

=====

PYWALL for Windows, Version 2022.7.5

Serial Number : 447597562

A Program for the Analysis of
Flexible Retaining Walls
(c) Copyright ENSOFT, Inc., 1987-2022
All Rights Reserved

=====

This program is licensed to :

EMHT Inc.
New Albany, OH, USA

Path to file locations : J:\20230339\ODOT\07_D11 Bridge
St_Bowerston\120494\400-Engineering\Structures\SFN_3431790\EngData\17_Temp
Shoring\Stage 3 Design\PYWALL\
Name of input data file : Temp Shoring_FA.py7d
Name of output file : Temp Shoring_FA.py7o
Name of plot output file : Temp Shoring_FA.py7p

Time and Date of Analysis

Date: December 19, 2025 Time: 10:54:47

New Wall

* PROGRAM CONTROL PARAMETERS *

NO OF POINTS FOR SPECIFIED DEFLECTIONS AND SLOPES	=	0
NO OF WALL SECTIONS	=	1
NO OF CROSS SECTIONS	=	1
GENERATE EARTH PRESSURE INTERNALLY	=	1
GENERATE SOIL RESISTANCE (P-Y) CURVES INTERNALLY	=	1
NO OF P-Y MODIFICATION FACTORS FOR GEN. P-Y CURVES	=	0
NO OF USER-SPECIFIED SOIL RESISTANCE (P-Y) CURVES	=	0
NO OF TIE BACKS	=	0
NO OF STRUTS/RAKERS	=	0

HEIGHT OF WALL	=	36.000 FT
NUMBER OF INCREMENTS	=	100
INCREMENT LENGTH	=	4.320 IN
MAXIMUM ALLOWABLE DEFLECTION	=	100.000 IN
DEFLECTION CLOSURE TOLERANCE	=	1.000E-05 IN
MAXIMUM NUMBER OF ITERATIONS	=	100

* WALL SECTIONS *

SECT	TOP FT	BOTTOM FT	SECTION
1	0.00000	36.0000	1

* CROSS SECTIONS *

CROSS SECTION : 1
 SECTION NAME : PZ
 TYPE : ELASTIC
 CROSS SECTION TYPE : SHEET PILING
 SOURCE : USS
 SECTION NAME : 1
 WIDTH : 18.0000 IN
 DEPTH : 12.0000 IN
 WEB THICKNESS : 0.37500 IN
 YOUNG MODULUS : 2.90000E+07 LBS/IN**2

* CROSS SECTIONS PROPERTIES *

ELASTIC SECTIONS

SECT	DIAM, IN	I, IN**4
1	18.0000	276.300

* STIFFNESS AND LOAD DATA *

EI - FLEXURAL RIGIDITY, Q - TRANSVERSE LOAD,
 S - STIFFNESS OF TRANSVERSE RESISTANCE,
 T - TORQUE, P - AXIAL LOAD,
 R - STIFFNESS OF TORSIONAL RESISTANCE.

FROM	TO	CONTD	EI	Q	S	T	R	P
			LBS-IN**2	LBS	LBS/IN	IN-LBS	IN-LBS	LBS
0	1		8.013E+09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	0		8.013E+09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 * WALL INFORMATION *

FREE HEIGHT OF WALL = 1.200E+01 FT
 WIDTH FOR EARTH PRESSURE, WA = 1.800E+01 IN
 WIDTH FOR SOIL RESISTANCE, WP = 1.800E+01 IN
 DEPTH TO THE WATER TABLE AT BACKFILL = 1.606E+01 FT
 DEPTH TO THE WATER TABLE AT EXCAVATION = 1.606E+01 FT
 UNIT WEIGHT OF WATER = 3.600E-02 LBS/IN**3
 SLOPE OF THE BACKFILL (deg.) = 0.000E+00
 SLOPE OF THE EXCAVATION GROUND (deg.) = 0.000E+00
 MODIFICATION FOR ACTIVE EARTH PRESSURE = 1.500E+00

