	.00	.86	379.70	420.30
104.600	716.53	.00	435.00	.00	.00	2.12	.00	.86	379.70	420.30

104.600	716.67	.00	502.00	.00	.00	2.38	.00	.86	379.70	420.30
104.600	716.81	.00	578.00	.00	.00	2.66	.00	.86	379.70	420.30
104.600	717.15	.00	757.00	.00	.00	3.28	.00	.85	379.70	420.30
105.000	715.77	.00	181.00	.00	.00	1.11	.00	.89	252.24	300.00
105.000	716.13	.00	277.00	.00	.00	1.54	.00	.92	251.70	300.00
105.000	716.33	.00	345.00	.00	.00	1.82	.00	.94	251.41	300.00
105.000	716.54	.00	435.00	.00	.00	2.18	.00	.96	251.08	300.00
105.000	716.69	.00	502.00	.00	.00	2.43	.00	.97	251.00	300.00
105.000	716.84	.00	578.00	.00	.00	2.70	.00	.99	251.00	300.00
105.000	717.19	.00	757.00	.00	.00	3.28	.00	1.02	251.00	300.00
106.000	715.82	.00	181.00	.00	.00	1.20	.00	.97	275.00	316.85
106.000	716.21	.00	277.00	.00	.00	1.65	.00	.96	275.00	318.40
106.000	716.43	.00	345.00	.00	.00	1.95	.00	.96	275.00	319.28
106.000	716.68	.00	435.00	.00	.00	2.31	.00	.97	275.00	320.00
106.000	716.85	.00	502.00	.00	.00	2.56	.00	.98	275.00	320.00
106.000	717.02	.00	578.00	.00	.00	2.83	.00	.99	275.00	320.00
106.000	717.43	.00	757.00	.00	.00	3.40	.00	1.00	275.00	320.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
106.300	715.82	.00	181.00	.00	.00	1.31	.00	.78	276.64	327.00
106.300	716.22	.00	277.00	.00	.00	1.75	.00	.83	275.60	327.00
106.300	716.44	.00	345.00	.00	.00	2.03	.00	.86	275.01	327.00
106.300	716.70	.00	435.00	.00	.00	2.37	.00	.88	274.34	327.00
106.300	716.87	.00	502.00	.00	.00	2.61	.00	.89	273.87	327.00
106.300	717.05	.00	578.00	.00	.00	2.86	.00	.89	273.40	327.00
106.300	717.47	.00	757.00	.00	.00	3.37	.00	.91	273.00	327.00
106.600	715.83	.00	181.00	.00	.00	1.30	.00	1.01	276.62	327.00
106.600	716.24	.00	277.00	.00	.00	1.74	.00	1.01	275.55	327.00
106.600	716.47	.00	345.00	.00	.00	2.01	.00	1.01	274.94	327.00
106.600	716.73	.00	435.00	.00	.00	2.35	.00	1.02	274.23	327.00
106.600	716.92	.00	502.00	.00	.00	2.57	.00	1.02	273.74	327.00
106.600	717.11	.00	578.00	.00	.00	2.82	.00	1.02	273.25	327.00
106.600	717.55	.00	757.00	.00	.00	3.30	.00	1.04	273.00	327.00
107.000	715.84	.22	177.94	2.84	.11	1.34	.42	1.19	95.21	142.27
107.000	716.24	.81	268.83	7.36	.18	1.84	.68	1.14	92.91	143.36
107.000	716.47	1.46	332.17	11.38	.23	2.16	.86	1.12	91.58	143.99
107.000	716.74	2.59	414.84	17.57	.30	2.55	1.08	1.10	90.04	144.72
107.000	716.92	3.66	475.51	22.83	.34	2.82	1.23	1.08	88.98	145.22
107.000	717.11	5.03	543.80	29.16	.39	3.11	1.40	1.07	87.92	145.72
107.000	717.55	9.42	700.57	47.00	.50	3.70	1.76	1.04	85.39	146.92
* 109.000	715.86	.15	180.60	.25	.11	1.00	.10	1.41	140.85	201.53
* 109.000	716.28	.61	274.78	1.61	.20	1.38	.17	1.41	138.66	207.38
* 109.000	716.52	1.18	340.43	3.38	.26	1.62	.24	1.41	136.99	210.74
* 109.000	716.80	2.24	426.08	6.69	.33	1.91	.31	1.41	135.04	214.67
* 109.000	717.00	3.28	488.83	9.89	.37	2.11	.37	1.41	133.68	217.41
* 109.000	717.21	4.68	559.13	14.19	.43	2.32	.43	1.42	132.28	220.07
* 109.000	717.69	9.31	718.91	28.78	.53	2.75	.59	1.43	129.00	222.06
110.000	715.86	.21	179.38	1.41	.10	.89	.16	1.11	155.25	223.01
110.000	716.29	.78	272.55	3.67	.17	1.22	.25	1.11	152.92	224.48
110.000	716.54	1.41	337.88	5.71	.22	1.43	.32	1.12	151.56	225.34
110.000	716.83	2.53	423.59	8.88	.28	1.68	.40	1.12	149.98	226.35
110.000	717.03	3.62	486.74	11.63	.32	1.86	.46	1.12	148.83	227.07
110.000	717.24	5.05	557.96	14.99	.37	2.05	.52	1.12	147.69	227.80
110.000	717.73	9.57	723.04	24.40	.47	2.43	.65	1.12	145.00	229.50
111.000	715.87	.16	175.53	5.31	.09	.84	.15	1.09	148.05	247.69
111.000	716.30	.60	262.84	13.56	.16	1.14	.24	1.10	146.11	251.48
111.000	716.55	1.07	323.09	20.84	.20	1.33	.30	1.11	144.97	253.70
111.000	716.85	1.92	401.11	31.96	.25	1.55	.38	1.12	143.63	256.30
111.000	717.06	2.74	457.82	41.43	.29	1.70	.43	1.12	142.67	258.16
111.000	717.27	3.81	521.32	52.87	.33	1.87	.49	1.13	141.70	260.03
111.000	717.78	7.46	664.01	85.53	.41	2.18	.61	1.15	132.39	262.59

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
112.000	715.87	.00	175.70	5.30	.00	.91	.16	.90	178.29	269.55
112.000	716.30	.22	263.10	13.68	.10	1.23	.26	.90	171.85	274.27
112.000	716.56	.68	323.19	21.13	.14	1.43	.33	.91	168.05	277.05
112.000	716.86	1.78	400.58	32.64	.20	1.67	.41	.91	163.59	280.15
112.000	717.07	3.02	456.28	42.70	.24	1.82	.47	.91	160.46	281.19
112.000	717.28	5.20	517.92	54.88	.29	1.99	.53	.92	149.92	282.28
112.000	717.79	14.82	654.48	87.69	.37	2.30	.66	.92	122.53	284.80

113.000	715.88	.48	172.17	8.34	.10	.90	.16	1.01	189.49	309.24
113.000	716.31	1.77	254.32	20.91	.17	1.20	.26	1.02	184.30	313.80
113.000	716.57	3.17	310.04	31.79	.22	1.39	.33	1.03	181.24	316.49
113.000	716.87	5.97	380.90	48.14	.28	1.61	.40	1.04	176.62	319.66
113.000	717.09	8.73	431.31	61.97	.33	1.75	.46	1.05	173.03	320.76
113.000	717.31	12.42	486.80	78.78	.38	1.90	.52	1.06	169.20	321.71
113.000	717.82	24.17	609.89	122.94	.44	2.18	.64	1.06	115.70	323.89
114.000	715.89	.65	163.73	16.62	.10	.83	.15	1.07	222.32	420.21
114.000	716.33	2.64	233.94	40.42	.16	1.07	.24	1.12	201.21	425.01
114.000	716.60	5.34	279.58	60.08	.19	1.20	.29	1.14	184.39	427.85
114.000	716.91	10.84	335.73	88.43	.23	1.35	.36	1.18	164.97	431.20
114.000	717.13	16.62	374.17	111.21	.26	1.44	.40	1.21	155.49	433.61
114.000	717.36	24.36	416.07	137.56	.29	1.54	.44	1.23	148.32	436.06
114.000	717.88	48.92	503.54	204.54	.36	1.70	.52	1.28	135.44	446.24
115.000	715.90	2.50	160.86	17.64	.13	.85	.15	.98	197.95	438.43
115.000	716.35	7.68	225.20	44.12	.20	1.07	.23	1.00	179.57	441.58
115.000	716.61	12.92	266.10	65.98	.23	1.20	.28	1.01	166.57	442.59
115.000	716.93	21.73	315.92	97.35	.28	1.33	.34	1.02	153.45	443.78
115.000	717.15	29.67	350.15	122.18	.31	1.41	.38	1.03	145.43	444.61
115.000	717.38	39.73	387.26	151.02	.34	1.50	.42	1.03	139.45	445.48
115.000	717.91	68.40	465.57	223.03	.41	1.64	.50	1.04	135.80	447.48
* 116.000	715.91	6.55	140.97	33.48	.21	1.28	.26	.63	142.61	403.66
* 116.000	716.36	16.14	189.99	70.87	.28	1.54	.34	.67	125.91	427.36
* 116.000	716.63	24.74	218.90	101.36	.33	1.67	.39	.69	116.39	440.12
116.000	716.94	39.32	247.92	147.77	.39	1.76	.45	.72	109.26	441.55
116.000	717.17	51.04	267.23	183.73	.43	1.82	.48	.75	104.29	442.54
116.000	717.40	64.87	288.19	224.95	.46	1.88	.52	.77	99.11	443.58
116.000	717.93	100.66	330.89	325.45	.52	1.96	.59	.81	87.19	445.96
117.000	715.94	2.93	131.78	46.29	.19	1.20	.25	1.04	188.55	456.88
117.000	716.40	8.79	170.68	97.53	.26	1.38	.34	1.09	169.89	468.19
117.000	716.68	14.65	194.44	135.90	.30	1.47	.40	1.11	152.57	475.97
117.000	717.00	24.59	222.53	187.88	.33	1.57	.45	1.10	137.21	480.75
117.000	717.22	33.45	241.31	227.24	.36	1.63	.49	1.10	131.98	481.69
117.000	717.45	44.42	261.69	271.89	.39	1.69	.52	1.10	126.54	482.67
117.000	717.98	74.76	303.80	378.45	.45	1.78	.59	1.09	116.55	484.90

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
118.000	715.98	1.08	145.27	34.65	.18	1.23	.24	.96	316.07	552.49
118.000	716.44	3.80	192.56	80.64	.25	1.45	.34	.95	304.37	574.77
118.000	716.71	6.74	221.28	116.98	.28	1.56	.40	.94	283.25	588.53
118.000	717.03	13.11	254.60	167.30	.29	1.67	.45	.94	251.48	603.70
118.000	717.26	19.90	276.15	205.95	.31	1.73	.48	.94	238.40	612.76
118.000	717.49	29.17	298.75	250.07	.34	1.78	.52	.95	233.32	621.99
118.000	718.02	56.36	343.35	357.29	.40	1.85	.57	.96	221.73	640.18
119.000	716.01	.00	151.48	29.52	.00	1.58	.30	.73	170.78	340.79
119.000	716.48	.00	205.96	71.04	.00	1.88	.40	.71	169.37	387.82
119.000	716.76	.05	236.12	108.83	.08	2.00	.47	.71	160.59	405.63
119.000	717.08	1.01	269.71	164.28	.16	2.10	.55	.73	143.06	417.37
119.000	717.30	2.80	292.13	207.07	.21	2.16	.59	.74	130.94	425.49
119.000	717.53	5.96	316.05	255.99	.25	2.22	.64	.74	118.32	433.94
119.000	718.06	18.92	363.68	374.40	.33	2.29	.71	.75	89.64	453.15
120.000	716.07	9.61	163.92	7.48	.26	1.34	.23	1.16	139.41	308.96
120.000	716.55	25.85	226.84	24.31	.37	1.60	.34	1.20	126.04	333.15
120.000	716.83	39.46	265.85	39.69	.43	1.74	.40	1.18	118.43	347.09
120.000	717.15	59.40	312.40	63.20	.50	1.88	.46	1.15	110.19	364.73
120.000	717.37	75.29	343.82	82.89	.54	1.97	.50	1.13	104.52	377.36
120.000	717.60	93.82	377.53	106.64	.58	2.06	.54	1.11	98.92	390.86
120.000	718.12	141.30	444.82	170.87	.65	2.17	.60	1.08	87.46	420.96
121.000	716.12	6.97	153.89	20.14	.24	1.26	.24	1.06	211.33	445.87
121.000	716.61	18.67	204.17	54.16	.33	1.44	.34	1.12	194.30	463.38
121.000	716.89	28.63	235.21	81.16	.37	1.53	.39	1.14	185.22	470.88
121.000	717.22	43.33	273.01	118.66	.42	1.64	.45	1.15	173.34	479.46
121.000	717.44	55.41	298.70	147.89	.45	1.70	.49	1.16	164.16	484.83
121.000	717.67	70.03	326.38	181.59	.48	1.77	.52	1.16	154.81	490.35
121.000	718.19	108.98	383.96	264.05	.53	1.87	.59	1.16	137.09	504.91
122.000	716.16	.00	132.47	48.53	.00	1.06	.25	1.26	193.87	489.99
122.000	716.66	.18	176.84	99.98	.04	1.23	.32	1.19	123.10	495.76
122.000	716.94	3.28	201.09	140.63	.13	1.30	.36	1.20	114.53	499.19
122.000	717.27	10.36	229.97	194.67	.20	1.38	.41	1.21	104.71	503.12
122.000	717.49	17.13	249.68	235.19	.23	1.42	.44	1.22	98.02	505.79
122.000	717.72	25.84	271.09	281.07	.27	1.47	.47	1.22	91.06	508.58
122.000	718.24	50.66	316.42	389.92	.33	1.55	.52	1.22	75.56	514.77
123.000	716.18	9.04	168.37	3.60	.20	1.18	.10	.90	257.50	580.49
123.000	716.68	26.55	222.85	27.60	.29	1.37	.21	.94	233.35	592.02

123.000	716.97	41.00	253.90	50.09	.33	1.45	.27	.93	220.31	598.47
123.000	717.30	61.91	288.49	84.60	.38	1.53	.33	.93	207.66	607.35
123.000	717.52	78.48	311.45	112.07	.40	1.58	.36	.94	199.17	613.63
123.000	717.75	98.06	335.88	144.06	.43	1.62	.39	.94	191.17	620.08
123.000	718.27	147.60	385.27	224.13	.47	1.68	.46	.95	176.46	626.64

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
124.000	716.22	3.84	174.25	2.91	.11	1.34	.11	.85	134.69	468.01
124.000	716.72	30.20	223.21	23.59	.25	1.49	.25	.89	122.04	483.42
124.000	717.01	53.33	249.78	41.89	.30	1.55	.30	.91	99.78	488.62
124.000	717.34	86.94	280.46	67.60	.36	1.61	.36	.93	82.98	494.58
124.000	717.56	113.66	300.83	87.51	.39	1.64	.39	.94	75.54	498.63
124.000	717.79	144.79	322.64	110.58	.42	1.67	.43	.95	69.28	504.54
124.000	718.31	222.01	367.55	167.44	.47	1.72	.48	.96	58.90	519.50
* 125.000	716.20	.00	181.00	.00	.00	3.64	.00	.23	391.20	420.01
* 125.000	716.65	1.15	275.45	.40	.09	4.34	.09	.21	150.44	507.41
* 125.000	716.96	25.42	310.29	9.29	.29	4.23	.28	.24	141.32	521.47
* 125.000	717.32	69.36	339.19	26.45	.39	4.00	.37	.27	130.81	537.68
* 125.000	717.55	102.92	358.79	40.30	.43	3.89	.40	.30	123.89	548.35
* 125.000	717.79	140.37	381.22	56.41	.46	3.81	.43	.31	116.83	559.25
* 125.000	718.32	229.12	430.81	97.07	.51	3.69	.46	.35	101.39	583.06
* 126.000	716.75	19.85	119.50	41.65	.22	2.29	.25	2.00	163.96	571.95
* 126.000	717.26	49.93	140.10	86.97	.26	2.25	.30	2.48	68.29	578.03
* 126.000	717.49	72.53	156.93	115.53	.29	2.34	.33	2.21	44.56	580.79
* 126.000	717.76	104.53	177.87	152.60	.32	2.46	.37	1.90	18.08	583.73
* 126.000	717.95	130.21	191.86	179.93	.33	2.52	.39	1.76	.00	585.80
* 126.000	718.15	160.70	206.71	210.59	.35	2.58	.42	1.66	.00	588.03
* 126.000	718.61	236.55	238.20	282.25	.39	2.66	.45	1.51	.00	630.47
127.000	716.97	94.79	82.74	3.47	.31	2.67	.34	.96	236.52	646.05
127.000	717.43	178.19	93.01	5.81	.33	2.64	.34	.91	108.89	650.13
127.000	717.66	236.50	101.03	7.47	.36	2.71	.36	.92	95.30	652.20
127.000	717.93	314.08	111.17	9.75	.39	2.80	.37	.93	84.42	654.55
127.000	718.12	372.41	117.89	11.69	.41	2.85	.36	.93	77.01	701.15
127.000	718.32	438.50	124.90	14.60	.43	2.89	.34	.93	69.32	703.11
127.000	718.77	593.48	138.95	24.57	.47	2.94	.33	.93	51.54	707.52
* 128.000	717.06	78.15	95.77	7.08	.12	1.07	.12	3.22	300.28	1014.34
* 128.000	717.51	140.42	124.14	12.44	.15	1.24	.15	2.71	245.02	1025.40
* 128.000	717.75	185.69	142.97	16.34	.17	1.36	.17	2.54	216.24	1031.15
* 128.000	718.02	247.27	166.04	21.69	.19	1.49	.19	2.38	183.42	1037.72
* 128.000	718.20	294.43	181.73	25.83	.20	1.57	.20	2.29	160.65	1042.27
* 128.000	718.40	348.93	198.38	30.68	.22	1.65	.21	2.21	136.22	1047.16
* 128.000	718.85	481.62	232.33	43.06	.24	1.78	.23	2.07	98.12	1054.85
* 129.000	717.10	46.55	133.05	1.40	.15	1.55	.16	.67	165.71	510.84
* 129.000	717.55	95.54	178.94	2.52	.15	1.86	.19	.65	152.50	512.39
* 129.000	717.79	131.68	209.96	3.36	.25	2.07	.22	.64	146.14	513.21
* 129.000	718.06	181.59	248.86	4.55	.29	2.31	.25	.63	139.54	514.13
* 129.000	718.25	220.41	276.11	5.48	.32	2.46	.27	.63	137.42	514.77
* 129.000	718.45	265.66	305.74	6.60	.35	2.62	.29	.62	135.17	515.46
* 129.000	718.89	376.77	370.77	9.46	.41	2.92	.33	.60	130.17	516.98

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
130.000	717.15	11.42	161.45	8.13	.08	1.13	.13	1.35	127.65	488.32
130.000	717.62	33.92	227.40	15.69	.13	1.41	.17	1.30	117.15	508.16
130.000	717.87	52.13	271.24	21.63	.16	1.58	.19	1.29	111.58	518.68
130.000	718.15	78.57	326.19	30.24	.19	1.79	.22	1.28	105.23	530.67
130.000	718.35	100.33	364.31	37.35	.22	1.91	.23	1.28	100.63	539.36
130.000	718.56	125.83	406.32	45.85	.24	2.04	.25	1.28	95.96	548.18
130.000	719.01	190.99	496.23	69.78	.29	2.28	.29	1.28	87.75	562.85
131.000	717.18	1.35	178.61	1.04	.07	1.04	.04	.95	318.93	604.11
131.000	717.65	5.75	260.50	10.75	.12	1.30	.09	.96	316.18	628.09
131.000	717.91	9.62	315.00	20.38	.14	1.46	.13	.97	314.72	637.34
131.000	718.20	15.34	384.24	35.42	.18	1.65	.16	.98	313.07	644.20
131.000	718.39	20.07	433.64	48.29	.20	1.77	.19	.98	311.93	648.12
131.000	718.60	25.79	488.05	64.16	.23	1.89	.21	.98	310.71	652.30
131.000	719.06	40.54	610.36	106.11	.28	2.14	.26	.98	308.05	663.89
132.000	717.22	.03	174.93	6.04	.04	1.06	.07	.95	374.21	663.50
132.000	717.71	.43	252.61	23.96	.07	1.30	.12	.97	365.36	679.19
132.000	717.97	.95	304.60	39.45	.09	1.45	.15	.98	360.62	688.43
132.000	718.27	3.75	369.05	62.20	.09	1.62	.19	1.00	255.28	699.08
132.000	718.47	7.55	413.92	80.53	.11	1.73	.21	1.01	251.66	708.43
132.000	718.69	13.03	462.49	102.48	.13	1.83	.23	1.02	247.80	718.72

132.000	719.16	29.63	569.11	158.26	.18	2.03	.27	1.04	238.68	740.09
133.000	717.25	44.91	94.90	41.19	.19	1.39	.17	1.00	147.09	481.34
133.000	717.75	75.32	128.35	73.33	.24	1.70	.22	.97	133.53	524.00
133.000	718.02	97.10	150.32	97.57	.28	1.89	.24	.95	126.22	546.98
133.000	718.32	126.24	177.33	131.43	.31	2.11	.27	.94	117.86	573.28
133.000	718.53	148.18	195.78	158.03	.34	2.25	.29	.93	112.03	591.62
133.000	718.75	173.03	214.98	189.99	.36	2.38	.32	.92	106.34	600.12
133.000	719.23	231.90	255.37	269.73	.41	2.61	.36	.91	94.39	607.05
134.000	717.29	17.54	160.34	3.12	.10	.88	.08	1.33	202.10	557.99
134.000	717.79	36.42	228.56	12.02	.14	1.08	.09	1.36	195.19	632.66
134.000	718.07	50.40	273.37	21.23	.16	1.20	.11	1.38	192.19	662.99
134.000	718.38	69.49	329.39	36.12	.19	1.35	.13	1.39	188.76	675.55
134.000	718.59	84.10	369.10	48.80	.21	1.44	.15	1.40	186.43	680.99
* 134.000	718.82	100.98	412.55	64.47	.23	1.53	.17	1.40	183.98	683.18
134.000	719.30	141.84	509.95	105.21	.27	1.72	.21	1.39	177.98	687.86
135.000	717.32	87.18	55.66	38.16	.14	.90	.11	1.15	132.93	684.79
135.000	717.84	135.43	74.38	67.18	.17	1.08	.14	1.16	115.91	702.33
135.000	718.12	169.64	87.02	88.34	.20	1.19	.16	1.15	106.81	711.71
135.000	718.44	214.99	102.74	117.27	.22	1.33	.19	1.14	96.23	722.61
135.000	718.65	248.81	113.78	139.41	.24	1.41	.20	1.14	90.30	731.84
135.000	718.88	287.17	125.61	165.21	.25	1.50	.22	1.13	87.56	746.93
135.000	719.37	377.25	151.55	228.20	.29	1.67	.25	1.13	81.60	779.72

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 136.000	717.35	21.68	155.09	4.23	.12	1.25	.10	.59	228.65	613.94
* 136.000	717.87	51.84	211.22	13.94	.17	1.46	.14	.63	210.67	646.45
* 136.000	718.15	75.00	247.46	22.55	.19	1.58	.16	.65	200.34	662.33
* 136.000	718.47	107.36	292.07	35.57	.22	1.73	.19	.67	176.75	674.83
* 136.000	718.69	132.60	323.18	46.22	.24	1.82	.21	.69	161.08	683.03
136.000	718.92	162.21	356.68	59.11	.26	1.91	.23	.70	145.58	691.30
136.000	719.42	235.29	429.55	92.16	.29	2.07	.26	.73	123.44	706.68
137.000	717.40	44.69	105.11	31.20	.18	1.84	.27	.83	177.00	500.29
137.000	717.93	89.44	137.51	50.05	.25	2.15	.30	.81	177.00	528.73
137.000	718.22	122.10	158.56	64.33	.28	2.34	.32	.79	177.00	544.31
137.000	718.55	166.15	184.47	84.37	.33	2.56	.34	.78	177.00	562.11
137.000	718.77	198.91	202.01	101.08	.36	2.69	.36	.77	177.00	575.70
137.000	719.00	236.04	220.73	121.24	.39	2.83	.38	.77	177.00	587.00
137.000	719.50	323.74	261.46	171.80	.45	3.09	.43	.75	177.00	587.00
138.000	717.44	21.74	151.06	8.20	.24	1.38	.35	1.19	192.00	425.70
138.000	717.98	61.22	196.35	19.42	.35	1.56	.35	1.26	192.00	469.45
138.000	718.27	91.08	223.21	30.71	.40	1.65	.37	1.30	192.00	482.00
138.000	718.61	131.10	255.91	47.99	.47	1.76	.42	1.35	192.00	482.00
138.000	718.83	161.40	278.72	61.88	.51	1.82	.45	1.37	192.00	482.00
138.000	719.07	196.12	303.54	78.35	.55	1.90	.49	1.40	192.00	482.00
* 138.000	719.57	279.12	358.61	119.27	.64	2.04	.58	1.43	192.00	482.00
139.000	717.46	10.74	169.83	.44	.20	1.36	.13	.92	145.00	314.85
139.000	718.00	40.23	232.65	4.12	.35	1.59	.24	.90	145.00	336.67
139.000	718.29	63.51	272.41	9.08	.42	1.72	.29	.89	145.00	358.00
139.000	718.63	95.43	321.19	18.38	.51	1.88	.37	.87	145.00	358.00
139.000	718.85	120.09	355.34	26.56	.56	1.97	.42	.86	145.00	358.00
139.000	719.09	148.63	392.71	36.66	.62	2.07	.48	.86	145.00	358.00
139.000	719.59	217.69	476.44	62.87	.73	2.27	.59	.85	145.00	358.00
140.000	717.49	9.68	171.13	.19	.19	1.21	.11	1.05	124.00	289.37
140.000	718.02	35.12	239.72	2.16	.33	1.42	.20	1.06	124.00	311.08
140.000	718.32	55.14	284.28	5.59	.40	1.55	.26	1.06	124.00	319.00
140.000	718.65	83.05	340.16	11.79	.48	1.70	.34	1.06	124.00	319.00
140.000	718.88	104.63	380.24	17.13	.53	1.79	.39	1.06	124.00	319.00
140.000	719.11	129.74	424.57	23.70	.59	1.89	.45	1.05	124.00	319.00
140.000	719.62	190.94	525.33	40.73	.70	2.10	.56	1.05	124.00	319.00
141.000	717.50	2.10	178.90	.00	.19	1.49	.00	.85	190.00	259.55
141.000	718.03	10.48	266.17	.35	.39	1.88	.12	.78	190.00	285.64
141.000	718.32	17.66	324.30	3.04	.49	2.12	.24	.75	190.00	294.00
141.000	718.65	28.26	397.52	9.22	.62	2.39	.38	.72	190.00	294.00
141.000	718.87	36.51	450.68	14.81	.70	2.57	.47	.70	190.00	294.00
* 141.000	719.11	46.47	509.31	22.22	.79	2.76	.57	.69	190.00	294.00
* 141.000	719.60	71.34	643.14	42.52	.96	3.15	.76	.67	190.00	294.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST
* 142.000	717.53	17.02	150.78	13.21	.31	.87	.30	2.21	566.00	642.00
* 142.000	718.08	27.54	228.19	21.27	.42	1.16	.41	2.05	566.00	642.00

*	142.000	718.39	35.10	282.85	27.05	.49	1.35	.48	1.96	566.00	642.00
*	142.000	718.73	45.22	355.02	34.76	.58	1.58	.57	1.86	566.00	642.00
*	142.000	718.96	52.81	408.66	40.53	.65	1.75	.63	1.81	566.00	642.00
*	142.000	719.20	61.48	469.42	47.10	.71	1.92	.69	1.75	566.00	642.00
*	142.000	719.71	82.03	612.33	62.64	.85	2.31	.82	1.64	566.00	642.00
*	143.000	717.53	.00	181.00	.00	.00	1.52	.00	.46	682.50	717.50
*	143.000	718.08	.00	277.00	.00	.00	2.01	.00	.48	682.50	717.50
*	143.000	718.38	.00	345.00	.00	.00	2.32	.00	.48	682.50	717.50
*	143.000	718.72	.00	435.00	.00	.00	2.71	.00	.49	682.50	717.50
*	143.000	718.94	.00	502.00	.00	.00	2.98	.00	.49	682.50	717.50
*	143.000	719.18	.00	578.00	.00	.00	3.28	.00	.50	682.50	717.50
*	143.000	719.67	.00	757.00	.00	.00	3.91	.00	.50	682.50	717.50
	144.000	717.54	.00	181.00	.00	.00	1.52	.00	1.00	682.50	717.50
	144.000	718.08	.00	277.00	.00	.00	2.01	.00	1.00	682.50	717.50
	144.000	718.39	.00	345.00	.00	.00	2.32	.00	1.00	682.50	717.50
	144.000	718.73	.00	435.00	.00	.00	2.71	.00	1.00	682.50	717.50
	144.000	718.96	.00	502.00	.00	.00	2.98	.00	1.00	682.50	717.50
	144.000	719.19	.00	578.00	.00	.00	3.27	.00	1.01	682.50	717.50
	144.000	719.70	.00	757.00	.00	.00	3.89	.00	1.01	682.50	717.50
*	145.000	717.58	.00	181.00	.00	.00	.50	.00	4.06	466.00	542.00
*	145.000	718.16	.00	277.00	.00	.00	.69	.00	3.84	466.00	542.00
*	145.000	718.49	.00	345.00	.00	.00	.81	.00	3.75	466.00	542.00
*	145.000	718.86	.00	435.00	.00	.00	.95	.00	3.67	466.00	542.00
*	145.000	719.12	.00	502.00	.00	.00	1.05	.00	3.63	466.00	542.00
*	145.000	719.39	.00	578.00	.00	.00	1.16	.00	3.60	466.00	542.00
*	145.000	719.97	.00	757.00	.00	.00	1.40	.00	3.54	466.00	542.00
	146.000	717.62	.00	181.00	.00	.00	.50	.00	1.01	466.00	542.00
	146.000	718.23	.00	277.00	.00	.00	.68	.00	1.02	466.00	542.00
	146.000	718.58	.00	345.00	.00	.00	.79	.00	1.03	466.00	542.00
	146.000	719.00	.00	435.00	.00	.00	.93	.00	1.04	466.00	542.00
	146.000	719.28	.00	502.00	.00	.00	1.03	.00	1.05	466.00	542.00
	146.000	719.59	.00	578.00	.00	.00	1.13	.00	1.05	466.00	542.00
	146.000	720.27	.00	757.00	.00	.00	1.34	.00	1.07	466.00	542.00
*	147.000	717.62	14.98	117.40	48.62	.11	.29	.10	1.84	391.00	665.00
*	147.000	718.24	23.14	172.85	81.01	.15	.38	.14	1.88	391.00	665.00
*	147.000	718.59	28.91	211.28	104.82	.17	.44	.16	1.89	391.00	665.00
*	147.000	719.01	36.52	261.18	137.30	.20	.51	.19	1.92	391.00	665.00
*	147.000	719.30	42.17	297.80	162.03	.22	.55	.21	1.93	391.00	665.00
*	147.000	719.61	48.56	338.87	190.57	.24	.60	.23	1.94	391.00	665.00
*	147.000	720.30	63.51	433.79	259.69	.28	.70	.28	1.97	391.00	665.00

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB	KRATIO	SSTA	ENDST	
*	147.500	717.62	35.74	62.63	82.63	.05	.15	.05	1.85	130.92	1184.96
*	147.500	718.24	57.48	85.60	133.93	.06	.19	.06	2.00	109.32	1221.06
*	147.500	718.59	73.24	100.82	170.94	.07	.21	.07	2.08	96.83	1241.94
*	147.500	719.02	94.60	119.63	220.77	.08	.23	.08	2.16	89.27	1289.35
*	147.500	719.31	110.73	132.86	258.42	.09	.25	.09	2.22	84.75	1324.32
*	147.500	719.62	129.15	147.22	301.64	.10	.26	.09	2.29	79.91	1361.86
*	147.500	720.31	172.87	178.68	405.45	.11	.29	.11	2.41	69.23	1444.54
*	148.000	717.62	29.88	76.56	74.55	.03	.09	.03	1.77	99.65	1314.59
*	148.000	718.24	47.52	110.29	119.18	.04	.12	.04	1.67	90.40	1396.91
*	148.000	718.60	60.16	133.08	151.76	.05	.13	.05	1.63	85.05	1444.52
*	148.000	719.02	76.94	161.70	196.36	.06	.15	.06	1.59	78.73	1500.40
*	148.000	719.31	89.48	182.17	230.35	.06	.16	.06	1.56	74.36	1538.99
*	148.000	719.62	103.73	204.65	269.62	.07	.18	.07	1.54	69.67	1580.41
*	148.000	720.31	137.31	254.84	364.85	.08	.20	.08	1.49	59.34	1671.67
	149.000	717.62	37.87	37.72	105.40	.03	.08	.03	1.15	160.17	2124.59
	149.000	718.24	56.95	52.37	167.67	.04	.10	.04	1.20	137.97	2193.64
	149.000	718.60	70.34	62.16	212.50	.04	.11	.04	1.22	125.14	2233.57
	149.000	719.02	87.97	74.35	272.67	.05	.12	.04	1.24	114.56	2252.38
	149.000	719.31	101.05	83.02	317.93	.05	.13	.05	1.26	107.28	2265.19
	149.000	719.62	115.84	92.53	369.63	.06	.14	.05	1.27	99.47	2278.94
	149.000	720.31	150.59	113.77	492.64	.06	.15	.06	1.29	82.25	2309.24

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LITTLE MENOMONEE
SUMMARY PRINTOUT TABLE 100

SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
4.000	698.02	704.21	.00	707.25	589.00	.00	1.00	.01	5.25	697.95	2.23	698.02

4.000	699.12	704.21	.00	707.25	794.00	.00	1.00	.00	6.35	699.05	2.13	699.12	
4.000	700.27	704.21	.00	707.25	945.00	.00	1.00	.00	7.51	700.21	1.88	700.27	
4.000	700.86	704.21	.00	707.25	1160.00	.00	1.00	.00	8.10	700.80	2.02	700.86	
4.000	701.57	704.21	.00	707.25	1330.00	.00	1.00	.00	8.80	701.50	2.01	701.57	
4.000	702.17	704.21	.00	707.25	1510.00	.00	1.00	.00	9.41	702.11	2.05	702.17	
4.000	703.98	704.21	.00	707.25	1990.00	.00	1.00	.00	11.21	703.91	2.07	703.98	
*	13.500	700.30	699.50	700.69	699.10	589.00	.00	59.00	.00	5.30	700.26	2.43	700.32
*	13.500	700.78	699.50	701.52	699.10	794.00	.00	59.00	.00	5.78	700.74	2.17	700.78
*	13.500	701.24	699.50	702.31	699.10	945.00	.00	59.00	.00	6.26	701.22	1.84	701.25
*	13.500	701.71	699.50	703.34	699.10	1160.00	.00	59.00	.00	6.73	701.69	1.69	701.71
	13.500	702.20	699.50	704.36	699.10	73.03	1250.90	30.00	.00	7.21	702.17	1.91	702.20
	13.500	702.68	699.50	705.48	699.10	73.70	1432.94	30.00	.00	7.70	702.66	1.84	702.68
	13.500	704.25	699.50	709.13	699.10	74.04	1922.76	30.00	.00	9.28	704.24	1.58	704.25
	25.000	702.31	704.50	.00	707.80	589.00	.00	1.00	.00	5.29	702.29	1.18	702.31
	25.000	702.77	704.50	.00	707.80	794.00	.00	1.00	.00	5.74	702.74	1.44	702.77
	25.000	703.07	704.50	.00	707.80	945.00	.00	1.00	.00	6.03	703.03	1.60	703.07
	25.000	703.45	704.50	.00	707.80	1160.00	.00	1.00	.00	6.40	703.40	1.83	703.45
	25.000	703.75	704.50	.00	707.80	1330.00	.00	1.00	.00	6.69	703.69	1.98	703.75
	25.000	704.07	704.50	.00	707.80	1510.00	.00	1.00	.00	7.00	704.00	2.13	704.07
	25.000	705.11	704.50	705.19	707.80	1990.00	.00	10.00	.00	8.10	705.10	2.35	705.19
	38.000	703.12	721.60	.00	729.10	589.00	.00	59.00	.00	5.56	702.96	3.43	703.15
	38.000	703.69	721.60	.00	729.10	794.00	.00	59.00	.00	6.05	703.45	4.24	703.73
	38.000	704.07	721.60	.00	729.10	945.00	.00	59.00	.00	6.36	703.76	4.79	704.12
	38.000	704.57	721.60	.00	729.10	1160.00	.00	59.00	.00	6.75	704.15	5.53	704.63
	38.000	704.95	721.60	.00	729.10	1330.00	.00	59.00	.00	7.04	704.44	6.07	705.02
	38.000	705.34	721.60	.00	729.10	1510.00	.00	59.00	.00	7.34	704.74	6.61	705.42
	38.000	706.50	721.60	.00	729.10	1990.00	.00	59.00	.00	8.26	705.66	7.71	706.59
	39.600	703.25	704.90	.00	702.60	589.00	.00	59.00	.00	5.84	703.14	2.79	703.27
	39.600	703.87	704.90	.00	702.60	794.00	.00	59.00	.00	6.42	703.72	3.37	703.90
	39.600	704.29	704.90	.00	702.60	945.00	.00	59.00	.00	6.81	704.11	3.73	704.32
	39.600	704.84	704.90	.00	702.60	1160.00	.00	59.00	.00	7.32	704.62	4.18	704.88
*	39.600	705.26	704.90	705.55	702.60	1330.00	.00	59.00	.00	7.71	705.01	4.48	705.31
*	39.600	705.70	704.90	706.11	702.60	1510.00	.00	59.00	.00	8.12	705.42	4.85	705.76
*	39.600	706.93	704.90	707.79	702.60	1990.00	.00	59.00	.00	9.34	706.64	4.90	706.96
	42.000	703.72	708.00	.00	709.30	565.00	.00	1.00	.00	6.10	703.70	1.00	703.72
	42.000	704.39	708.00	.00	709.30	771.00	.00	1.00	.00	6.77	704.37	1.21	704.39
	42.000	704.84	708.00	.00	709.30	923.00	.00	1.00	.00	7.21	704.81	1.34	704.84
	42.000	705.43	708.00	.00	709.30	1130.00	.00	1.00	.00	7.80	705.40	1.49	705.43
	42.000	705.91	708.00	.00	709.30	1300.00	.00	1.00	.00	8.27	705.87	1.60	705.91
	42.000	706.39	708.00	.00	709.30	1480.00	.00	1.00	.00	8.75	706.35	1.70	706.39
	42.000	707.54	708.00	.00	709.30	1950.00	.00	1.00	.00	9.88	707.48	1.94	707.54