 * SURCHARGE INFORMATION *

UNIFORM SURFACE PRESSURE = 2.025E+00 LBS/IN**2

 * SOIL INFORMATION *

LAYER NO.	TOTAL	COHESION/	TOTAL UNIT			
	THICKNESS	STRENGTH	PHI	WEIGHT	DRAINED	ZTOP
	FT	PSI	DEG	PCI	T OR F	FT
1	6.2	5.2	0.0	0.072	T	0.00
2	5.8	0.0	28.0	0.064	T	6.19
3	4.1	0.0	28.0	0.064	T	12.00
4	8.3	0.0	28.0	0.075	T	16.06
5	10.0	10.4	0.0	0.084	F	24.38
6	5.6	31.2	0.0	0.084	F	34.38

* EFFECTIVE OVERBURDEN STRESS *

DEPTH FT	STRESS LBS/IN**2
0.000E+00	2.025E+00
6.190E+00	7.356E+00
1.200E+01	1.179E+01
1.606E+01	1.490E+01
2.438E+01	1.881E+01
3.438E+01	2.456E+01

* ACTIVE AND PASSIVE EARTH PRESSURE COEFFICIENT *

LAYER NO.	ACTIVE EARTH COEFFICIENT	PASSIVE EARTH(*) COEFFICIENT	OPTIONAL EARTH(**) COEFFICIENT
1	1.000E+00	1.000E+00	4.217E-01
2	3.610E-01	2.770E+00	4.217E-01
3	3.610E-01	2.770E+00	0.000E+00
4	3.610E-01	2.770E+00	0.000E+00
5	1.000E+00	1.000E+00	0.000E+00
6	1.000E+00	1.000E+00	0.000E+00

NOTES:

- (*) PASSIVE EARTH COEFFICIENT IS PRINTED ONLY FOR REFERENCE,
IT IS NOT USED FOR ANALYSIS
(**) OPTIONAL EARTH COEFFICIENT IS USED TO ESTIMATE ACTIVE PRESSURE
IF IT IS DIFFERENT THAN ZERO

* ACTIVE EARTH PRESSURE OF EACH LAYER *

LAYER NO	PA1 LBS/IN	Z1 FT	PA2 LBS/IN	Z2 FT	PA3 LBS/IN	Z3 FT	PA4 LBS/IN
1	95.18	3.10	125.23	4.13	0.00	-0.00	0.00
2	324.42	9.10	97.87	10.06	0.00	-0.00	0.00

* GENERATED TRIANGULAR-DISTRIBUTION EARTH PRESSURE

DEPTH FT	ACTIVE EARTH PRESSURE LBS/IN
-----	-----
0.00000E+00	2.30634E+01
5.01892E-01	2.79846E+01

1.00375E+00	3.29058E+01
1.50567E+00	3.78270E+01
2.00758E+00	4.27482E+01
2.50950E+00	4.76694E+01
3.01133E+00	5.25906E+01
3.51325E+00	5.75118E+01
4.01517E+00	6.24330E+01
4.51700E+00	6.73542E+01
5.01892E+00	7.22754E+01
5.52083E+00	7.71966E+01
6.02267E+00	8.21178E+01
6.52200E+00	8.66466E+01
7.02000E+00	9.09774E+01
7.51800E+00	9.53100E+01
8.01600E+00	9.96408E+01
8.51417E+00	1.03973E+02
9.01167E+00	1.08304E+02
9.51000E+00	1.12637E+02
1.00083E+01	1.16968E+02
1.05058E+01	1.21298E+02
1.10042E+01	1.25631E+02
1.15017E+01	1.29962E+02
1.20000E+01	1.34294E+02
1.24975E+01	1.14966E+02
1.29942E+01	1.14966E+02
1.34917E+01	1.14966E+02
1.39883E+01	1.14966E+02
1.44858E+01	1.14966E+02
1.49825E+01	1.14966E+02
1.54800E+01	1.14966E+02
1.59775E+01	1.14966E+02
1.64758E+01	1.14966E+02
1.69750E+01	1.14966E+02
1.74742E+01	1.14966E+02
1.79733E+01	1.14966E+02
1.84725E+01	1.14966E+02
1.89717E+01	1.14966E+02
1.94708E+01	1.14966E+02
1.99700E+01	1.14966E+02
2.04700E+01	1.14966E+02
2.09692E+01	1.14966E+02
2.14683E+01	1.14966E+02
2.19675E+01	1.14966E+02
2.24667E+01	1.14966E+02
2.29658E+01	1.14966E+02
2.34650E+01	1.14966E+02
2.39642E+01	1.14966E+02
2.44633E+01	5.31000E-09
2.49633E+01	5.41800E-09
2.54633E+01	5.52600E-09

2.59633E+01	5.63400E-09
2.64633E+01	5.74200E-09
2.69633E+01	5.85000E-09
2.74633E+01	5.95800E-09
2.79633E+01	6.06600E-09
2.84633E+01	6.17400E-09
2.89633E+01	6.28200E-09
2.94633E+01	6.39000E-09
2.99633E+01	6.49800E-09
3.04633E+01	6.60600E-09
3.09633E+01	6.71400E-09
3.14633E+01	6.82200E-09
3.19633E+01	6.93000E-09
3.24633E+01	7.03800E-09
3.29633E+01	7.14600E-09
3.34633E+01	7.25400E-09
3.39633E+01	7.36200E-09
3.44642E+01	7.47000E-09
3.49675E+01	7.57800E-09
3.54708E+01	7.68600E-09
3.59733E+01	7.79400E-09

 * SOIL LAYERS AND STRENGTH DATA *

X AT THE SURFACE OF EXCAVATION SIDE = 12.00 FT

4 LAYER(S) OF SOIL

LAYER 1
 THE SOIL IS A SAND

LAYER 2
 THE SOIL IS A SAND

LAYER 3
 THE SOIL IS A STIFF CLAY WITH FREE WATER

LAYER 4
 THE SOIL IS A STIFF CLAY WITH FREE WATER

DISTRIBUTION OF EFFECTIVE UNIT WEIGHT WITH DEPTH
 8 POINTS

X, FT	WEIGHT, LBS/IN**3
12.0000	6.3657E-02

16.0600	6.3657E-02
16.0600	3.9231E-02
24.3800	3.9231E-02
24.3800	4.7912E-02
34.3800	4.7912E-02
34.3800	4.7912E-02
40.0000	4.7912E-02

DISTRIBUTION OF STRENGTH PARAMETERS WITH DEPTH
8 POINTS

X, FT	C, LBS/IN**2	PHI, DEGREE	E50	KPY, LBS/IN**3
12.00	0.0000E+00	28.000	0.0000E+00	2.5000E+01
16.06	0.0000E+00	28.000	0.0000E+00	2.5000E+01
16.06	0.0000E+00	28.000	0.0000E+00	2.5000E+01
24.38	0.0000E+00	28.000	0.0000E+00	2.5000E+01
24.38	1.0417E+01	0.000	1.0000E-02	3.5000E+02
34.38	1.0417E+01	0.000	1.0000E-02	3.5000E+02
34.38	3.1250E+01	0.000	4.0000E-03	1.5000E+03
36.72	3.1250E+01	0.000	4.0000E-03	1.5000E+03

P-Y CURVES DATA

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
0.01	18.00	28.00	6.37E-02	2.50E+01	2.82	2.13	4.96E-01

Y IN	P LBS/IN
0.000	0.000
0.012	0.031
0.025	0.062
0.047	0.118
0.070	0.174
0.092	0.230
0.114	0.286
0.137	0.342
0.159	0.398
0.182	0.454
0.204	0.510
0.226	0.566
0.249	0.622
0.352	0.881

0.456	1.140
0.560	1.400
0.672	1.400

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
12.01	18.00	28.00	6.78E-02	2.50E+01	0.88	0.50	9.19E+02

Y IN	P LBS/IN
0.000	0.000
0.010	36.025
0.020	72.050
0.038	136.895
0.056	201.740
0.074	250.960
0.092	286.481
0.110	319.359
0.128	350.184
0.146	379.349
0.164	407.134
0.182	433.746
0.200	459.344
0.283	575.712
0.367	692.079
0.450	808.446
0.540	808.446

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
1.01	18.00	28.00	6.37E-02	2.50E+01	2.10	1.53	6.04E+01

Y IN	P LBS/IN
0.000	0.000
0.010	3.045
0.020	6.090
0.038	11.571

0.056	17.052
0.074	22.533
0.092	28.014
0.110	33.495
0.128	38.976
0.146	44.457
0.164	49.938
0.182	55.419
0.200	60.900
0.283	86.275
0.367	111.650
0.450	126.732
0.540	126.732

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
13.02	18.00	28.00	6.75E-02	2.50E+01	0.88	0.50	9.79E+02