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SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG	
58.000	709.05	708.40	709.24	710.20	570.00	.00	10.00	.00	5.94	709.14	2.55	709.24	
58.000	709.61	708.40	710.04	710.20	800.00	.00	10.00	.00	6.68	709.88	3.13	710.04	
*	58.000	709.95	708.40	710.59	710.20	941.43	17.92	30.00	.00	7.25	710.45	2.80	710.55
*	58.000	710.34	708.40	711.35	710.20	1040.02	150.41	30.00	.00	7.73	710.93	3.03	711.04
*	58.000	710.65	708.40	712.20	710.20	986.71	364.38	30.00	.00	8.11	711.31	2.60	711.37
*	58.000	710.93	708.40	712.98	710.20	960.37	591.44	30.00	.00	8.31	711.51	2.79	711.58
	58.000	711.53	708.40	715.21	710.20	785.14	1227.46	30.00	.00	8.69	711.89	3.25	711.98
	59.300	709.44	725.10	.00	726.40	570.00	.00	1.00	.00	5.71	709.41	1.29	709.44
	59.300	710.28	725.10	.00	726.40	800.00	.00	1.00	.00	6.54	710.24	1.52	710.28
	59.300	710.80	725.10	.00	726.40	965.00	.00	1.00	.00	7.06	710.76	1.61	710.80
	59.300	711.31	725.10	.00	726.40	1190.00	.00	1.00	.00	7.56	711.26	1.75	711.31
	59.300	711.59	725.10	.00	726.40	1360.00	.00	1.00	.00	7.84	711.54	1.87	711.59
	59.300	711.83	725.10	.00	726.40	1550.00	.00	1.00	.00	8.07	711.77	2.02	711.83
	59.300	712.29	725.10	.00	726.40	2010.00	.00	1.00	.00	8.50	712.20	2.39	712.29
	60.000	709.45	709.10	709.46	710.40	570.00	.00	10.00	.00	5.75	709.45	1.10	709.46
	60.000	710.29	709.10	710.34	710.40	800.00	.00	10.00	.00	6.61	710.31	1.31	710.34
	60.000	710.82	709.10	710.89	710.40	966.07	.01	30.00	.00	7.16	710.86	1.39	710.89
	60.000	711.33	709.10	711.45	710.40	1192.38	.09	30.00	.00	7.73	711.43	1.31	711.45
	60.000	711.62	709.10	711.78	710.40	1360.76	.18	30.00	.00	8.06	711.76	1.26	711.78
*	60.000	711.85	709.10	712.07	710.40	1555.90	.31	30.00	.00	8.36	712.06	1.24	712.07
*	60.000	712.33	709.10	712.71	710.40	1989.63	20.76	30.00	.00	8.98	712.68	1.20	712.70
*	75.000	710.76	712.70	.00	711.90	256.00	.00	59.00	.00	4.72	710.59	2.86	710.72
*	75.000	711.31	712.70	.00	711.90	363.00	.00	59.00	.00	5.16	711.03	3.71	711.24
*	75.000	711.73	712.70	.00	711.90	443.00	.00	59.00	.00	5.48	711.35	4.25	711.63
*	75.000	711.96	712.70	.00	711.90	554.00	.00	59.00	.00	5.87	711.74	4.96	712.13
*	75.000	712.24	712.70	.00	711.90	644.00	.00	59.00	.00	6.12	711.99	5.54	712.46
*	75.000	712.52	712.70	.00	711.90	741.00	.00	59.00	.00	6.35	712.22	6.13	712.80
*	75.000	713.13	712.70	714.53	711.90	998.00	.00	59.00	.00	6.88	712.75	7.14	713.49
	79.600	710.91	715.90	.00	721.00	300.00	.00	59.00	.00	4.12	710.92	1.61	710.96
	79.600	711.48	715.90	.00	721.00	428.00	.00	59.00	.00	4.69	711.49	1.85	711.54
	79.600	711.90	715.90	.00	721.00	518.00	.00	59.00	.00	5.10	711.90	1.95	711.96

79.600	712.42	715.90	.00	721.00	636.00	.00	59.00	.00	5.61	712.41	2.05	712.47
79.600	712.79	715.90	.00	721.00	727.00	.00	59.00	.00	5.97	712.77	2.12	712.84
79.600	713.15	715.90	.00	721.00	822.00	.00	59.00	.00	6.33	713.13	2.19	713.20
79.600	713.90	715.90	.00	721.00	1060.00	.00	59.00	.00	7.06	713.86	2.39	713.95
82.600	711.43	713.40	.00	714.00	300.00	.00	1.00	.00	4.61	711.41	1.18	711.43
82.600	712.03	713.40	.00	714.00	428.00	.00	1.00	.00	5.20	712.00	1.44	712.03
82.600	712.43	713.40	.00	714.00	518.00	.00	1.00	.00	5.59	712.39	1.58	712.43
82.600	712.92	713.40	.00	714.00	636.00	.00	1.00	.00	6.07	712.87	1.75	712.92
82.600	713.27	713.40	.00	714.00	727.00	.00	1.00	.00	6.41	713.21	1.87	713.27
82.600	713.61	713.40	713.64	714.00	822.00	.00	10.00	.00	6.78	713.58	1.98	713.64
82.600	714.35	713.40	714.49	714.00	1003.89	56.64	30.00	.00	7.67	714.47	1.02	714.48

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SECNO	EGLWC	ELLC	EGPRS	ELTRD	QPR	QWEIR	CLASS	H3	DEPTH	CWSEL	VCH	EG
92.600	713.72	716.00	.00	715.80	300.00	.00	59.00	.00	4.88	713.68	1.79	713.73
92.600	714.08	716.00	.00	715.80	428.00	.00	59.00	.00	5.22	714.02	2.36	714.10
92.600	714.31	716.00	.00	715.80	518.00	.00	59.00	.00	5.42	714.22	2.73	714.34
92.600	714.62	716.00	.00	715.80	636.00	.00	59.00	.00	5.69	714.49	3.17	714.65
92.600	714.84	716.00	.00	715.80	727.00	.00	59.00	.00	5.89	714.69	3.48	714.88
92.600	715.08	716.00	.00	715.80	822.00	.00	59.00	.00	6.10	714.90	3.78	715.12
92.600	715.71	716.00	.00	715.80	1060.00	.00	59.00	.00	6.66	715.46	4.42	715.76
104.600	715.78	717.90	.00	718.40	181.00	.00	59.00	.00	5.57	715.77	1.04	715.79
104.600	716.15	717.90	.00	718.40	277.00	.00	59.00	.00	5.92	716.12	1.47	716.16
104.600	716.35	717.90	.00	718.40	345.00	.00	59.00	.00	6.11	716.31	1.75	716.36
104.600	716.58	717.90	.00	718.40	435.00	.00	59.00	.00	6.33	716.53	2.12	716.60
104.600	716.74	717.90	.00	718.40	502.00	.00	59.00	.00	6.47	716.67	2.38	716.76
104.600	716.90	717.90	.00	718.40	578.00	.00	59.00	.00	6.61	716.81	2.66	716.92
104.600	717.29	717.90	.00	718.40	757.00	.00	59.00	.00	6.95	717.15	3.28	717.32
106.600	715.86	720.90	.00	723.00	181.00	.00	1.00	.01	4.93	715.83	1.30	715.86
106.600	716.28	720.90	.00	723.00	277.00	.00	1.00	.02	5.34	716.24	1.74	716.28
106.600	716.53	720.90	.00	723.00	345.00	.00	1.00	.03	5.57	716.47	2.01	716.53
106.600	716.82	720.90	.00	723.00	435.00	.00	1.00	.04	5.83	716.73	2.35	716.82
106.600	717.02	720.90	.00	723.00	502.00	.00	1.00	.05	6.02	716.92	2.57	717.02
106.600	717.23	720.90	.00	723.00	578.00	.00	1.00	.06	6.21	717.11	2.82	717.23
106.600	717.72	720.90	.00	723.00	757.00	.00	1.00	.08	6.65	717.55	3.30	717.72
144.000	717.57	725.50	.00	728.30	181.00	.00	1.00	.00	4.34	717.54	1.52	717.57
144.000	718.15	725.50	.00	728.30	277.00	.00	1.00	.00	4.88	718.08	2.01	718.15
144.000	718.47	725.50	.00	728.30	345.00	.00	1.00	.01	5.19	718.39	2.32	718.47
144.000	718.84	725.50	.00	728.30	435.00	.00	1.00	.01	5.53	718.73	2.71	718.84
144.000	719.09	725.50	.00	728.30	502.00	.00	1.00	.01	5.76	718.96	2.98	719.09
144.000	719.36	725.50	.00	728.30	578.00	.00	1.00	.02	5.99	719.19	3.27	719.36
144.000	719.93	725.50	.00	728.30	757.00	.00	1.00	.03	6.50	719.70	3.89	719.93

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SUMMARY PRINTOUT TABLE 101

SECNO	EGOC	ELLC	EGIC	ELTRD	QCULV	QWEIR	CLASS	H4	DEPTH	CWSEL	VCH	EG
146.000	717.62	718.80	714.11	723.10	181.00	.00	7.00	.04	5.42	717.62	.50	717.62
146.000	718.23	718.80	714.73	723.10	277.00	.00	7.00	.07	6.03	718.23	.68	718.23
146.000	718.59	718.80	715.13	723.10	345.00	.00	7.00	.09	6.38	718.58	.79	718.59
146.000	719.01	718.80	715.62	723.10	435.00	.00	7.00	.13	6.80	719.00	.93	719.01
146.000	719.30	718.80	715.97	723.10	502.00	.00	7.00	.16	7.08	719.28	1.03	719.30
146.000	719.61	718.80	716.34	723.10	578.00	.00	7.00	.20	7.39	719.59	1.13	719.61
146.000	720.30	718.80	717.15	723.10	757.00	.00	7.00	.29	8.07	720.27	1.34	720.30

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LITTLE MENOMONEE

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
1.000	.00	.00	.00	691.90	589.00	697.00	.00	697.68	47.35	6.69	101.85	85.59
1.000	.00	.00	.00	691.90	794.00	698.30	.00	698.85	28.21	6.24	195.98	149.50
1.000	.00	.00	.00	691.90	945.00	699.85	.00	700.12	11.61	4.76	436.29	277.38
1.000	.00	.00	.00	691.90	1160.00	700.45	.00	700.71	11.03	4.91	571.39	349.21
1.000	.00	.00	.00	691.90	1330.00	701.25	.00	701.44	7.98	4.47	801.70	470.82
1.000	.00	.00	.00	691.90	1510.00	701.90	.00	702.06	6.57	4.27	990.20	588.92
1.000	.00	.00	.00	691.90	1990.00	703.80	.00	703.90	3.84	3.72	1541.19	1015.55

*	2.000	257.00	.00	.00	692.50	589.00	697.95	.00	697.97	1.13	1.15	530.50	555.21
*	2.000	257.00	.00	.00	692.50	794.00	699.05	.00	699.07	.91	1.21	710.38	833.66
*	2.000	257.00	.00	.00	692.50	945.00	700.21	.00	700.23	.63	1.16	955.52	1188.48
*	2.000	257.00	.00	.00	692.50	1160.00	700.80	.00	700.83	.70	1.29	1079.95	1390.98
*	2.000	257.00	.00	.00	692.50	1330.00	701.51	.00	701.53	.65	1.33	1228.41	1650.71
*	2.000	257.00	.00	.00	692.50	1510.00	702.11	.00	702.14	.64	1.38	1355.85	1888.67
*	2.000	257.00	.00	.00	692.50	1990.00	703.92	.00	703.95	.55	1.47	1737.70	2679.51
*	3.000	90.00	.00	.00	692.70	589.00	697.94	.00	698.02	7.03	2.23	264.19	222.16
*	3.000	90.00	.00	.00	692.70	794.00	699.04	.00	699.11	4.82	2.13	372.54	361.50
*	3.000	90.00	.00	.00	692.70	945.00	700.21	.00	700.26	2.97	1.88	502.09	548.76
*	3.000	90.00	.00	.00	692.70	1160.00	700.80	.00	700.86	3.06	2.02	573.59	663.39
*	3.000	90.00	.00	.00	692.70	1330.00	701.50	.00	701.56	2.55	2.01	660.76	833.69
*	3.000	90.00	.00	.00	692.70	1510.00	702.10	.00	702.17	2.32	2.05	735.55	990.64
*	3.000	90.00	.00	.00	692.70	1990.00	703.91	.00	703.98	1.72	2.07	959.91	1515.93
	4.000	109.00	707.25	704.21	692.70	589.00	697.95	.00	698.02	6.99	2.23	264.68	222.75
	4.000	109.00	707.25	704.21	692.70	794.00	699.05	.00	699.12	4.81	2.13	372.99	362.11
	4.000	109.00	707.25	704.21	692.70	945.00	700.21	.00	700.27	2.96	1.88	502.42	549.26
	4.000	109.00	707.25	704.21	692.70	1160.00	700.80	.00	700.86	3.05	2.02	573.98	664.13
	4.000	109.00	707.25	704.21	692.70	1330.00	701.50	.00	701.57	2.54	2.01	661.13	834.44
	4.000	109.00	707.25	704.21	692.70	1510.00	702.11	.00	702.17	2.32	2.05	735.94	991.49
	4.000	109.00	707.25	704.21	692.70	1990.00	703.91	.00	703.98	1.72	2.07	960.24	1516.77
*	5.000	52.00	.00	.00	693.10	589.00	697.59	697.02	698.55	79.86	7.89	79.50	65.91
*	5.000	52.00	.00	.00	693.10	794.00	698.72	.00	699.57	50.82	7.61	141.72	111.38
*	5.000	52.00	.00	.00	693.10	945.00	700.05	.00	700.49	22.00	5.95	333.90	201.49
*	5.000	52.00	.00	.00	693.10	1160.00	700.67	.00	701.06	18.67	5.87	486.93	268.44
*	5.000	52.00	.00	.00	693.10	1330.00	701.43	.00	701.69	12.59	5.19	710.78	374.88
*	5.000	52.00	.00	.00	693.10	1510.00	702.06	.00	702.26	9.68	4.81	920.47	485.33
*	5.000	52.00	.00	.00	693.10	1990.00	703.91	.00	704.01	4.63	3.84	1608.39	925.04
*	6.000	100.00	.00	.00	693.30	589.00	698.74	.00	698.95	17.49	4.39	372.42	140.85
*	6.000	100.00	.00	.00	693.30	794.00	699.72	.00	699.82	8.50	3.51	702.00	272.31
*	6.000	100.00	.00	.00	693.30	945.00	700.56	.00	700.62	4.89	2.94	1000.66	427.31
*	6.000	100.00	.00	.00	693.30	1160.00	701.11	.00	701.17	4.54	2.99	1193.89	544.70
*	6.000	100.00	.00	.00	693.30	1330.00	701.72	.00	701.77	3.72	2.87	1408.60	689.68
*	6.000	100.00	.00	.00	693.30	1510.00	702.28	.00	702.33	3.27	2.83	1605.38	835.21
*	6.000	100.00	.00	.00	693.30	1990.00	704.01	.00	704.05	2.15	2.62	2213.81	1355.95

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	7.000	100.00	.00	.00	693.50	589.00	698.96	.00	699.12	13.30	3.90	455.67	161.53
	7.000	100.00	.00	.00	693.50	794.00	699.82	.00	699.90	7.68	3.33	750.16	286.49
	7.000	100.00	.00	.00	693.50	945.00	700.62	.00	700.67	4.68	2.85	1033.13	437.02
	7.000	100.00	.00	.00	693.50	1160.00	701.17	.00	701.22	4.35	2.92	1228.72	556.11
	7.000	100.00	.00	.00	693.50	1330.00	701.77	.00	701.81	3.59	2.81	1447.13	702.21
	7.000	100.00	.00	.00	693.50	1510.00	702.32	.00	702.36	3.15	2.76	1655.24	850.81
	7.000	100.00	.00	.00	693.50	1990.00	704.04	.00	704.07	2.01	2.52	2359.93	1402.21
	8.000	100.00	.00	.00	693.60	589.00	699.10	.00	699.26	13.03	3.90	452.89	163.16
	8.000	100.00	.00	.00	693.60	794.00	699.90	.00	699.99	8.01	3.41	748.31	280.59
	8.000	100.00	.00	.00	693.60	945.00	700.67	.00	700.73	4.82	2.89	1057.25	430.63
	8.000	100.00	.00	.00	693.60	1160.00	701.21	.00	701.27	4.34	2.91	1283.88	556.50
	8.000	100.00	.00	.00	693.60	1330.00	701.81	.00	701.85	3.49	2.76	1538.40	712.42
	8.000	100.00	.00	.00	693.60	1510.00	702.36	.00	702.40	2.99	2.69	1779.42	873.38
	8.000	100.00	.00	.00	693.60	1990.00	704.06	.00	704.09	1.83	2.40	2555.85	1470.25
	9.000	98.00	.00	.00	693.70	589.00	699.26	.00	699.38	10.21	3.44	464.42	184.33
	9.000	98.00	.00	.00	693.70	794.00	699.98	.00	700.07	7.30	3.22	728.85	293.81
	9.000	98.00	.00	.00	693.70	945.00	700.72	.00	700.78	4.59	2.80	1032.89	441.10
	9.000	98.00	.00	.00	693.70	1160.00	701.26	.00	701.31	4.15	2.83	1267.36	569.62
	9.000	98.00	.00	.00	693.70	1330.00	701.84	.00	701.89	3.32	2.68	1533.91	729.68
	9.000	98.00	.00	.00	693.70	1510.00	702.39	.00	702.43	2.83	2.61	1793.04	897.20
	9.000	98.00	.00	.00	693.70	1990.00	704.08	.00	704.11	1.70	2.31	2626.40	1527.74
*	9.500	289.00	.00	.00	693.90	589.00	699.49	.00	699.51	2.02	1.59	1405.16	414.75
*	9.500	289.00	.00	.00	693.90	794.00	700.15	.00	700.16	1.50	1.50	1955.39	649.12
*	9.500	289.00	.00	.00	693.90	945.00	700.83	.00	700.84	1.01	1.33	2547.29	942.49
*	9.500	289.00	.00	.00	693.90	1160.00	701.36	.00	701.37	.92	1.35	3034.60	1211.00
*	9.500	289.00	.00	.00	693.90	1330.00	701.93	.00	701.93	.75	1.29	3588.52	1539.21
*	9.500	289.00	.00	.00	693.90	1510.00	702.46	.00	702.47	.65	1.26	4125.50	1877.99
*	9.500	289.00	.00	.00	693.90	1990.00	704.13	.00	704.13	.40	1.13	5884.62	3162.18
*	9.600	240.00	.00	.00	694.05	589.00	699.53	.00	699.59	5.38	2.47	743.79	253.86
*	9.600	240.00	.00	.00	694.05	794.00	700.18	.00	700.22	3.76	2.27	1167.60	409.26
*	9.600	240.00	.00	.00	694.05	945.00	700.85	.00	700.88	2.33	1.95	1651.33	618.68
*	9.600	240.00	.00	.00	694.05	1160.00	701.38	.00	701.40	2.00	1.92	2063.00	819.99
*	9.600	240.00	.00	.00	694.05	1330.00	701.94	.00	701.96	1.55	1.79	2529.09	1069.73
*	9.600	240.00	.00	.00	694.05	1510.00	702.47	.00	702.49	1.27	1.71	2991.49	1338.81
*	9.600	240.00	.00	.00	694.05	1990.00	704.14	.00	704.15	.69	1.46	4569.03	2392.00
*	10.000	255.00	.00	.00	694.20	589.00	699.65	.00	699.66	1.20	1.30	1665.03	538.03

15.000	169.00	.00	.00	695.20	1510.00	702.78	.00	702.80	1.78	1.98	2581.81	1130.66
15.000	169.00	.00	.00	695.20	1990.00	704.30	.00	704.31	1.05	1.73	3828.56	1938.56
15.500	247.00	.00	.00	695.35	589.00	700.69	.00	700.73	4.40	2.31	812.74	280.77
15.500	247.00	.00	.00	695.35	794.00	701.14	.00	701.18	4.41	2.47	1043.57	378.14
15.500	247.00	.00	.00	695.35	945.00	701.52	.00	701.56	3.97	2.46	1248.88	474.12
15.500	247.00	.00	.00	695.35	1160.00	701.95	.00	701.99	3.78	2.53	1490.51	596.31
15.500	247.00	.00	.00	695.35	1330.00	702.37	.00	702.41	3.31	2.48	1746.91	730.60
15.500	247.00	.00	.00	695.35	1510.00	702.83	.00	702.86	2.85	2.41	2052.78	894.46
15.500	247.00	.00	.00	695.35	1990.00	704.32	.00	704.34	1.57	2.05	3234.50	1588.19
16.000	236.00	.00	.00	695.50	589.00	700.84	.00	700.87	8.65	1.74	750.48	200.32
16.000	236.00	.00	.00	695.50	794.00	701.29	.00	701.31	7.50	1.76	1002.91	289.89
16.000	236.00	.00	.00	695.50	945.00	701.65	.00	701.67	6.27	1.71	1224.62	377.46
16.000	236.00	.00	.00	695.50	1160.00	702.0						

.00	694.35	1990.00	704.16	.00	704.17	.60	1.37	4748.99	2574.20				
*	11.000	210.00	.00	.00	694.50	589.00	699.72	.00	699.89	13.06	3.70	428.52	111.98
*	11.000	210.00	.00	.00	694.50	794.00	700.34	.00	700.44	8.54	3.29	822.72	111.67
*	11.000	210.00	.00	.00	694.50	945.00	700.96	.00	701.01	4.80	2.68	1262.35	111.22
*	11.000	210.00	.00	.00	694.50	1160.00	701.48	.00	701.52	3.77	2.53	1645.12	111.82
*	11.000	210.00	.00	.00	694.50	1330.00	702.02	.00	702.05	2.74	2.29	2063.26	111.18
*	11.000	210.00	.00	.00	694.50	1510.00	702.54	.00	702.57	2.15	2.14	2473.44	111.85
	11.000	210.00	.00	.00	694.50	1990.00	704.18	.00	704.19	1.08	1.76	3859.54	111.49
*	11.500	252.00	.00	.00	694.70	589.00	700.07	.00	700.12	5.45	2.53	718.29	211.22
	11.500	252.00	.00	.00	694.70	794.00	700.56	.00	700.61	4.79	2.55	1038.89	211.65
	11.500	252.00	.00	.00	694.70	945.00	701.09	.00	701.12	3.47	2.33	1396.17	211.25
	11.500	252.00	.00	.00	694.70	1160.00	701.58	.00	701.61	2.98	2.29	1763.80	211.49
	11.500	252.00	.00	.00	694.70	1330.00	702.09	.00	702.12	2.31	2.13	2178.13	211.94
	11.500	252.00	.00	.00	694.70	1510.00	702.60	.00	702.62	1.89	2.03	2597.57	211.46
	11.500	252.00	.00	.00	694.70	1990.00	704.21	.00	704.22	.98	1.68	4038.26	211.89
	12.000	249.00	.00	.00	694.90	589.00	700.19	.00	700.26	5.18	2.50	646.10	211.71
	12.000	249.00	.00	.00	694.90	794.00	700.68	.00	700.74	4.72	2.57	967.56	211.44
	12.000	249.00	.00	.00	694.90	945.00	701.17	.00	701.21	3.50	2.36	1321.43	211.07
	12.000	249.00	.00	.00	694.90	1160.00	701.65	.00	701.69	2.99	2.32	1692.40	211.88
	12.000	249.00	.00	.00	694.90	1330.00	702.15	.00	702.18	2.33	2.16	2098.87	211.23
	12.000	249.00	.00	.00	694.90	1510.00	702.64	.00	702.67	1.90	2.06	2517.55	211.26
	12.000	249.00	.00	.00	694.90	1990.00	704.23	.00	704.24	.98	1.70	3945.88	211.29
	13.000	66.00	.00	.00	694.96	589.00	700.26	.00	700.30	4.36	2.08	813.56	211.11
	13.000	66.00	.00	.00	694.96	794.00	700.74	.00	700.78	3.86	2.12	1118.15	211.10
	13.000	66.00	.00	.00	694.96	945.00	701.21	.00	701.24	3.01	2.01	1427.50	211.97
	13.000	66.00	.00	.00	694.96	1160.00	701.68	.00	701.71	2.65	2.01	1761.22	211.92
	13.000	66.00	.00	.00	694.96	1330.00	702.17	.00	702.20	2.13	1.92	2125.21	211.03
	13.000	66.00	.00	.00	694.96	1510.00	702.66	.00	702.68	1.76	1.85	2506.66	211.62
	13.000	66.00	.00	.00	694.96	1990.00	704.24	.00	704.25	.96	1.59	3836.43	211.35
*	13.500	6.00	699.10	699.50	694.96	589.00	700.26	.00	700.32	30.78	2.43	468.01	111.17
*	13.500	6.00	699.10	699.50	694.96	794.00	700.74	.00	700.78	20.30	2.17	732.67	111.21
*	13.500	6.00	699.10	699.50	694.96	945.00	701.22	.00	701.25	12.33	1.84	1026.00	211.08
*	13.500	6.00	699.10	699.50	694.96	1160.00	701.69	.00	701.71	9.08	1.69	1341.34	211.01
	13.500	6.00	699.10	699.50	694.96	1330.00	702.17	.00	702.20	2.09	1.91	2137.44	211.01
	13.500	6.00	699.10	699.50	694.96	1510.00	702.66	.00	702.68	1.74	1.84	2517.23	211.09
	13.500	6.00	699.10	699.50	694.96	1990.00	704.24	.00	704.25	.95	1.58	3844.07	211.93

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	14.000	50.00	.00	.00	694.98	589.00	700.29	.00	700.44	10.35	3.41	316.70	111.07
*	14.000	50.00	.00	.00	694.98	794.00	700.75	.00	700.90	9.89	3.57	604.25	211.52
	14.000	50.00	.00	.00	694.98	945.00	701.22	.00	701.33	7.19	3.25	911.45	311.47
	14.000	50.00	.00	.00	694.98	1160.00	701.69	.00	701.78	5.87	3.12	1236.31	411.66
*	14.000	50.00	.00	.00	694.98	1330.00	702.17	.00	702.23	4.42	2.86	1582.76	511.73
	14.000	50.00	.00	.00	694.98	1510.00	702.66	.00	702.71	3.43	2.65	1955.90	611.87
	14.000	50.00	.00	.00	694.98	1990.00	704.24	.00	704.26	1.58	2.08	3281.20	1111.55
*	14.500	196.00	.00	.00	695.10	589.00	700.56	.00	700.59	3.62	2.10	1003.50	311.47
*	14.500	196.00	.00	.00	695.10	794.00	701.01	.00	701.04	3.41	2.17	1304.12	411.70
*	14.500	196.00	.00	.00	695.10	945.00	701.41	.00	701.44	2.91	2.11	1579.90	511.07
*	14.500	196.00	.00	.00	695.10	1160.00	701.85	.00	701.87	2.72	2.15	1883.75	611.50
	14.500	196.00	.00	.00	695.10	1330.00	702.28	.00	702.30	2.30	2.07	2208.15	711.19
	14.500	196.00	.00	.00	695.10	1510.00	702.75	.00	702.77	1.96	2.00	2563.44	811.68
	14.500	196.00	.00	.00	695.10	1990.00	704.28	.00	704.29	1.10	1.72	3822.23	1111.13
	15.000	169.00	.00	.00	695.20	589.00	700.62	.00	700.65	2.54	1.85	1092.67	311.32
	15.000	169.00	.00	.00	695.20	794.00	701.07	.00	701.09	2.62	1.99	1371.07	411.61
	15.000	169.00	.00	.00	695.20	945.00	701.46	.00	701.48	2.39	1.99	1626.32	511.60
	15.000	169.00	.00	.00	695.20	1160.00	701.89	.00	701.91	2.32	2.06	1923.01	611.29
	15.000	169.00	.00	.00	695.20	1330.00	702.32	.00	702.34	2.04	2.02	2237.25	711.19
	15.000	169.00	.00	.00	695.20	1510.00	702.78	.00	702.80	1.78	1.98	2581.81	1111.66
	15.000	169.00	.00	.00	695.20	1990.00	704.30	.00	704.31	1.05	1.73	3828.56	1111.56
	15.500	247.00	.00	.00	695.35	589.00	700.69	.00	700.73	4.40	2.31	812.74	211.77
	15.500	247.00	.00	.00	695.35	794.00	701.14	.00	701.18	4.41	2.47	1043.57	311.14
	15.500	247.00	.00	.00	695.35	945.00	701.52	.00	701.56	3.97	2.46	1248.88	411.12
	15.500	247.00	.00	.00	695.35	1160.00	701.95	.00	701.99	3.78	2.53	1490.51	511.31
	15.500	247.00	.00	.00	695.35	1330.00	702.37	.00	702.41	3.31	2.48	1746.91	611.60
	15.500	247.00	.00	.00	695.35	1510.00	702.83	.00	702.86	2.85	2.41	2052.78	711.46
	15.500	247.00	.00	.00	695.35	1990.00	704.32	.00	704.34	1.57	2.05	3234.50	1111.19
	16.000	236.00	.00	.00	695.50	589.00	700.84	.00	700.87	8.65	1.74	750.48	211.32
	16.000	236.00	.00	.00	695.50	794.00	701.29	.00	701.31	7.50	1.76	1002.91	311.89
	16.000	236.00	.00	.00	695.50	945.00	701.65	.00	701.67	6.27	1.71	1224.62	411.46
	16.000	236.00	.00	.00	695.50	1160.00	702.07	.00	702.09	5.53	1.71	1494.70	511.45
	16.000	236.00	.00	.00	695.50	1330.00	702.48	.00	702.49	4.61	1.65	1767.90	611.68
	16.000	236.00	.00	.00	695.50	1510.00	702.91	.00	702.93	3.78	1.58	2080.61	711.60
	16.000	236.00	.00	.00	695.50	1990.00	704.37	.00	704.38	1.93	1.32	3228.64	1111.33

*	16.500	252.00	.00	.00	695.60	589.00	701.09	.00	701.23	22.52	3.22	296.14	111.10
*	16.500	252.00	.00	.00	695.60	794.00	701.50	.00	701.63	20.42	3.27	551.62	173.71
*	16.500	252.00	.00	.00	695.60	945.00	701.84	.00	701.93	16.30	3.06	773.98	231.39
*	16.500	252.00	.00	.00	695.60	1160.00	702.24	.00	702.31	12.92	2.87	1057.72	311.70
*	16.500	252.00	.00	.00	695.60	1330.00	702.61	.00	702.66	9.88	2.63	1334.69	423.10
*	16.500	252.00	.00	.00	695.60	1510.00	703.02	.00	703.06	7.48	2.40	1651.20	551.93
*	16.500	252.00	.00	.00	695.60	1990.00	704.42	.00	704.44	3.09	1.77	2849.26	1132.81

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	17.000	245.00	.00	.00	695.70	589.00	701.48	.00	701.52	6.60	2.06	788.75	229.35
*	17.000	245.00	.00	.00	695.70	794.00	701.87	.00	701.90	6.64	2.17	1034.96	312.03
*	17.000	245.00	.00	.00	695.70	945.00	702.15	.00	702.17	6.44	2.21	1217.98	372.26
*	17.000	245.00	.00	.00	695.70	1160.00	702.49	.00	702.52	6.22	2.25	1464.24	445.12
*	17.000	245.00	.00	.00	695.70	1330.00	702.82	.00	702.84	5.54	2.20	1706.20	565.01
*	17.000	245.00	.00	.00	695.70	1510.00	703.19	.00	703.21	4.74	2.11	1999.53	693.73
*	17.000	245.00	.00	.00	695.70	1990.00	704.50	.00	704.51	2.43	1.69	3197.79	1276.46
	17.500	256.00	.00	.00	695.80	589.00	701.65	.00	701.70	7.46	2.18	676.58	215.61
	17.500	256.00	.00	.00	695.80	794.00	702.04	.00	702.08	7.36	2.27	958.31	292.77
	17.500	256.00	.00	.00	695.80	945.00	702.31	.00	702.35	6.96	2.28	1165.13	358.17
	17.500	256.00	.00	.00	695.80	1160.00	702.65	.00	702.69	6.50	2.29	1438.12	455.04
	17.500	256.00	.00	.00	695.80	1330.00	702.96	.00	702.99	5.76	2.23	1690.74	554.12
	17.500	256.00	.00	.00	695.80	1510.00	703.31	.00	703.33	4.93	2.13	1986.46	680.32
	17.500	256.00	.00	.00	695.80	1990.00	704.56	.00	704.57	2.50	1.70	3144.84	1259.07
*	18.000	249.00	.00	.00	695.90	589.00	701.76	.00	701.77	1.36	1.49	1103.83	504.63
*	18.000	249.00	.00	.00	695.90	794.00	702.14	.00	702.16	1.61	1.70	1306.71	625.20
*	18.000	249.00	.00	.00	695.90	945.00	702.41	.00	702.43	1.74	1.82	1446.13	715.63
*	18.000	249.00	.00	.00	695.90	1160.00	702.75	.00	702.77	1.90	1.97	1665.66	841.51
*	18.000	249.00	.00	.00	695.90	1330.00	703.04	.00	703.07	1.89	2.02	1910.25	967.76
*	18.000	249.00	.00	.00	695.90	1510.00	703.38	.00	703.40	1.80	2.04	2193.68	1126.28
*	18.000	249.00	.00	.00	695.90	1990.00	704.60	.00	704.61	1.19	1.84	3275.88	1824.13
	19.000	300.00	.00	.00	696.17	589.00	701.80	.00	701.84	2.77	2.10	813.13	353.61
	19.000	300.00	.00	.00	696.17	794.00	702.20	.00	702.24	2.99	2.29	1058.95	458.80
	19.000	300.00	.00	.00	696.17	945.00	702.46	.00	702.51	3.04	2.38	1236.55	541.65
	19.000	300.00	.00	.00	696.17	1160.00	702.81	.00	702.85	3.09	2.49	1468.57	659.95
	19.000	300.00	.00	.00	696.17	1330.00	703.10	.00	703.14	2.96	2.51	1674.38	773.66
	19.000	300.00	.00	.00	696.17	1510.00	703.44	.00	703.48	2.73	2.50	1910.50	913.31
	19.000	300.00	.00	.00	696.17	1990.00	704.64	.00	704.66	1.72	2.21	2804.57	1519.41
	19.500	253.00	.00	.00	696.40	589.00	701.88	.00	701.92	3.22	2.04	817.53	328.06
	19.500	253.00	.00	.00	696.40	794.00	702.28	.00	702.32	3.40	2.21	1031.81	430.43
	19.500	253.00	.00	.00	696.40	945.00	702.55	.00	702.59	3.46	2.31	1181.63	508.10
	19.500	253.00	.00	.00	696.40	1160.00	702.89	.00	702.93	3.53	2.44	1378.64	617.18
	19.500	253.00	.00	.00	696.40	1330.00	703.19	.00	703.22	3.42	2.48	1550.66	719.07
	19.500	253.00	.00	.00	696.40	1510.00	703.51	.00	703.55	3.24	2.50	1740.76	838.64
	19.500	253.00	.00	.00	696.40	1990.00	704.68	.00	704.71	2.15	2.29	2463.03	1356.03
	20.000	260.00	.00	.00	696.64	589.00	701.97	.00	702.00	3.50	2.10	775.36	314.72
	20.000	260.00	.00	.00	696.64	794.00	702.37	.00	702.41	3.74	2.30	966.97	410.59
	20.000	260.00	.00	.00	696.64	945.00	702.64	.00	702.68	3.85	2.42	1095.82	481.85
	20.000	260.00	.00	.00	696.64	1160.00	702.99	.00	703.03	3.99	2.57	1260.98	580.55
	20.000	260.00	.00	.00	696.64	1330.00	703.27	.00	703.32	3.94	2.64	1400.78	670.16
	20.000	260.00	.00	.00	696.64	1510.00	703.60	.00	703.64	3.78	2.68	1557.35	776.76
	20.000	260.00	.00	.00	696.64	1990.00	704.74	.00	704.77	2.69	2.54	2124.29	1213.35

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	21.000	98.00	.00	.00	696.73	589.00	702.00	.00	702.05	4.45	2.36	647.20	279.32
	21.000	98.00	.00	.00	696.73	794.00	702.40	.00	702.46	4.84	2.61	803.19	361.00
	21.000	98.00	.00	.00	696.73	945.00	702.67	.00	702.73	5.03	2.76	908.22	421.52
	21.000	98.00	.00	.00	696.73	1160.00	703.02	.00	703.08	5.27	2.95	1043.13	505.28
	21.000	98.00	.00	.00	696.73	1330.00	703.31	.00	703.37	5.24	3.04	1156.79	580.79
	21.000	98.00	.00	.00	696.73	1510.00	703.63	.00	703.69	5.07	3.10	1283.92	670.29
	21.000	98.00	.00	.00	696.73	1990.00	704.76	.00	704.81	3.71	2.97	1741.53	1033.47
	22.000	98.00	.00	.00	696.82	589.00	702.04	.00	702.11	5.84	2.69	514.29	243.68
	22.000	98.00	.00	.00	696.82	794.00	702.44	.00	702.53	6.53	3.02	633.20	310.64
	22.000	98.00	.00	.00	696.82	945.00	702.71	.00	702.81	6.89	3.21	713.90	360.05
	22.000	98.00	.00	.00	696.82	1160.00	703.06	.00	703.16	7.33	3.46	818.47	428.33
	22.000	98.00	.00	.00	696.82	1330.00	703.35	.00	703.45	7.38	3.60	906.83	489.42
	22.000	98.00	.00	.00	696.82	1510.00	703.66	.00	703.77	7.23	3.69	1006.10	561.47
	22.000	98.00	.00	.00	696.82	1990.00	704.78	.00	704.87	5.45	3.59	1368.63	852.60
*	23.000	98.00	.00	.00	696.90	589.00	702.07	.00	702.24	12.55	3.86	312.01	166.24
*	23.000	98.00	.00	.00	696.90	794.00	702.47	.00	702.68	14.72	4.42	390.90	206.97
*	23.000	98.00	.00	.00	696.90	945.00	702.74	.00	702.97	15.74	4.73	446.16	238.16
*	23.000	98.00	.00	.00	696.90	1160.00	703.09	.00	703.34	16.92	5.12	518.15	282.00