Y IN	P LBS/IN
0.000	0.000
0.010	39.045
0.020	78.090
0.038	148.371
0.056	218.652
0.074	267.314
0.092	305.149
0.110	340.170
0.128	373.004
0.146	404.069
0.164	433.665
0.182	462.012
0.200	489.278
0.283	613.228
0.367	737.179
0.450	861.129
0.540	861.129

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
2.03	18.00	28.00	6.37E-02	2.50E+01	1.47	1.04	1.21E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	6.090
0.020	12.180
0.038	23.142
0.056	34.104
0.074	45.066
0.092	56.028
0.110	66.990
0.128	77.952
0.146	88.914
0.164	99.876
0.182	110.838
0.200	121.800
0.283	142.545
0.367	159.704
0.450	176.864
0.540	176.864

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
14.03	18.00	28.00	6.72E-02	2.50E+01	0.88	0.50	1.04E+03

Y	P
IN	LBS/IN
0.000	0.000
0.010	42.090
0.020	84.180
0.038	159.942
0.056	235.704
0.074	283.804
0.092	323.973
0.110	361.154
0.128	396.013
0.146	428.995
0.164	460.416
0.182	490.511
0.200	519.460
0.283	651.056

0.367	782.652
0.450	914.249
0.540	914.249

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
3.04	18.00	28.00	6.37E-02	2.50E+01	1.05	0.70	1.81E+02

Y IN	P LBS/IN
0.000	0.000
0.010	9.135
0.020	18.270
0.038	34.713
0.056	51.156
0.074	67.599
0.092	84.042
0.110	100.075
0.128	106.329
0.146	112.074
0.164	117.408
0.182	122.401
0.200	127.106
0.283	148.288
0.367	169.469
0.450	190.650
0.540	190.650

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
15.04	18.00	28.00	6.70E-02	2.50E+01	0.88	0.50	1.10E+03

Y IN	P LBS/IN
0.000	0.000
0.010	45.135
0.020	90.270
0.038	171.513

0.056	252.756
0.074	300.293
0.092	342.796
0.110	382.137
0.128	419.022
0.146	453.920
0.164	487.167
0.182	519.011
0.200	549.641
0.283	688.883
0.367	828.126
0.450	967.368
0.540	967.368

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
4.05	18.00	28.00	6.37E-02	2.50E+01	0.90	0.53	2.41E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	12.155
0.020	24.310
0.038	46.189
0.056	62.352
0.074	72.902
0.092	82.372
0.110	91.056
0.128	99.135
0.146	106.728
0.164	113.920
0.182	120.773
0.200	127.333
0.283	157.093
0.367	186.852
0.450	216.612
0.540	216.612

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
16.05	18.00	28.00	6.68E-02	2.50E+01	0.88	0.50	1.16E+03

Y	P
IN	LBS/IN
0.000	0.000
0.010	48.155
0.020	96.310
0.038	182.989
0.056	267.289
0.074	316.648
0.092	361.465
0.110	402.949
0.128	441.842
0.146	478.641
0.164	513.698
0.182	547.276
0.200	579.575
0.283	726.400
0.367	873.226
0.450	1020.051
0.540	1020.051

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
4.07	18.00	28.00	6.36E-02	2.50E+01	0.90	0.53	2.42E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	10.920
0.020	21.839
0.038	41.494
0.056	61.149
0.074	73.019
0.092	82.517
0.110	91.230
0.128	99.336
0.146	106.955
0.164	114.173
0.182	121.050
0.200	127.636
0.283	157.508

0.367	187.379
0.450	217.251
0.540	217.251

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
16.07	18.00	28.00	6.68E-02	2.50E+01	0.88	0.50	1.16E+03

Y IN	P LBS/IN
0.000	0.000
0.010	46.920
0.020	93.839
0.038	178.294
0.056	262.749
0.074	316.866
0.092	361.715
0.110	403.227
0.128	442.147
0.146	478.972
0.164	514.053
0.182	547.654
0.200	579.975
0.283	726.902
0.367	873.829
0.450	1020.756
0.540	1020.756

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
6.14	18.00	28.00	5.54E-02	2.50E+01	0.88	0.50	3.18E+02

Y IN	P LBS/IN
0.000	0.000
0.014	24.099
0.028	48.198
0.045	64.409

0.063	78.316
0.080	90.782
0.097	102.227
0.114	112.899
0.131	122.956
0.148	132.509
0.166	141.636
0.183	150.398
0.200	158.843
0.283	199.084
0.367	239.324
0.450	279.564
0.540	279.564

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
18.14	18.00	28.00	6.36E-02	2.50E+01	0.88	0.50	1.24E+03

Y IN	P LBS/IN
0.000	0.000
0.010	53.135
0.020	106.269
0.038	201.911
0.056	284.983
0.074	337.608
0.092	385.392
0.110	429.622
0.128	471.090
0.146	510.325
0.164	547.703
0.182	583.503
0.200	617.940
0.283	774.485
0.367	931.030
0.450	1087.574
0.540	1087.574

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
8.22	18.00	28.00	5.13E-02	2.50E+01	0.88	0.50	3.94E+02

Y	P
IN	LBS/IN
0.000	0.000
0.011	25.770
0.022	51.539
0.040	73.854
0.058	92.442
0.075	108.872
0.093	123.835
0.111	137.711
0.129	150.738
0.147	163.076
0.164	174.839
0.182	186.112
0.200	196.961
0.283	246.858
0.367	296.754
0.450	346.651
0.540	346.651

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
20.22	18.00	28.00	6.11E-02	2.50E+01	0.88	0.50	1.31E+03

Y	P
IN	LBS/IN
0.000	0.000
0.010	59.375
0.020	118.749
0.038	225.623
0.056	302.562
0.074	358.433
0.092	409.165
0.110	456.123
0.128	500.149
0.146	541.804
0.164	581.488
0.182	619.497
0.200	656.057
0.283	822.259

0.367	988.460
0.450	1154.661
0.540	1154.661

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
10.30	18.00	28.00	4.89E-02	2.50E+01	0.88	0.50	4.70E+02

Y IN	P LBS/IN
0.000	0.000
0.009	28.036
0.019	56.073
0.037	84.323
0.055	107.407
0.073	127.645
0.091	145.991
0.109	162.956
0.128	178.850
0.146	193.880
0.164	208.194
0.182	221.899
0.200	235.078
0.283	294.631
0.367	354.185
0.450	413.738
0.540	413.738

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
22.30	18.00	28.00	5.91E-02	2.50E+01	0.88	0.50	1.39E+03

Y IN	P LBS/IN
0.000	0.000
0.020	129.267
0.039	258.533
0.055	318.266

0.072	371.484
0.088	420.174
0.104	465.464
0.120	508.073
0.136	548.491
0.152	587.072
0.168	624.083
0.184	659.730
0.200	694.175
0.283	870.032
0.367	1045.890
0.450	1221.748
0.540	1221.748

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
12.37	18.00	28.00	4.72E-02	2.50E+01	0.88	0.50	5.46E+02

Y IN	P LBS/IN
0.000	0.000
0.009	30.568
0.017	61.135
0.035	95.208
0.054	122.683
0.072	146.642
0.090	168.299
0.109	188.288
0.127	206.992
0.145	224.664
0.163	241.481
0.182	257.574
0.200	273.043
0.283	342.214
0.367	411.385
0.450	480.556
0.540	480.556

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
24.37	18.00	28.00	5.74E-02	2.50E+01	0.88	0.50	1.46E+03

Y	P
IN	LBS/IN
0.000	0.000
0.018	128.682
0.036	257.365
0.052	323.704
0.069	382.207
0.085	435.417
0.101	484.723
0.118	530.984
0.134	574.779
0.151	616.519
0.167	656.510
0.184	694.989
0.200	732.140
0.283	917.615
0.367	1103.090
0.450	1288.566
0.540	1288.566

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	12.39	18.000	1.04E+01	1.04E+01	4.72E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	137.318
0.072	194.197
0.108	226.247
0.144	247.058
0.180	261.273
0.216	270.768
0.252	276.616
0.288	279.511
0.324	279.933
0.360	278.234

0.396	274.684
0.432	269.492
0.720	194.390
1.008	119.178
1.296	43.966
10.800	43.966

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	24.39	18.000	1.04E+01	1.04E+01	5.74E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	195.456
0.072	276.417
0.108	322.036
0.144	351.659
0.180	371.892
0.216	385.407
0.252	393.732
0.288	397.852
0.324	398.452
0.360	396.034
0.396	390.981
0.432	383.590
0.720	276.692
1.008	169.636
1.296	62.580
10.800	62.580