*	23.000	98.00	.00	.00	696.90	1330.00	703.37	.00	703.63	17.12	5.32	578.80	331.41
*	23.000	98.00	.00	.00	696.90	1510.00	703.69	.00	703.95	16.83	5.46	646.84	331.28
*	23.000	98.00	.00	.00	696.90	1990.00	704.79	.00	705.02	12.71	5.29	895.94	331.26
*	24.000	105.00	.00	.00	697.00	589.00	702.29	.00	702.31	1.27	1.18	497.48	523.00
*	24.000	105.00	.00	.00	697.00	794.00	702.74	.00	702.77	1.64	1.44	552.96	623.88
*	24.000	105.00	.00	.00	697.00	945.00	703.03	.00	703.07	1.89	1.60	588.94	627.61
*	24.000	105.00	.00	.00	697.00	1160.00	703.40	.00	703.45	2.24	1.83	634.47	775.53
*	24.000	105.00	.00	.00	697.00	1330.00	703.69	.00	703.75	2.46	1.98	670.32	877.41
*	24.000	105.00	.00	.00	697.00	1510.00	704.00	.00	704.07	2.65	2.13	708.62	926.71
*	24.000	105.00	.00	.00	697.00	1990.00	705.02	.00	705.11	2.72	2.38	835.67	1237.32
	25.000	112.50	707.80	704.50	697.00	589.00	702.29	.00	702.31	1.27	1.18	497.57	523.17
	25.000	112.50	707.80	704.50	697.00	794.00	702.74	.00	702.77	1.63	1.44	553.09	621.13
	25.000	112.50	707.80	704.50	697.00	945.00	703.03	.00	703.07	1.89	1.60	589.12	627.94
	25.000	112.50	707.80	704.50	697.00	1160.00	703.40	.00	703.45	2.23	1.83	634.70	775.98
	25.000	112.50	707.80	704.50	697.00	1330.00	703.69	.00	703.75	2.46	1.98	670.58	847.94
	25.000	112.50	707.80	704.50	697.00	1510.00	704.00	.00	704.07	2.65	2.13	708.93	927.37
	25.000	112.50	707.80	704.50	697.00	1990.00	705.10	.00	705.19	2.62	2.35	845.69	1230.55
*	26.000	62.00	.00	.00	697.00	589.00	702.27	.00	702.36	5.43	2.85	443.76	252.72
*	26.000	62.00	.00	.00	697.00	794.00	702.72	.00	702.83	6.84	3.38	512.26	303.67
*	26.000	62.00	.00	.00	697.00	945.00	703.00	.00	703.14	7.78	3.73	556.60	338.84
*	26.000	62.00	.00	.00	697.00	1160.00	703.36	.00	703.54	9.05	4.19	612.58	385.57
*	26.000	62.00	.00	.00	697.00	1330.00	703.65	.00	703.85	9.83	4.50	656.73	424.22
*	26.000	62.00	.00	.00	697.00	1510.00	703.95	.00	704.17	10.44	4.79	704.00	467.27
*	26.000	62.00	.00	.00	697.00	1990.00	705.05	.00	705.29	9.78	5.14	874.45	636.22

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISW	EG	10*KS	VCH	AREA	.01K
27.000	100.00	.00	.00	697.02	589.00	702.36	.00	702.42	5.06	2.59	660.64	261.82
27.000	100.00	.00	.00	697.02	794.00	702.84	.00	702.91	5.23	2.81	837.66	347.21
27.000	100.00	.00	.00	697.02	945.00	703.16	.00	703.23	5.33	2.95	953.26	409.50
27.000	100.00	.00	.00	697.02	1160.00	703.57	.00	703.64	5.47	3.13	1100.85	496.04
27.000	100.00	.00	.00	697.02	1330.00	703.88	.00	703.95	5.47	3.24	1215.96	568.73
27.000	100.00	.00	.00	697.02	1510.00	704.21	.00	704.29	5.39	3.33	1337.78	650.42
*	27.000	100.00	.00	697.02	1990.00	705.34	.00	705.41	4.29	3.30	1749.25	960.40
28.000	101.00	.00	.00	697.04	589.00	702.43	.00	702.47	3.41	2.15	926.11	319.02
28.000	101.00	.00	.00	697.04	794.00	702.92	.00	702.96	3.38	2.28	1178.23	431.65
28.000	101.00	.00	.00	697.04	945.00	703.24	.00	703.28	3.35	2.36	1349.03	516.63
28.000	101.00	.00	.00	697.04	1160.00	703.65	.00	703.69	3.33	2.46	1567.23	635.62
28.000	101.00	.00	.00	697.04	1330.00	703.97	.00	704.01	3.27	2.53	1736.56	735.58
28.000	101.00	.00	.00	697.04	1510.00	704.31	.00	704.34	3.17	2.58	1915.06	847.86
28.000	101.00	.00	.00	697.04	1990.00	705.42	.00	705.45	2.46	2.52	2507.26	1268.05
29.000	101.00	.00	.00	697.06	589.00	702.48	.00	702.50	2.75	1.93	1084.52	354.98
29.000	101.00	.00	.00	697.06	794.00	702.97	.00	702.99	2.66	2.02	1381.86	487.02
29.000	101.00	.00	.00	697.06	945.00	703.29	.00	703.31	2.61	2.09	1580.26	584.58
29.000	101.00	.00	.00	697.06	1160.00	703.70	.00	703.72	2.58	2.17	1838.87	722.03
29.000	101.00	.00	.00	697.06	1330.00	704.01	.00	704.04	2.52	2.22	2042.77	837.81
29.000	101.00	.00	.00	697.06	1510.00	704.35	.00	704.37	2.43	2.26	2262.46	968.58
29.000	101.00	.00	.00	697.06	1990.00	705.45	.00	705.47	1.83	2.17	3056.29	1471.88
30.000	100.00	.00	.00	697.08	589.00	702.51	.00	702.53	2.49	1.83	1184.02	373.23
30.000	100.00	.00	.00	697.08	794.00	703.00	.00	703.02	2.38	1.91	1508.31	515.16
30.000	100.00	.00	.00	697.08	945.00	703.32	.00	703.34	2.33	1.96	1723.39	619.73
30.000	100.00	.00	.00	697.08	1160.00	703.73	.00	703.75	2.29	2.04	2003.05	767.00
30.000	100.00	.00	.00	697.08	1330.00	704.04	.00	704.06	2.23	2.08	2222.62	890.85
30.000	100.00	.00	.00	697.08	1510.00	704.38	.00	704.39	2.15	2.12	2456.36	1030.83
30.000	100.00	.00	.00	697.08	1990.00	705.48	.00	705.49	1.62	2.04	3263.06	1561.23
31.000	100.00	.00	.00	697.10	589.00	702.53	.00	702.56	3.11	1.98	1114.74	333.76
31.000	100.00	.00	.00	697.10	794.00	703.02	.00	703.04	2.87	2.03	1438.27	468.70
31.000	100.00	.00	.00	697.10	945.00	703.34	.00	703.36	2.75	2.07	1656.97	569.71
31.000	100.00	.00	.00	697.10	1160.00	703.75	.00	703.77	2.65	2.13	1944.99	713.06
31.000	100.00	.00	.00	697.10	1330.00	704.07	.00	704.09	2.54	2.16	2173.51	834.54
31.000	100.00	.00	.00	697.10	1510.00	704.40	.00	704.42	2.41	2.18	2417.10	972.59
31.000	100.00	.00	.00	697.10	1990.00	705.49	.00	705.51	1.77	2.07	3240.09	1496.89
31.500	155.00	.00	.00	697.10	589.00	702.58	.00	702.60	2.51	1.84	1175.25	371.71
31.500	155.00	.00	.00	697.10	794.00	703.06	.00	703.08	2.39	1.92	1499.92	513.19
31.500	155.00	.00	.00	697.10	945.00	703.38	.00	703.40	2.34	1.98	1715.76	617.86
31.500	155.00	.00	.00	697.10	1160.00	703.79	.00	703.81	2.30	2.05	1995.73	765.33
31.500	155.00	.00	.00	697.10	1330.00	704.10	.00	704.12	2.24	2.10	2214.36	889.10
31.500	155.00	.00	.00	697.10	1510.00	704.43	.00	704.45	2.16	2.13	2447.27	1028.30
31.500	155.00	.00	.00	697.10	1990.00	705.52	.00	705.54	1.64	2.05	3259.86	1553.82

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISW	EG	10*KS	VCH	AREA	.01K
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32.000	156.00	.00	.00	697.10	589.00	702.62	.00	702.65	2.92	1.99	987.63	344.91
32.000	156.00	.00	.00	697.10	794.00	703.10	.00	703.13	2.93	2.12	1250.99	454.12
32.000	156.00	.00	.00	697.10	945.00	703.42	.00	703.45	2.93	2.20	1430.47	552.23
32.000	156.00	.00	.00	697.10	1160.00	703.82	.00	703.85	2.94	2.31	1669.02	674.92
32.000	156.00	.00	.00	697.10	1330.00	704.14	.00	704.17	2.89	2.37	1859.04	781.95
32.000	156.00	.00	.00	697.10	1510.00	704.47	.00	704.50	2.81	2.42	2064.16	900.17
32.000	156.00	.00	.00	697.10	1990.00	705.54	.00	705.57	2.16	2.34	2777.18	1353.10
33.000	190.00	.00	.00	697.15	589.00	702.67	.00	702.71	3.39	2.13	865.94	319.78
33.000	190.00	.00	.00	697.15	794.00	703.15	.00	703.19	3.43	2.28	1098.82	428.89
33.000	190.00	.00	.00	697.15	945.00	703.47	.00	703.51	3.44	2.38	1255.32	509.41
33.000	190.00	.00	.00	697.15	1160.00	703.88	.00	703.92	3.47	2.50	1461.19	623.02
33.000	190.00	.00	.00	697.15	1330.00	704.19	.00	704.23	3.43	2.58	1626.37	718.37
33.000	190.00	.00	.00	697.15	1510.00	704.52	.00	704.56	3.34	2.64	1804.25	825.73
33.000	190.00	.00	.00	697.15	1990.00	705.58	.00	705.62	2.63	2.59	2408.27	1227.97
33.500	228.00	.00	.00	697.21	589.00	702.75	.00	702.81	4.69	2.42	640.00	271.87
33.500	228.00	.00	.00	697.21	794.00	703.24	.00	703.30	4.95	2.67	800.40	357.04
33.500	228.00	.00	.00	697.21	945.00	703.55	.00	703.62	5.09	2.82	907.17	419.06
33.500	228.00	.00	.00	697.21	1160.00	703.96	.00	704.03	5.26	3.01	1047.14	505.95
33.500	228.00	.00	.00	697.21	1330.00	704.27	.00	704.35	5.30	3.14	1156.61	577.76
33.500	228.00	.00	.00	697.21	1510.00	704.59	.00	704.67	5.27	3.24	1273.14	657.68
33.500	228.00	.00	.00	697.21	1990.00	705.64	.00	705.71	4.39	3.28	1669.96	950.04
34.000	160.00	.00	.00	697.25	589.00	702.82	.00	702.90	5.46	2.65	487.20	252.08
34.000	160.00	.00	.00	697.25	794.00	703.31	.00	703.40	5.99	2.97	615.90	324.55
34.000	160.00	.00	.00	697.25	945.00	703.62	.00	703.73	6.27	3.17	701.41	377.28
34.000	160.00	.00	.00	697.25	1160.00	704.03	.00	704.15	6.62	3.42	812.80	450.96
34.000	160.00	.00	.00	697.25	1330.00	704.34	.00	704.46	6.76	3.58	898.91	511.50
34.000	160.00	.00	.00	697.25	1510.00	704.66	.00	704.79	6.81	3.72	989.61	578.65
34.000	160.00	.00	.00	697.25	1990.00	705.70	.00	705.82	5.90	3.84	1287.78	819.54
35.000	100.00	.00	.00	697.28	589.00	702.87	.00	702.98	6.80	2.89	362.36	225.92
35.000	100.00	.00	.00	697.28	794.00	703.36	.00	703.49	7.67	3.29	455.95	286.63
35.000	100.00	.00	.00	697.28	945.00	703.67	.00	703.82	8.16	3.55	519.22	330.75
35.000	100.00	.00	.00	697.28	1160.00	704.08	.00	704.25	8.78	3.87	601.98	391.44
35.000	100.00	.00	.00	697.28	1330.00	704.39	.00	704.58	9.07	4.08	667.46	441.60
35.000	100.00	.00	.00	697.28	1510.00	704.71	.00	704.91	9.22	4.27	738.39	497.22
35.000	100.00	.00	.00	697.28	1990.00	705.73	.00	705.93	8.14	4.44	981.91	697.61
36.000	96.00	.00	.00	697.30	589.00	702.93	.00	703.05	6.91	2.88	262.09	224.05
36.000	96.00	.00	.00	697.30	794.00	703.42	.00	703.58	8.70	3.44	299.50	269.17
36.000	96.00	.00	.00	697.30	945.00	703.74	.00	703.93	9.91	3.81	323.86	300.23
36.000	96.00	.00	.00	697.30	1160.00	704.14	.00	704.39	11.56	4.29	354.61	341.21
36.000	96.00	.00	.00	697.30	1330.00	704.44	.00	704.73	12.75	4.64	377.12	372.41
36.000	96.00	.00	.00	697.30	1510.00	704.75	.00	705.08	13.81	4.97	400.80	406.29
36.000	96.00	.00	.00	697.30	1990.00	705.73	.00	706.14	14.69	5.56	475.12	519.26

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
37.000	49.00	.00	.00	697.40	589.00	702.93	.00	703.12	7.09	3.45	170.68	221.19
37.000	49.00	.00	.00	697.40	794.00	703.41	.00	703.69	9.71	4.27	185.80	254.81
37.000	49.00	.00	.00	697.40	945.00	703.71	.00	704.07	11.62	4.84	195.43	277.19
37.000	49.00	.00	.00	697.40	1160.00	704.08	.00	704.57	14.34	5.59	207.50	306.31
37.000	49.00	.00	.00	697.40	1330.00	704.36	.00	704.95	16.38	6.14	216.46	328.66
37.000	49.00	.00	.00	697.40	1510.00	704.65	.00	705.34	18.40	6.69	225.55	352.00
37.000	49.00	.00	.00	697.40	1990.00	705.54	.00	706.50	21.44	7.83	254.26	429.80
38.000	39.00	729.10	721.60	697.40	589.00	702.96	.00	703.15	6.96	3.43	171.64	223.27
38.000	39.00	729.10	721.60	697.40	794.00	703.45	.00	703.73	9.48	4.24	187.17	257.94
38.000	39.00	729.10	721.60	697.40	945.00	703.76	.00	704.12	11.29	4.79	197.12	281.18
38.000	39.00	729.10	721.60	697.40	1160.00	704.15	.00	704.63	13.85	5.53	209.68	311.69
38.000	39.00	729.10	721.60	697.40	1330.00	704.44	.00	705.02	15.74	6.07	219.03	335.20
38.000	39.00	729.10	721.60	697.40	1510.00	704.74	.00	705.42	17.61	6.61	228.55	359.83
38.000	39.00	729.10	721.60	697.40	1990.00	705.66	.00	706.59	20.42	7.71	258.00	440.37
* 39.000	59.00	.00	.00	697.30	589.00	703.15	.00	703.21	3.17	1.93	319.45	330.75
* 39.000	59.00	.00	.00	697.30	794.00	703.74	.00	703.82	3.67	2.27	369.54	414.44
* 39.000	59.00	.00	.00	697.30	945.00	704.14	.00	704.23	3.96	2.49	403.12	474.76
* 39.000	59.00	.00	.00	697.30	1160.00	704.66	.00	704.78	4.30	2.77	447.61	559.61
* 39.000	59.00	.00	.00	697.30	1330.00	705.06	.00	705.19	4.48	2.96	481.71	628.33
* 39.000	59.00	.00	.00	697.30	1510.00	705.48	.00	705.63	4.61	3.14	517.09	702.94
* 39.000	59.00	.00	.00	697.30	1990.00	706.67	.00	706.86	4.52	3.48	619.08	936.02
39.300	47.00	.00	.00	697.30	589.00	703.15	.00	703.25	4.72	2.66	265.83	270.99
39.300	47.00	.00	.00	697.30	794.00	703.73	.00	703.87	5.61	3.13	329.01	335.20
39.300	47.00	.00	.00	697.30	945.00	704.13	.00	704.29	6.10	3.41	371.42	382.77
39.300	47.00	.00	.00	697.30	1160.00	704.65	.00	704.84	6.62	3.75	427.63	450.79
39.300	47.00	.00	.00	697.30	1330.00	705.04	.00	705.26	6.89	3.99	470.72	506.53
39.300	47.00	.00	.00	697.30	1510.00	705.46	.00	705.70	7.08	4.20	515.45	567.51
39.300	47.00	.00	.00	697.30	1990.00	706.66	.00	706.93	6.85	4.57	644.71	760.41
39.600	8.00	702.60	704.90	697.30	589.00	703.14	.00	703.27	5.60	2.79	211.16	248.90
39.600	8.00	702.60	704.90	697.30	794.00	703.72	.00	703.90	7.17	3.37	242.92	296.53

	39.600	8.00	702.60	704.90	697.30	945.00	704.11	.00	704.32	8.12	3.73	271.09	331.72
	39.600	8.00	702.60	704.90	697.30	1160.00	704.62	.00	704.88	9.30	4.18	308.51	331.30
*	39.600	8.00	702.60	704.90	697.30	1330.00	705.01	.00	705.31	23.69	4.48	337.06	275.24
*	39.600	8.00	702.60	704.90	697.30	1510.00	705.42	.00	705.76	46.25	4.85	364.44	222.02
*	39.600	8.00	702.60	704.90	697.30	1990.00	706.64	.00	706.96	37.82	4.90	509.46	323.58
	40.000	215.00	.00	.00	697.36	589.00	703.29	.00	703.44	10.19	3.43	301.57	184.55
	40.000	215.00	.00	.00	697.36	794.00	703.94	.00	704.08	8.80	3.50	466.31	257.61
	40.000	215.00	.00	.00	697.36	945.00	704.39	.00	704.52	7.76	3.49	583.77	339.26
	40.000	215.00	.00	.00	697.36	1160.00	704.98	.00	705.10	6.72	3.48	737.48	47.45
*	40.000	215.00	.00	.00	697.36	1330.00	705.49	.00	705.59	5.80	3.42	869.16	552.04
*	40.000	215.00	.00	.00	697.36	1510.00	705.98	.00	706.08	5.15	3.38	998.91	665.13
*	40.000	215.00	.00	.00	697.36	1990.00	707.14	.00	707.24	4.27	3.41	1299.61	952.76

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	40.500	182.00	.00	.00	697.40	589.00	703.47	.00	703.65	12.09	3.45	198.83	169.36
	40.500	182.00	.00	.00	697.40	794.00	704.09	.00	704.31	13.32	3.86	251.08	217.58
	40.500	182.00	.00	.00	697.40	945.00	704.52	.00	704.75	13.57	4.06	289.42	256.52
	40.500	182.00	.00	.00	697.40	1160.00	705.07	.00	705.33	13.17	4.31	357.70	319.63
*	40.500	182.00	.00	.00	697.40	1330.00	705.55	.00	705.82	12.03	4.38	420.30	383.39
*	40.500	182.00	.00	.00	697.40	1510.00	706.03	.00	706.29	11.16	4.46	481.96	452.05
*	40.500	182.00	.00	.00	697.40	1990.00	707.16	.00	707.44	9.76	4.69	629.01	636.86
*	41.000	105.00	.00	.00	697.60	565.00	703.70	.00	703.72	.62	1.00	566.51	717.74
*	41.000	105.00	.00	.00	697.60	771.00	704.37	.00	704.39	.80	1.21	638.77	859.59
*	41.000	105.00	.00	.00	697.60	923.00	704.81	.00	704.84	.94	1.34	689.21	949.94
*	41.000	105.00	.00	.00	697.60	1130.00	705.39	.00	705.43	1.09	1.49	757.30	1081.35
*	41.000	105.00	.00	.00	697.60	1300.00	705.87	.00	705.91	1.13	1.60	814.52	1220.91
*	41.000	105.00	.00	.00	697.60	1480.00	706.34	.00	706.39	1.17	1.70	871.06	1365.42
*	41.000	105.00	.00	.00	697.60	1950.00	707.48	.00	707.54	1.26	1.94	1007.11	1739.06
	42.000	91.00	709.30	708.00	697.60	565.00	703.70	.00	703.72	.62	1.00	566.61	717.94
	42.000	91.00	709.30	708.00	697.60	771.00	704.37	.00	704.39	.80	1.21	638.90	859.85
	42.000	91.00	709.30	708.00	697.60	923.00	704.81	.00	704.84	.94	1.34	689.39	950.34
	42.000	91.00	709.30	708.00	697.60	1130.00	705.40	.00	705.43	1.09	1.49	757.41	1081.59
	42.000	91.00	709.30	708.00	697.60	1300.00	705.87	.00	705.91	1.13	1.60	814.78	1221.55
	42.000	91.00	709.30	708.00	697.60	1480.00	706.35	.00	706.39	1.17	1.70	871.35	1366.17
	42.000	91.00	709.30	708.00	697.60	1950.00	707.48	.00	707.54	1.26	1.94	1007.49	1740.13
*	43.000	94.00	.00	.00	697.64	565.00	703.67	.00	703.78	5.54	2.74	317.85	240.13
*	43.000	94.00	.00	.00	697.64	771.00	704.34	.00	704.45	5.53	2.99	450.60	327.76
*	43.000	94.00	.00	.00	697.64	923.00	704.79	.00	704.90	5.37	3.11	549.22	398.35
*	43.000	94.00	.00	.00	697.64	1130.00	705.37	.00	705.49	5.04	3.21	678.34	503.22
*	43.000	94.00	.00	.00	697.64	1300.00	705.86	.00	705.97	4.71	3.26	784.50	599.04
*	43.000	94.00	.00	.00	697.64	1480.00	706.33	.00	706.45	4.45	3.31	889.03	701.27
*	43.000	94.00	.00	.00	697.64	1950.00	707.47	.00	707.59	3.99	3.45	1140.43	976.79
	44.000	62.00	.00	.00	697.67	565.00	703.71	.00	703.82	6.22	2.84	322.91	226.47
	44.000	62.00	.00	.00	697.67	771.00	704.38	.00	704.49	5.75	2.99	491.62	321.52
	44.000	62.00	.00	.00	697.67	923.00	704.83	.00	704.94	5.25	3.02	619.50	402.93
	44.000	62.00	.00	.00	697.67	1130.00	705.43	.00	705.53	4.63	3.04	799.17	525.05
	44.000	62.00	.00	.00	697.67	1300.00	705.92	.00	706.01	4.11	3.01	955.11	640.88
	44.000	62.00	.00	.00	697.67	1480.00	706.40	.00	706.48	3.72	2.99	1108.65	767.43
	44.000	62.00	.00	.00	697.67	1950.00	707.55	.00	707.62	3.05	2.99	1477.03	1116.90
	45.000	57.00	.00	.00	697.70	565.00	703.74	.00	703.86	7.12	2.89	258.41	211.78
	45.000	57.00	.00	.00	697.70	771.00	704.40	.00	704.54	7.72	3.19	387.76	277.48
	45.000	57.00	.00	.00	697.70	923.00	704.85	.00	704.99	7.42	3.28	502.58	338.88
	45.000	57.00	.00	.00	697.70	1130.00	705.44	.00	705.58	6.57	3.33	680.74	440.77
	45.000	57.00	.00	.00	697.70	1300.00	705.92	.00	706.05	5.84	3.32	834.14	537.81
	45.000	57.00	.00	.00	697.70	1480.00	706.40	.00	706.52	5.27	3.31	991.80	644.81
	45.000	57.00	.00	.00	697.70	1950.00	707.55	.00	707.66	4.20	3.29	1419.09	952.04

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	46.000	123.00	.00	.00	697.85	565.00	703.82	.00	703.96	7.93	3.12	257.28	200.60
	46.000	123.00	.00	.00	697.85	771.00	704.49	.00	704.65	7.98	3.43	398.78	273.01
	46.000	123.00	.00	.00	697.85	923.00	704.94	.00	705.09	7.45	3.51	556.70	338.16
	46.000	123.00	.00	.00	697.85	1130.00	705.52	.00	705.66	6.36	3.47	809.53	448.25
	46.000	123.00	.00	.00	697.85	1300.00	706.01	.00	706.13	5.31	3.34	1059.06	563.90
	46.000	123.00	.00	.00	697.85	1480.00	706.49	.00	706.59	4.48	3.21	1339.08	699.17
	46.000	123.00	.00	.00	697.85	1950.00	707.65	.00	707.72	3.04	2.93	2118.75	1117.61
	46.500	187.00	.00	.00	698.07	565.00	703.97	.00	704.13	9.33	3.27	181.02	184.98
	46.500	187.00	.00	.00	698.07	771.00	704.63	.00	704.81	8.92	3.53	410.47	258.22
	46.500	187.00	.00	.00	698.07	923.00	705.08	.00	705.23	7.72	3.49	635.25	332.13
	46.500	187.00	.00	.00	698.07	1130.00	705.66	.00	705.77	5.95	3.27	996.15	463.45
	46.500	187.00	.00	.00	698.07	1300.00	706.13	.00	706.22	4.71	3.07	1308.48	599.20
	46.500	187.00	.00	.00	698.07	1480.00	706.60	.00	706.67	3.83	2.90	1634.28	756.66

46.500	187.00	.00	.00	698.07	1950.00	707.72	.00	707.77	2.52	2.61	2476.40	1228.43
47.000	192.00	.00	.00	698.30	565.00	704.18	.00	704.24	3.10	2.11	699.04	321.05
47.000	192.00	.00	.00	698.30	771.00	704.86	.00	704.91	2.56	2.08	1155.34	482.27
47.000	192.00	.00	.00	698.30	923.00	705.28	.00	705.32	2.24	2.05	1473.47	616.25
47.000	192.00	.00	.00	698.30	1130.00	705.81	.00	705.84	1.92	2.00	1903.59	816.09
47.000	192.00	.00	.00	698.30	1300.00	706.25	.00	706.28	1.67	1.95	2283.51	1007.47
47.000	192.00	.00	.00	698.30	1480.00	706.70	.00	706.72	1.47	1.91	2678.97	1220.24
47.000	192.00	.00	.00	698.30	1950.00	707.78	.00	707.80	1.09	1.80	3739.86	1866.34
47.500	244.00	.00	.00	698.65	565.00	704.26	.00	704.35	5.93	2.66	392.82	231.94
47.500	244.00	.00	.00	698.65	771.00	704.92	.00	705.01	5.22	2.73	671.84	337.62
47.500	244.00	.00	.00	698.65	923.00	705.33	.00	705.41	4.69	2.73	902.69	426.36
47.500	244.00	.00	.00	698.65	1130.00	705.85	.00	705.92	4.00	2.68	1217.04	565.02
47.500	244.00	.00	.00	698.65	1300.00	706.29	.00	706.35	3.44	2.61	1489.42	700.74
47.500	244.00	.00	.00	698.65	1480.00	706.73	.00	706.78	2.99	2.54	1772.11	855.69
47.500	244.00	.00	.00	698.65	1950.00	707.81	.00	707.85	2.21	2.41	2515.63	1312.16
48.000	256.00	.00	.00	699.00	565.00	704.40	.00	704.52	6.47	2.82	234.55	222.12
48.000	256.00	.00	.00	699.00	771.00	705.03	.00	705.17	6.79	3.16	436.87	295.95
48.000	256.00	.00	.00	699.00	923.00	705.43	.00	705.56	6.41	3.23	627.65	364.70
48.000	256.00	.00	.00	699.00	1130.00	705.93	.00	706.06	5.69	3.23	896.43	473.72
48.000	256.00	.00	.00	699.00	1300.00	706.36	.00	706.46	4.96	3.16	1145.36	583.95
48.000	256.00	.00	.00	699.00	1480.00	706.79	.00	706.88	4.28	3.06	1420.07	715.67
48.000	256.00	.00	.00	699.00	1950.00	707.85	.00	707.92	2.97	2.82	2208.25	1131.34
48.500	251.00	.00	.00	699.35	565.00	704.60	.00	704.69	6.62	2.71	435.15	219.65
48.500	251.00	.00	.00	699.35	771.00	705.25	.00	705.33	5.57	2.75	703.79	326.58
48.500	251.00	.00	.00	699.35	923.00	705.64	.00	705.71	5.14	2.78	901.19	407.30
48.500	251.00	.00	.00	699.35	1130.00	706.12	.00	706.19	4.53	2.78	1192.92	530.64
48.500	251.00	.00	.00	699.35	1300.00	706.52	.00	706.58	3.97	2.73	1463.41	652.08
48.500	251.00	.00	.00	699.35	1480.00	706.93	.00	706.98	3.46	2.66	1767.57	795.43
48.500	251.00	.00	.00	699.35	1950.00	707.95	.00	707.99	2.44	2.47	2639.60	1247.98

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
49.000	247.00	.00	.00	699.70	565.00	704.74	.00	704.95	13.33	3.66	188.29	154.74
49.000	247.00	.00	.00	699.70	771.00	705.36	.00	705.57	12.01	3.84	410.20	222.46
49.000	247.00	.00	.00	699.70	923.00	705.74	.00	705.93	10.83	3.85	587.46	280.51
49.000	247.00	.00	.00	699.70	1130.00	706.21	.00	706.37	9.17	3.77	855.35	373.07
49.000	247.00	.00	.00	699.70	1300.00	706.60	.00	706.74	7.76	3.64	1112.52	466.68
49.000	247.00	.00	.00	699.70	1480.00	707.00	.00	707.11	6.23	3.41	1407.78	592.72
49.000	247.00	.00	.00	699.70	1950.00	708.01	.00	708.07	3.97	3.02	2181.22	978.49
49.500	252.00	.00	.00	700.05	565.00	705.11	.00	705.37	19.81	4.10	208.46	126.94
49.500	252.00	.00	.00	700.05	771.00	705.70	.00	705.91	15.63	4.07	423.88	195.00
49.500	252.00	.00	.00	700.05	923.00	706.04	.00	706.23	13.81	4.04	583.36	248.41
49.500	252.00	.00	.00	700.05	1130.00	706.48	.00	706.63	11.04	3.86	892.88	360.02
49.500	252.00	.00	.00	700.05	1300.00	706.83	.00	706.95	8.92	3.64	1158.43	435.39
49.500	252.00	.00	.00	700.05	1480.00	707.18	.00	707.28	7.33	3.45	1433.14	546.75
49.500	252.00	.00	.00	700.05	1950.00	708.12	.00	708.18	4.59	3.04	2169.25	910.67
50.000	249.00	.00	.00	700.40	565.00	705.63	.00	705.89	22.17	4.32	199.90	120.00
50.000	249.00	.00	.00	700.40	771.00	706.11	.00	706.42	24.35	4.80	280.46	156.23
50.000	249.00	.00	.00	700.40	923.00	706.40	.00	706.74	25.90	5.11	335.74	181.37
50.000	249.00	.00	.00	700.40	1130.00	706.74	705.64	707.09	26.32	5.37	502.18	220.24
50.000	249.00	.00	.00	700.40	1300.00	707.05	.00	707.32	21.09	5.04	793.22	283.05
50.000	249.00	.00	.00	700.40	1480.00	707.38	.00	707.57	15.77	4.58	1118.83	372.70
50.000	249.00	.00	.00	700.40	1950.00	708.25	.00	708.33	7.79	3.60	2022.39	698.58
50.500	226.00	.00	.00	700.75	565.00	706.14	.00	706.34	17.72	3.84	262.41	134.23
50.500	226.00	.00	.00	700.75	771.00	706.68	.00	706.84	13.91	3.77	523.37	206.73
50.500	226.00	.00	.00	700.75	923.00	707.00	.00	707.14	12.10	3.71	705.49	265.38
50.500	226.00	.00	.00	700.75	1130.00	707.35	.00	707.48	10.88	3.71	917.24	342.63
50.500	226.00	.00	.00	700.75	1300.00	707.54	.00	707.67	11.11	3.85	1034.55	390.06
50.500	226.00	.00	.00	700.75	1480.00	707.74	.00	707.87	11.13	3.97	1158.99	443.62
50.500	226.00	.00	.00	700.75	1950.00	708.42	.00	708.53	8.83	3.86	1596.24	656.07
51.000	211.00	.00	.00	701.10	565.00	706.57	.00	706.79	24.89	3.74	151.27	113.26
51.000	211.00	.00	.00	701.10	771.00	707.01	.00	707.27	27.54	4.23	346.37	146.92
51.000	211.00	.00	.00	701.10	923.00	707.28	.00	707.54	27.38	4.40	491.55	176.39
51.000	211.00	.00	.00	701.10	1130.00	707.60	.00	707.85	26.71	4.56	679.75	218.66
51.000	211.00	.00	.00	701.10	1300.00	707.80	.00	708.06	27.28	4.73	805.66	248.91
51.000	211.00	.00	.00	701.10	1480.00	708.00	.00	708.25	26.92	4.83	950.36	285.26
51.000	211.00	.00	.00	701.10	1950.00	708.63	.00	708.84	22.06	4.72	1426.98	415.21
51.500	243.00	.00	.00	701.40	565.00	707.15	.00	707.26	15.26	3.04	427.44	144.65
51.500	243.00	.00	.00	701.40	771.00	707.64	.00	707.74	13.49	3.10	735.38	209.92
51.500	243.00	.00	.00	701.40	923.00	707.91	.00	708.01	13.17	3.19	907.04	254.31
51.500	243.00	.00	.00	701.40	1130.00	708.21	.00	708.31	13.11	3.32	1117.48	312.03
51.500	243.00	.00	.00	701.40	1300.00	708.42	.00	708.52	13.28	3.44	1281.95	356.69
51.500	243.00	.00	.00	701.40	1480.00	708.61	.00	708.72	13.48	3.55	1443.85	403.09
51.500	243.00	.00	.00	701.40	1950.00	709.15	.00	709.24	12.66	3.67	1906.37	547.95

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59.000	780.00	.00	.00	703.70	1360.00	711.54	.00	711.59	2.85	1.87	727.02	805.62
59.000	780.00	.00	.00	703.70	1550.00	711.76	.00	711.83	3.15	2.03	764.98	873.45
59.000	780.00	.00	.00	703.70	2010.00	712.20	.00	712.29	3.95	2.39	839.37	977.73
59.300	130.00	726.40	725.10	703.70	570.00	709.41	.00	709.44	1.29	1.29	443.23	501.88
59.300	130.00	726.40	725.10	703.70	800.00	710.24	.00	710.28	1.56	1.52	527.78	599.56
59.300	130.00	726.40	725.10	703.70	965.00	710.76	.00	710.80	2.43	1.61	597.74	679.55
59.300	130.00	726.40	725.10	703.70	1190.00	711.26	.00	711.31	2.69	1.75	680.93	758.86
59.300	130.00	726.40	725.10	703.70	1360.00	711.54	.00	711.59	2.84	1.87	727.45	806.38
59.300	130.00	726.40	725.10	703.70	1550.00	711.77	.00	711.83	3.14	2.02	765.48	844.35
59.300	130.00	726.40	725.10	703.70	2010.00	712.20	.00	712.29	3.94	2.39	840.11	913.15
59.600	98.00	.00	.00	703.70	570.00	709.43	.00	709.45	.87	1.11	514.35	599.71
59.600	98.00	.00	.00	703.70	800.00	710.27	.00	710.29	1.05	1.32	606.69	699.84
* 59.600	98.00	.00	.00	703.70	965.00	710.79	.00	710.82	1.12	1.44	695.86	790.42
* 59.600	98.00	.00	.00	703.70	1190.00	711.29	.00	711.33	1.22	1.59	834.99	936.95
* 59.600	98.00	.00	.00	703.70	1360.00	711.57	.00	711.62	1.32	1.70	911.65	1021.72
* 59.600	98.00	.00	.00	703.70	1550.00	711.80	.00	711.85	1.48	1.84	974.37	1073.48
* 59.600	98.00	.00	.00	703.70	2010.00	712.26	.00	712.33	1.87	2.16	1099.40	1217.13