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3						

14.88 18.000 1.04E+01 1.04E+01 4.74E-02 1.0000E-02
 3.50000E+02

Y	P
IN	LBS/IN
0.000	0.000
0.036	144.380
0.072	204.184
0.108	237.882
0.144	259.764
0.180	274.709
0.216	284.693
0.252	290.842
0.288	293.885
0.324	294.329
0.360	292.543
0.396	288.810
0.432	283.351
0.720	204.387
1.008	125.307
1.296	46.227
10.800	46.227

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY DEPTH BELOW GS DIAM C CAVG GAMMA AVG E50
 FT IN LBS/IN**2 LBS/IN**2 LBS/IN**3
 LBS/IN**3
 26.88 18.000 1.04E+01 1.22E+01 5.65E-02 1.0000E-02
 3.50000E+02

Y	P
IN	LBS/IN
0.000	0.000
0.036	202.518
0.072	286.404
0.108	333.672
0.144	364.365
0.180	385.328
0.216	399.332
0.252	407.957
0.288	412.226
0.324	412.848
0.360	410.343
0.396	405.107

0.432	397.449
0.720	286.689
1.008	175.765
1.296	64.841
10.800	64.841

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	17.38	18.000	1.04E+01	4.07E+01	4.74E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	151.465
0.072	214.205
0.108	249.556
0.144	272.512
0.180	288.191
0.216	298.664
0.252	305.115
0.288	308.308
0.324	308.773
0.360	306.900
0.396	302.983
0.432	297.256
0.720	214.417
1.008	131.456
1.296	48.495
10.800	48.495

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	29.38	18.000	1.04E+01	2.08E+01	5.58E-02	1.0000E-02

3.50000E+02

Y	P
IN	LBS/IN
0.000	0.000
0.036	209.604
0.072	296.425
0.108	345.346
0.144	377.113
0.180	398.810
0.216	413.303
0.252	422.230
0.288	426.648
0.324	427.292
0.360	424.700
0.396	419.280
0.432	411.355
0.720	296.719
1.008	181.914
1.296	67.110
10.800	67.110

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	19.88	18.000	1.04E+01	5.07E+01	4.75E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	158.551
0.072	224.225
0.108	261.230
0.144	285.260
0.180	301.672
0.216	312.635
0.252	319.388
0.288	322.730
0.324	323.217
0.360	321.256
0.396	317.157
0.432	311.162

0.720	224.448
1.008	137.606
1.296	50.764
10.800	50.764

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	31.88	18.000	1.04E+01	2.72E+01	5.52E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	216.689
0.072	306.445
0.108	357.020
0.144	389.861
0.180	412.291
0.216	427.274
0.252	436.503
0.288	441.071
0.324	441.737
0.360	439.056
0.396	433.454
0.432	425.260
0.720	306.750
1.008	188.064
1.296	69.378
10.800	69.378

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	22.37	18.000	1.04E+01	5.58E+01	4.75E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	165.613
0.072	234.212
0.108	272.866
0.144	297.965
0.180	315.109
0.216	326.560
0.252	333.614
0.288	337.105
0.324	337.614
0.360	335.565
0.396	331.283
0.432	325.021
0.720	234.445
1.008	143.735
1.296	53.025
10.800	53.025

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	34.37	18.000	1.04E+01	3.22E+01	5.46E-02	1.0000E-02
3.50000E+02						

Y	P
IN	LBS/IN
0.000	0.000
0.036	223.751
0.072	316.432
0.108	368.655
0.144	402.566
0.180	425.728
0.216	441.199
0.252	450.729
0.288	455.445
0.324	456.133
0.360	453.365
0.396	447.580
0.432	439.120
0.720	316.746

1.008	194.193
1.296	71.639
10.800	71.639

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	22.39	18.000	3.12E+01	3.12E+01	4.75E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	371.056
0.029	524.752
0.043	611.356
0.058	667.592
0.072	706.002
0.086	731.659
0.101	747.463
0.115	755.284
0.130	756.424
0.144	751.835
0.158	742.241
0.173	728.210
0.288	525.274
0.403	322.038
0.518	118.803
4.320	118.803