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
60.000	114.00	710.40	709.10	703.70	570.00	709.45	.00	709.46	.86	1.10	517.91	616.00
60.000	114.00	710.40	709.10	703.70	800.00	710.31	.00	710.34	1.02	1.31	612.69	719.95
60.000	114.00	710.40	709.10	703.70	965.00	710.86	.00	710.89	1.04	1.39	837.96	948.53
60.000	114.00	710.40	709.10	703.70	1190.00	711.43	.00	711.45	.81	1.31	1436.36	1399.05
60.000	114.00	710.40	709.10	703.70	1360.00	711.76	.00	711.78	.70	1.26	1809.61	1630.13
* 60.000	114.00	710.40	709.10	703.70	1550.00	712.06	.00	712.07	.63	1.24	2139.52	1945.39
* 60.000	114.00	710.40	709.10	703.70	2010.00	712.68	.00	712.70	.53	1.20	2864.24	2751.38
* 61.000	29.00	.00	.00	703.71	570.00	709.45	.00	709.47	2.12	1.37	624.61	391.53
61.000	29.00	.00	.00	703.71	800.00	710.33	.00	710.34	1.08	1.14	961.06	759.12
61.000	29.00	.00	.00	703.71	965.00	710.89	.00	710.90	.82	1.07	1178.40	1068.34
61.000	29.00	.00	.00	703.71	1190.00	711.44	.00	711.46	.72	1.08	1390.24	1398.18
61.000	29.00	.00	.00	703.71	1360.00	711.77	.00	711.78	.71	1.12	1515.81	1610.62
61.000	29.00	.00	.00	703.71	1550.00	712.06	.00	712.07	.73	1.17	1629.78	1813.91
61.000	29.00	.00	.00	703.71	2010.00	712.68	.00	712.70	.78	1.29	1871.63	2277.29
62.000	56.00	.00	.00	703.72	570.00	709.47	.00	709.48	1.84	1.31	710.30	420.24
62.000	56.00	.00	.00	703.72	800.00	710.34	.00	710.35	.82	1.01	1154.69	831.73
62.000	56.00	.00	.00	703.72	965.00	710.89	.00	710.90	.60	.93	1435.67	1247.50
62.000	56.00	.00	.00	703.72	1190.00	711.45	.00	711.46	.51	.92	1717.46	1666.39
62.000	56.00	.00	.00	703.72	1360.00	711.78	.00	711.79	.49	.94	1882.52	1534.65
62.000	56.00	.00	.00	703.72	1550.00	712.07	.00	712.08	.50	.98	2030.09	2138.27
62.000	56.00	.00	.00	703.72	2010.00	712.69	.00	712.71	.53	1.07	2345.76	2772.84
63.000	145.00	.00	.00	703.76	570.00	709.49	.00	709.50	1.44	1.20	814.90	475.33
63.000	145.00	.00	.00	703.76	800.00	710.35	.00	710.36	.64	.91	1330.97	1001.02
63.000	145.00	.00	.00	703.76	965.00	710.90	.00	710.91	.46	.83	1661.14	1423.79
63.000	145.00	.00	.00	703.76	1190.00	711.46	.00	711.47	.39	.82	1994.51	1912.30
63.000	145.00	.00	.00	703.76	1360.00	711.79	.00	711.79	.37	.83	2190.25	2226.37
63.000	145.00	.00	.00	703.76	1550.00	712.08	.00	712.09	.38	.86	2365.59	2524.12
63.000	145.00	.00	.00	703.76	2010.00	712.71	.00	712.71	.39	.94	2740.84	3211.54
* 64.000	182.00	.00	.00	703.84	570.00	709.52	.00	709.56	4.29	2.12	921.12	275.09
* 64.000	182.00	.00	.00	703.84	800.00	710.37	.00	710.39	2.26	1.75	1566.73	532.14
* 64.000	182.00	.00	.00	703.84	965.00	710.91	.00	710.93	1.69	1.62	1985.23	741.69
* 64.000	182.00	.00	.00	703.84	1190.00	711.47	.00	711.48	1.46	1.61	2409.33	984.88
* 64.000	182.00	.00	.00	703.84	1360.00	711.79	.00	711.81	1.42	1.64	2658.81	1141.58
* 64.000	182.00	.00	.00	703.84	1550.00	712.09	.00	712.10	1.44	1.71	2882.70	1290.44
* 64.000	182.00	.00	.00	703.84	2010.00	712.71	.00	712.73	1.51	1.86	3361.90	1634.23
65.000	85.00	.00	.00	703.89	570.00	709.55	.00	709.59	3.67	2.04	907.61	297.34
65.000	85.00	.00	.00	703.89	800.00	710.38	.00	710.40	1.80	1.61	1591.98	577.08
65.000	85.00	.00	.00	703.89	965.00	710.93	.00	710.94	1.30	1.47	2038.36	846.09
65.000	85.00	.00	.00	703.89	1190.00	711.48	.00	711.49	1.09	1.43	2492.16	1137.97
65.000	85.00	.00	.00	703.89	1360.00	711.81	.00	711.82	1.05	1.45	2759.42	1327.05
65.000	85.00	.00	.00	703.89	1550.00	712.10	.00	712.11	1.06	1.50	2999.45	1517.26
65.000	85.00	.00	.00	703.89	2010.00	712.73	.00	712.74	1.09	1.62	3513.45	1924.94

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
66.000	178.00	.00	.00	703.96	570.00	709.61	.00	709.66	4.60	2.32	789.42	255.79
66.000	178.00	.00	.00	703.96	800.00	710.41	.00	710.43	2.14	1.77	1525.41	546.63
66.000	178.00	.00	.00	703.96	965.00	710.95	.00	710.96	1.43	1.55	2071.86	815.71
66.000	178.00	.00	.00	703.96	1190.00	711.50	.00	711.51	1.11	1.45	2667.23	1150.07
66.000	178.00	.00	.00	703.96	1360.00	711.82	.00	711.83	1.02	1.44	3032.11	1348.95
66.000	178.00	.00	.00	703.96	1550.00	712.12	.00	712.13	.98	1.45	3368.61	1543.20
66.000	178.00	.00	.00	703.96	2010.00	712.75	.00	712.76	.94	1.51	4100.88	2015.81

67.000	80.00	.00	.00	704.00	570.00	709.64	.00	709.70	5.07	2.49	675.05	253.02
67.000	80.00	.00	.00	704.00	800.00	710.43	.00	710.46	2.79	2.05	1245.84	475.36
67.000	80.00	.00	.00	704.00	965.00	710.96	.00	710.98	1.98	1.84	1655.08	652.46
67.000	80.00	.00	.00	704.00	1190.00	711.50	.00	711.52	1.60	1.75	2099.05	911.94
67.000	80.00	.00	.00	704.00	1360.00	711.83	.00	711.84	1.49	1.75	2372.04	1112.92
67.000	80.00	.00	.00	704.00	1550.00	712.12	.00	712.14	1.47	1.79	2624.37	1275.38
67.000	80.00	.00	.00	704.00	2010.00	712.75	.00	712.77	1.44	1.87	3179.85	1677.05
67.500	247.00	.00	.00	704.15	570.00	709.78	.00	709.85	6.68	2.66	647.92	220.48
67.500	247.00	.00	.00	704.15	800.00	710.50	.00	710.53	3.32	2.09	1256.02	439.09
67.500	247.00	.00	.00	704.15	965.00	711.01	.00	711.03	2.18	1.82	1750.08	653.41
67.500	247.00	.00	.00	704.15	1190.00	711.55	.00	711.56	1.61	1.66	2317.74	938.77
67.500	247.00	.00	.00	704.15	1360.00	711.87	.00	711.88	1.43	1.63	2672.85	1136.47
67.500	247.00	.00	.00	704.15	1550.00	712.16	.00	712.17	1.35	1.63	3005.06	1333.29
67.500	247.00	.00	.00	704.15	2010.00	712.79	.00	712.80	1.23	1.66	3752.35	1811.96
68.000	255.00	.00	.00	704.30	570.00	709.94	.00	709.97	3.58	1.99	845.63	301.05
68.000	255.00	.00	.00	704.30	800.00	710.58	.00	710.60	2.37	1.78	1398.38	519.87
68.000	255.00	.00	.00	704.30	965.00	711.06	.00	711.08	1.63	1.58	1876.31	756.85
68.000	255.00	.00	.00	704.30	1190.00	711.59	.00	711.60	1.24	1.47	2420.18	1067.14
68.000	255.00	.00	.00	704.30	1360.00	711.90	.00	711.91	1.13	1.45	2762.99	1281.26
68.000	255.00	.00	.00	704.30	1550.00	712.19	.00	712.20	1.08	1.46	3084.76	1493.82
68.000	255.00	.00	.00	704.30	2010.00	712.82	.00	712.83	1.00	1.50	3802.62	2057.45
68.500	249.00	.00	.00	704.45	570.00	710.04	.00	710.09	5.79	2.38	669.87	236.79
68.500	249.00	.00	.00	704.45	800.00	710.65	.00	710.67	3.23	1.96	1259.43	445.35
68.500	249.00	.00	.00	704.45	965.00	711.11	.00	711.12	2.15	1.71	1722.06	658.03
68.500	249.00	.00	.00	704.45	1190.00	711.62	.00	711.63	1.58	1.57	2257.53	948.10
68.500	249.00	.00	.00	704.45	1360.00	711.93	.00	711.94	1.39	1.53	2595.16	1152.41
68.500	249.00	.00	.00	704.45	1550.00	712.22	.00	712.23	1.30	1.54	2912.89	1357.34
68.500	249.00	.00	.00	704.45	2010.00	712.84	.00	712.85	1.17	1.56	3624.62	1854.84
69.000	256.00	.00	.00	704.60	570.00	710.19	.00	710.22	4.17	1.93	784.50	279.28
69.000	256.00	.00	.00	704.60	800.00	710.74	.00	710.76	3.25	1.84	1193.29	443.93
69.000	256.00	.00	.00	704.60	965.00	711.17	.00	711.18	2.30	1.66	1617.31	636.63
69.000	256.00	.00	.00	704.60	1190.00	711.66	.00	711.68	1.73	1.55	2141.85	905.12
69.000	256.00	.00	.00	704.60	1360.00	711.97	.00	711.98	1.53	1.52	2493.87	1100.10
69.000	256.00	.00	.00	704.60	1550.00	712.26	.00	712.27	1.43	1.52	2834.58	1298.35
69.000	256.00	.00	.00	704.60	2010.00	712.88	.00	712.89	1.26	1.54	3618.56	1791.03

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
69.500	254.00	.00	.00	704.75	570.00	710.31	.00	710.35	5.41	2.03	535.27	245.09
69.500	254.00	.00	.00	704.75	800.00	710.82	.00	710.85	3.84	1.86	859.05	408.50
69.500	254.00	.00	.00	704.75	965.00	711.23	.00	711.25	2.63	1.64	1227.89	595.58
69.500	254.00	.00	.00	704.75	1190.00	711.71	.00	711.72	1.73	1.42	1757.84	904.27
69.500	254.00	.00	.00	704.75	1360.00	712.01	.00	712.02	1.41	1.33	2114.06	1144.73
69.500	254.00	.00	.00	704.75	1550.00	712.29	.00	712.30	1.23	1.29	2457.90	1399.51
69.500	254.00	.00	.00	704.75	2010.00	712.91	.00	712.92	.96	1.22	3232.05	2048.82
70.000	250.00	.00	.00	704.90	256.00	710.40	.00	710.40	.67	.74	693.68	313.46
70.000	250.00	.00	.00	704.90	363.00	710.89	.00	710.89	.50	.69	1091.37	511.01
70.000	250.00	.00	.00	704.90	443.00	711.27	.00	711.28	.37	.63	1446.61	727.45
70.000	250.00	.00	.00	704.90	554.00	711.74	.00	711.74	.28	.59	1900.65	1041.70
70.000	250.00	.00	.00	704.90	644.00	712.04	.00	712.04	.25	.58	2211.79	1277.06
70.000	250.00	.00	.00	704.90	741.00	712.32	.00	712.32	.24	.57	2523.49	1526.83
70.000	250.00	.00	.00	704.90	998.00	712.93	.00	712.93	.21	.59	3231.28	2153.45
70.300	180.00	.00	.00	705.04	256.00	710.41	.00	710.42	1.21	1.24	648.72	233.08
* 70.300	180.00	.00	.00	705.04	363.00	710.89	.00	710.91	1.16	1.30	973.24	337.65
* 70.300	180.00	.00	.00	705.04	443.00	711.28	.00	711.29	1.01	1.27	1270.94	441.41
* 70.300	180.00	.00	.00	705.04	554.00	711.74	.00	711.75	.86	1.25	1653.75	596.90
* 70.300	180.00	.00	.00	705.04	644.00	712.04	.00	712.05	.83	1.26	1895.78	708.19
* 70.300	180.00	.00	.00	705.04	741.00	712.32	.00	712.33	.81	1.29	2124.28	821.76
* 70.300	180.00	.00	.00	705.04	998.00	712.93	.00	712.94	.82	1.38	2628.56	1099.64
70.600	200.00	.00	.00	705.20	256.00	710.43	.00	710.45	1.05	1.09	670.98	250.16
70.600	200.00	.00	.00	705.20	363.00	710.92	.00	710.93	1.00	1.15	1008.23	362.26
70.600	200.00	.00	.00	705.20	443.00	711.30	.00	711.31	.88	1.13	1308.99	472.75
70.600	200.00	.00	.00	705.20	554.00	711.76	.00	711.77	.76	1.12	1699.91	634.03
70.600	200.00	.00	.00	705.20	644.00	712.06	.00	712.06	.73	1.14	1963.64	753.22
70.600	200.00	.00	.00	705.20	741.00	712.34	.00	712.34	.72	1.16	2217.16	875.92
70.600	200.00	.00	.00	705.20	998.00	712.94	.00	712.95	.72	1.24	2785.19	1177.47
71.000	189.00	.00	.00	705.30	256.00	710.46	.00	710.47	1.25	1.13	702.31	228.78
71.000	189.00	.00	.00	705.30	363.00	710.94	.00	710.95	1.25	1.22	953.61	324.80
71.000	189.00	.00	.00	705.30	443.00	711.32	.00	711.33	1.13	1.23	1196.73	417.04
71.000	189.00	.00	.00	705.30	554.00	711.77	.00	711.78	1.01	1.24	1546.96	552.41
71.000	189.00	.00	.00	705.30	644.00	712.07	.00	712.08	.97	1.26	1802.18	654.25
71.000	189.00	.00	.00	705.30	741.00	712.35	.00	712.36	.95	1.29	2063.13	761.02
71.000	189.00	.00	.00	705.30	998.00	712.96	.00	712.97	.91	1.35	2724.68	1046.14
71.500	252.00	.00	.00	705.45	256.00	710.49	.00	710.50	1.52	1.13	701.77	207.81
71.500	252.00	.00	.00	705.45	363.00	710.97	.00	710.98	1.26	1.13	1060.33	323.00

71.500	252.00	.00	.00	705.45	443.00	711.35	.00	711.35	1.05	1.10	1341.94	432.39
71.500	252.00	.00	.00	705.45	554.00	711.80	.00	711.81	.89	1.08	1686.16	527.44
71.500	252.00	.00	.00	705.45	644.00	712.10	.00	712.10	.84	1.10	1932.72	751.24
71.500	252.00	.00	.00	705.45	741.00	712.38	.00	712.38	.82	1.13	2169.82	818.67
71.500	252.00	.00	.00	705.45	998.00	712.98	.00	712.99	.81	1.21	2724.83	1108.26

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*K5	VCH	AREA	.01K
*	72.000	248.00	.00	.00	705.60	256.00	710.54	.00	710.56	3.10	1.47	486.56	145.31
*	72.000	248.00	.00	.00	705.60	363.00	711.01	.00	711.03	2.68	1.50	729.25	221.66
*	72.000	248.00	.00	.00	705.60	443.00	711.38	.00	711.39	2.22	1.46	926.18	297.33
*	72.000	248.00	.00	.00	705.60	554.00	711.83	.00	711.84	1.87	1.44	1167.69	405.30
*	72.000	248.00	.00	.00	705.60	644.00	712.12	.00	712.14	1.75	1.46	1364.17	486.45
*	72.000	248.00	.00	.00	705.60	741.00	712.40	.00	712.41	1.68	1.49	1556.44	572.27
*	72.000	248.00	.00	.00	705.60	998.00	713.01	.00	713.02	1.60	1.58	2011.08	788.97
	73.000	291.00	.00	.00	705.77	256.00	710.61	.00	710.64	2.12	1.29	286.45	175.87
	73.000	291.00	.00	.00	705.77	363.00	711.08	.00	711.11	2.41	1.51	375.50	233.69
	73.000	291.00	.00	.00	705.77	443.00	711.44	.00	711.47	2.43	1.61	444.70	284.29
	73.000	291.00	.00	.00	705.77	554.00	711.88	.00	711.92	2.48	1.75	528.57	351.76
	73.000	291.00	.00	.00	705.77	644.00	712.17	.00	712.21	2.54	1.85	644.72	404.21
	73.000	291.00	.00	.00	705.77	741.00	712.45	.00	712.49	2.58	1.94	760.05	461.28
	73.000	291.00	.00	.00	705.77	998.00	713.05	.00	713.10	2.65	2.12	1106.98	613.54
	74.000	141.00	.00	.00	705.84	256.00	710.64	.00	710.66	1.60	1.38	186.12	202.62
	74.000	141.00	.00	.00	705.84	363.00	711.11	.00	711.15	2.28	1.76	206.33	240.60
	74.000	141.00	.00	.00	705.84	443.00	711.46	.00	711.52	2.67	2.00	221.74	271.28
	74.000	141.00	.00	.00	705.84	554.00	711.91	.00	711.96	2.22	1.93	609.32	371.72
	74.000	141.00	.00	.00	705.84	644.00	712.20	.00	712.24	2.02	1.90	887.74	453.13
	74.000	141.00	.00	.00	705.84	741.00	712.48	.00	712.52	2.00	1.95	1056.01	523.66
	74.000	141.00	.00	.00	705.84	998.00	713.09	.00	713.13	1.98	2.06	1458.10	709.34
*	75.000	6.00	711.90	712.70	705.87	256.00	710.59	.00	710.72	5.71	2.86	89.65	107.09
*	75.000	6.00	711.90	712.70	705.87	363.00	711.03	.00	711.24	8.55	3.71	97.97	124.15
*	75.000	6.00	711.90	712.70	705.87	443.00	711.35	.00	711.63	10.37	4.25	104.19	137.57
*	75.000	6.00	711.90	712.70	705.87	554.00	711.74	.00	712.13	12.90	4.96	111.60	154.27
*	75.000	6.00	711.90	712.70	705.87	644.00	711.99	709.15	712.46	15.21	5.54	117.56	165.13
*	75.000	6.00	711.90	712.70	705.87	741.00	712.22	709.47	712.80	17.74	6.13	134.17	175.93
*	75.000	6.00	711.90	712.70	705.87	998.00	712.75	710.26	713.49	54.98	7.14	236.52	134.59
*	76.000	102.00	.00	.00	705.91	256.00	710.76	.00	710.77	.80	.87	351.50	287.09
*	76.000	102.00	.00	.00	705.91	363.00	711.30	.00	711.32	.95	1.04	442.07	373.26
*	76.000	102.00	.00	.00	705.91	443.00	711.72	.00	711.74	.99	1.13	510.30	445.17
*	76.000	102.00	.00	.00	705.91	554.00	712.24	.00	712.26	1.02	1.24	664.20	548.55
*	76.000	102.00	.00	.00	705.91	644.00	712.60	.00	712.63	1.03	1.30	802.67	635.03
*	76.000	102.00	.00	.00	705.91	741.00	712.97	.00	712.99	1.01	1.35	1025.17	735.53
*	76.000	102.00	.00	.00	705.91	998.00	713.71	.00	713.73	1.00	1.45	1560.27	999.95
	76.500	246.00	.00	.00	706.05	256.00	710.77	.00	710.78	.60	.80	409.28	329.43
	76.500	246.00	.00	.00	706.05	363.00	711.33	.00	711.34	.68	.93	645.46	439.66
	76.500	246.00	.00	.00	706.05	443.00	711.75	.00	711.76	.67	.97	848.85	542.58
	76.500	246.00	.00	.00	706.05	554.00	712.27	.00	712.28	.63	1.02	1140.96	697.03
	76.500	246.00	.00	.00	706.05	644.00	712.64	.00	712.65	.61	1.04	1369.85	823.29
	76.500	246.00	.00	.00	706.05	741.00	713.00	.00	713.01	.59	1.07	1610.14	962.77
	76.500	246.00	.00	.00	706.05	998.00	713.74	.00	713.75	.60	1.16	2125.57	1289.91

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*K5	VCH	AREA	.01K
	77.000	240.00	.00	.00	706.20	256.00	710.79	.00	710.80	.55	.74	505.91	346.56
	77.000	240.00	.00	.00	706.20	363.00	711.35	.00	711.36	.58	.84	796.65	476.04
	77.000	240.00	.00	.00	706.20	443.00	711.76	.00	711.77	.55	.87	1045.17	595.93
	77.000	240.00	.00	.00	706.20	554.00	712.29	.00	712.30	.51	.90	1395.28	774.66
	77.000	240.00	.00	.00	706.20	644.00	712.65	.00	712.66	.49	.92	1665.56	919.86
	77.000	240.00	.00	.00	706.20	741.00	713.02	.00	713.03	.47	.94	1945.46	1083.95
	77.000	240.00	.00	.00	706.20	998.00	713.76	.00	713.76	.46	1.01	2539.42	1465.09
	77.500	267.00	.00	.00	706.35	256.00	710.81	.00	710.82	.85	.95	322.43	277.69
	77.500	267.00	.00	.00	706.35	363.00	711.36	.00	711.38	.96	1.11	559.05	370.63
	77.500	267.00	.00	.00	706.35	443.00	711.78	.00	711.80	.90	1.14	793.37	465.72
	77.500	267.00	.00	.00	706.35	554.00	712.30	.00	712.32	.82	1.17	1100.13	611.95
	77.500	267.00	.00	.00	706.35	644.00	712.67	.00	712.68	.78	1.19	1322.47	731.04
	77.500	267.00	.00	.00	706.35	741.00	713.03	.00	713.04	.74	1.21	1547.37	861.66
	77.500	267.00	.00	.00	706.35	998.00	713.77	.00	713.78	.73	1.30	2013.65	1165.00
	78.000	247.00	.00	.00	706.50	256.00	710.83	.00	710.84	1.15	.94	314.12	238.78
	78.000	247.00	.00	.00	706.50	363.00	711.39	.00	711.41	1.18	1.06	489.65	334.69
	78.000	247.00	.00	.00	706.50	443.00	711.80	.00	711.82	1.11	1.11	632.95	420.71
	78.000	247.00	.00	.00	706.50	554.00	712.32	.00	712.34	1.03	1.16	828.85	546.06
	78.000	247.00	.00	.00	706.50	644.00	712.69	.00	712.71	.99	1.20	976.92	646.09
	78.000	247.00	.00	.00	706.50	741.00	713.05	.00	713.07	.96	1.24	1128.80	756.25

78.000	247.00	.00	.00	706.50	998.00	713.79	.00	713.81	.98	1.37	1447.81	1029.18
79.000	336.00	.00	.00	706.70	256.00	710.87	.00	710.88	1.19	1.07	258.93	23.21
79.000	336.00	.00	.00	706.70	363.00	711.43	.00	711.45	1.41	1.28	343.29	33.56
79.000	336.00	.00	.00	706.70	443.00	711.84	.00	711.87	1.48	1.40	406.00	35.56
79.000	336.00	.00	.00	706.70	554.00	712.36	.00	712.39	1.54	1.53	486.14	46.31
79.000	336.00	.00	.00	706.70	644.00	712.72	.00	712.76	1.60	1.64	543.59	52.75
79.000	336.00	.00	.00	706.70	741.00	713.08	.00	713.12	1.66	1.74	603.29	57.64
79.000	336.00	.00	.00	706.70	998.00	713.81	.00	713.87	1.91	2.02	734.01	72.45
* 79.300	50.00	.00	.00	706.80	300.00	710.87	.00	710.91	4.74	1.64	183.03	137.83
* 79.300	50.00	.00	.00	706.80	428.00	711.43	.00	711.48	5.08	1.88	227.33	189.82
* 79.300	50.00	.00	.00	706.80	518.00	711.84	.00	711.90	4.95	1.98	261.42	232.85
* 79.300	50.00	.00	.00	706.80	636.00	712.35	.00	712.42	4.71	2.08	306.33	293.06
* 79.300	50.00	.00	.00	706.80	727.00	712.71	.00	712.79	4.54	2.15	338.81	341.17
* 79.300	50.00	.00	.00	706.80	822.00	713.07	.00	713.15	4.26	2.21	371.67	398.09
* 79.300	50.00	.00	.00	706.80	1060.00	713.81	.00	713.90	4.07	2.41	438.95	525.31
79.600	120.00	721.00	715.90	706.80	300.00	710.92	.00	710.96	4.45	1.61	186.90	142.18
79.600	120.00	721.00	715.90	706.80	428.00	711.49	.00	711.54	4.81	1.85	231.64	195.12
79.600	120.00	721.00	715.90	706.80	518.00	711.90	.00	711.96	4.72	1.95	265.73	238.46
79.600	120.00	721.00	715.90	706.80	636.00	712.41	.00	712.47	4.53	2.05	310.58	298.96
79.600	120.00	721.00	715.90	706.80	727.00	712.77	.00	712.84	4.35	2.12	343.44	348.56
79.600	120.00	721.00	715.90	706.80	822.00	713.13	.00	713.20	4.13	2.19	375.98	404.30
79.600	120.00	721.00	715.90	706.80	1060.00	713.86	.00	713.95	4.02	2.39	443.04	528.73

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
* 80.000	202.00	.00	.00	706.80	300.00	711.02	.00	711.15	13.00	2.89	124.35	83.21
* 80.000	202.00	.00	.00	706.80	428.00	711.59	.00	711.74	12.81	3.25	180.28	119.58
* 80.000	202.00	.00	.00	706.80	518.00	711.99	.00	712.15	11.95	3.39	222.47	149.83
* 80.000	202.00	.00	.00	706.80	636.00	712.49	.00	712.66	10.90	3.53	278.19	192.63
* 80.000	202.00	.00	.00	706.80	727.00	712.85	.00	713.02	10.38	3.63	318.48	225.61
* 80.000	202.00	.00	.00	706.80	822.00	713.20	.00	713.38	9.91	3.72	360.04	261.17
* 80.000	202.00	.00	.00	706.80	1060.00	713.92	.00	714.12	9.54	4.01	450.21	343.24
81.000	80.00	.00	.00	706.90	300.00	711.13	.00	711.26	14.30	2.86	115.67	79.32
81.000	80.00	.00	.00	706.90	428.00	711.72	.00	711.86	14.56	3.06	194.98	112.18
81.000	80.00	.00	.00	706.90	518.00	712.14	.00	712.26	13.20	3.03	253.25	142.56
81.000	80.00	.00	.00	706.90	636.00	712.65	.00	712.77	11.42	2.96	328.55	188.20
81.000	80.00	.00	.00	706.90	727.00	713.01	.00	713.12	10.07	2.94	382.40	229.14
81.000	80.00	.00	.00	706.90	822.00	713.36	.00	713.47	8.86	2.95	434.91	276.11
81.000	80.00	.00	.00	706.90	1060.00	714.10	.00	714.22	7.57	3.08	545.45	385.24
* 82.000	141.00	.00	.00	706.80	300.00	711.34	.00	711.41	6.10	2.01	174.17	121.42
* 82.000	141.00	.00	.00	706.80	428.00	711.92	.00	712.00	6.16	2.30	233.93	172.46
* 82.000	141.00	.00	.00	706.80	518.00	712.31	.00	712.40	5.99	2.44	276.13	211.59
* 82.000	141.00	.00	.00	706.80	636.00	712.79	.00	712.89	5.74	2.60	330.93	265.35
* 82.000	141.00	.00	.00	706.80	727.00	713.13	.00	713.23	5.68	2.71	371.21	305.08
* 82.000	141.00	.00	.00	706.80	822.00	713.46	.00	713.57	5.57	2.82	415.20	348.18
* 82.000	141.00	.00	.00	706.80	1060.00	714.19	.00	714.31	5.22	2.99	691.61	463.81
* 82.300	50.00	.00	.00	706.80	300.00	711.41	.00	711.43	1.51	1.18	253.89	244.11
* 82.300	50.00	.00	.00	706.80	428.00	712.00	.00	712.03	1.80	1.44	298.08	318.97
* 82.300	50.00	.00	.00	706.80	518.00	712.39	.00	712.43	1.94	1.58	326.87	371.95
* 82.300	50.00	.00	.00	706.80	636.00	712.87	.00	712.92	2.07	1.75	362.51	441.97
* 82.300	50.00	.00	.00	706.80	727.00	713.21	.00	713.26	2.16	1.88	387.63	494.19
* 82.300	50.00	.00	.00	706.80	822.00	713.54	.00	713.60	2.25	1.99	412.32	547.75
* 82.300	50.00	.00	.00	706.80	1060.00	714.34	.00	714.35	.53	1.06	2660.68	1451.11
82.600	93.00	714.00	713.40	706.80	300.00	711.41	.00	711.43	1.50	1.18	254.48	245.07
82.600	93.00	714.00	713.40	706.80	428.00	712.00	.00	712.03	1.80	1.44	298.21	319.20
82.600	93.00	714.00	713.40	706.80	518.00	712.39	.00	712.43	1.94	1.58	327.03	372.25
82.600	93.00	714.00	713.40	706.80	636.00	712.87	.00	712.92	2.07	1.75	362.70	442.35
82.600	93.00	714.00	713.40	706.80	727.00	713.21	.00	713.27	2.16	1.87	387.85	494.66
82.600	93.00	714.00	713.40	706.80	822.00	713.58	.00	713.64	2.21	1.98	414.73	553.11
82.600	93.00	714.00	713.40	706.80	1060.00	714.47	.00	714.48	.48	1.02	2771.27	1527.52
* 83.000	20.00	.00	.00	706.81	300.00	711.37	.00	711.48	7.92	2.72	118.63	106.61
* 83.000	20.00	.00	.00	706.81	428.00	711.94	.00	712.11	9.59	3.30	153.88	138.24
* 83.000	20.00	.00	.00	706.81	518.00	712.32	.00	712.51	10.16	3.60	182.62	162.53
* 83.000	20.00	.00	.00	706.81	636.00	712.79	.00	713.01	10.52	3.91	220.12	196.04
* 83.000	20.00	.00	.00	706.81	727.00	713.13	.00	713.37	10.74	4.12	247.70	221.82
* 83.000	20.00	.00	.00	706.81	822.00	713.49	.00	713.74	10.69	4.29	278.35	251.43
* 83.000	20.00	.00	.00	706.81	1060.00	714.33	.00	714.62	10.34	4.62	359.03	329.65

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
84.000	57.00	.00	.00	706.91	300.00	711.44	.00	711.54	9.01	2.52	127.03	99.92
84.000	57.00	.00	.00	706.91	428.00	712.05	.00	712.18	10.22	2.87	166.46	133.90

84.000	57.00	.00	.00	706.91	518.00	712.45	.00	712.59	9.72	3.03	198.72	166.11
84.000	57.00	.00	.00	706.91	636.00	712.95	.00	713.09	9.07	3.19	242.38	211.09
84.000	57.00	.00	.00	706.91	727.00	713.30	.00	713.45	8.68	3.29	275.70	241.75
84.000	57.00	.00	.00	706.91	822.00	713.67	.00	713.83	8.15	3.37	313.20	271.44
84.000	57.00	.00	.00	706.91	1060.00	714.54	.00	714.71	7.01	3.49	430.30	401.25
85.000	117.00	.00	.00	707.00	300.00	711.53	.00	711.64	7.37	2.65	125.49	111.50
85.000	117.00	.00	.00	707.00	428.00	712.15	.00	712.29	8.24	3.11	182.29	149.12
85.000	117.00	.00	.00	707.00	518.00	712.55	.00	712.69	7.84	3.22	253.62	184.99
85.000	117.00	.00	.00	707.00	636.00	713.06	.00	713.19	6.97	3.25	345.24	241.87
85.000	117.00	.00	.00	707.00	727.00	713.42	.00	713.55	6.42	3.26	410.71	286.39
85.000	117.00	.00	.00	707.00	822.00	713.80	.00	713.92	5.75	3.23	482.41	342.82
85.000	117.00	.00	.00	707.00	1060.00	714.69	.00	714.79	4.63	3.18	665.88	492.71
86.000	110.00	.00	.00	707.08	300.00	711.62	.00	711.72	6.81	2.56	147.99	114.97
86.000	110.00	.00	.00	707.08	428.00	712.28	.00	712.38	6.63	2.82	239.81	166.18
86.000	110.00	.00	.00	707.08	518.00	712.68	.00	712.78	6.15	2.88	320.49	208.93
86.000	110.00	.00	.00	707.08	636.00	713.18	.00	713.27	5.30	2.86	442.55	276.26
86.000	110.00	.00	.00	707.08	727.00	713.54	.00	713.62	4.69	2.81	548.25	335.62
86.000	110.00	.00	.00	707.08	822.00	713.91	.00	713.99	4.04	2.72	672.98	408.99
86.000	110.00	.00	.00	707.08	1060.00	714.79	.00	714.84	2.85	2.51	1009.66	627.34
87.000	223.00	.00	.00	707.23	300.00	711.79	.00	711.89	8.88	2.62	115.77	101.65
87.000	223.00	.00	.00	707.23	428.00	712.43	.00	712.57	9.51	3.05	158.54	138.81
87.000	223.00	.00	.00	707.23	518.00	712.81	.00	712.97	9.44	3.24	202.22	168.58
87.000	223.00	.00	.00	707.23	636.00	713.28	.00	713.44	8.84	3.37	270.68	213.86
87.000	223.00	.00	.00	707.23	727.00	713.62	.00	713.78	8.30	3.43	325.70	252.36
87.000	223.00	.00	.00	707.23	822.00	713.98	.00	714.13	7.59	3.43	389.31	298.39
* 87.000	223.00	.00	.00	707.23	1060.00	714.83	.00	714.96	6.01	3.37	566.35	432.50
88.000	94.00	.00	.00	707.30	300.00	711.89	.00	712.01	17.22	2.79	107.70	72.29
88.000	94.00	.00	.00	707.30	428.00	712.55	.00	712.69	16.80	2.97	143.97	104.42
88.000	94.00	.00	.00	707.30	518.00	712.95	.00	713.07	13.25	2.91	247.04	142.33
88.000	94.00	.00	.00	707.30	636.00	713.44	.00	713.53	8.73	2.63	424.59	215.20
88.000	94.00	.00	.00	707.30	727.00	713.79	.00	713.86	6.61	2.45	574.92	282.83
88.000	94.00	.00	.00	707.30	822.00	714.14	.00	714.20	5.01	2.27	751.27	367.22
* 88.000	94.00	.00	.00	707.30	1060.00	714.97	.00	715.00	2.76	1.91	1246.53	638.17
88.300	177.00	.00	.00	707.47	300.00	712.18	.00	712.34	18.23	3.19	108.68	70.25
88.300	177.00	.00	.00	707.47	428.00	712.83	.00	712.96	13.65	3.08	227.70	115.86
88.300	177.00	.00	.00	707.47	518.00	713.18	.00	713.29	10.81	2.95	334.24	157.55
88.300	177.00	.00	.00	707.47	636.00	713.60	.00	713.68	8.26	2.79	467.70	221.33
88.300	177.00	.00	.00	707.47	727.00	713.91	.00	713.98	6.73	2.66	584.95	280.24
88.300	177.00	.00	.00	707.47	822.00	714.23	.00	714.29	5.49	2.53	717.04	350.82
88.300	177.00	.00	.00	707.47	1060.00	715.02	.00	715.06	3.48	2.25	1065.81	568.57

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
88.600	179.00	.00	.00	707.64	300.00	712.50	.00	712.63	14.16	2.93	146.52	79.73
88.600	179.00	.00	.00	707.64	428.00	713.08	.00	713.18	11.55	2.91	247.80	125.92
88.600	179.00	.00	.00	707.64	518.00	713.38	.00	713.48	10.75	2.94	309.89	158.01
88.600	179.00	.00	.00	707.64	636.00	713.75	.00	713.85	9.93	2.96	388.23	201.84
88.600	179.00	.00	.00	707.64	727.00	714.03	.00	714.12	9.07	2.95	454.24	241.35
88.600	179.00	.00	.00	707.64	822.00	714.34	.00	714.42	7.87	2.90	549.91	292.96
88.600	179.00	.00	.00	707.64	1060.00	715.09	.00	715.14	5.31	2.66	841.99	459.87
89.000	179.00	.00	.00	707.81	300.00	712.74	.00	712.84	10.32	2.71	192.15	93.37
89.000	179.00	.00	.00	707.81	428.00	713.27	.00	713.35	8.46	2.72	316.24	147.15
89.000	179.00	.00	.00	707.81	518.00	713.56	.00	713.64	7.78	2.75	395.04	185.72
89.000	179.00	.00	.00	707.81	636.00	713.92	.00	713.99	7.06	2.78	496.48	239.34
89.000	179.00	.00	.00	707.81	727.00	714.18	.00	714.25	6.52	2.77	578.02	284.72
89.000	179.00	.00	.00	707.81	822.00	714.47	.00	714.53	5.78	2.72	682.42	342.03
89.000	179.00	.00	.00	707.81	1060.00	715.18	.00	715.22	4.13	2.52	1002.61	521.55
89.500	261.00	.00	.00	708.06	300.00	713.01	.00	713.06	6.36	2.03	246.84	118.97
89.500	261.00	.00	.00	708.06	428.00	713.49	.00	713.52	4.43	1.88	434.81	203.43
* 89.500	261.00	.00	.00	708.06	518.00	713.76	.00	713.79	3.73	1.82	554.70	268.15
* 89.500	261.00	.00	.00	708.06	636.00	714.10	.00	714.12	3.02	1.74	715.25	366.08
* 89.500	261.00	.00	.00	708.06	727.00	714.35	.00	714.37	2.60	1.68	837.08	450.63
* 89.500	261.00	.00	.00	708.06	822.00	714.61	.00	714.63	2.24	1.63	966.43	549.71
* 89.500	261.00	.00	.00	708.06	1060.00	715.28	.00	715.29	1.59	1.51	1293.98	841.92
* 90.000	256.00	.00	.00	708.30	300.00	713.16	.00	713.18	3.00	1.51	391.87	173.20
90.000	256.00	.00	.00	708.30	428.00	713.60	.00	713.61	2.54	1.52	565.82	268.30
90.000	256.00	.00	.00	708.30	518.00	713.85	.00	713.87	2.37	1.53	680.04	336.20
90.000	256.00	.00	.00	708.30	636.00	714.17	.00	714.19	2.11	1.53	835.99	437.78
90.000	256.00	.00	.00	708.30	727.00	714.41	.00	714.43	1.91	1.51	955.00	526.26
90.000	256.00	.00	.00	708.30	822.00	714.67	.00	714.68	1.71	1.48	1081.43	628.98
90.000	256.00	.00	.00	708.30	1060.00	715.32	.00	715.33	1.30	1.41	1403.77	928.57
* 91.000	257.00	.00	.00	708.40	300.00	713.25	.00	713.40	18.75	3.28	134.82	69.29
* 91.000	257.00	.00	.00	708.40	428.00	713.68	.00	713.78	12.84	3.01	273.23	119.45
* 91.000	257.00	.00	.00	708.40	518.00	713.93	.00	714.01	10.39	2.85	366.61	160.71
* 91.000	257.00	.00	.00	708.40	636.00	714.24	.00	714.30	7.85	2.63	499.47	227.24

*	98.300	202.00	.00	.00	709.22	300.00	714.31	.00	714.44	11.82	3.18	227.34	17.27
*	98.300	202.00	.00	.00	709.22	428.00	714.78	.00	714.84	6.77	2.59	591.50	11.49
*	98.300	202.00	.00	.00	709.22	518.00	715.02	.00	715.06	5.41	2.40	799.63	222.64
*	98.300	202.00	.00	.00	709.22	636.00	715.26	.00	715.29	4.74	2.32	1010.87	221.15
*	98.300	202.00	.00	.00	709.22	727.00	715.44	.00	715.47	4.28	2.26	1171.21	221.27
*	98.300	202.00	.00	.00	709.22	822.00	715.63	.00	715.66	3.79	2.18	1348.55	221.50
*	98.300	202.00	.00	.00	709.22	1060.00	716.17	.00	716.19	2.62	1.93	1848.05	221.24
	98.600	254.00	.00	.00	709.36	300.00	714.61	.00	714.70	7.86	2.46	230.84	107.04
	98.600	254.00	.00	.00	709.36	428.00	714.95	.00	715.05	8.53	2.74	387.86	105.58
	98.600	254.00	.00	.00	709.36	518.00	715.17	.00	715.25	8.30	2.81	535.98	107.83
	98.600	254.00	.00	.00	709.36	636.00	715.39	.00	715.47	8.01	2.87	708.45	224.67
	98.600	254.00	.00	.00	709.36	727.00	715.56	.00	715.63	7.58	2.87	840.23	224.00
	98.600	254.00	.00	.00	709.36	822.00	715.74	.00	715.80	6.94	2.83	985.77	311.98
	98.600	254.00	.00	.00	709.36	1060.00	716.25	.00	716.29	4.95	2.57	1411.53	475.45
	99.000	225.00	.00	.00	709.50	300.00	714.80	.00	714.89	9.19	2.49	240.13	92.94
	99.000	225.00	.00	.00	709.50	428.00	715.16	.00	715.24	8.18	2.55	494.59	149.63
	99.000	225.00	.00	.00	709.50	518.00	715.37	.00	715.43	7.61	2.56	644.67	127.83
	99.000	225.00	.00	.00	709.50	636.00	715.58	.00	715.65	7.36	2.62	805.82	234.49
	99.000	225.00	.00	.00	709.50	727.00	715.74	.00	715.80	7.12	2.65	925.21	272.41
	99.000	225.00	.00	.00	709.50	822.00	715.90	.00	715.96	6.74	2.65	1055.16	315.66
	99.000	225.00	.00	.00	709.50	1060.00	716.36	.00	716.41	5.33	2.54	1428.04	452.96
	99.500	250.00	.00	.00	709.60	300.00	715.04	.00	715.11	7.86	2.14	171.00	107.03
	99.500	250.00	.00	.00	709.60	428.00	715.37	.00	715.45	8.60	2.37	390.54	145.92
	99.500	250.00	.00	.00	709.60	518.00	715.56	.00	715.64	8.49	2.43	524.60	177.75
	99.500	250.00	.00	.00	709.60	636.00	715.77	.00	715.85	8.49	2.52	670.82	218.23
	99.500	250.00	.00	.00	709.60	727.00	715.92	.00	715.99	8.32	2.57	776.20	252.03
	99.500	250.00	.00	.00	709.60	822.00	716.08	.00	716.15	8.02	2.61	887.59	290.34
	99.500	250.00	.00	.00	709.60	1060.00	716.50	.00	716.56	6.57	2.56	1205.46	413.54

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
	100.000	277.00	.00	.00	709.70	300.00	715.24	.00	715.30	5.92	2.16	327.31	123.35
	100.000	277.00	.00	.00	709.70	428.00	715.59	.00	715.65	6.42	2.41	488.13	168.95
	100.000	277.00	.00	.00	709.70	518.00	715.78	.00	715.85	6.83	2.57	583.11	198.16
	100.000	277.00	.00	.00	709.70	636.00	715.99	.00	716.06	7.41	2.77	692.85	233.61
	100.000	277.00	.00	.00	709.70	727.00	716.14	.00	716.22	7.78	2.90	773.54	260.71
	100.000	277.00	.00	.00	709.70	822.00	716.29	.00	716.37	8.01	3.01	859.40	290.40
	100.000	277.00	.00	.00	709.70	1060.00	716.69	.00	716.76	7.60	3.11	1103.93	384.53
	100.500	205.00	.00	.00	709.80	300.00	715.37	.00	715.42	5.26	1.76	247.93	130.84
	100.500	205.00	.00	.00	709.80	428.00	715.73	.00	715.77	4.83	1.84	429.71	154.83
	100.500	205.00	.00	.00	709.80	518.00	715.93	.00	715.97	4.67	1.89	548.44	239.77
	100.500	205.00	.00	.00	709.80	636.00	716.15	.00	716.19	4.51	1.94	695.77	299.43
	100.500	205.00	.00	.00	709.80	727.00	716.31	.00	716.35	4.40	1.98	802.83	345.75
	100.500	205.00	.00	.00	709.80	822.00	716.46	.00	716.50	4.26	2.00	911.88	398.49
*	100.500	205.00	.00	.00	709.80	1060.00	716.85	.00	716.88	3.77	2.01	1192.43	546.15
	101.000	223.00	.00	.00	709.90	300.00	715.48	.00	715.51	2.79	1.54	404.86	179.46
	101.000	223.00	.00	.00	709.90	428.00	715.84	.00	715.86	2.66	1.60	606.87	262.55
	101.000	223.00	.00	.00	709.90	518.00	716.03	.00	716.05	2.60	1.63	741.03	321.08
	101.000	223.00	.00	.00	709.90	636.00	716.25	.00	716.27	2.56	1.68	908.70	397.46
	101.000	223.00	.00	.00	709.90	727.00	716.40	.00	716.42	2.52	1.70	1037.70	458.41
	101.000	223.00	.00	.00	709.90	822.00	716.56	.00	716.58	2.45	1.72	1175.17	525.27
	101.000	223.00	.00	.00	709.90	1060.00	716.93	.00	716.95	2.08	1.67	1525.93	734.76
	102.000	131.00	.00	.00	710.00	300.00	715.52	.00	715.57	4.99	2.12	312.65	134.30
	102.000	131.00	.00	.00	710.00	428.00	715.87	.00	715.92	4.74	2.19	483.64	195.58
	102.000	131.00	.00	.00	710.00	518.00	716.06	.00	716.11	4.71	2.25	581.75	233.74
	102.000	131.00	.00	.00	710.00	636.00	716.28	.00	716.33	4.75	2.33	692.00	291.94
	102.000	131.00	.00	.00	710.00	727.00	716.44	.00	716.48	4.77	2.39	769.55	332.83
	102.000	131.00	.00	.00	710.00	822.00	716.59	.00	716.63	4.77	2.44	846.67	376.21
*	102.000	131.00	.00	.00	710.00	1060.00	716.96	.00	717.00	4.67	2.53	1031.61	490.70
*	103.000	117.00	.00	.00	710.05	300.00	715.57	.00	715.70	14.00	3.16	159.33	81.17
*	103.000	117.00	.00	.00	710.05	428.00	715.91	.00	716.05	15.22	3.51	241.65	109.70
*	103.000	117.00	.00	.00	710.05	518.00	716.10	.00	716.25	15.88	3.71	289.31	130.01
*	103.000	117.00	.00	.00	710.05	636.00	716.32	.00	716.48	16.60	3.92	344.66	155.12
*	103.000	117.00	.00	.00	710.05	727.00	716.47	.00	716.63	16.95	4.06	385.36	175.57
*	103.000	117.00	.00	.00	710.05	822.00	716.63	.00	716.79	17.13	4.18	427.35	193.61
*	103.000	117.00	.00	.00	710.05	1060.00	716.99	.00	717.15	16.77	4.35	530.12	252.87
*	104.000	64.00	.00	.00	710.10	300.00	715.73	.00	715.77	3.20	1.69	258.78	167.63
*	104.000	64.00	.00	.00	710.10	428.00	716.07	.00	716.13	4.19	2.05	314.12	209.09
*	104.000	64.00	.00	.00	710.10	518.00	716.26	.00	716.33	4.90	2.29	344.52	233.96
*	104.000	64.00	.00	.00	710.10	636.00	716.48	.00	716.56	5.83	2.58	378.41	263.33
*	104.000	64.00	.00	.00	710.10	727.00	716.62	.00	716.72	6.53	2.79	401.79	254.57
*	104.000	64.00	.00	.00	710.10	822.00	716.76	.00	716.87	7.22	3.00	424.58	311.02
*	104.000	64.00	.00	.00	710.10	1060.00	717.09	.00	717.23	8.75	3.46	477.32	352.36

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
104.300	50.00	.00	.00	710.20	181.00	715.76	.00	715.78	.88	1.03	175.27	192.41
104.300	50.00	.00	.00	710.20	277.00	716.11	.00	716.15	1.60	1.46	189.54	219.21
104.300	50.00	.00	.00	710.20	345.00	716.30	.00	716.35	2.17	1.75	197.14	234.07
104.300	50.00	.00	.00	710.20	435.00	716.51	.00	716.58	2.99	2.11	205.78	251.41
104.300	50.00	.00	.00	710.20	502.00	716.65	.00	716.74	3.66	2.38	211.15	262.44
104.300	50.00	.00	.00	710.20	578.00	716.79	.00	716.90	4.45	2.67	216.71	274.05
104.300	50.00	.00	.00	710.20	757.00	717.12	.00	717.29	6.26	3.29	229.92	302.46
104.600	44.00	718.40	717.90	710.20	181.00	715.77	.00	715.79	1.16	1.04	174.70	167.70
104.600	44.00	718.40	717.90	710.20	277.00	716.12	.00	716.16	2.14	1.47	188.82	189.18
104.600	44.00	718.40	717.90	710.20	345.00	716.31	.00	716.36	2.93	1.75	196.71	201.55
104.600	44.00	718.40	717.90	710.20	435.00	716.53	.00	716.60	4.09	2.12	205.25	215.18
104.600	44.00	718.40	717.90	710.20	502.00	716.67	.00	716.76	4.99	2.38	211.07	224.63
104.600	44.00	718.40	717.90	710.20	578.00	716.81	.00	716.92	6.07	2.66	217.15	234.64
104.600	44.00	718.40	717.90	710.20	757.00	717.15	.00	717.32	8.65	3.28	230.71	257.41
105.000	45.00	.00	.00	710.20	181.00	715.77	.00	715.79	1.48	1.11	162.43	148.76
105.000	45.00	.00	.00	710.20	277.00	716.13	.00	716.17	2.52	1.54	179.55	174.35
105.000	45.00	.00	.00	710.20	345.00	716.33	.00	716.38	3.33	1.82	189.04	189.12
105.000	45.00	.00	.00	710.20	435.00	716.54	.00	716.62	4.45	2.18	199.66	206.12
105.000	45.00	.00	.00	710.20	502.00	716.69	.00	716.79	5.27	2.43	206.97	218.57
105.000	45.00	.00	.00	710.20	578.00	716.84	.00	716.95	6.25	2.70	214.10	231.27
105.000	45.00	.00	.00	710.20	757.00	717.19	.00	717.36	8.31	3.28	231.05	262.58
106.000	297.00	.00	.00	710.70	181.00	715.82	.00	715.84	1.57	1.20	151.03	144.60
106.000	297.00	.00	.00	710.70	277.00	716.21	.00	716.25	2.72	1.65	167.51	167.87
106.000	297.00	.00	.00	710.70	345.00	716.43	.00	716.48	3.60	1.95	177.15	181.90
106.000	297.00	.00	.00	710.70	435.00	716.68	.00	716.76	4.75	2.31	188.44	199.53
106.000	297.00	.00	.00	710.70	502.00	716.85	.00	716.95	5.52	2.56	196.33	213.66
106.000	297.00	.00	.00	710.70	578.00	717.02	.00	717.15	6.41	2.83	204.28	228.27
106.000	297.00	.00	.00	710.70	757.00	717.43	.00	717.61	8.24	3.40	222.77	263.74
106.300	40.00	.00	.00	710.90	181.00	715.82	.00	715.85	2.56	1.31	138.43	113.23
106.300	40.00	.00	.00	710.90	277.00	716.22	.00	716.26	3.93	1.75	158.40	139.74
106.300	40.00	.00	.00	710.90	345.00	716.44	.00	716.50	4.90	2.03	169.96	155.91
106.300	40.00	.00	.00	710.90	435.00	716.70	.00	716.78	6.16	2.37	183.34	175.34
106.300	40.00	.00	.00	710.90	502.00	716.87	.00	716.98	7.03	2.61	192.66	189.28
106.300	40.00	.00	.00	710.90	578.00	717.05	.00	717.18	8.05	2.86	202.11	203.76
106.300	40.00	.00	.00	710.90	757.00	717.47	.00	717.64	9.84	3.37	224.39	241.31
106.600	15.00	723.00	720.90	710.90	181.00	715.83	.00	715.86	2.53	1.30	138.95	113.90
106.600	15.00	723.00	720.90	710.90	277.00	716.24	.00	716.28	3.85	1.74	159.40	141.12
106.600	15.00	723.00	720.90	710.90	345.00	716.47	.00	716.53	4.77	2.01	171.36	157.91
106.600	15.00	723.00	720.90	710.90	435.00	716.73	.00	716.82	5.95	2.35	185.36	178.32
106.600	15.00	723.00	720.90	710.90	502.00	716.92	.00	717.02	6.76	2.57	195.17	193.10
106.600	15.00	723.00	720.90	710.90	578.00	717.11	.00	717.23	7.67	2.82	205.26	208.66
106.600	15.00	723.00	720.90	710.90	757.00	717.55	.00	717.72	9.17	3.30	229.17	249.95

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
107.000	15.00	.00	.00	710.90	181.00	715.84	.00	715.86	1.79	1.34	141.66	135.30
107.000	15.00	.00	.00	710.90	277.00	716.24	.00	716.29	2.97	1.84	161.34	160.72
107.000	15.00	.00	.00	710.90	345.00	716.47	.00	716.54	3.82	2.16	173.30	176.43
107.000	15.00	.00	.00	710.90	435.00	716.74	.00	716.83	4.95	2.55	187.70	195.57
107.000	15.00	.00	.00	710.90	502.00	716.92	.00	717.04	5.74	2.82	198.04	209.46
107.000	15.00	.00	.00	710.90	578.00	717.11	.00	717.25	6.68	3.11	208.56	223.71
107.000	15.00	.00	.00	710.90	757.00	717.55	.00	717.75	8.48	3.70	235.00	259.99
* 109.000	40.00	.00	.00	710.90	181.00	715.86	.00	715.87	.90	1.00	184.91	191.24
* 109.000	40.00	.00	.00	710.90	277.00	716.28	.00	716.30	1.50	1.38	212.07	226.51
* 109.000	40.00	.00	.00	710.90	345.00	716.52	.00	716.56	1.93	1.62	229.43	248.43
* 109.000	40.00	.00	.00	710.90	435.00	716.80	.00	716.86	2.49	1.91	251.27	275.59
* 109.000	40.00	.00	.00	710.90	502.00	717.00	.00	717.07	2.89	2.11	267.47	295.52
* 109.000	40.00	.00	.00	710.90	578.00	717.21	.00	717.29	3.32	2.32	285.03	316.98
* 109.000	40.00	.00	.00	710.90	757.00	717.69	.00	717.80	4.15	2.75	328.37	371.38
110.000	43.00	.00	.00	710.90	181.00	715.86	.00	715.88	.73	.89	213.73	211.73
110.000	43.00	.00	.00	710.90	277.00	716.29	.00	716.31	1.21	1.22	243.12	252.32
110.000	43.00	.00	.00	710.90	345.00	716.54	.00	716.57	1.54	1.43	261.03	277.64
110.000	43.00	.00	.00	710.90	435.00	716.83	.00	716.87	1.99	1.68	282.67	308.73
110.000	43.00	.00	.00	710.90	502.00	717.03	.00	717.08	2.29	1.86	298.67	332.06
110.000	43.00	.00	.00	710.90	578.00	717.24	.00	717.31	2.63	2.05	315.19	356.41
110.000	43.00	.00	.00	710.90	757.00	717.73	.00	717.82	3.30	2.43	355.28	416.57
111.000	55.00	.00	.00	710.90	181.00	715.87	.00	715.88	.61	.84	247.67	231.48
111.000	55.00	.00	.00	710.90	277.00	716.30	.00	716.32	.99	1.14	291.49	278.15
111.000	55.00	.00	.00	710.90	345.00	716.55	.00	716.58	1.26	1.33	318.33	307.79
111.000	55.00	.00	.00	710.90	435.00	716.85	.00	716.88	1.59	1.55	350.88	344.68
111.000	55.00	.00	.00	710.90	502.00	717.06	.00	717.10	1.82	1.70	374.91	372.51
111.000	55.00	.00	.00	710.90	578.00	717.27	.00	717.32	2.07	1.87	399.91	401.97

111.000	55.00	.00	.00	710.90	757.00	717.78	.00	717.84	2.51	2.18	462.09	472.21
112.000	52.00	.00	.00	710.90	181.00	715.87	.00	715.89	.75	.91	227.26	238.47
112.000	52.00	.00	.00	710.90	277.00	716.30	.00	716.33	1.21	1.23	269.07	281.45
112.000	52.00	.00	.00	710.90	345.00	716.56	.00	716.59	1.53	1.43	295.95	279.08
112.000	52.00	.00	.00	710.90	435.00	716.86	.00	716.90	1.92	1.67	329.73	313.91
112.000	52.00	.00	.00	710.90	502.00	717.07	.00	717.11	2.18	1.82	354.60	330.04
112.000	52.00	.00	.00	710.90	578.00	717.28	.00	717.34	2.46	1.99	381.96	368.68
112.000	52.00	.00	.00	710.90	757.00	717.79	.00	717.86	2.93	2.30	456.63	421.11
113.000	64.00	.00	.00	710.90	181.00	715.88	.00	715.89	.74	.90	247.42	210.84
113.000	64.00	.00	.00	710.90	277.00	716.31	.00	716.33	1.16	1.20	301.45	257.68
113.000	64.00	.00	.00	710.90	345.00	716.57	.00	716.60	1.43	1.39	335.29	298.13
113.000	64.00	.00	.00	710.90	435.00	716.87	.00	716.91	1.77	1.61	377.10	325.92
113.000	64.00	.00	.00	710.90	502.00	717.09	.00	717.13	1.99	1.75	407.71	355.18
113.000	64.00	.00	.00	710.90	578.00	717.31	.00	717.35	2.21	1.90	441.28	388.96
113.000	64.00	.00	.00	710.90	757.00	717.82	.00	717.88	2.59	2.18	525.90	470.52

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
114.000	144.00	.00	.00	711.00	181.00	715.89	.00	715.90	.65	.83	312.64	224.86
114.000	144.00	.00	.00	711.00	277.00	716.33	.00	716.35	.93	1.07	404.75	287.39
114.000	144.00	.00	.00	711.00	345.00	716.60	.00	716.62	1.09	1.20	465.80	329.82
114.000	144.00	.00	.00	711.00	435.00	716.91	.00	716.93	1.27	1.35	544.42	385.43
114.000	144.00	.00	.00	711.00	502.00	717.13	.00	717.15	1.37	1.44	604.92	429.28
114.000	144.00	.00	.00	711.00	578.00	717.36	.00	717.38	1.47	1.54	668.78	477.24
114.000	144.00	.00	.00	711.00	757.00	717.88	.00	717.91	1.57	1.70	828.89	604.23
115.000	135.00	.00	.00	711.10	181.00	715.90	.00	715.91	.67	.85	324.89	220.46
115.000	135.00	.00	.00	711.10	277.00	716.35	.00	716.36	.93	1.07	437.91	287.44
115.000	135.00	.00	.00	711.10	345.00	716.61	.00	716.63	1.07	1.20	509.57	333.66
115.000	135.00	.00	.00	711.10	435.00	716.93	.00	716.95	1.22	1.33	598.92	394.49
115.000	135.00	.00	.00	711.10	502.00	717.15	.00	717.17	1.30	1.41	663.88	441.03
115.000	135.00	.00	.00	711.10	578.00	717.38	.00	717.40	1.38	1.50	733.43	492.90
115.000	135.00	.00	.00	711.10	757.00	717.91	.00	717.93	1.46	1.64	897.04	625.85
* 116.000	123.00	.00	.00	711.10	181.00	715.91	.00	715.93	1.68	1.28	271.08	139.85
* 116.000	123.00	.00	.00	711.10	277.00	716.36	.00	716.38	2.09	1.54	388.03	191.39
* 116.000	123.00	.00	.00	711.10	345.00	716.63	.00	716.65	2.27	1.67	469.40	229.02
116.000	123.00	.00	.00	711.10	435.00	716.94	.00	716.97	2.32	1.76	573.29	285.36
116.000	123.00	.00	.00	711.10	502.00	717.17	.00	717.19	2.33	1.82	647.41	329.09
116.000	123.00	.00	.00	711.10	578.00	717.40	.00	717.43	2.33	1.88	725.95	378.34
116.000	123.00	.00	.00	711.10	757.00	717.93	.00	717.96	2.24	1.96	912.21	505.84
117.000	214.00	.00	.00	711.20	181.00	715.94	.00	715.96	1.55	1.20	311.68	145.37
117.000	214.00	.00	.00	711.20	277.00	716.40	.00	716.42	1.75	1.38	440.90	209.16
117.000	214.00	.00	.00	711.20	345.00	716.68	.00	716.70	1.84	1.47	525.50	254.33
117.000	214.00	.00	.00	711.20	435.00	717.00	.00	717.02	1.91	1.57	632.84	314.93
117.000	214.00	.00	.00	711.20	502.00	717.22	.00	717.24	1.92	1.63	709.89	361.87
117.000	214.00	.00	.00	711.20	578.00	717.45	.00	717.47	1.94	1.69	791.55	414.65
117.000	214.00	.00	.00	711.20	757.00	717.98	.00	718.00	1.89	1.78	983.87	550.36
118.000	212.00	.00	.00	711.20	181.00	715.98	.00	715.99	1.67	1.23	265.40	139.94
118.000	212.00	.00	.00	711.20	277.00	716.44	.00	716.46	1.95	1.45	383.84	198.45
118.000	212.00	.00	.00	711.20	345.00	716.71	.00	716.74	2.06	1.56	461.81	240.10
118.000	212.00	.00	.00	711.20	435.00	717.03	.00	717.06	2.15	1.67	567.68	296.51
118.000	212.00	.00	.00	711.20	502.00	717.26	.00	717.28	2.17	1.73	648.62	341.09
118.000	212.00	.00	.00	711.20	578.00	717.49	.00	717.52	2.17	1.78	736.82	392.30
118.000	212.00	.00	.00	711.20	757.00	718.02	.00	718.04	2.06	1.85	949.92	527.01
119.000	202.00	.00	.00	711.30	181.00	716.01	.00	716.04	3.14	1.58	194.83	102.07
119.000	202.00	.00	.00	711.30	277.00	716.48	.00	716.52	3.91	1.88	286.17	140.01
119.000	202.00	.00	.00	711.30	345.00	716.76	.00	716.80	4.07	2.00	350.26	170.99
119.000	202.00	.00	.00	711.30	435.00	717.08	.00	717.13	4.06	2.10	433.82	216.01
119.000	202.00	.00	.00	711.30	502.00	717.30	.00	717.35	4.00	2.16	497.08	251.12
119.000	202.00	.00	.00	711.30	578.00	717.53	.00	717.58	3.94	2.22	567.71	291.32
119.000	202.00	.00	.00	711.30	757.00	718.06	.00	718.10	3.63	2.29	746.43	397.29

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
120.000	181.00	.00	.00	711.40	181.00	716.07	.00	716.09	2.33	1.34	192.16	118.69
120.000	181.00	.00	.00	711.40	277.00	716.55	.00	716.58	2.74	1.60	283.08	167.40
120.000	181.00	.00	.00	711.40	345.00	716.83	.00	716.86	2.92	1.74	343.69	201.78
120.000	181.00	.00	.00	711.40	435.00	717.15	.00	717.19	3.08	1.88	421.34	247.69
120.000	181.00	.00	.00	711.40	502.00	717.37	.00	717.41	3.14	1.97	479.64	283.21
120.000	181.00	.00	.00	711.40	578.00	717.60	.00	717.64	3.20	2.06	543.31	322.96
120.000	181.00	.00	.00	711.40	757.00	718.12	.00	718.16	3.11	2.17	706.52	429.47
121.000	200.00	.00	.00	711.50	181.00	716.12	.00	716.14	2.05	1.26	235.80	125.30
121.000	200.00	.00	.00	711.50	277.00	716.61	.00	716.63	2.20	1.44	360.57	186.92

121.000	200.00	.00	.00	711.50	345.00	716.89	.00	716.92	2.26	1.53	438.61	229.42
121.000	200.00	.00	.00	711.50	435.00	717.22	.00	717.24	2.33	1.64	533.72	233.02
121.000	200.00	.00	.00	711.50	502.00	717.44	.00	717.47	2.35	1.70	602.78	327.63
121.000	200.00	.00	.00	711.50	578.00	717.67	.00	717.70	2.36	1.77	678.05	323.90
121.000	200.00	.00	.00	711.50	757.00	718.19	.00	718.22	2.30	1.87	859.53	499.38
122.000	221.00	.00	.00	711.50	181.00	716.16	.00	716.17	1.29	1.06	321.97	159.46
122.000	221.00	.00	.00	711.50	277.00	716.66	.00	716.67	1.55	1.23	461.88	222.75
122.000	221.00	.00	.00	711.50	345.00	716.94	.00	716.96	1.57	1.30	570.01	275.43
122.000	221.00	.00	.00	711.50	435.00	717.27	.00	717.29	1.59	1.38	698.17	345.47
122.000	221.00	.00	.00	711.50	502.00	717.49	.00	717.51	1.58	1.42	788.10	398.79
122.000	221.00	.00	.00	711.50	578.00	717.72	.00	717.74	1.59	1.47	883.80	458.88
122.000	221.00	.00	.00	711.50	757.00	718.24	.00	718.26	1.54	1.55	1105.09	609.49
123.000	186.00	.00	.00	711.60	181.00	716.18	.00	716.20	1.58	1.18	221.45	144.04
123.000	186.00	.00	.00	711.60	277.00	716.68	.00	716.71	1.76	1.37	383.75	209.05
123.000	186.00	.00	.00	711.60	345.00	716.97	.00	716.99	1.81	1.45	485.81	256.32
123.000	186.00	.00	.00	711.60	435.00	717.30	.00	717.32	1.82	1.53	613.11	322.22
123.000	186.00	.00	.00	711.60	502.00	717.52	.00	717.54	1.81	1.58	703.98	373.11
123.000	186.00	.00	.00	711.60	578.00	717.75	.00	717.78	1.80	1.62	801.87	431.22
123.000	186.00	.00	.00	711.60	757.00	718.27	.00	718.29	1.70	1.68	1031.80	581.01
124.000	213.00	.00	.00	711.70	181.00	716.22	.00	716.24	2.20	1.34	190.47	122.13
124.000	213.00	.00	.00	711.70	277.00	716.72	.00	716.75	2.22	1.49	366.85	185.83
124.000	213.00	.00	.00	711.70	345.00	717.01	.00	717.04	2.18	1.55	473.52	233.80
124.000	213.00	.00	.00	711.70	435.00	717.34	.00	717.36	2.12	1.61	604.65	299.05
124.000	213.00	.00	.00	711.70	502.00	717.56	.00	717.58	2.06	1.64	697.81	349.62
124.000	213.00	.00	.00	711.70	578.00	717.79	.00	717.82	2.01	1.67	797.29	407.53
124.000	213.00	.00	.00	711.70	757.00	718.31	.00	718.33	1.86	1.72	1028.95	555.12
* 125.000	190.00	.00	.00	711.80	181.00	716.20	.00	716.41	41.74	3.64	49.68	28.01
* 125.000	190.00	.00	.00	711.80	277.00	716.65	715.82	716.94	48.55	4.34	80.58	39.75
* 125.000	190.00	.00	.00	711.80	345.00	716.96	716.08	717.21	38.02	4.23	194.52	55.95
* 125.000	190.00	.00	.00	711.80	435.00	717.32	.00	717.51	28.08	4.00	334.69	82.09
* 125.000	190.00	.00	.00	711.80	502.00	717.55	.00	717.72	23.68	3.89	432.16	103.16
* 125.000	190.00	.00	.00	711.80	578.00	717.79	.00	717.94	20.49	3.81	535.97	127.69
* 125.000	190.00	.00	.00	711.80	757.00	718.32	.00	718.44	15.62	3.69	777.74	191.57

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	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
*	126.000	204.00	.00	.00	711.90	181.00	716.75	.00	716.80	10.44	2.29	311.05	56.01
*	126.000	204.00	.00	.00	711.90	277.00	717.26	.00	717.30	7.92	2.25	543.52	98.42
*	126.000	204.00	.00	.00	711.90	345.00	717.49	.00	717.53	7.79	2.34	667.44	123.64
*	126.000	204.00	.00	.00	711.90	435.00	717.76	.00	717.80	7.75	2.46	814.53	156.28
*	126.000	204.00	.00	.00	711.90	502.00	717.95	.00	717.99	7.61	2.52	923.11	181.96
*	126.000	204.00	.00	.00	711.90	578.00	718.15	.00	718.19	7.43	2.58	1042.40	212.07
*	126.000	204.00	.00	.00	711.90	757.00	718.61	.00	718.65	6.86	2.66	1315.74	288.94
127.000	197.00	.00	.00	712.10	181.00	716.97	.00	717.02	11.42	2.67	350.04	53.57	
127.000	197.00	.00	.00	712.10	277.00	717.43	.00	717.47	9.48	2.64	584.01	89.98	
127.000	197.00	.00	.00	712.10	345.00	717.66	.00	717.70	9.20	2.71	713.30	113.72	
127.000	197.00	.00	.00	712.10	435.00	717.93	.00	717.96	9.05	2.80	863.60	144.60	
127.000	197.00	.00	.00	712.10	502.00	718.12	.00	718.15	8.87	2.85	973.20	168.57	
127.000	197.00	.00	.00	712.10	578.00	718.32	.00	718.35	8.64	2.89	1095.88	196.67	
127.000	197.00	.00	.00	712.10	757.00	718.77	.00	718.79	7.93	2.94	1384.54	268.83	
* 128.000	202.00	.00	.00	712.10	181.00	717.06	.00	717.07	1.10	1.07	786.66	172.27	
* 128.000	202.00	.00	.00	712.10	277.00	717.51	.00	717.53	1.29	1.24	1123.74	244.21	
* 128.000	202.00	.00	.00	712.10	345.00	717.75	.00	717.76	1.43	1.36	1311.13	288.35	
* 128.000	202.00	.00	.00	712.10	435.00	718.02	.00	718.03	1.60	1.49	1534.75	344.21	
* 128.000	202.00	.00	.00	712.10	502.00	718.20	.00	718.22	1.69	1.57	1696.07	386.42	
* 128.000	202.00	.00	.00	712.10	578.00	718.40	.00	718.42	1.77	1.65	1874.79	434.88	
* 128.000	202.00	.00	.00	712.10	757.00	718.85	.00	718.86	1.84	1.78	2292.87	557.37	
* 129.000	285.00	.00	.00	712.30	181.00	717.10	.00	717.12	2.47	1.55	405.66	115.24	
* 129.000	285.00	.00	.00	712.30	277.00	717.55	.00	717.59	3.04	1.86	566.34	158.95	
* 129.000	285.00	.00	.00	712.30	345.00	717.79	.00	717.83	3.47	2.07	653.01	185.08	
* 129.000	285.00	.00	.00	712.30	435.00	718.06	.00	718.11	4.00	2.31	753.85	217.49	
* 129.000	285.00	.00	.00	712.30	502.00	718.25	.00	718.30	4.32	2.46	824.49	241.53	
* 129.000	285.00	.00	.00	712.30	578.00	718.45	.00	718.51	4.63	2.62	900.44	268.59	
* 129.000	285.00	.00	.00	712.30	757.00	718.89	.00	718.96	5.15	2.92	1071.19	333.71	
130.000	266.00	.00	.00	712.30	181.00	717.15	.00	717.17	1.36	1.13	347.45	155.45	
130.000	266.00	.00	.00	712.30	277.00	717.62	.00	717.65	1.79	1.41	518.31	207.30	
130.000	266.00	.00	.00	712.30	345.00	717.87	.00	717.90	2.08	1.58	614.94	239.02	
130.000	266.00	.00	.00	712.30	435.00	718.15	.00	718.19	2.44	1.79	730.36	278.72	
130.000	266.00	.00	.00	712.30	502.00	718.35	.00	718.39	2.63	1.91	817.37	309.79	
130.000	266.00	.00	.00	712.30	578.00	718.56	.00	718.60	2.83	2.04	908.66	343.34	
130.000	266.00	.00	.00	712.30	757.00	719.01	.00	719.07	3.15	2.28	1120.61	426.27	
131.000	165.00	.00	.00	712.40	181.00	717.18	.00	717.20	1.51	1.04	221.31	147.16	
131.000	165.00	.00	.00	712.40	277.00	717.65	.00	717.68	1.93	1.30	364.34	199.42	
131.000	165.00	.00	.00	712.40	345.00	717.91	.00	717.94	2.21	1.46	445.07	232.07	
131.000	165.00	.00	.00	712.40	435.00	718.20	.00	718.23	2.55	1.65	538.35	272.31	

131.000	165.00	.00	.00	712.40	502.00	718.39	.00	718.44	2.75	1.77	604.53	322.52
131.000	165.00	.00	.00	712.40	578.00	718.60	.00	718.65	2.95	1.89	676.08	334.59
131.000	165.00	.00	.00	712.40	757.00	719.06	.00	719.12	3.28	2.14	836.90	477.94

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
132.000	274.00	.00	.00	712.50	181.00	717.22	.00	717.24	1.68	1.06	249.72	139.48
132.000	274.00	.00	.00	712.50	277.00	717.71	.00	717.73	2.04	1.30	396.42	193.94
132.000	274.00	.00	.00	712.50	345.00	717.97	.00	718.00	2.29	1.45	480.12	227.97
132.000	274.00	.00	.00	712.50	435.00	718.27	.00	718.30	2.56	1.62	606.68	271.92
132.000	274.00	.00	.00	712.50	502.00	718.47	.00	718.51	2.71	1.73	698.03	305.17
132.000	274.00	.00	.00	712.50	578.00	718.69	.00	718.73	2.83	1.83	798.25	343.31
132.000	274.00	.00	.00	712.50	757.00	719.16	.00	719.21	3.02	2.03	1026.48	435.78
133.000	180.00	.00	.00	712.60	181.00	717.25	.00	717.27	1.69	1.39	545.12	139.30
133.000	180.00	.00	.00	712.60	277.00	717.75	.00	717.77	2.19	1.70	723.85	187.20
133.000	180.00	.00	.00	712.60	345.00	718.02	.00	718.04	2.53	1.89	831.59	216.90
133.000	180.00	.00	.00	712.60	435.00	718.32	.00	718.35	2.92	2.11	964.77	254.43
133.000	180.00	.00	.00	712.60	502.00	718.53	.00	718.56	3.15	2.25	1063.93	282.94
133.000	180.00	.00	.00	712.60	578.00	718.75	.00	718.79	3.35	2.38	1171.45	315.64
133.000	180.00	.00	.00	712.60	757.00	719.23	.00	719.27	3.67	2.61	1411.94	395.16
134.000	238.00	.00	.00	712.70	181.00	717.29	.00	717.30	.95	.88	399.75	185.73
134.000	238.00	.00	.00	712.70	277.00	717.79	.00	717.81	1.18	1.08	605.17	254.68
134.000	238.00	.00	.00	712.70	345.00	718.07	.00	718.09	1.33	1.20	730.35	298.74
134.000	238.00	.00	.00	712.70	435.00	718.38	.00	718.40	1.50	1.35	880.70	354.79
134.000	238.00	.00	.00	712.70	502.00	718.59	.00	718.62	1.61	1.44	985.12	395.99
* 134.000	238.00	.00	.00	712.70	578.00	718.82	.00	718.84	1.71	1.53	1096.85	442.39
134.000	238.00	.00	.00	712.70	757.00	719.30	.00	719.33	1.89	1.72	1338.54	550.48
135.000	302.00	.00	.00	712.80	181.00	717.32	.00	717.33	.71	.90	1021.28	214.21
135.000	302.00	.00	.00	712.80	277.00	717.84	.00	717.84	.88	1.08	1314.84	294.83
135.000	302.00	.00	.00	712.80	345.00	718.12	.00	718.12	1.01	1.19	1479.10	343.64
135.000	302.00	.00	.00	712.80	435.00	718.44	.00	718.44	1.15	1.33	1676.56	405.38
135.000	302.00	.00	.00	712.80	502.00	718.65	.00	718.66	1.24	1.41	1813.83	450.35
135.000	302.00	.00	.00	712.80	578.00	718.88	.00	718.89	1.33	1.50	1962.55	501.20
135.000	302.00	.00	.00	712.80	757.00	719.37	.00	719.38	1.48	1.67	2299.77	621.51
* 136.000	298.00	.00	.00	712.85	181.00	717.35	.00	717.37	2.03	1.25	343.90	127.19
* 136.000	298.00	.00	.00	712.85	277.00	717.87	.00	717.89	2.24	1.46	557.47	185.11
* 136.000	298.00	.00	.00	712.85	345.00	718.15	.00	718.18	2.39	1.58	685.13	223.20
* 136.000	298.00	.00	.00	712.85	435.00	718.47	.00	718.50	2.55	1.73	841.08	272.43
* 136.000	298.00	.00	.00	712.85	502.00	718.69	.00	718.72	2.64	1.82	953.00	309.13
136.000	298.00	.00	.00	712.85	578.00	718.92	.00	718.96	2.71	1.91	1076.56	350.95
136.000	298.00	.00	.00	712.85	757.00	719.42	.00	719.46	2.81	2.07	1358.21	451.67
137.000	249.00	.00	.00	712.90	181.00	717.40	.00	717.43	2.94	1.84	416.25	105.55
137.000	249.00	.00	.00	712.90	277.00	717.93	.00	717.96	3.45	2.15	593.99	149.06
137.000	249.00	.00	.00	712.90	345.00	718.22	.00	718.26	3.80	2.34	697.73	177.02
137.000	249.00	.00	.00	712.90	435.00	718.55	.00	718.59	4.19	2.56	821.73	212.48
137.000	249.00	.00	.00	712.90	502.00	718.77	.00	718.82	4.41	2.69	908.71	239.06
137.000	249.00	.00	.00	712.90	578.00	719.00	.00	719.05	4.61	2.83	1003.50	269.14
137.000	249.00	.00	.00	712.90	757.00	719.50	.00	719.56	4.96	3.09	1208.50	340.03