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	34.39	18.000	3.12E+01	3.12E+01	5.46E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	429.194
0.029	606.972
0.043	707.146
0.058	772.193
0.072	816.621
0.086	846.298
0.101	864.578
0.115	873.625
0.130	874.943
0.144	869.635
0.158	858.537
0.173	842.309
0.288	607.576
0.403	372.496
0.518	137.417
4.320	137.417

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	22.96	18.000	3.12E+01	3.12E+01	4.76E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	372.690
0.029	527.064
0.043	614.049
0.058	670.533
0.072	709.112
0.086	734.882
0.101	750.755
0.115	758.611
0.130	759.756
0.144	755.146
0.158	745.510
0.173	731.418
0.288	527.588
0.403	323.457

0.518	119.326
4.320	119.326

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	34.96	18.000	3.12E+01	3.27E+01	5.45E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	430.829
0.029	609.284
0.043	709.838
0.058	775.133
0.072	819.730
0.086	849.521
0.101	867.870
0.115	876.952
0.130	878.275
0.144	872.946
0.158	861.807
0.173	845.517
0.288	609.889
0.403	373.915
0.518	137.940
4.320	137.940

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	23.55	18.000	3.12E+01	3.70E+02	4.76E-02	4.0000E-03
1.50000E+03						

Y	P
---	---

IN	LBS/IN
0.000	0.000
0.014	374.348
0.029	529.409
0.043	616.781
0.058	673.516
0.072	712.266
0.086	738.151
0.101	754.095
0.115	761.986
0.130	763.136
0.144	758.506
0.158	748.827
0.173	734.672
0.288	529.935
0.403	324.896
0.518	119.857
4.320	119.857

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	35.55	18.000	3.12E+01	6.25E+01	5.44E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	432.487
0.029	611.629
0.043	712.570
0.058	778.116
0.072	822.885
0.086	852.790
0.101	871.210
0.115	880.326
0.130	881.655
0.144	876.306
0.158	865.123
0.173	848.770
0.288	612.237
0.403	375.354
0.518	138.471

4.320 138.471

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	24.14	18.000	3.12E+01	4.81E+02	4.76E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	376.006
0.029	531.753
0.043	619.512
0.058	676.499
0.072	715.421
0.086	741.420
0.101	757.435
0.115	765.361
0.130	766.516
0.144	761.865
0.158	752.143
0.173	737.926
0.288	532.282
0.403	326.335
0.518	120.388
4.320	120.388

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	36.13	18.000	3.12E+01	8.98E+01	5.43E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN

0.000	0.000
0.014	434.145
0.029	613.973
0.043	715.302
0.058	781.100
0.072	826.040
0.086	856.059
0.101	874.550
0.115	883.701
0.130	885.035
0.144	879.665
0.158	868.440
0.173	852.024
0.288	614.584
0.403	376.793
0.518	139.002
4.320	139.002

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
LBS/IN**3	24.71	18.000	3.12E+01	5.39E+02	4.76E-02	4.0000E-03
1.50000E+03						

Y	P
IN	LBS/IN
0.000	0.000
0.014	377.641
0.029	534.065
0.043	622.205
0.058	679.439
0.072	718.531
0.086	744.643
0.101	760.727
0.115	768.688
0.130	769.848
0.144	765.177
0.158	755.412
0.173	741.133
0.288	534.596
0.403	327.753
0.518	120.911
4.320	120.911

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

KPY	DEPTH BELOW GS	DIAM	C	CAVG	GAMMA	AVG	E50
	FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3		
LBS/IN**3	36.71	18.000	3.12E+01	1.15E+02	5.42E-02	4.0000E-03	
1.5000E+03							

Y	P
IN	LBS/IN
0.000	0.000
0.014	435.779
0.029	616.285
0.043	717.995
0.058	784.040
0.072	829.150
0.086	859.282
0.101	877.842
0.115	887.028
0.130	888.367
0.144	882.977
0.158	871.709
0.173	855.232
0.288	616.897
0.403	378.211
0.518	139.525
4.320	139.525