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
138.000	136.00	.00	.00	712.96	181.00	717.44	.00	717.47	2.07	1.38	223.00	125.86
138.000	136.00	.00	.00	712.96	277.00	717.98	.00	718.00	2.19	1.56	359.33	187.12
138.000	136.00	.00	.00	712.96	345.00	718.27	.00	718.30	2.24	1.65	444.55	230.63
138.000	136.00	.00	.00	712.96	435.00	718.61	.00	718.64	2.30	1.76	541.62	286.86
138.000	136.00	.00	.00	712.96	502.00	718.83	.00	718.86	2.33	1.82	606.75	328.53
138.000	136.00	.00	.00	712.96	578.00	719.07	.00	719.10	2.37	1.90	675.18	375.50
* 138.000	136.00	.00	.00	712.96	757.00	719.57	.00	719.61	2.42	2.04	821.31	486.16
139.000	100.00	.00	.00	713.01	181.00	717.46	.00	717.49	2.45	1.36	181.92	115.72
139.000	100.00	.00	.00	713.01	277.00	718.00	.00	718.03	2.70	1.59	278.63	168.51
139.000	100.00	.00	.00	713.01	345.00	718.29	.00	718.33	2.86	1.72	338.52	204.11
139.000	100.00	.00	.00	713.01	435.00	718.63	.00	718.67	3.03	1.88	409.28	249.72
139.000	100.00	.00	.00	713.01	502.00	718.85	.00	718.90	3.13	1.97	457.36	283.77
139.000	100.00	.00	.00	713.01	578.00	719.09	.00	719.14	3.22	2.07	507.81	321.99
139.000	100.00	.00	.00	713.01	757.00	719.59	.00	719.65	3.38	2.27	615.42	411.46
140.000	66.00	.00	.00	713.04	181.00	717.49	.00	717.51	2.21	1.21	193.16	121.88
140.000	66.00	.00	.00	713.04	277.00	718.02	.00	718.05	2.40	1.42	285.54	178.82
140.000	66.00	.00	.00	713.04	345.00	718.32	.00	718.35	2.54	1.55	342.65	216.53
140.000	66.00	.00	.00	713.04	435.00	718.65	.00	718.69	2.70	1.70	408.24	264.84
140.000	66.00	.00	.00	713.04	502.00	718.88	.00	718.92	2.80	1.79	452.18	300.04
140.000	66.00	.00	.00	713.04	578.00	719.11	.00	719.16	2.90	1.89	498.30	339.29
140.000	66.00	.00	.00	713.04	757.00	719.62	.00	719.67	3.09	2.10	596.67	430.46

141.000	63.00	.00	.00	713.07	181.00	717.50	.00	717.53	3.06	1.49	131.19	113.49
141.000	63.00	.00	.00	713.07	277.00	718.03	.00	718.08	3.99	1.88	171.78	133.75
141.000	63.00	.00	.00	713.07	345.00	718.32	.00	718.39	4.56	2.12	201.63	151.63
141.000	63.00	.00	.00	713.07	435.00	718.65	.00	718.73	5.18	2.39	236.47	181.19
141.000	63.00	.00	.00	713.07	502.00	718.87	.00	718.97	5.64	2.57	258.61	201.46
* 141.000	63.00	.00	.00	713.07	578.00	719.11	.00	719.21	6.06	2.76	282.81	231.87
* 141.000	63.00	.00	.00	713.07	757.00	719.60	.00	719.74	6.87	3.15	334.32	233.75
* 142.000	61.00	.00	.00	713.10	181.00	717.53	.00	717.54	.63	.87	272.42	223.28
* 142.000	61.00	.00	.00	713.10	277.00	718.08	.00	718.10	.95	1.16	314.19	251.02
* 142.000	61.00	.00	.00	713.10	345.00	718.39	.00	718.41	1.19	1.35	337.19	276.66
* 142.000	61.00	.00	.00	713.10	435.00	718.73	.00	718.76	1.50	1.58	363.35	355.42
* 142.000	61.00	.00	.00	713.10	502.00	718.96	.00	719.00	1.72	1.75	380.83	322.26
* 142.000	61.00	.00	.00	713.10	578.00	719.20	.00	719.25	1.98	1.92	399.07	411.03
* 142.000	61.00	.00	.00	713.10	757.00	719.71	.00	719.78	2.54	2.31	437.72	471.57
* 143.000	101.00	.00	.00	713.20	181.00	717.53	.00	717.57	2.92	1.52	119.22	105.90
* 143.000	101.00	.00	.00	713.20	277.00	718.08	.00	718.14	4.20	2.01	137.99	135.11
* 143.000	101.00	.00	.00	713.20	345.00	718.38	.00	718.46	5.11	2.32	148.45	152.62
* 143.000	101.00	.00	.00	713.20	435.00	718.72	.00	718.83	6.29	2.71	160.31	173.48
* 143.000	101.00	.00	.00	713.20	502.00	718.94	.00	719.08	7.13	2.98	168.21	187.95
* 143.000	101.00	.00	.00	713.20	578.00	719.18	.00	719.34	8.07	3.28	176.41	213.48
* 143.000	101.00	.00	.00	713.20	757.00	719.67	.00	719.91	10.14	3.91	193.69	237.76

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
144.000	23.50	728.30	725.50	713.20	181.00	717.54	.00	717.57	2.94	1.52	118.97	105.52
144.000	23.50	728.30	725.50	713.20	277.00	718.08	.00	718.15	4.19	2.01	138.15	135.38
144.000	23.50	728.30	725.50	713.20	345.00	718.39	.00	718.47	5.08	2.32	148.69	153.03
144.000	23.50	728.30	725.50	713.20	435.00	718.73	.00	718.84	6.24	2.71	160.67	174.12
144.000	23.50	728.30	725.50	713.20	502.00	718.96	.00	719.09	7.07	2.98	168.67	188.81
144.000	23.50	728.30	725.50	713.20	578.00	719.19	.00	719.36	7.98	3.27	177.01	204.62
144.000	23.50	728.30	725.50	713.20	757.00	719.70	.00	719.93	9.97	3.89	194.65	239.74
* 145.000	50.00	.00	.00	712.20	181.00	717.58	.00	717.58	.18	.50	359.04	428.69
* 145.000	50.00	.00	.00	712.20	277.00	718.16	.00	718.17	.28	.69	403.09	519.89
* 145.000	50.00	.00	.00	712.20	345.00	718.49	.00	718.50	.36	.81	427.86	574.22
* 145.000	50.00	.00	.00	712.20	435.00	718.86	.00	718.88	.46	.95	456.55	639.81
* 145.000	50.00	.00	.00	712.20	502.00	719.12	.00	719.14	.54	1.05	476.02	685.92
* 145.000	50.00	.00	.00	712.20	578.00	719.39	.00	719.41	.62	1.16	496.60	736.07
* 145.000	50.00	.00	.00	712.20	757.00	719.97	.00	720.00	.80	1.40	541.00	848.98
146.000	180.50	723.10	718.80	712.20	181.00	717.62	.00	717.62	.17	.50	362.06	434.72
146.000	180.50	723.10	718.80	712.20	277.00	718.23	.00	718.23	.27	.68	408.79	532.18
146.000	180.50	723.10	718.80	712.20	345.00	718.58	.00	718.59	.34	.79	435.78	592.03
146.000	180.50	723.10	718.80	712.20	435.00	719.00	.00	719.01	.43	.93	467.18	664.82
146.000	180.50	723.10	718.80	712.20	502.00	719.28	.00	719.30	.49	1.03	489.10	717.63
146.000	180.50	723.10	718.80	712.20	578.00	719.59	.00	719.61	.55	1.13	512.62	776.06
146.000	180.50	723.10	718.80	712.20	757.00	720.27	.00	720.30	.69	1.34	563.32	908.15
* 147.000	60.00	.00	.00	712.10	181.00	717.62	.00	717.62	.05	.29	1035.34	801.76
* 147.000	60.00	.00	.00	712.10	277.00	718.24	.00	718.24	.08	.38	1203.07	999.42
* 147.000	60.00	.00	.00	712.10	345.00	718.59	.00	718.59	.09	.44	1299.80	1121.44
* 147.000	60.00	.00	.00	712.10	435.00	719.01	.00	719.01	.12	.51	1415.70	1275.08
* 147.000	60.00	.00	.00	712.10	502.00	719.30	.00	719.31	.13	.55	1494.87	1384.56
* 147.000	60.00	.00	.00	712.10	578.00	719.61	.00	719.62	.15	.60	1579.77	1505.96
* 147.000	60.00	.00	.00	712.10	757.00	720.30	.00	720.30	.18	.70	1770.46	1793.18
* 147.500	290.00	.00	.00	712.15	181.00	717.62	.00	717.62	.01	.15	2774.05	1482.43
* 147.500	290.00	.00	.00	712.15	277.00	718.24	.00	718.24	.02	.19	3442.20	1996.34
* 147.500	290.00	.00	.00	712.15	345.00	718.59	.00	718.59	.02	.21	3844.90	2328.34
* 147.500	290.00	.00	.00	712.15	435.00	719.02	.00	719.02	.02	.23	4339.25	2759.02
* 147.500	290.00	.00	.00	712.15	502.00	719.31	.00	719.31	.03	.25	4694.76	3078.86
* 147.500	290.00	.00	.00	712.15	578.00	719.62	.00	719.62	.03	.26	5089.14	3442.51
* 147.500	290.00	.00	.00	712.15	757.00	720.31	.00	720.31	.03	.29	6004.60	4319.58
* 148.000	290.00	.00	.00	712.20	181.00	717.62	.00	717.62	.00	.09	3978.10	2623.48
* 148.000	290.00	.00	.00	712.20	277.00	718.24	.00	718.24	.01	.12	4755.51	3335.76
* 148.000	290.00	.00	.00	712.20	345.00	718.60	.00	718.60	.01	.13	5230.89	3788.98
* 148.000	290.00	.00	.00	712.20	435.00	719.02	.00	719.02	.01	.15	5817.28	4373.90
* 148.000	290.00	.00	.00	712.20	502.00	719.31	.00	719.31	.01	.16	6237.61	4804.23
* 148.000	290.00	.00	.00	712.20	578.00	719.62	.00	719.62	.01	.18	6702.69	5290.42
* 148.000	290.00	.00	.00	712.20	757.00	720.31	.00	720.31	.01	.20	7778.25	6451.93

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SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10*KS	VCH	AREA	.01K
149.000	635.00	.00	.00	712.30	181.00	717.62	.00	717.62	.00	.08	5719.49	3021.92
149.000	635.00	.00	.00	712.30	277.00	718.24	.00	718.24	.00	.10	6958.72	4003.21
149.000	635.00	.00	.00	712.30	345.00	718.60	.00	718.60	.01	.11	7700.98	4631.31
149.000	635.00	.00	.00	712.30	435.00	719.02	.00	719.02	.01	.12	8595.96	5438.25

149.000	635.00	.00	.00	712.30	502.00	719.31	.00	719.31	.01	.13	9221.55	6033.68
149.000	635.00	.00	.00	712.30	578.00	719.62	.00	719.62	.01	.14	9899.13	6711.58
149.000	635.00	.00	.00	712.30	757.00	720.31	.00	720.31	.01	.15	11416.14	8241.72

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.000	589.00	697.00	.00	.00	.00	52.50	.00
1.000	794.00	698.30	1.30	.00	.00	92.87	.00
1.000	945.00	699.85	1.55	.00	.00	198.72	.00
1.000	1160.00	700.45	.60	.00	.00	267.50	.00
1.000	1330.00	701.25	.80	.00	.00	290.00	.00
1.000	1510.00	701.90	.65	.00	.00	290.00	.00
1.000	1990.00	703.80	1.90	.00	.00	290.00	.00
*	2.000	589.00	697.95	.00	.95	150.00	257.00
*	2.000	794.00	699.05	1.10	.75	211.00	257.00
*	2.000	945.00	700.21	1.16	.36	211.00	257.00
*	2.000	1160.00	700.80	.59	.35	211.00	257.00
*	2.000	1330.00	701.51	.70	.26	211.00	257.00
*	2.000	1510.00	702.11	.60	.21	211.00	257.00
*	2.000	1990.00	703.92	1.81	.12	211.00	257.00
*	3.000	589.00	697.94	.00	-.01	91.76	90.00
*	3.000	794.00	699.04	1.10	-.01	104.61	90.00
*	3.000	945.00	700.21	1.16	-.01	118.16	90.00
*	3.000	1160.00	700.80	.59	-.01	123.91	90.00
*	3.000	1330.00	701.50	.70	-.01	123.95	90.00
*	3.000	1510.00	702.10	.60	-.01	123.98	90.00
*	3.000	1990.00	703.91	1.81	-.01	124.09	90.00
4.000	589.00	697.95	.00	.01	.00	91.82	109.00
4.000	794.00	699.05	1.10	.00	.00	104.66	109.00
4.000	945.00	700.21	1.16	.00	.00	118.19	109.00
4.000	1160.00	700.80	.59	.00	.00	123.91	109.00
4.000	1330.00	701.50	.70	.00	.00	123.95	109.00
4.000	1510.00	702.11	.60	.00	.00	123.98	109.00
4.000	1990.00	703.91	1.81	.00	.00	124.09	109.00
*	5.000	589.00	697.59	.00	-.36	39.38	52.00
*	5.000	794.00	698.72	1.12	-.33	71.83	52.00
*	5.000	945.00	700.05	1.33	-.16	222.69	52.00
*	5.000	1160.00	700.67	.62	-.13	269.91	52.00
*	5.000	1330.00	701.43	.76	-.08	316.36	52.00
*	5.000	1510.00	702.06	.63	-.05	346.93	52.00
*	5.000	1990.00	703.91	1.85	.00	378.00	52.00
*	6.000	589.00	698.74	.00	1.15	308.72	100.00
*	6.000	794.00	699.72	.98	1.00	349.41	100.00
*	6.000	945.00	700.56	.85	.52	352.00	100.00
*	6.000	1160.00	701.11	.55	.44	352.00	100.00
*	6.000	1330.00	701.72	.61	.30	352.00	100.00
*	6.000	1510.00	702.28	.56	.22	352.00	100.00
*	6.000	1990.00	704.01	1.73	.10	352.00	100.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
7.000	589.00	698.96	.00	.23	.00	342.95	100.00
7.000	794.00	699.82	.85	.10	.00	350.27	100.00
7.000	945.00	700.62	.80	.06	.00	356.41	100.00
7.000	1160.00	701.17	.55	.05	.00	360.59	100.00
7.000	1330.00	701.77	.60	.04	.00	368.23	100.00
7.000	1510.00	702.32	.55	.04	.00	383.20	100.00
7.000	1990.00	704.04	1.72	.03	.00	427.55	100.00
8.000	589.00	699.10	.00	.14	.00	355.39	100.00
8.000	794.00	699.90	.80	.08	.00	389.60	100.00
8.000	945.00	700.67	.77	.05	.00	412.69	100.00
8.000	1160.00	701.21	.54	.05	.00	423.32	100.00
8.000	1330.00	701.81	.59	.04	.00	434.11	100.00
8.000	1510.00	702.36	.55	.04	.00	443.05	100.00
8.000	1990.00	704.06	1.71	.03	.00	465.98	100.00
9.000	589.00	699.26	.00	.15	.00	338.38	98.00
9.000	794.00	699.98	.73	.08	.00	392.27	98.00
9.000	945.00	700.72	.74	.05	.00	424.75	98.00

	9.000	1160.00	701.26	.54	.04	.00	444.71	98.00
	9.000	1330.00	701.84	.59	.04	.00	464.34	98.00
	9.000	1510.00	702.39	.54	.03	.00	483.47	98.00
	9.000	1990.00	704.08	1.69	.02	.00	499.06	98.00
*	9.500	589.00	699.49	.00	.23	.00	810.07	289.00
*	9.500	794.00	700.15	.66	.17	.00	852.43	289.00
*	9.500	945.00	700.83	.68	.11	.00	899.31	289.00
*	9.500	1160.00	701.36	.53	.10	.00	941.40	289.00
*	9.500	1330.00	701.93	.57	.08	.00	987.07	289.00
*	9.500	1510.00	702.46	.53	.07	.00	1029.41	289.00
*	9.500	1990.00	704.13	1.67	.05	.00	1075.02	289.00
*	9.600	589.00	699.53	.00	.04	.00	592.41	240.00
*	9.600	794.00	700.18	.65	.03	.00	691.92	240.00
*	9.600	945.00	700.85	.67	.02	.00	757.67	240.00
*	9.600	1160.00	701.38	.53	.02	.00	802.63	240.00
*	9.600	1330.00	701.94	.56	.02	.00	849.31	240.00
*	9.600	1510.00	702.47	.53	.01	.00	884.62	240.00
*	9.600	1990.00	704.14	1.66	.01	.00	1003.71	240.00
*	10.000	589.00	699.65	.00	.12	.00	803.27	255.00
*	10.000	794.00	700.27	.62	.09	.00	871.91	255.00
*	10.000	945.00	700.91	.64	.06	.00	938.69	255.00
*	10.000	1160.00	701.43	.52	.05	.00	988.50	255.00
*	10.000	1330.00	701.98	.55	.04	.00	1041.03	255.00
*	10.000	1510.00	702.51	.53	.03	.00	1091.39	255.00
*	10.000	1990.00	704.16	1.65	.02	.00	1245.70	255.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	10.500	589.00	699.68	.00	.03	.00	639.36	237.00
*	10.500	794.00	700.30	.62	.03	.00	723.88	237.00
	10.500	945.00	700.93	.63	.02	.00	781.22	237.00
	10.500	1160.00	701.45	.52	.02	.00	810.50	237.00
	10.500	1330.00	702.00	.55	.02	.00	837.68	237.00
	10.500	1510.00	702.52	.52	.01	.00	862.90	237.00
	10.500	1990.00	704.16	1.64	.01	.00	935.81	237.00
*	11.000	589.00	699.72	.00	.04	.00	531.33	210.00
*	11.000	794.00	700.34	.62	.04	.00	695.65	210.00
*	11.000	945.00	700.96	.62	.03	.00	726.56	210.00
*	11.000	1160.00	701.48	.52	.03	.00	751.98	210.00
*	11.000	1330.00	702.02	.54	.03	.00	778.47	210.00
*	11.000	1510.00	702.54	.52	.02	.00	794.64	210.00
*	11.000	1990.00	704.18	1.63	.01	.00	914.96	210.00
*	11.500	589.00	700.07	.00	.34	.00	622.00	252.00
	11.500	794.00	700.56	.50	.22	.00	660.12	252.00
	11.500	945.00	701.09	.52	.12	.00	724.99	252.00
	11.500	1160.00	701.58	.49	.10	.00	772.78	252.00
	11.500	1330.00	702.09	.52	.07	.00	825.61	252.00
	11.500	1510.00	702.60	.51	.06	.00	856.74	252.00
	11.500	1990.00	704.21	1.61	.03	.00	932.63	252.00
	12.000	589.00	700.19	.00	.13	.00	620.25	249.00
	12.000	794.00	700.68	.48	.11	.00	700.64	249.00
	12.000	945.00	701.17	.49	.08	.00	743.04	249.00
	12.000	1160.00	701.65	.48	.07	.00	785.04	249.00
	12.000	1330.00	702.15	.50	.05	.00	828.62	249.00
	12.000	1510.00	702.64	.50	.04	.00	869.08	249.00
	12.000	1990.00	704.23	1.59	.02	.00	936.33	249.00
	13.000	589.00	700.26	.00	.07	.00	621.27	66.00
	13.000	794.00	700.74	.48	.06	.00	654.69	66.00
	13.000	945.00	701.21	.47	.04	.00	687.96	66.00
	13.000	1160.00	701.68	.47	.03	.00	723.43	66.00
	13.000	1330.00	702.17	.49	.02	.00	758.61	66.00
	13.000	1510.00	702.66	.49	.02	.00	790.62	66.00
	13.000	1990.00	704.24	1.57	.01	.00	893.28	66.00
*	13.500	589.00	700.26	.00	.00	.00	621.27	6.00
*	13.500	794.00	700.74	.48	.00	.00	654.69	6.00
*	13.500	945.00	701.22	.48	.01	.00	689.09	6.00
*	13.500	1160.00	701.69	.47	.01	.00	724.48	6.00
	13.500	1330.00	702.17	.48	.00	.00	759.66	6.00
	13.500	1510.00	702.66	.49	.00	.00	791.49	6.00
	13.500	1990.00	704.24	1.57	.00	.00	893.83	6.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
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*	14.000	589.00	700.29	.00	.03	.00	603.19	50.00
*	14.000	794.00	700.75	.46	.01	.00	637.57	50.00
	14.000	945.00	701.22	.47	.00	.00	669.34	50.00
	14.000	1160.00	701.69	.47	.00	.00	704.52	50.00
*	14.000	1330.00	702.17	.47	.01	.00	739.69	50.00
	14.000	1510.00	702.66	.49	.00	.00	783.73	50.00
	14.000	1990.00	704.24	1.58	.00	.00	890.22	50.00
*	14.500	589.00	700.56	.00	.27	.00	657.71	196.00
*	14.500	794.00	701.01	.45	.26	.00	674.54	196.00
*	14.500	945.00	701.41	.40	.19	.00	697.54	196.00
*	14.500	1160.00	701.85	.44	.15	.00	726.14	196.00
	14.500	1330.00	702.28	.43	.11	.00	747.24	196.00
	14.500	1510.00	702.75	.47	.09	.00	785.15	196.00
	14.500	1990.00	704.28	1.53	.04	.00	854.74	196.00
	15.000	589.00	700.62	.00	.06	.00	605.64	169.00
	15.000	794.00	701.07	.45	.06	.00	639.63	169.00
	15.000	945.00	701.46	.39	.05	.00	669.27	169.00
	15.000	1160.00	701.89	.43	.04	.00	702.15	169.00
	15.000	1330.00	702.32	.43	.04	.00	735.38	169.00
	15.000	1510.00	702.78	.46	.03	.00	769.33	169.00
	15.000	1990.00	704.30	1.52	.02	.00	877.59	169.00
	15.500	589.00	700.69	.00	.07	.00	508.17	247.00
	15.500	794.00	701.14	.45	.07	.00	528.12	247.00
	15.500	945.00	701.52	.38	.06	.00	549.73	247.00
	15.500	1160.00	701.95	.43	.06	.00	580.29	247.00
	15.500	1330.00	702.37	.42	.05	.00	642.05	247.00
	15.500	1510.00	702.83	.45	.05	.00	708.86	247.00
	15.500	1990.00	704.32	1.50	.03	.00	849.67	247.00
	16.000	589.00	700.84	.00	.15	.00	550.54	236.00
	16.000	794.00	701.29	.44	.15	.00	589.72	236.00
	16.000	945.00	701.65	.37	.13	.00	622.11	236.00
	16.000	1160.00	702.07	.42	.12	.00	659.41	236.00
	16.000	1330.00	702.48	.40	.11	.00	695.11	236.00
	16.000	1510.00	702.91	.44	.09	.00	732.46	236.00
	16.000	1990.00	704.37	1.46	.05	.00	854.03	236.00
*	16.500	589.00	701.09	.00	.24	.00	579.13	252.00
*	16.500	794.00	701.50	.42	.22	.00	643.87	252.00
*	16.500	945.00	701.84	.33	.18	.00	690.15	252.00
*	16.500	1160.00	702.24	.40	.16	.00	723.52	252.00
*	16.500	1330.00	702.61	.38	.13	.00	750.30	252.00
	16.500	1510.00	703.02	.41	.11	.00	797.22	252.00
	16.500	1990.00	704.42	1.40	.05	.00	931.20	252.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	17.000	589.00	701.48	.00	.40	.00	602.81	245.00
*	17.000	794.00	701.87	.39	.37	.00	649.79	245.00
*	17.000	945.00	702.15	.27	.31	.00	682.62	245.00
*	17.000	1160.00	702.49	.35	.26	.00	724.45	245.00
	17.000	1330.00	702.82	.32	.21	.00	769.25	245.00
	17.000	1510.00	703.19	.37	.16	.00	823.39	245.00
	17.000	1990.00	704.50	1.31	.07	.00	1015.02	245.00
	17.500	589.00	701.65	.00	.17	.00	692.28	256.00
	17.500	794.00	702.04	.39	.17	.00	756.58	256.00
	17.500	945.00	702.31	.27	.16	.00	781.51	256.00
	17.500	1160.00	702.65	.34	.16	.00	809.98	256.00
	17.500	1330.00	702.96	.31	.14	.00	834.94	256.00
	17.500	1510.00	703.31	.35	.12	.00	863.14	256.00
	17.500	1990.00	704.56	1.25	.06	.00	983.47	256.00
*	18.000	589.00	701.76	.00	.10	.00	518.21	249.00
*	18.000	794.00	702.14	.39	.10	.00	527.63	249.00
*	18.000	945.00	702.41	.26	.10	.00	528.43	249.00
*	18.000	1160.00	702.75	.34	.09	.00	813.77	249.00
*	18.000	1330.00	703.04	.30	.08	.00	831.61	249.00
*	18.000	1510.00	703.38	.34	.07	.00	851.82	249.00
*	18.000	1990.00	704.60	1.22	.04	.00	924.91	249.00
	19.000	589.00	701.80	.00	.04	.00	598.76	300.00
	19.000	794.00	702.20	.39	.05	.00	648.66	300.00
	19.000	945.00	702.46	.27	.06	.00	670.06	300.00
	19.000	1160.00	702.81	.34	.06	.00	686.35	300.00
	19.000	1330.00	703.10	.30	.06	.00	699.87	300.00
	19.000	1510.00	703.44	.33	.06	.00	714.70	300.00
	19.000	1990.00	704.64	1.20	.04	.00	762.89	300.00
	19.500	589.00	701.88	.00	.08	.00	523.32	253.00

19.500	794.00	702.28	.40	.09	.00	549.60	253.00
19.500	945.00	702.55	.27	.09	.00	566.43	253.00
19.500	1160.00	702.89	.34	.09	.00	583.98	253.00
19.500	1330.00	703.19	.29	.08	.00	594.79	253.00
19.500	1510.00	703.51	.33	.08	.00	603.68	253.00
19.500	1990.00	704.68	1.17	.05	.00	634.00	253.00
20.000	589.00	701.97	.00	.08	.00	471.58	260.00
20.000	794.00	702.37	.40	.09	.00	476.02	260.00
20.000	945.00	702.64	.27	.09	.00	478.99	260.00
20.000	1160.00	702.99	.34	.09	.00	482.76	260.00
20.000	1330.00	703.27	.29	.09	.00	485.93	260.00
20.000	1510.00	703.60	.32	.08	.00	489.46	260.00
20.000	1990.00	704.74	1.14	.06	.00	503.61	260.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
21.000	589.00	702.00	.00	.03	.00	382.51	98.00	
21.000	794.00	702.40	.41	.03	.00	386.61	98.00	
21.000	945.00	702.67	.27	.03	.00	389.35	98.00	
21.000	1160.00	703.02	.34	.03	.00	392.83	98.00	
21.000	1330.00	703.31	.29	.03	.00	395.74	98.00	
21.000	1510.00	703.63	.32	.03	.00	398.97	98.00	
21.000	1990.00	704.76	1.13	.02	.00	410.31	98.00	
22.000	589.00	702.04	.00	.04	.00	288.03	98.00	
22.000	794.00	702.44	.41	.04	.00	294.51	98.00	
22.000	945.00	702.71	.27	.04	.00	298.94	98.00	
22.000	1160.00	703.06	.35	.04	.00	304.67	98.00	
22.000	1330.00	703.35	.29	.04	.00	309.42	98.00	
22.000	1510.00	703.66	.32	.04	.00	314.68	98.00	
22.000	1990.00	704.78	1.12	.02	.00	333.18	98.00	
*	23.000	589.00	702.07	.00	.03	.00	195.97	98.00
*	23.000	794.00	702.47	.41	.03	.00	202.46	98.00
*	23.000	945.00	702.74	.27	.03	.00	206.89	98.00
*	23.000	1160.00	703.09	.34	.03	.00	211.05	98.00
*	23.000	1330.00	703.37	.28	.03	.00	214.46	98.00
*	23.000	1510.00	703.69	.31	.02	.00	218.23	98.00
*	23.000	1990.00	704.79	1.11	.01	.00	233.18	98.00
*	24.000	589.00	702.29	.00	.22	.00	123.85	105.00
*	24.000	794.00	702.74	.45	.27	.00	123.86	105.00
*	24.000	945.00	703.03	.29	.29	.00	123.87	105.00
*	24.000	1160.00	703.40	.37	.31	.00	123.88	105.00
*	24.000	1330.00	703.69	.29	.31	.00	123.89	105.00
*	24.000	1510.00	704.00	.31	.31	.00	123.90	105.00
*	24.000	1990.00	705.02	1.03	.23	.00	123.92	105.00
25.000	589.00	702.29	.00	.00	.00	123.85	112.50	
25.000	794.00	702.74	.45	.00	.00	123.86	112.50	
25.000	945.00	703.03	.29	.00	.00	123.87	112.50	
25.000	1160.00	703.40	.37	.00	.00	123.88	112.50	
25.000	1330.00	703.69	.29	.00	.00	123.89	112.50	
25.000	1510.00	704.00	.31	.00	.00	123.90	112.50	
25.000	1990.00	705.10	1.10	.08	.00	123.93	112.50	
*	26.000	589.00	702.27	.00	-.02	.00	155.00	62.00
*	26.000	794.00	702.72	.44	-.02	.00	155.00	62.00
*	26.000	945.00	703.00	.29	-.03	.00	155.00	62.00
*	26.000	1160.00	703.36	.36	-.04	.00	155.00	62.00
*	26.000	1330.00	703.65	.28	-.04	.00	155.00	62.00
*	26.000	1510.00	703.95	.30	-.05	.00	155.00	62.00
*	26.000	1990.00	705.05	1.10	-.05	.00	155.00	62.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
27.000	589.00	702.36	.00	.09	.00	365.00	100.00	
27.000	794.00	702.84	.48	.13	.00	365.00	100.00	
27.000	945.00	703.16	.32	.16	.00	365.00	100.00	
27.000	1160.00	703.57	.40	.20	.00	365.00	100.00	
27.000	1330.00	703.88	.32	.23	.00	365.00	100.00	
27.000	1510.00	704.21	.33	.26	.00	365.00	100.00	
*	27.000	1990.00	705.34	1.13	.29	.00	365.00	100.00
28.000	589.00	702.43	.00	.07	.00	515.28	101.00	
28.000	794.00	702.92	.49	.08	.00	532.00	101.00	
28.000	945.00	703.24	.32	.08	.00	532.00	101.00	
28.000	1160.00	703.65	.41	.09	.00	532.00	101.00	
28.000	1330.00	703.97	.32	.09	.00	532.00	101.00	

28.000	1510.00	704.31	.33	.09	.00	532.00	101.00
28.000	1990.00	705.42	1.11	.08	.00	532.00	101.00
29.000	589.00	702.48	.00	.04	.00	598.13	101.00
29.000	794.00	702.97	.49	.04	.00	614.33	101.00
29.000	945.00	703.29	.32	.04	.00	624.68	101.00
29.000	1160.00	703.70	.41	.04	.00	638.02	101.00
29.000	1330.00	704.01	.32	.04	.00	648.35	101.00
29.000	1510.00	704.35	.33	.04	.00	670.86	101.00
29.000	1990.00	705.45	1.11	.03	.00	770.54	101.00
30.000	589.00	702.51	.00	.03	.00	656.10	100.00
30.000	794.00	703.00	.49	.03	.00	669.20	100.00
30.000	945.00	703.32	.32	.03	.00	678.02	100.00
30.000	1160.00	703.73	.41	.03	.00	689.71	100.00
30.000	1330.00	704.04	.32	.03	.00	698.75	100.00
30.000	1510.00	704.38	.33	.03	.00	706.80	100.00
30.000	1990.00	705.48	1.10	.02	.00	766.55	100.00
31.000	589.00	702.53	.00	.03	.00	649.02	100.00
31.000	794.00	703.02	.49	.02	.00	677.20	100.00
31.000	945.00	703.34	.32	.02	.00	694.11	100.00
31.000	1160.00	703.75	.41	.02	.00	715.76	100.00
31.000	1330.00	704.07	.32	.02	.00	730.32	100.00
31.000	1510.00	704.40	.33	.02	.00	736.96	100.00
31.000	1990.00	705.49	1.10	.02	.00	773.19	100.00
31.500	589.00	702.58	.00	.05	.00	662.02	155.00
31.500	794.00	703.06	.48	.04	.00	676.33	155.00
31.500	945.00	703.38	.32	.04	.00	683.01	155.00
31.500	1160.00	703.79	.41	.04	.00	691.59	155.00
31.500	1330.00	704.10	.31	.04	.00	699.84	155.00
31.500	1510.00	704.43	.33	.03	.00	710.32	155.00
31.500	1990.00	705.52	1.09	.03	.00	777.36	155.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
32.000	589.00	702.62	.00	.04	.00	534.77	156.00
32.000	794.00	703.10	.48	.04	.00	560.38	156.00
32.000	945.00	703.42	.32	.04	.00	577.19	156.00
32.000	1160.00	703.82	.41	.04	.00	598.79	156.00
32.000	1330.00	704.14	.31	.03	.00	615.46	156.00
32.000	1510.00	704.47	.33	.03	.00	632.96	156.00
32.000	1990.00	705.54	1.08	.02	.00	682.50	156.00
33.000	589.00	702.67	.00	.05	.00	477.08	190.00
33.000	794.00	703.15	.48	.05	.00	491.24	190.00
33.000	945.00	703.47	.32	.05	.00	500.66	190.00
33.000	1160.00	703.88	.41	.05	.00	517.75	190.00
33.000	1330.00	704.19	.31	.05	.00	536.75	190.00
33.000	1510.00	704.52	.33	.05	.00	550.09	190.00
33.000	1990.00	705.58	1.07	.04	.00	576.66	190.00
33.500	589.00	702.75	.00	.08	.00	329.22	228.00
33.500	794.00	703.24	.48	.08	.00	335.41	228.00
33.500	945.00	703.55	.32	.08	.00	340.27	228.00
33.500	1160.00	703.96	.41	.08	.00	348.32	228.00
33.500	1330.00	704.27	.31	.08	.00	354.48	228.00
33.500	1510.00	704.59	.32	.08	.00	362.17	228.00
33.500	1990.00	705.64	1.05	.06	.00	395.44	228.00
34.000	589.00	702.82	.00	.07	.00	263.23	160.00
34.000	794.00	703.31	.48	.07	.00	268.12	160.00
34.000	945.00	703.62	.32	.07	.00	271.32	160.00
34.000	1160.00	704.03	.41	.07	.00	275.44	160.00
34.000	1330.00	704.34	.31	.07	.00	278.58	160.00
34.000	1510.00	704.66	.32	.07	.00	282.28	160.00
34.000	1990.00	705.70	1.03	.06	.00	294.30	160.00
35.000	589.00	702.87	.00	.05	.00	187.86	100.00
35.000	794.00	703.36	.49	.05	.00	195.63	100.00
35.000	945.00	703.67	.32	.05	.00	201.27	100.00
35.000	1160.00	704.08	.41	.05	.00	208.42	100.00
35.000	1330.00	704.39	.31	.05	.00	213.91	100.00
35.000	1510.00	704.71	.32	.04	.00	226.93	100.00
35.000	1990.00	705.73	1.02	.03	.00	246.38	100.00
36.000	589.00	702.93	.00	.06	.00	76.00	96.00
36.000	794.00	703.42	.49	.07	.00	76.00	96.00
36.000	945.00	703.74	.32	.06	.00	76.00	96.00
36.000	1160.00	704.14	.40	.06	.00	76.00	96.00
36.000	1330.00	704.44	.30	.05	.00	76.00	96.00
36.000	1510.00	704.75	.31	.05	.00	76.00	96.00
36.000	1990.00	705.73	.98	.00	.00	76.00	96.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
37.000	589.00	702.93	.00	.00	.00	32.00	49.00	
37.000	794.00	703.41	.47	-.02	.00	32.00	49.00	
37.000	945.00	703.71	.30	-.03	.00	32.00	49.00	
37.000	1160.00	704.08	.38	-.06	.00	32.00	49.00	
37.000	1330.00	704.36	.28	-.08	.00	32.00	49.00	
37.000	1510.00	704.65	.28	-.11	.00	32.00	49.00	
37.000	1990.00	705.54	.90	-.19	.00	32.00	49.00	
38.000	589.00	702.96	.00	.03	.00	32.00	39.00	
38.000	794.00	703.45	.49	.04	.00	32.00	39.00	
38.000	945.00	703.76	.31	.05	.00	32.00	39.00	
38.000	1160.00	704.15	.39	.07	.00	32.00	39.00	
38.000	1330.00	704.44	.29	.08	.00	32.00	39.00	
38.000	1510.00	704.74	.30	.09	.00	32.00	39.00	
38.000	1990.00	705.66	.92	.12	.00	32.00	39.00	
*	39.000	589.00	703.15	.00	.19	.00	85.00	59.00
*	39.000	794.00	703.74	.59	.29	.00	85.00	59.00
*	39.000	945.00	704.14	.39	.38	.00	85.00	59.00
*	39.000	1160.00	704.66	.52	.51	.00	85.00	59.00
*	39.000	1330.00	705.06	.40	.62	.00	85.00	59.00
*	39.000	1510.00	705.48	.42	.73	.00	85.00	59.00
*	39.000	1990.00	706.67	1.20	1.01	.00	85.00	59.00
39.300	589.00	703.15	.00	-.01	.00	108.00	47.00	
39.300	794.00	703.73	.59	-.01	.00	108.00	47.00	
39.300	945.00	704.13	.39	-.01	.00	108.00	47.00	
39.300	1160.00	704.65	.52	-.01	.00	108.00	47.00	
39.300	1330.00	705.04	.40	-.02	.00	108.00	47.00	
39.300	1510.00	705.46	.41	-.02	.00	108.00	47.00	
39.300	1990.00	706.66	1.20	-.02	.00	108.00	47.00	
39.600	589.00	703.14	.00	.00	.00	118.00	8.00	
39.600	794.00	703.72	.58	-.01	.00	118.00	8.00	
39.600	945.00	704.11	.39	-.02	.00	118.00	8.00	
39.600	1160.00	704.62	.51	-.03	.00	118.00	8.00	
*	39.600	1330.00	705.01	.40	-.03	.00	118.00	8.00
*	39.600	1510.00	705.42	.41	-.04	.00	118.00	8.00
*	39.600	1990.00	706.64	1.22	-.01	.00	118.00	8.00
40.000	589.00	703.29	.00	.14	.00	217.23	215.00	
40.000	794.00	703.94	.65	.22	.00	260.00	215.00	
40.000	945.00	704.39	.45	.28	.00	260.00	215.00	
40.000	1160.00	704.98	.59	.36	.00	260.00	215.00	
*	40.000	1330.00	705.49	.51	.47	.00	260.00	215.00
*	40.000	1510.00	705.98	.49	.56	.00	260.00	215.00
*	40.000	1990.00	707.14	1.16	.50	.00	260.00	215.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
40.500	589.00	703.47	.00	.19	.00	83.93	182.00	
40.500	794.00	704.09	.62	.15	.00	86.69	182.00	
40.500	945.00	704.52	.42	.13	.00	88.66	182.00	
40.500	1160.00	705.07	.56	.09	.00	130.00	182.00	
*	40.500	1330.00	705.55	.48	.07	.00	130.00	182.00
*	40.500	1510.00	706.03	.47	.05	.00	130.00	182.00
*	40.500	1990.00	707.16	1.13	.02	.00	130.00	182.00
*	41.000	565.00	703.70	.00	.23	.00	107.39	105.00
*	41.000	771.00	704.37	.66	.28	.00	110.42	105.00
*	41.000	923.00	704.81	.44	.30	.00	114.93	105.00
*	41.000	1130.00	705.39	.58	.32	.00	119.80	105.00
*	41.000	1300.00	705.87	.48	.32	.00	119.80	105.00
*	41.000	1480.00	706.34	.47	.32	.00	119.80	105.00
*	41.000	1950.00	707.48	1.14	.32	.00	119.80	105.00
42.000	565.00	703.70	.00	.00	.00	107.39	91.00	
42.000	771.00	704.37	.66	.00	.00	110.42	91.00	
42.000	923.00	704.81	.45	.00	.00	114.93	91.00	
42.000	1130.00	705.40	.58	.00	.00	119.80	91.00	
42.000	1300.00	705.87	.48	.00	.00	119.80	91.00	
42.000	1480.00	706.35	.47	.00	.00	119.80	91.00	
42.000	1950.00	707.48	1.14	.00	.00	119.80	91.00	
*	43.000	565.00	703.67	.00	-.03	.00	184.08	94.00
*	43.000	771.00	704.34	.67	-.03	.00	218.27	94.00
*	43.000	923.00	704.79	.45	-.03	.00	220.00	94.00

*	43.000	1130.00	705.37	.59	-.02	.00	220.00	94.00
*	43.000	1300.00	705.86	.48	-.02	.00	220.00	94.00
*	43.000	1480.00	706.33	.48	-.01	.00	220.00	94.00
*	43.000	1950.00	707.47	1.14	-.01	.00	220.00	94.00
	44.000	565.00	703.71	.00	.03	.00	240.90	62.00
	44.000	771.00	704.38	.67	.04	.00	263.46	62.00
	44.000	923.00	704.83	.46	.05	.00	284.87	62.00
	44.000	1130.00	705.43	.59	.05	.00	320.00	62.00
	44.000	1300.00	705.92	.49	.06	.00	320.00	62.00
	44.000	1480.00	706.40	.48	.06	.00	320.00	62.00
	44.000	1950.00	707.55	1.15	.07	.00	320.00	62.00
	45.000	565.00	703.74	.00	.03	.00	166.04	57.00
	45.000	771.00	704.40	.66	.02	.00	205.12	57.00
	45.000	923.00	704.85	.45	.02	.00	293.22	57.00
	45.000	1130.00	705.44	.59	.01	.00	309.76	57.00
	45.000	1300.00	705.92	.48	.01	.00	323.33	57.00
	45.000	1480.00	706.40	.48	.01	.00	336.71	57.00
	45.000	1950.00	707.55	1.15	.00	.00	414.93	57.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	46.000	565.00	703.82	.00	.08	.00	163.49	123.00
	46.000	771.00	704.49	.67	.09	.00	294.41	123.00
	46.000	923.00	704.94	.45	.09	.00	395.03	123.00
	46.000	1130.00	705.52	.58	.08	.00	469.20	123.00
	46.000	1300.00	706.01	.49	.09	.00	539.36	123.00
	46.000	1480.00	706.49	.48	.09	.00	612.26	123.00
	46.000	1950.00	707.65	1.16	.10	.00	725.41	123.00
	46.500	565.00	703.97	.00	.14	.00	80.65	187.00
	46.500	771.00	704.63	.67	.15	.00	457.78	187.00
	46.500	923.00	705.08	.45	.14	.00	597.46	187.00
	46.500	1130.00	705.66	.58	.14	.00	645.15	187.00
	46.500	1300.00	706.13	.47	.12	.00	675.66	187.00
	46.500	1480.00	706.60	.47	.10	.00	720.42	187.00
	46.500	1950.00	707.72	1.12	.07	.00	780.86	187.00
*	47.000	565.00	704.18	.00	.22	.00	579.62	192.00
*	47.000	771.00	704.86	.68	.23	.00	738.20	192.00
*	47.000	923.00	705.28	.42	.20	.00	782.96	192.00
*	47.000	1130.00	705.81	.53	.15	.00	839.68	192.00
*	47.000	1300.00	706.25	.44	.12	.00	886.77	192.00
*	47.000	1480.00	706.70	.44	.10	.00	930.38	192.00
*	47.000	1950.00	707.78	1.09	.06	.00	1010.72	192.00
	47.500	565.00	704.26	.00	.07	.00	328.53	244.00
	47.500	771.00	704.92	.66	.06	.00	512.71	244.00
*	47.500	923.00	705.33	.41	.05	.00	584.23	244.00
*	47.500	1130.00	705.85	.52	.04	.00	616.34	244.00
*	47.500	1300.00	706.29	.43	.03	.00	635.17	244.00
	47.500	1480.00	706.73	.44	.03	.00	651.40	244.00
	47.500	1950.00	707.81	1.08	.02	.00	722.53	244.00
	48.000	565.00	704.40	.00	.14	.00	88.16	256.00
	48.000	771.00	705.03	.63	.11	.00	457.35	256.00
	48.000	923.00	705.43	.40	.10	.00	503.42	256.00
	48.000	1130.00	705.93	.51	.08	.00	561.95	256.00
	48.000	1300.00	706.36	.42	.07	.00	611.18	256.00
	48.000	1480.00	706.79	.43	.06	.00	665.40	256.00
	48.000	1950.00	707.85	1.07	.05	.00	813.55	256.00
	48.500	565.00	704.60	.00	.20	.00	343.88	251.00
	48.500	771.00	705.25	.66	.22	.00	473.35	251.00
	48.500	923.00	705.64	.38	.21	.00	554.55	251.00
	48.500	1130.00	706.12	.48	.19	.00	653.36	251.00
	48.500	1300.00	706.52	.40	.16	.00	703.16	251.00
	48.500	1480.00	706.93	.41	.14	.00	781.30	251.00
	48.500	1950.00	707.95	1.02	.10	.00	879.36	251.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	49.000	565.00	704.74	.00	.14	.00	293.15	247.00
*	49.000	771.00	705.36	.62	.11	.00	429.23	247.00
*	49.000	923.00	705.74	.38	.10	.00	512.61	247.00
	49.000	1130.00	706.21	.47	.09	.00	617.61	247.00
	49.000	1300.00	706.60	.39	.08	.00	703.28	247.00
	49.000	1480.00	707.00	.40	.08	.00	733.69	247.00
	49.000	1950.00	708.01	1.00	.06	.00	807.94	247.00

49.500	565.00	705.11	.00	.37	.00	334.72	252.00
49.500	771.00	705.70	.59	.34	.00	398.04	252.00
49.500	923.00	706.04	.34	.30	.00	704.07	252.00
49.500	1130.00	706.48	.43	.26	.00	736.43	252.00
49.500	1300.00	706.83	.35	.22	.00	760.24	252.00
49.500	1480.00	707.18	.36	.18	.00	779.90	252.00
49.500	1950.00	708.12	.94	.11	.00	791.56	252.00
50.000	565.00	705.63	.00	.51	.00	147.81	249.00
50.000	771.00	706.11	.49	.41	.00	182.01	249.00
50.000	923.00	706.40	.29	.36	.00	202.15	249.00
* 50.000	1130.00	706.74	.34	.27	.00	933.54	249.00
* 50.000	1300.00	707.05	.31	.22	.00	962.10	249.00
* 50.000	1480.00	707.38	.33	.19	.00	993.08	249.00
50.000	1950.00	708.25	.87	.13	.00	1074.37	249.00
50.500	565.00	706.14	.00	.51	.00	430.75	226.00
50.500	771.00	706.68	.54	.56	.00	537.81	226.00
* 50.500	923.00	707.00	.32	.60	.00	598.36	226.00
* 50.500	1130.00	707.35	.35	.60	.00	612.63	226.00
50.500	1300.00	707.54	.19	.49	.00	619.76	226.00
50.500	1480.00	707.74	.20	.36	.00	627.24	226.00
50.500	1950.00	708.42	.68	.17	.00	651.46	226.00
51.000	565.00	706.57	.00	.43	.00	40.88	211.00
51.000	771.00	707.01	.44	.34	.00	508.18	211.00
* 51.000	923.00	707.28	.27	.29	.00	561.39	211.00
* 51.000	1130.00	707.60	.32	.26	.00	623.65	211.00
* 51.000	1300.00	707.80	.20	.26	.00	662.03	211.00
* 51.000	1480.00	708.00	.20	.26	.00	703.57	211.00
* 51.000	1950.00	708.63	.63	.21	.00	826.82	211.00
51.500	565.00	707.15	.00	.58	.00	613.23	243.00
* 51.500	771.00	707.64	.49	.62	.00	637.03	243.00
* 51.500	923.00	707.91	.27	.62	.00	647.23	243.00
* 51.500	1130.00	708.21	.30	.61	.00	764.91	243.00
* 51.500	1300.00	708.42	.21	.62	.00	812.41	243.00
* 51.500	1480.00	708.61	.20	.61	.00	835.07	243.00
51.500	1950.00	709.15	.53	.51	.00	896.64	243.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
52.000	565.00	707.50	.00	.35	.00	451.43	250.00
52.000	771.00	707.95	.46	.32	.00	509.31	250.00
52.000	923.00	708.22	.26	.31	.00	542.36	250.00
52.000	1130.00	708.52	.31	.31	.00	580.85	250.00
52.000	1300.00	708.74	.21	.32	.00	658.07	250.00
52.000	1480.00	708.94	.20	.32	.00	691.87	250.00
52.000	1950.00	709.46	.52	.31	.00	778.11	250.00
52.500	565.00	707.82	.00	.32	.00	507.85	254.00
52.500	771.00	708.28	.46	.33	.00	538.34	254.00
52.500	923.00	708.55	.27	.34	.00	558.53	254.00
52.500	1130.00	708.87	.32	.35	.00	580.95	254.00
52.500	1300.00	709.10	.22	.36	.00	593.74	254.00
52.500	1480.00	709.31	.21	.37	.00	629.95	254.00
52.500	1950.00	709.83	.52	.37	.00	701.33	254.00
53.000	565.00	708.12	.00	.30	.00	109.66	249.00
53.000	771.00	708.58	.46	.30	.00	115.62	249.00
* 53.000	923.00	708.85	.27	.29	.00	296.88	249.00
* 53.000	1130.00	709.16	.32	.29	.00	336.12	249.00
* 53.000	1300.00	709.39	.23	.29	.00	363.36	249.00
* 53.000	1480.00	709.61	.22	.30	.00	389.66	249.00
* 53.000	1950.00	710.13	.52	.30	.00	452.37	249.00
* 53.500	565.00	708.47	.00	.35	.00	390.48	183.00
* 53.500	771.00	709.02	.55	.44	.00	410.45	183.00
* 53.500	923.00	709.35	.33	.50	.00	425.00	183.00
* 53.500	1130.00	709.72	.37	.56	.00	443.94	183.00
* 53.500	1300.00	709.99	.27	.60	.00	460.59	183.00
* 53.500	1480.00	710.25	.26	.64	.00	521.31	183.00
* 53.500	1950.00	710.83	.58	.70	.00	661.77	183.00
54.000	565.00	708.62	.00	.15	.00	379.62	184.00
54.000	771.00	709.16	.54	.14	.00	392.74	184.00
54.000	923.00	709.49	.33	.14	.00	405.56	184.00
54.000	1130.00	709.87	.38	.15	.00	415.00	184.00
54.000	1300.00	710.15	.27	.15	.00	462.29	184.00
54.000	1480.00	710.41	.26	.16	.00	544.59	184.00
54.000	1950.00	711.01	.60	.17	.00	740.97	184.00
55.000	565.00	708.68	.00	.06	.00	372.00	72.00

55.000	771.00	709.22	.54	.06	.00	372.00	72.00
55.000	923.00	709.55	.33	.06	.00	372.00	72.00
55.000	1130.00	709.93	.38	.06	.00	372.00	72.00
55.000	1300.00	710.21	.28	.06	.00	425.87	72.00
55.000	1480.00	710.48	.26	.07	.00	436.25	72.00
55.000	1950.00	711.08	.60	.07	.00	796.65	72.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 56.000	570.00	708.67	.00	-.02	.00	211.20	63.00
* 56.000	800.00	709.18	.52	-.04	.00	212.75	63.00
* 56.000	965.00	709.51	.32	-.05	.00	213.72	63.00
* 56.000	1190.00	709.88	.37	-.05	.00	214.84	63.00
* 56.000	1360.00	710.15	.27	-.06	.00	215.66	63.00
* 56.000	1550.00	710.41	.26	-.06	.00	353.84	63.00
56.000	2010.00	711.03	.61	-.05	.00	722.28	63.00
* 57.000	570.00	708.94	.00	.27	.00	43.00	50.00
* 57.000	800.00	709.43	.49	.25	.00	43.00	50.00
* 57.000	965.00	709.71	.28	.20	.00	43.00	50.00
* 57.000	1190.00	710.01	.30	.13	.00	43.00	50.00
* 57.000	1360.00	710.45	.44	.30	.00	332.55	50.00
* 57.000	1550.00	710.71	.26	.30	.00	343.37	50.00
* 57.000	2010.00	711.40	.69	.37	.00	559.40	50.00
58.000	570.00	709.14	.00	.21	.00	43.00	80.00
58.000	800.00	709.88	.74	.45	.00	43.00	80.00
* 58.000	965.00	710.45	.56	.74	.00	332.35	80.00
* 58.000	1190.00	710.93	.48	.91	.00	352.24	80.00
* 58.000	1360.00	711.31	.38	.85	.00	554.54	80.00
* 58.000	1550.00	711.51	.20	.80	.00	564.73	80.00
58.000	2010.00	711.89	.38	.49	.00	583.73	80.00
* 59.000	570.00	709.41	.00	.26	.00	99.73	780.00
* 59.000	800.00	710.24	.83	.36	.00	106.43	780.00
59.000	965.00	710.76	.52	.31	.00	153.06	780.00
59.000	1190.00	711.26	.50	.34	.00	167.25	780.00
59.000	1360.00	711.54	.28	.23	.00	168.40	780.00
59.000	1550.00	711.76	.22	.25	.00	169.34	780.00
59.000	2010.00	712.20	.44	.31	.00	171.15	780.00
59.300	570.00	709.41	.00	.00	.00	99.74	130.00
59.300	800.00	710.24	.83	.00	.00	106.97	130.00
59.300	965.00	710.76	.52	.00	.00	153.08	130.00
59.300	1190.00	711.26	.50	.00	.00	167.26	130.00
59.300	1360.00	711.54	.28	.00	.00	168.41	130.00
59.300	1550.00	711.77	.23	.00	.00	169.35	130.00
59.300	2010.00	712.20	.44	.00	.00	171.17	130.00
59.600	570.00	709.43	.00	.02	.00	108.21	98.00
59.600	800.00	710.27	.84	.02	.00	113.62	98.00
* 59.600	965.00	710.79	.52	.03	.00	275.00	98.00
* 59.600	1190.00	711.29	.51	.03	.00	275.00	98.00
* 59.600	1360.00	711.57	.28	.03	.00	275.00	98.00
* 59.600	1550.00	711.80	.23	.04	.00	275.00	98.00
* 59.600	2010.00	712.26	.46	.06	.00	275.00	98.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
60.000	570.00	709.45	.00	.02	.00	108.40	114.00
60.000	800.00	710.31	.86	.04	.00	114.39	114.00
60.000	965.00	710.86	.55	.07	.00	1030.47	114.00
60.000	1190.00	711.43	.57	.13	.00	1077.95	114.00
60.000	1360.00	711.76	.33	.19	.00	1106.53	114.00
* 60.000	1550.00	712.06	.30	.25	.00	1131.19	114.00
* 60.000	2010.00	712.68	.63	.42	.00	1180.88	114.00
* 61.000	570.00	709.45	.00	.01	.00	385.00	29.00
61.000	800.00	710.33	.88	.02	.00	385.00	29.00
61.000	965.00	710.89	.55	.03	.00	385.00	29.00
61.000	1190.00	711.44	.56	.02	.00	385.00	29.00
61.000	1360.00	711.77	.33	.01	.00	385.00	29.00
61.000	1550.00	712.06	.29	.00	.00	385.00	29.00
61.000	2010.00	712.68	.62	.00	.00	385.00	29.00
62.000	570.00	709.47	.00	.01	.00	507.00	56.00
62.000	800.00	710.34	.87	.01	.00	507.00	56.00
62.000	965.00	710.89	.55	.01	.00	507.00	56.00
62.000	1190.00	711.45	.56	.01	.00	507.00	56.00
62.000	1360.00	711.78	.33	.01	.00	507.00	56.00

62.000	1550.00	712.07	.29	.01	.00	507.00	56.00
62.000	2010.00	712.69	.62	.01	.00	507.00	56.00
63.000	570.00	709.49	.00	.03	.00	600.00	145.00
63.000	800.00	710.35	.86	.01	.00	600.00	145.00
63.000	965.00	710.90	.55	.01	.00	600.00	145.00
63.000	1190.00	711.46	.56	.01	.00	600.00	145.00
63.000	1360.00	711.79	.33	.01	.00	600.00	145.00
63.000	1550.00	712.08	.29	.01	.00	600.00	145.00
63.000	2010.00	712.71	.63	.01	.00	600.00	145.00
* 64.000	570.00	709.52	.00	.03	.00	765.00	182.00
* 64.000	800.00	710.37	.85	.01	.00	765.00	182.00
* 64.000	965.00	710.91	.55	.01	.00	765.00	182.00
* 64.000	1190.00	711.47	.55	.01	.00	765.00	182.00
* 64.000	1360.00	711.79	.33	.01	.00	765.00	182.00
* 64.000	1550.00	712.09	.29	.01	.00	765.00	182.00
* 64.000	2010.00	712.71	.63	.01	.00	765.00	182.00
65.000	570.00	709.55	.00	.03	.00	820.00	85.00
65.000	800.00	710.38	.83	.02	.00	820.00	85.00
65.000	965.00	710.93	.54	.01	.00	820.00	85.00
65.000	1190.00	711.48	.55	.01	.00	820.00	85.00
65.000	1360.00	711.81	.33	.01	.00	820.00	85.00
65.000	1550.00	712.10	.29	.01	.00	820.00	85.00
65.000	2010.00	712.73	.63	.01	.00	820.00	85.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
66.000	570.00	709.61	.00	.06	.00	839.24	178.00
66.000	800.00	710.41	.80	.03	.00	987.68	178.00
66.000	965.00	710.95	.54	.02	.00	1058.17	178.00
66.000	1190.00	711.50	.55	.02	.00	1107.78	178.00
66.000	1360.00	711.82	.33	.02	.00	1135.43	178.00
66.000	1550.00	712.12	.29	.02	.00	1158.97	178.00
66.000	2010.00	712.75	.63	.02	.00	1169.18	178.00
67.000	570.00	709.64	.00	.03	.00	665.70	80.00
67.000	800.00	710.43	.78	.01	.00	750.41	80.00
67.000	965.00	710.96	.53	.01	.00	792.77	80.00
67.000	1190.00	711.50	.55	.01	.00	828.90	80.00
67.000	1360.00	711.83	.33	.00	.00	850.36	80.00
67.000	1550.00	712.12	.29	.00	.00	869.73	80.00
67.000	2010.00	712.75	.63	.00	.00	887.00	80.00
67.500	570.00	709.78	.00	.13	.00	752.14	247.00
67.500	800.00	710.50	.72	.07	.00	929.16	247.00
67.500	965.00	711.01	.51	.05	.00	1022.16	247.00
67.500	1190.00	711.55	.54	.04	.00	1082.59	247.00
67.500	1360.00	711.87	.32	.04	.00	1118.29	247.00
67.500	1550.00	712.16	.29	.04	.00	1153.51	247.00
67.500	2010.00	712.79	.63	.04	.00	1228.29	247.00
68.000	570.00	709.94	.00	.17	.00	763.81	255.00
68.000	800.00	710.58	.64	.08	.00	957.74	255.00
68.000	965.00	711.06	.48	.05	.00	1009.46	255.00
68.000	1190.00	711.59	.52	.04	.00	1060.17	255.00
68.000	1360.00	711.90	.32	.04	.00	1090.93	255.00
68.000	1550.00	712.19	.29	.03	.00	1119.03	255.00
68.000	2010.00	712.82	.62	.03	.00	1171.41	255.00
68.500	570.00	710.04	.00	.10	.00	932.72	249.00
68.500	800.00	710.65	.61	.07	.00	992.27	249.00
68.500	965.00	711.11	.46	.04	.00	1029.74	249.00
68.500	1190.00	711.62	.51	.03	.00	1063.89	249.00
68.500	1360.00	711.93	.31	.03	.00	1085.46	249.00
68.500	1550.00	712.22	.29	.03	.00	1115.33	249.00
68.500	2010.00	712.84	.62	.03	.00	1168.07	249.00
69.000	570.00	710.19	.00	.15	.00	659.99	256.00
69.000	800.00	710.74	.54	.09	.00	939.79	256.00
69.000	965.00	711.17	.43	.06	.00	1017.14	256.00
69.000	1190.00	711.66	.50	.04	.00	1105.37	256.00
69.000	1360.00	711.97	.31	.04	.00	1160.83	256.00
69.000	1550.00	712.26	.29	.04	.00	1212.08	256.00
69.000	2010.00	712.88	.62	.03	.00	1314.61	256.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
69.500	570.00	710.31	.00	.11	.00	568.95	254.00

69.500	800.00	710.82	.52	.09	.00	725.36	254.00
69.500	965.00	711.23	.40	.06	.00	1043.46	254.00
69.500	1190.00	711.71	.48	.04	.00	1143.98	254.00
69.500	1360.00	712.01	.30	.04	.00	1193.45	254.00
69.500	1550.00	712.29	.28	.04	.00	1228.07	254.00
69.500	2010.00	712.91	.61	.03	.00	1285.86	254.00
70.000	256.00	710.40	.00	.09	.00	702.38	250.00
70.000	363.00	710.89	.49	.07	.00	872.36	250.00
70.000	443.00	711.27	.38	.05	.00	939.41	250.00
70.000	554.00	711.74	.47	.03	.00	1018.71	250.00
70.000	644.00	712.04	.30	.03	.00	1069.67	250.00
70.000	741.00	712.32	.28	.02	.00	1118.39	250.00
70.000	998.00	712.93	.61	.02	.00	1200.32	250.00
70.300	256.00	710.41	.00	.01	.00	635.73	180.00
* 70.300	363.00	710.89	.49	.01	.00	696.30	180.00
* 70.300	443.00	711.28	.38	.00	.00	807.89	180.00
* 70.300	554.00	711.74	.46	.00	.00	813.22	180.00
* 70.300	644.00	712.04	.30	.00	.00	816.57	180.00
* 70.300	741.00	712.32	.28	.00	.00	819.73	180.00
* 70.300	998.00	712.93	.61	.00	.00	828.33	180.00
70.600	256.00	710.43	.00	.03	.00	645.36	200.00
70.600	363.00	710.92	.48	.02	.00	753.05	200.00
70.600	443.00	711.30	.38	.02	.00	818.29	200.00
70.600	554.00	711.76	.46	.02	.00	872.64	200.00
70.600	644.00	712.06	.30	.02	.00	897.45	200.00
70.600	741.00	712.34	.28	.02	.00	914.81	200.00
70.600	998.00	712.94	.61	.02	.00	948.49	200.00
71.000	256.00	710.46	.00	.02	.00	467.17	189.00
71.000	363.00	710.94	.48	.02	.00	588.79	189.00
71.000	443.00	711.32	.38	.02	.00	703.03	189.00
71.000	554.00	711.77	.46	.02	.00	821.94	189.00
71.000	644.00	712.07	.30	.02	.00	897.78	189.00
71.000	741.00	712.35	.28	.02	.00	969.20	189.00
71.000	998.00	712.96	.61	.02	.00	1191.93	189.00
71.500	256.00	710.49	.00	.03	.00	706.39	252.00
71.500	363.00	710.97	.48	.03	.00	756.00	252.00
71.500	443.00	711.35	.37	.03	.00	756.00	252.00
71.500	554.00	711.80	.45	.03	.00	756.00	252.00
71.500	644.00	712.10	.30	.03	.00	848.12	252.00
71.500	741.00	712.38	.28	.02	.00	851.57	252.00
71.500	998.00	712.98	.61	.02	.00	965.83	252.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	72.000	256.00	710.54	.00	.05	.00	382.61	248.00
*	72.000	363.00	711.01	.47	.04	.00	535.00	248.00
*	72.000	443.00	711.38	.37	.03	.00	535.00	248.00
*	72.000	554.00	711.83	.45	.03	.00	535.00	248.00
*	72.000	644.00	712.12	.29	.03	.00	690.60	248.00
*	72.000	741.00	712.40	.28	.02	.00	691.99	248.00
*	72.000	998.00	713.01	.61	.02	.00	796.20	248.00
73.000	256.00	710.61	.00	.07	.00	192.00	291.00	
73.000	363.00	711.08	.47	.07	.00	192.00	291.00	
73.000	443.00	711.44	.36	.06	.00	192.00	291.00	
73.000	554.00	711.88	.44	.05	.00	192.00	291.00	
73.000	644.00	712.17	.29	.05	.00	415.57	291.00	
73.000	741.00	712.45	.28	.05	.00	419.21	291.00	
73.000	998.00	713.05	.60	.04	.00	690.89	291.00	
74.000	256.00	710.64	.00	.02	.00	43.00	141.00	
74.000	363.00	711.11	.47	.02	.00	43.00	141.00	
74.000	443.00	711.46	.35	.02	.00	43.00	141.00	
74.000	554.00	711.91	.45	.03	.00	387.86	141.00	
74.000	644.00	712.20	.29	.03	.00	599.87	141.00	
74.000	741.00	712.48	.28	.04	.00	623.04	141.00	
74.000	998.00	713.09	.61	.04	.00	682.78	141.00	
* 75.000	256.00	710.59	.00	-.05	.00	19.00	6.00	
* 75.000	363.00	711.03	.44	-.08	.00	19.00	6.00	
* 75.000	443.00	711.35	.33	-.11	.00	19.00	6.00	
* 75.000	554.00	711.74	.39	-.16	.00	19.00	6.00	
* 75.000	644.00	711.99	.24	-.21	.00	405.59	6.00	
* 75.000	741.00	712.22	.23	-.27	.00	685.90	6.00	
* 75.000	998.00	712.75	.53	-.34	.00	708.31	6.00	
* 76.000	256.00	710.76	.00	.17	.00	165.00	102.00	
* 76.000	363.00	711.30	.55	.28	.00	165.00	102.00	
* 76.000	443.00	711.72	.41	.36	.00	165.00	102.00	

*	76.000	554.00	712.24	.52	.49	.00	372.52	102.00
*	76.000	644.00	712.60	.37	.62	.00	381.93	102.00
*	76.000	741.00	712.97	.36	.75	.00	707.76	102.00
*	76.000	998.00	713.71	.74	.96	.00	741.17	102.00
	76.500	256.00	710.77	.00	.02	.00	366.92	246.00
	76.500	363.00	711.33	.55	.02	.00	463.72	246.00
	76.500	443.00	711.75	.42	.03	.00	512.89	246.00
	76.500	554.00	712.27	.52	.03	.00	600.93	246.00
	76.500	644.00	712.64	.37	.03	.00	643.78	246.00
	76.500	741.00	713.00	.36	.03	.00	675.19	246.00
	76.500	998.00	713.74	.74	.03	.00	718.37	246.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
77.000	256.00	710.79	.00	.02	.00	479.23	240.00
77.000	363.00	711.35	.56	.02	.00	564.47	240.00
77.000	443.00	711.76	.42	.02	.00	628.23	240.00
77.000	554.00	712.29	.52	.02	.00	708.38	240.00
77.000	644.00	712.65	.37	.02	.00	759.47	240.00
77.000	741.00	713.02	.36	.02	.00	781.99	240.00
77.000	998.00	713.76	.74	.02	.00	827.74	240.00
77.500	256.00	710.81	.00	.02	.00	222.66	267.00
77.500	363.00	711.36	.56	.02	.00	543.77	267.00
77.500	443.00	711.78	.42	.01	.00	575.81	267.00
77.500	554.00	712.30	.52	.01	.00	599.08	267.00
77.500	644.00	712.67	.37	.01	.00	613.85	267.00
77.500	741.00	713.03	.36	.01	.00	626.57	267.00
77.500	998.00	713.77	.74	.01	.00	632.00	267.00
78.000	256.00	710.83	.00	.02	.00	295.58	247.00
78.000	363.00	711.39	.56	.03	.00	332.21	247.00
78.000	443.00	711.80	.41	.02	.00	359.35	247.00
78.000	554.00	712.32	.52	.02	.00	393.44	247.00
78.000	644.00	712.69	.36	.02	.00	414.42	247.00
78.000	741.00	713.05	.36	.02	.00	425.10	247.00
78.000	998.00	713.79	.74	.02	.00	434.00	247.00
79.000	256.00	710.87	.00	.04	.00	148.45	336.00
79.000	363.00	711.43	.56	.04	.00	151.54	336.00
79.000	443.00	711.84	.41	.04	.00	153.80	336.00
79.000	554.00	712.36	.52	.03	.00	156.64	336.00
79.000	644.00	712.72	.36	.03	.00	161.09	336.00
79.000	741.00	713.08	.36	.03	.00	170.63	336.00
79.000	998.00	713.81	.74	.03	.00	179.00	336.00
*	79.300	300.00	710.87	.00	.00	76.33	50.00
*	79.300	428.00	711.43	.56	.00	81.23	50.00
*	79.300	518.00	711.84	.41	.00	84.82	50.00
*	79.300	636.00	712.35	.52	.00	89.32	50.00
*	79.300	727.00	712.71	.36	.00	91.50	50.00
*	79.300	822.00	713.07	.36	.00	91.50	50.00
	79.300	1060.00	713.81	.73	.00	91.50	50.00
79.600	300.00	710.92	.00	.06	.00	76.77	120.00
79.600	428.00	711.49	.56	.06	.00	81.70	120.00
79.600	518.00	711.90	.41	.06	.00	85.26	120.00
79.600	636.00	712.41	.51	.06	.00	89.74	120.00
79.600	727.00	712.77	.36	.06	.00	91.50	120.00
79.600	822.00	713.13	.36	.05	.00	91.50	120.00
79.600	1060.00	713.86	.73	.05	.00	91.50	120.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	80.000	300.00	711.02	.00	.10	94.21	202.00
*	80.000	428.00	711.59	.56	.10	101.36	202.00
*	80.000	518.00	711.99	.40	.09	106.43	202.00
*	80.000	636.00	712.49	.50	.08	112.79	202.00
*	80.000	727.00	712.85	.35	.08	116.79	202.00
*	80.000	822.00	713.20	.35	.07	120.64	202.00
*	80.000	1060.00	713.92	.73	.06	125.00	202.00
81.000	300.00	711.13	.00	.11	.00	131.49	80.00
81.000	428.00	711.72	.59	.13	.00	138.10	80.00
81.000	518.00	712.14	.41	.15	.00	142.76	80.00
81.000	636.00	712.65	.52	.16	.00	148.57	80.00
81.000	727.00	713.01	.36	.16	.00	150.00	80.00
81.000	822.00	713.36	.35	.17	.00	150.00	80.00
81.000	1060.00	714.10	.74	.18	.00	150.00	80.00

*	82.000	300.00	711.34	.00	.21	.00	99.35	141.00
*	82.000	428.00	711.92	.58	.20	.00	105.19	141.00
*	82.000	518.00	712.31	.39	.18	.00	109.13	141.00
*	82.000	636.00	712.79	.48	.14	.00	117.72	141.00
	82.000	727.00	713.13	.34	.12	.00	127.10	141.00
	82.000	822.00	713.46	.33	.10	.00	136.61	141.00
	82.000	1060.00	714.19	.73	.09	.00	769.87	141.00
*	82.300	300.00	711.41	.00	.06	.00	74.00	50.00
*	82.300	428.00	712.00	.59	.07	.00	74.00	50.00
*	82.300	518.00	712.39	.39	.08	.00	74.00	50.00
*	82.300	636.00	712.87	.48	.08	.00	74.00	50.00
*	82.300	727.00	713.21	.34	.08	.00	74.00	50.00
*	82.300	822.00	713.54	.33	.08	.00	74.00	50.00
*	82.300	1060.00	714.34	.79	.15	.00	787.63	50.00
	82.600	300.00	711.41	.00	.00	.00	74.00	93.00
	82.600	428.00	712.00	.59	.00	.00	74.00	93.00
	82.600	518.00	712.39	.39	.00	.00	74.00	93.00
	82.600	636.00	712.87	.48	.00	.00	74.00	93.00
	82.600	727.00	713.21	.34	.00	.00	74.00	93.00
	82.600	822.00	713.58	.36	.03	.00	74.00	93.00
	82.600	1060.00	714.47	.89	.13	.00	797.60	93.00
*	83.000	300.00	711.37	.00	-.04	.00	45.39	20.00
*	83.000	428.00	711.94	.57	-.06	.00	73.49	20.00
*	83.000	518.00	712.32	.38	-.07	.00	77.54	20.00
*	83.000	636.00	712.79	.47	-.08	.00	81.35	20.00
*	83.000	727.00	713.13	.33	-.09	.00	84.04	20.00
*	83.000	822.00	713.49	.36	-.09	.00	86.93	20.00
*	83.000	1060.00	714.33	.85	-.14	.00	116.39	20.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
84.000	300.00	711.44	.00	.07	.00	55.41	57.00	
84.000	428.00	712.05	.61	.11	.00	75.82	57.00	
84.000	518.00	712.45	.40	.13	.00	84.06	57.00	
84.000	636.00	712.95	.49	.15	.00	92.44	57.00	
84.000	727.00	713.30	.35	.17	.00	97.93	57.00	
84.000	822.00	713.67	.37	.18	.00	103.61	57.00	
84.000	1060.00	714.54	.87	.21	.00	198.83	57.00	
85.000	300.00	711.53	.00	.09	.00	55.59	117.00	
85.000	428.00	712.15	.62	.10	.00	175.70	117.00	
85.000	518.00	712.55	.40	.10	.00	179.99	117.00	
85.000	636.00	713.06	.51	.11	.00	185.00	117.00	
85.000	727.00	713.42	.36	.12	.00	185.00	117.00	
85.000	822.00	713.80	.38	.13	.00	185.00	117.00	
85.000	1060.00	714.69	.89	.15	.00	234.00	117.00	
86.000	300.00	711.62	.00	.09	.00	101.57	110.00	
86.000	428.00	712.28	.65	.13	.00	180.37	110.00	
86.000	518.00	712.68	.40	.13	.00	219.74	110.00	
86.000	636.00	713.18	.50	.12	.00	272.07	110.00	
86.000	727.00	713.54	.36	.12	.00	315.18	110.00	
86.000	822.00	713.91	.38	.11	.00	346.59	110.00	
86.000	1060.00	714.79	.88	.10	.00	414.33	110.00	
87.000	300.00	711.79	.00	.17	.00	39.03	223.00	
87.000	428.00	712.43	.64	.15	.00	97.24	223.00	
87.000	518.00	712.81	.38	.13	.00	131.31	223.00	
87.000	636.00	713.28	.47	.10	.00	155.02	223.00	
87.000	727.00	713.62	.34	.09	.00	168.47	223.00	
87.000	822.00	713.98	.36	.07	.00	188.25	223.00	
*	87.000	1060.00	714.83	.85	.04	.00	229.61	223.00
88.000	300.00	711.89	.00	.10	.00	50.01	94.00	
88.000	428.00	712.55	.66	.12	.00	60.21	94.00	
88.000	518.00	712.95	.40	.14	.00	316.89	94.00	
88.000	636.00	713.44	.49	.16	.00	404.07	94.00	
88.000	727.00	713.79	.35	.16	.00	465.28	94.00	
88.000	822.00	714.14	.36	.16	.00	528.13	94.00	
*	88.000	1060.00	714.97	.83	.14	.00	653.03	94.00
88.300	300.00	712.18	.00	.29	.00	136.42	177.00	
88.300	428.00	712.83	.65	.28	.00	259.18	177.00	
88.300	518.00	713.18	.35	.23	.00	316.61	177.00	
88.300	636.00	713.60	.42	.16	.00	328.41	177.00	
88.300	727.00	713.91	.31	.12	.00	398.82	177.00	
88.300	822.00	714.23	.33	.09	.00	421.70	177.00	
88.300	1060.00	715.02	.79	.05	.00	462.16	177.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
88.600	300.00	712.50	.00	.32	.00	156.29	179.00
88.600	428.00	713.08	.58	.25	.00	190.71	179.00
88.600	518.00	713.38	.30	.20	.00	207.20	179.00
88.600	636.00	713.75	.37	.15	.00	226.45	179.00
88.600	727.00	714.03	.28	.13	.00	292.25	179.00
88.600	822.00	714.34	.30	.10	.00	338.92	179.00
88.600	1060.00	715.09	.75	.06	.00	432.93	179.00
89.000	300.00	712.74	.00	.24	.00	210.96	179.00
89.000	428.00	713.27	.53	.19	.00	255.02	179.00
89.000	518.00	713.56	.29	.18	.00	277.57	179.00
89.000	636.00	713.92	.36	.16	.00	302.73	179.00
89.000	727.00	714.18	.27	.15	.00	337.24	179.00
89.000	822.00	714.47	.28	.13	.00	391.77	179.00
89.000	1060.00	715.18	.71	.09	.00	485.88	179.00
89.500	300.00	713.01	.00	.27	.00	351.12	261.00
89.500	428.00	713.49	.48	.22	.00	427.98	261.00
* 89.500	518.00	713.76	.27	.20	.00	461.76	261.00
* 89.500	636.00	714.10	.34	.18	.00	484.15	261.00
* 89.500	727.00	714.35	.25	.16	.00	487.19	261.00
* 89.500	822.00	714.61	.26	.14	.00	490.00	261.00
* 89.500	1060.00	715.28	.67	.10	.00	490.00	261.00
* 90.000	300.00	713.16	.00	.15	.00	366.73	256.00
90.000	428.00	713.60	.44	.11	.00	430.45	256.00
90.000	518.00	713.85	.25	.09	.00	467.59	256.00
90.000	636.00	714.17	.32	.08	.00	494.00	256.00
90.000	727.00	714.41	.24	.07	.00	494.00	256.00
90.000	822.00	714.67	.26	.06	.00	494.00	256.00
90.000	1060.00	715.32	.65	.04	.00	494.00	256.00
* 91.000	300.00	713.25	.00	.09	.00	266.86	257.00
* 91.000	428.00	713.68	.43	.08	.00	363.31	257.00
* 91.000	518.00	713.93	.25	.08	.00	404.02	257.00
* 91.000	636.00	714.24	.31	.07	.00	458.17	257.00
* 91.000	727.00	714.48	.23	.07	.00	489.10	257.00
* 91.000	822.00	714.73	.25	.06	.00	500.00	257.00
* 91.000	1060.00	715.36	.64	.04	.00	500.00	257.00
* 92.000	300.00	713.65	.00	.40	.00	124.00	271.00
92.000	428.00	713.98	.33	.30	.00	124.00	271.00
92.000	518.00	714.18	.20	.25	.00	124.00	271.00
92.000	636.00	714.45	.27	.21	.00	124.00	271.00
92.000	727.00	714.65	.20	.17	.00	124.00	271.00
92.000	822.00	714.87	.22	.14	.00	124.00	271.00
* 92.000	1060.00	715.44	.57	.08	.00	124.00	271.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 92.300	300.00	713.67	.00	.02	.00	40.60	45.00
92.300	428.00	714.00	.32	.02	.00	40.60	45.00
92.300	518.00	714.20	.20	.02	.00	40.60	45.00
92.300	636.00	714.46	.26	.01	.00	40.60	45.00
92.300	727.00	714.65	.19	.00	.00	40.60	45.00
92.300	822.00	714.86	.21	-.01	.00	40.60	45.00
92.300	1060.00	715.40	.54	-.04	.00	40.60	45.00
92.600	300.00	713.68	.00	.01	.00	40.60	44.00
92.600	428.00	714.02	.33	.02	.00	40.60	44.00
92.600	518.00	714.22	.21	.03	.00	40.60	44.00
92.600	636.00	714.49	.27	.03	.00	40.60	44.00
92.600	727.00	714.69	.20	.04	.00	40.60	44.00
92.600	822.00	714.90	.21	.04	.00	40.60	44.00
92.600	1060.00	715.46	.55	.05	.00	40.60	44.00
* 93.000	300.00	713.68	.00	.00	.00	86.27	25.00
93.000	428.00	714.02	.34	.00	.00	87.29	25.00
93.000	518.00	714.23	.21	.01	.00	87.91	25.00
93.000	636.00	714.51	.28	.02	.00	88.74	25.00
93.000	727.00	714.71	.21	.02	.00	90.00	25.00
93.000	822.00	714.94	.22	.03	.00	90.00	25.00
93.000	1060.00	715.55	.61	.09	.00	90.00	25.00
94.000	300.00	713.71	.00	.02	.00	213.99	35.00
94.000	428.00	714.08	.37	.06	.00	221.93	35.00
94.000	518.00	714.32	.24	.08	.00	227.98	35.00
94.000	636.00	714.63	.32	.12	.00	235.99	35.00
94.000	727.00	714.87	.24	.15	.00	240.00	35.00

*	94.000	822.00	715.12	.25	.19	.00	240.00	35.00
	94.000	1060.00	715.79	.67	.24	.00	240.00	35.00
	95.000	300.00	713.75	.00	.05	.00	278.65	55.00
	95.000	428.00	714.14	.38	.06	.00	313.21	55.00
	95.000	518.00	714.38	.25	.07	.00	339.73	55.00
	95.000	636.00	714.71	.32	.08	.00	354.89	55.00
	95.000	727.00	714.95	.24	.08	.00	355.00	55.00
	95.000	822.00	715.20	.26	.08	.00	355.00	55.00
	95.000	1060.00	715.87	.66	.08	.00	355.00	55.00
	96.000	300.00	713.83	.00	.07	.00	310.16	96.00
	96.000	428.00	714.22	.39	.08	.00	369.68	96.00
	96.000	518.00	714.47	.25	.08	.00	420.72	96.00
	96.000	636.00	714.78	.32	.08	.00	477.69	96.00
	96.000	727.00	715.02	.24	.07	.00	501.97	96.00
	96.000	822.00	715.27	.25	.07	.00	518.71	96.00
	96.000	1060.00	715.92	.65	.06	.00	603.44	96.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	97.000	300.00	713.95	.00	.13	.00	336.78	269.00
	97.000	428.00	714.36	.40	.14	.00	604.68	269.00
	97.000	518.00	714.61	.25	.14	.00	617.44	269.00
	97.000	636.00	714.92	.31	.14	.00	635.44	269.00
	97.000	727.00	715.15	.23	.13	.00	652.38	269.00
	97.000	822.00	715.39	.24	.12	.00	673.63	269.00
	97.000	1060.00	716.02	.63	.10	.00	745.87	269.00
*	98.000	300.00	714.09	.00	.13	.00	82.87	264.00
*	98.000	428.00	714.48	.40	.13	.00	98.93	264.00
*	98.000	518.00	714.72	.24	.12	.00	828.90	264.00
*	98.000	636.00	715.03	.30	.11	.00	843.71	264.00
*	98.000	727.00	715.25	.22	.10	.00	854.54	264.00
*	98.000	822.00	715.48	.23	.09	.00	865.87	264.00
	98.000	1060.00	716.09	.60	.07	.00	895.30	264.00
	98.300	300.00	714.31	.00	.22	.00	575.24	202.00
*	98.300	428.00	714.78	.47	.30	.00	853.37	202.00
*	98.300	518.00	715.02	.24	.30	.00	880.33	202.00
*	98.300	636.00	715.26	.24	.23	.00	892.85	202.00
*	98.300	727.00	715.44	.18	.19	.00	902.79	202.00
	98.300	822.00	715.63	.20	.15	.00	913.65	202.00
	98.300	1060.00	716.17	.54	.09	.00	928.78	202.00
	98.600	300.00	714.61	.00	.31	.00	363.61	254.00
	98.600	428.00	714.95	.34	.18	.00	520.95	254.00
	98.600	518.00	715.17	.21	.15	.00	759.86	254.00
	98.600	636.00	715.39	.22	.13	.00	779.67	254.00
	98.600	727.00	715.56	.17	.12	.00	790.99	254.00
	98.600	822.00	715.74	.18	.11	.00	802.95	254.00
	98.600	1060.00	716.25	.51	.08	.00	839.76	254.00
	99.000	300.00	714.80	.00	.19	.00	687.38	225.00
	99.000	428.00	715.16	.36	.21	.00	720.63	225.00
	99.000	518.00	715.37	.21	.20	.00	739.54	225.00
	99.000	636.00	715.58	.22	.19	.00	759.33	225.00
	99.000	727.00	715.74	.16	.18	.00	773.66	225.00
	99.000	822.00	715.90	.17	.16	.00	788.96	225.00
	99.000	1060.00	716.36	.46	.11	.00	831.30	225.00
	99.500	300.00	715.04	.00	.24	.00	641.73	250.00
	99.500	428.00	715.37	.33	.21	.00	677.50	250.00
	99.500	518.00	715.56	.19	.20	.00	694.41	250.00
	99.500	636.00	715.77	.21	.19	.00	707.88	250.00
	99.500	727.00	715.92	.15	.19	.00	720.16	250.00
	99.500	822.00	716.08	.16	.18	.00	732.71	250.00
	99.500	1060.00	716.50	.42	.14	.00	769.35	250.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	100.000	300.00	715.24	.00	.20	.00	421.40	277.00
	100.000	428.00	715.59	.35	.22	.00	481.26	277.00
	100.000	518.00	715.78	.19	.22	.00	513.35	277.00
	100.000	636.00	715.99	.21	.22	.00	548.09	277.00
	100.000	727.00	716.14	.15	.22	.00	572.29	277.00
	100.000	822.00	716.29	.15	.21	.00	596.96	277.00
	100.000	1060.00	716.69	.39	.18	.00	641.75	277.00
	100.500	300.00	715.37	.00	.14	.00	396.91	205.00

100.500	428.00	715.73	.36	.14	.00	582.58	205.00
100.500	518.00	715.93	.20	.15	.00	645.37	205.00
100.500	636.00	716.15	.22	.16	.00	696.09	205.00
100.500	727.00	716.31	.16	.17	.00	709.41	205.00
100.500	822.00	716.46	.16	.17	.00	720.59	205.00
* 100.500	1060.00	716.85	.38	.16	.00	745.43	205.00
101.000	300.00	715.48	.00	.11	.00	520.97	223.00
101.000	428.00	715.84	.35	.10	.00	650.63	223.00
101.000	518.00	716.03	.20	.10	.00	724.02	223.00
101.000	636.00	716.25	.22	.10	.00	806.41	223.00
101.000	727.00	716.40	.15	.10	.00	864.47	223.00
101.000	822.00	716.56	.15	.09	.00	922.32	223.00
101.000	1060.00	716.93	.37	.08	.00	949.42	223.00
102.000	300.00	715.52	.00	.03	.00	458.24	131.00
102.000	428.00	715.87	.35	.03	.00	505.00	131.00
102.000	518.00	716.06	.19	.03	.00	505.00	131.00
102.000	636.00	716.28	.22	.03	.00	505.00	131.00
102.000	727.00	716.44	.15	.03	.00	505.00	131.00
102.000	822.00	716.59	.15	.03	.00	505.00	131.00
* 102.000	1060.00	716.96	.37	.03	.00	505.00	131.00
* 103.000	300.00	715.57	.00	.05	.00	206.26	117.00
* 103.000	428.00	715.91	.34	.04	.00	242.04	117.00
* 103.000	518.00	716.10	.19	.04	.00	248.27	117.00
* 103.000	636.00	716.32	.22	.04	.00	259.73	117.00
* 103.000	727.00	716.47	.15	.04	.00	270.11	117.00
* 103.000	822.00	716.63	.15	.04	.00	280.41	117.00
* 103.000	1060.00	716.99	.36	.03	.00	283.00	117.00
* 104.000	300.00	715.73	.00	.16	.00	160.00	64.00
* 104.000	428.00	716.07	.35	.16	.00	160.00	64.00
* 104.000	518.00	716.26	.19	.16	.00	160.00	64.00
* 104.000	636.00	716.48	.21	.16	.00	160.00	64.00
* 104.000	727.00	716.62	.15	.15	.00	160.00	64.00
* 104.000	822.00	716.76	.14	.14	.00	160.00	64.00
* 104.000	1060.00	717.09	.33	.10	.00	160.00	64.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
104.300	181.00	715.76	.00	.04	.00	40.60	50.00
104.300	277.00	716.11	.35	.04	.00	40.60	50.00
104.300	345.00	716.30	.19	.04	.00	40.60	50.00
104.300	435.00	716.51	.21	.04	.00	40.60	50.00
104.300	502.00	716.65	.14	.03	.00	40.60	50.00
104.300	578.00	716.79	.14	.03	.00	40.60	50.00
104.300	757.00	717.12	.33	.02	.00	40.60	50.00
104.600	181.00	715.77	.00	.00	.00	40.60	44.00
104.600	277.00	716.12	.35	.01	.00	40.60	44.00
104.600	345.00	716.31	.19	.01	.00	40.60	44.00
104.600	435.00	716.53	.21	.02	.00	40.60	44.00
104.600	502.00	716.67	.15	.02	.00	40.60	44.00
104.600	578.00	716.81	.14	.02	.00	40.60	44.00
104.600	757.00	717.15	.34	.03	.00	40.60	44.00
105.000	181.00	715.77	.00	.00	.00	47.76	45.00
105.000	277.00	716.13	.36	.01	.00	48.30	45.00
105.000	345.00	716.33	.20	.01	.00	48.59	45.00
105.000	435.00	716.54	.22	.02	.00	48.92	45.00
105.000	502.00	716.69	.15	.02	.00	49.00	45.00
105.000	578.00	716.84	.15	.03	.00	49.00	45.00
105.000	757.00	717.19	.35	.04	.00	49.00	45.00
106.000	181.00	715.82	.00	.04	.00	41.85	297.00
106.000	277.00	716.21	.39	.08	.00	43.40	297.00
106.000	345.00	716.43	.22	.10	.00	44.28	297.00
106.000	435.00	716.68	.25	.13	.00	45.00	297.00
106.000	502.00	716.85	.17	.16	.00	45.00	297.00
106.000	578.00	717.02	.17	.18	.00	45.00	297.00
106.000	757.00	717.43	.41	.24	.00	45.00	297.00
106.300	181.00	715.82	.00	.01	.00	50.36	40.00
106.300	277.00	716.22	.39	.01	.00	51.40	40.00
106.300	345.00	716.44	.22	.01	.00	51.99	40.00
106.300	435.00	716.70	.26	.02	.00	52.66	40.00
106.300	502.00	716.87	.18	.02	.00	53.13	40.00
106.300	578.00	717.05	.18	.03	.00	53.60	40.00
106.300	757.00	717.47	.42	.04	.00	54.00	40.00
106.600	181.00	715.83	.00	.01	.00	50.38	15.00
106.600	277.00	716.24	.40	.02	.00	51.45	15.00
106.600	345.00	716.47	.23	.03	.00	52.06	15.00

106.600	435.00	716.73	.27	.04	.00	52.77	15.00
106.600	502.00	716.92	.19	.05	.00	53.26	15.00
106.600	578.00	717.11	.19	.06	.00	53.75	15.00
106.600	757.00	717.55	.44	.08	.00	54.00	15.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
107.000	181.00	715.84	.00	.00	.00	47.05	15.00
107.000	277.00	716.24	.40	.00	.00	50.45	15.00
107.000	345.00	716.47	.23	.00	.00	52.41	15.00
107.000	435.00	716.74	.27	.00	.00	54.68	15.00
107.000	502.00	716.92	.18	.00	.00	56.25	15.00
107.000	578.00	717.11	.19	.00	.00	57.80	15.00
107.000	757.00	717.55	.44	.00	.00	61.53	15.00
* 109.000	181.00	715.86	.00	.02	.00	56.93	40.00
* 109.000	277.00	716.28	.42	.04	.00	68.72	40.00
* 109.000	345.00	716.52	.24	.05	.00	73.75	40.00
* 109.000	435.00	716.80	.28	.07	.00	79.63	40.00
* 109.000	502.00	717.00	.20	.08	.00	83.72	40.00
* 109.000	578.00	717.21	.20	.10	.00	87.78	40.00
* 109.000	757.00	717.69	.48	.14	.00	93.06	40.00
110.000	181.00	715.86	.00	.01	.00	67.77	43.00
110.000	277.00	716.29	.42	.01	.00	71.56	43.00
110.000	345.00	716.54	.25	.02	.00	73.78	43.00
110.000	435.00	716.83	.29	.03	.00	76.38	43.00
110.000	502.00	717.03	.20	.03	.00	78.24	43.00
110.000	578.00	717.24	.21	.04	.00	80.12	43.00
110.000	757.00	717.73	.49	.05	.00	84.50	43.00
111.000	181.00	715.87	.00	.01	.00	99.65	55.00
111.000	277.00	716.30	.43	.01	.00	105.37	55.00
111.000	345.00	716.55	.25	.01	.00	108.73	55.00
111.000	435.00	716.85	.30	.02	.00	112.67	55.00
111.000	502.00	717.06	.21	.03	.00	115.49	55.00
111.000	578.00	717.27	.22	.03	.00	118.33	55.00
111.000	757.00	717.78	.50	.05	.00	130.20	55.00
112.000	181.00	715.87	.00	.00	.00	91.26	52.00
112.000	277.00	716.30	.43	.00	.00	102.42	52.00
112.000	345.00	716.56	.25	.01	.00	109.00	52.00
112.000	435.00	716.86	.30	.01	.00	116.56	52.00
112.000	502.00	717.07	.21	.01	.00	120.73	52.00
112.000	578.00	717.28	.22	.01	.00	132.35	52.00
112.000	757.00	717.79	.51	.01	.00	162.27	52.00
113.000	181.00	715.88	.00	.01	.00	119.75	64.00
113.000	277.00	716.31	.44	.01	.00	129.50	64.00
113.000	345.00	716.57	.26	.01	.00	135.25	64.00
113.000	435.00	716.87	.30	.02	.00	143.04	64.00
113.000	502.00	717.09	.21	.02	.00	147.73	64.00
113.000	578.00	717.31	.22	.03	.00	152.51	64.00
113.000	757.00	717.82	.51	.03	.00	203.19	64.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
114.000	181.00	715.89	.00	.01	.00	197.88	144.00
114.000	277.00	716.33	.44	.02	.00	223.80	144.00
114.000	345.00	716.60	.26	.03	.00	243.46	144.00
114.000	435.00	716.91	.31	.04	.00	266.23	144.00
114.000	502.00	717.13	.22	.04	.00	278.12	144.00
114.000	578.00	717.36	.23	.05	.00	287.74	144.00
114.000	757.00	717.88	.53	.06	.00	310.80	144.00
115.000	181.00	715.90	.00	.01	.00	240.48	135.00
115.000	277.00	716.35	.45	.01	.00	262.02	135.00
115.000	345.00	716.61	.27	.02	.00	276.02	135.00
115.000	435.00	716.93	.31	.02	.00	290.34	135.00
115.000	502.00	717.15	.22	.02	.00	299.18	135.00
115.000	578.00	717.38	.23	.02	.00	306.03	135.00
115.000	757.00	717.91	.53	.02	.00	311.69	135.00
* 116.000	181.00	715.91	.00	.01	.00	231.54	123.00
* 116.000	277.00	716.36	.45	.01	.00	286.62	123.00
* 116.000	345.00	716.63	.27	.01	.00	323.73	123.00
116.000	435.00	716.94	.32	.01	.00	332.29	123.00
116.000	502.00	717.17	.22	.02	.00	338.26	123.00
116.000	578.00	717.40	.23	.02	.00	344.47	123.00
116.000	757.00	717.93	.53	.02	.00	358.77	123.00

117.000	181.00	715.94	.00	.04	.00	268.33	214.00
117.000	277.00	716.40	.46	.05	.00	298.30	214.00
117.000	345.00	716.68	.27	.05	.00	323.39	214.00
117.000	435.00	717.00	.32	.05	.00	343.54	214.00
117.000	502.00	717.22	.22	.05	.00	349.71	214.00
117.000	578.00	717.45	.23	.05	.00	356.13	214.00
117.000	757.00	717.98	.53	.05	.00	368.36	214.00
118.000	181.00	715.98	.00	.03	.00	235.46	212.00
118.000	277.00	716.44	.47	.04	.00	270.40	212.00
118.000	345.00	716.71	.27	.04	.00	305.28	212.00
118.000	435.00	717.03	.32	.04	.00	352.22	212.00
118.000	502.00	717.26	.22	.04	.00	374.36	212.00
118.000	578.00	717.49	.23	.04	.00	388.67	212.00
118.000	757.00	718.02	.53	.04	.00	418.45	212.00
119.000	181.00	716.01	.00	.04	.00	170.01	202.00
119.000	277.00	716.48	.47	.04	.00	218.45	202.00
119.000	345.00	716.76	.28	.04	.00	245.04	202.00
119.000	435.00	717.08	.32	.05	.00	274.32	202.00
119.000	502.00	717.30	.22	.05	.00	294.56	202.00
119.000	578.00	717.53	.23	.05	.00	315.62	202.00
119.000	757.00	718.06	.53	.04	.00	363.52	202.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
120.000	181.00	716.07	.00	.06	.00	169.55	181.00
120.000	277.00	716.55	.48	.07	.00	207.11	181.00
120.000	345.00	716.83	.28	.07	.00	228.66	181.00
120.000	435.00	717.15	.32	.07	.00	254.54	181.00
120.000	502.00	717.37	.22	.07	.00	272.84	181.00
120.000	578.00	717.60	.23	.06	.00	291.95	181.00
120.000	757.00	718.12	.52	.06	.00	333.50	181.00
121.000	181.00	716.12	.00	.05	.00	234.54	200.00
121.000	277.00	716.61	.49	.06	.00	269.08	200.00
121.000	345.00	716.89	.28	.06	.00	285.66	200.00
121.000	435.00	717.22	.32	.07	.00	306.13	200.00
121.000	502.00	717.44	.22	.07	.00	320.67	200.00
121.000	578.00	717.67	.23	.07	.00	335.54	200.00
121.000	757.00	718.19	.52	.07	.00	367.82	200.00

122.000	181.00	716.16	.00	.04	.00	243.78	221.00	
122.000	277.00	716.66	.50	.05	.00	372.66	221.00	
122.000	345.00	716.94	.28	.05	.00	384.66	221.00	
122.000	435.00	717.27	.33	.05	.00	398.40	221.00	
122.000	502.00	717.49	.22	.05	.00	407.77	221.00	
122.000	578.00	717.72	.23	.05	.00	417.51	221.00	
122.000	757.00	718.24	.52	.05	.00	439.21	221.00	
123.000	181.00	716.18	.00	.02	.00	297.36	186.00	
123.000	277.00	716.68	.50	.03	.00	349.55	186.00	
123.000	345.00	716.97	.29	.03	.00	378.16	186.00	
123.000	435.00	717.30	.33	.03	.00	399.68	186.00	
123.000	502.00	717.52	.22	.03	.00	414.46	186.00	
123.000	578.00	717.75	.23	.03	.00	428.91	186.00	
123.000	757.00	718.27	.52	.03	.00	450.18	186.00	
124.000	181.00	716.22	.00	.03	.00	333.31	213.00	
124.000	277.00	716.72	.51	.04	.00	361.38	213.00	
124.000	345.00	717.01	.29	.04	.00	388.84	213.00	
124.000	435.00	717.34	.33	.04	.00	411.60	213.00	
124.000	502.00	717.56	.22	.04	.00	423.09	213.00	
124.000	578.00	717.79	.23	.04	.00	435.27	213.00	
124.000	757.00	718.31	.52	.04	.00	460.60	213.00	
*	125.000	181.00	716.20	.00	-.01	.00	28.81	190.00
*	125.000	277.00	716.65	.45	-.07	.00	356.97	190.00
*	125.000	345.00	716.96	.31	-.05	.00	380.15	190.00
*	125.000	435.00	717.32	.36	-.02	.00	406.87	190.00
*	125.000	502.00	717.55	.23	-.01	.00	424.46	190.00
*	125.000	578.00	717.79	.24	.00	.00	442.42	190.00
*	125.000	757.00	718.32	.52	.01	.00	481.66	190.00

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SECDNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	126.000	181.00	716.75	.00	.55	.00	407.99	204.00
*	126.000	277.00	717.26	.51	.60	.00	509.74	204.00
*	126.000	345.00	717.49	.24	.53	.00	536.23	204.00
*	126.000	435.00	717.76	.27	.44	.00	565.64	204.00
*	126.000	502.00	717.95	.19	.40	.00	585.80	204.00
*	126.000	578.00	718.15	.20	.36	.00	588.03	204.00
*	126.000	757.00	718.61	.46	.30	.00	607.47	204.00
127.000	181.00	716.97	.00	.22	.00	409.53	197.00	
127.000	277.00	717.43	.46	.17	.00	541.24	197.00	
127.000	345.00	717.66	.24	.17	.00	556.90	197.00	
127.000	435.00	717.93	.27	.17	.00	570.14	197.00	
127.000	502.00	718.12	.19	.17	.00	604.62	197.00	
127.000	578.00	718.32	.20	.17	.00	623.30	197.00	
127.000	757.00	718.77	.45	.16	.00	655.98	197.00	
*	128.000	181.00	717.06	.00	.10	.00	714.06	202.00
*	128.000	277.00	717.51	.45	.08	.00	780.38	202.00
*	128.000	345.00	717.75	.23	.08	.00	814.91	202.00
*	128.000	435.00	718.02	.27	.09	.00	854.30	202.00
*	128.000	502.00	718.20	.19	.09	.00	881.62	202.00
*	128.000	578.00	718.40	.20	.08	.00	910.93	202.00
*	128.000	757.00	718.85	.45	.08	.00	956.73	202.00
*	129.000	181.00	717.10	.00	.03	.00	345.13	285.00
*	129.000	277.00	717.55	.46	.04	.00	359.89	285.00
*	129.000	345.00	717.79	.24	.04	.00	367.06	285.00
*	129.000	435.00	718.06	.27	.04	.00	374.60	285.00
*	129.000	502.00	718.25	.19	.05	.00	377.35	285.00
*	129.000	578.00	718.45	.20	.05	.00	380.29	285.00
*	129.000	757.00	718.89	.45	.05	.00	386.81	285.00
130.000	181.00	717.15	.00	.06	.00	349.86	266.00	
130.000	277.00	717.62	.47	.07	.00	382.08	266.00	
130.000	345.00	717.87	.25	.08	.00	399.15	266.00	
130.000	435.00	718.15	.28	.09	.00	418.62	266.00	
130.000	502.00	718.35	.19	.10	.00	432.73	266.00	
130.000	578.00	718.56	.21	.11	.00	447.05	266.00	
130.000	757.00	719.01	.46	.12	.00	475.10	266.00	
131.000	181.00	717.18	.00	.03	.00	285.18	165.00	
131.000	277.00	717.65	.47	.03	.00	311.91	165.00	
131.000	345.00	717.91	.25	.04	.00	322.63	165.00	
131.000	435.00	718.20	.29	.04	.00	331.12	165.00	
131.000	502.00	718.39	.20	.04	.00	336.19	165.00	
131.000	578.00	718.60	.21	.05	.00	341.59	165.00	
131.000	757.00	719.06	.46	.05	.00	355.84	165.00	

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
132.000	181.00	717.22	.00	.04	.00	289.29	274.00
132.000	277.00	717.71	.49	.05	.00	313.83	274.00
132.000	345.00	717.97	.26	.06	.00	327.81	274.00
132.000	435.00	718.27	.30	.07	.00	443.80	274.00
132.000	502.00	718.47	.20	.08	.00	456.77	274.00
132.000	578.00	718.69	.22	.08	.00	470.92	274.00
132.000	757.00	719.16	.47	.10	.00	501.40	274.00
133.000	181.00	717.25	.00	.03	.00	334.25	180.00
133.000	277.00	717.75	.50	.04	.00	390.48	180.00
133.000	345.00	718.02	.27	.05	.00	420.76	180.00
133.000	435.00	718.32	.31	.06	.00	455.42	180.00
133.000	502.00	718.53	.21	.06	.00	479.59	180.00
133.000	578.00	718.75	.22	.06	.00	493.78	180.00
133.000	757.00	719.23	.48	.07	.00	512.66	180.00
134.000	181.00	717.29	.00	.04	.00	355.89	238.00
134.000	277.00	717.79	.50	.04	.00	437.47	238.00
134.000	345.00	718.07	.27	.05	.00	470.80	238.00
134.000	435.00	718.38	.31	.06	.00	486.80	238.00
134.000	502.00	718.59	.21	.06	.00	494.55	238.00
* 134.000	578.00	718.82	.22	.06	.00	499.20	238.00
134.000	757.00	719.30	.48	.07	.00	509.88	238.00
135.000	181.00	717.32	.00	.03	.00	551.86	302.00
135.000	277.00	717.84	.51	.04	.00	586.42	302.00
135.000	345.00	718.12	.28	.05	.00	604.89	302.00
135.000	435.00	718.44	.32	.06	.00	626.38	302.00
135.000	502.00	718.65	.22	.06	.00	641.54	302.00
135.000	578.00	718.88	.23	.06	.00	659.37	302.00
135.000	757.00	719.37	.49	.07	.00	698.12	302.00
* 136.000	181.00	717.35	.00	.03	.00	385.29	298.00
* 136.000	277.00	717.87	.52	.03	.00	435.78	298.00
* 136.000	345.00	718.15	.28	.03	.00	461.98	298.00
* 136.000	435.00	718.47	.32	.04	.00	498.07	298.00
* 136.000	502.00	718.69	.22	.04	.00	521.95	298.00
136.000	578.00	718.92	.23	.04	.00	545.72	298.00
136.000	757.00	719.42	.50	.04	.00	583.24	298.00
137.000	181.00	717.40	.00	.06	.00	323.30	249.00
137.000	277.00	717.93	.53	.06	.00	351.73	249.00
137.000	345.00	718.22	.29	.07	.00	367.32	249.00
137.000	435.00	718.55	.33	.07	.00	385.11	249.00
137.000	502.00	718.77	.22	.08	.00	398.71	249.00
137.000	578.00	719.00	.23	.08	.00	410.00	249.00
137.000	757.00	719.50	.50	.08	.00	410.00	249.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
138.000	181.00	717.44	.00	.04	.00	233.70	136.00
138.000	277.00	717.98	.53	.05	.00	277.45	136.00
138.000	345.00	718.27	.29	.05	.00	290.00	136.00
138.000	435.00	718.61	.34	.06	.00	290.00	136.00
138.000	502.00	718.83	.23	.06	.00	290.00	136.00
138.000	578.00	719.07	.24	.07	.00	290.00	136.00
* 138.000	757.00	719.57	.50	.07	.00	290.00	136.00
139.000	181.00	717.46	.00	.02	.00	169.85	100.00
139.000	277.00	718.00	.53	.02	.00	191.67	100.00
139.000	345.00	718.29	.29	.02	.00	213.00	100.00
139.000	435.00	718.63	.34	.02	.00	213.00	100.00
139.000	502.00	718.85	.22	.02	.00	213.00	100.00
139.000	578.00	719.09	.24	.02	.00	213.00	100.00
139.000	757.00	719.59	.50	.02	.00	213.00	100.00
140.000	181.00	717.49	.00	.02	.00	165.37	66.00
140.000	277.00	718.02	.54	.02	.00	187.08	66.00
140.000	345.00	718.32	.29	.02	.00	195.00	66.00
140.000	435.00	718.65	.34	.03	.00	195.00	66.00
140.000	502.00	718.88	.22	.03	.00	195.00	66.00
140.000	578.00	719.11	.24	.03	.00	195.00	66.00
140.000	757.00	719.62	.50	.03	.00	195.00	66.00
141.000	181.00	717.50	.00	.01	.00	69.55	63.00
141.000	277.00	718.03	.53	.01	.00	95.64	63.00
141.000	345.00	718.32	.29	.00	.00	104.00	63.00
141.000	435.00	718.65	.33	.00	.00	104.00	63.00
141.000	502.00	718.87	.22	.00	.00	104.00	63.00

*	141.000	578.00	719.11	.23	-.01	.00	104.00	63.00
*	141.000	757.00	719.60	.50	-.01	.00	104.00	63.00
*	142.000	181.00	717.53	.00	.04	.00	76.00	61.00
*	142.000	277.00	718.08	.55	.06	.00	76.00	61.00
*	142.000	345.00	718.39	.30	.07	.00	76.00	61.00
*	142.000	435.00	718.73	.34	.08	.00	76.00	61.00
*	142.000	502.00	718.96	.23	.09	.00	76.00	61.00
*	142.000	578.00	719.20	.24	.09	.00	76.00	61.00
*	142.000	757.00	719.71	.51	.11	.00	76.00	61.00
*	143.000	181.00	717.53	.00	.00	.00	35.00	101.00
*	143.000	277.00	718.08	.55	.00	.00	35.00	101.00
*	143.000	345.00	718.38	.30	-.01	.00	35.00	101.00
*	143.000	435.00	718.72	.34	-.01	.00	35.00	101.00
*	143.000	502.00	718.94	.23	-.02	.00	35.00	101.00
*	143.000	578.00	719.18	.23	-.02	.00	35.00	101.00
*	143.000	757.00	719.67	.49	-.04	.00	35.00	101.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	144.000	181.00	717.54	.00	.00	.00	35.00	23.50
	144.000	277.00	718.08	.55	.00	.00	35.00	23.50
	144.000	345.00	718.39	.30	.01	.00	35.00	23.50
	144.000	435.00	718.73	.34	.01	.00	35.00	23.50
	144.000	502.00	718.96	.23	.01	.00	35.00	23.50
	144.000	578.00	719.19	.24	.02	.00	35.00	23.50
	144.000	757.00	719.70	.50	.03	.00	35.00	23.50
*	145.000	181.00	717.58	.00	.04	.00	76.00	50.00
*	145.000	277.00	718.16	.58	.08	.00	76.00	50.00
*	145.000	345.00	718.49	.33	.10	.00	76.00	50.00
*	145.000	435.00	718.86	.38	.14	.00	76.00	50.00
*	145.000	502.00	719.12	.26	.16	.00	76.00	50.00
*	145.000	578.00	719.39	.27	.20	.00	76.00	50.00
*	145.000	757.00	719.97	.58	.28	.00	76.00	50.00
	146.000	181.00	717.62	.00	.04	.00	76.00	180.50
	146.000	277.00	718.23	.61	.07	.00	76.00	180.50
	146.000	345.00	718.58	.35	.09	.00	76.00	180.50
	146.000	435.00	719.00	.42	.13	.00	76.00	180.50
	146.000	502.00	719.28	.29	.16	.00	76.00	180.50
	146.000	578.00	719.59	.31	.20	.00	76.00	180.50
	146.000	757.00	720.27	.68	.29	.00	76.00	180.50
*	147.000	181.00	717.62	.00	.00	.00	274.00	60.00
*	147.000	277.00	718.24	.62	.01	.00	274.00	60.00
*	147.000	345.00	718.59	.36	.01	.00	274.00	60.00
*	147.000	435.00	719.01	.42	.02	.00	274.00	60.00
*	147.000	502.00	719.30	.29	.02	.00	274.00	60.00
*	147.000	578.00	719.61	.31	.02	.00	274.00	60.00
*	147.000	757.00	720.30	.69	.03	.00	274.00	60.00
*	147.500	181.00	717.62	.00	.00	.00	1054.05	290.00
*	147.500	277.00	718.24	.62	.00	.00	1111.74	290.00
*	147.500	345.00	718.59	.36	.00	.00	1145.10	290.00
*	147.500	435.00	719.02	.42	.00	.00	1200.08	290.00
*	147.500	502.00	719.31	.29	.01	.00	1239.57	290.00
*	147.500	578.00	719.62	.31	.01	.00	1281.95	290.00
*	147.500	757.00	720.31	.69	.01	.00	1375.32	290.00
*	148.000	181.00	717.62	.00	.00	.00	1214.94	290.00
*	148.000	277.00	718.24	.62	.00	.00	1306.51	290.00
*	148.000	345.00	718.60	.36	.00	.00	1359.47	290.00
*	148.000	435.00	719.02	.42	.00	.00	1421.67	290.00
*	148.000	502.00	719.31	.29	.00	.00	1464.63	290.00
*	148.000	578.00	719.62	.31	.00	.00	1510.74	290.00
*	148.000	757.00	720.31	.69	.00	.00	1612.34	290.00

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	149.000	181.00	717.62	.00	.00	.00	1964.42	635.00
	149.000	277.00	718.24	.62	.00	.00	2055.67	635.00
	149.000	345.00	718.60	.36	.00	.00	2108.43	635.00
	149.000	435.00	719.02	.42	.00	.00	2137.82	635.00
	149.000	502.00	719.31	.29	.00	.00	2157.92	635.00
	149.000	578.00	719.62	.31	.00	.00	2179.47	635.00
	149.000	757.00	720.31	.69	.00	.00	2226.98	635.00

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