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

New Wall

RESULTS

NUMBER OF ITERATIONS : 8

***** ANALYSIS COMPLETED *****

STA I	X	DEFL.	SLOPE	MOMENT	SHEAR	SOIL_REACT
NET_FORCE/STA	EI					
	FT	IN	RAD	LBS-IN	LBS	LBS/IN
LBS	LBS-IN**2					

-----	-----					
0	0.000E+00	7.721E+00	-3.305E-02	-3.813E-07	-1.765E-07	0.000E+00
-8.827E-08	8.013E+09					
1	3.600E-01	7.578E+00	-3.305E-02	-1.144E-06	5.744E+01	0.000E+00
1.149E+02	8.013E+09					
2	7.200E-01	7.435E+00	-3.305E-02	4.963E+02	1.799E+02	0.000E+00
1.301E+02	8.013E+09					
3	1.080E+00	7.292E+00	-3.305E-02	1.555E+03	3.177E+02	0.000E+00
1.454E+02	8.013E+09					
4	1.440E+00	7.150E+00	-3.305E-02	3.241E+03	4.707E+02	0.000E+00
1.606E+02	8.013E+09					
5	1.800E+00	7.007E+00	-3.304E-02	5.622E+03	6.390E+02	0.000E+00
1.759E+02	8.013E+09					
6	2.160E+00	6.864E+00	-3.304E-02	8.762E+03	8.225E+02	0.000E+00
1.911E+02	8.013E+09					
7	2.520E+00	6.721E+00	-3.303E-02	1.273E+04	1.021E+03	0.000E+00
2.064E+02	8.013E+09					
8	2.880E+00	6.579E+00	-3.303E-02	1.759E+04	1.235E+03	0.000E+00
2.216E+02	8.013E+09					
9	3.240E+00	6.436E+00	-3.302E-02	2.340E+04	1.464E+03	0.000E+00
2.369E+02	8.013E+09					
10	3.600E+00	6.293E+00	-3.300E-02	3.024E+04	1.709E+03	0.000E+00
2.521E+02	8.013E+09					
11	3.960E+00	6.151E+00	-3.298E-02	3.817E+04	1.969E+03	0.000E+00
2.674E+02	8.013E+09					
12	4.320E+00	6.008E+00	-3.296E-02	4.725E+04	2.244E+03	0.000E+00
2.826E+02	8.013E+09					
13	4.680E+00	5.866E+00	-3.293E-02	5.755E+04	2.534E+03	0.000E+00
2.979E+02	8.013E+09					
14	5.040E+00	5.724E+00	-3.290E-02	6.914E+04	2.839E+03	0.000E+00
3.131E+02	8.013E+09					
15	5.400E+00	5.582E+00	-3.286E-02	8.208E+04	3.160E+03	0.000E+00
3.284E+02	8.013E+09					
16	5.760E+00	5.440E+00	-3.281E-02	9.645E+04	3.496E+03	0.000E+00
3.436E+02	8.013E+09					
17	6.120E+00	5.298E+00	-3.275E-02	1.123E+05	3.847E+03	0.000E+00
3.589E+02	8.013E+09					
18	6.480E+00	5.157E+00	-3.269E-02	1.297E+05	4.213E+03	0.000E+00
3.727E+02	8.013E+09					
19	6.840E+00	5.016E+00	-3.261E-02	1.487E+05	4.593E+03	0.000E+00
3.863E+02	8.013E+09					
20	7.200E+00	4.875E+00	-3.253E-02	1.694E+05	4.986E+03	0.000E+00
3.998E+02	8.013E+09					
21	7.560E+00	4.735E+00	-3.243E-02	1.918E+05	5.392E+03	0.000E+00
4.133E+02	8.013E+09					
22	7.920E+00	4.595E+00	-3.232E-02	2.160E+05	5.812E+03	0.000E+00
4.268E+02	8.013E+09					
23	8.280E+00	4.456E+00	-3.220E-02	2.420E+05	6.246E+03	0.000E+00
4.404E+02	8.013E+09					
24	8.640E+00	4.317E+00	-3.206E-02	2.699E+05	6.693E+03	0.000E+00

4.539E+02	8.013E+09						
25	9.000E+00	4.179E+00	-3.190E-02	2.998E+05	7.154E+03	0.000E+00	
4.674E+02	8.013E+09						
26	9.360E+00	4.041E+00	-3.173E-02	3.317E+05	7.628E+03	0.000E+00	
4.809E+02	8.013E+09						
27	9.720E+00	3.905E+00	-3.155E-02	3.657E+05	8.116E+03	0.000E+00	
4.945E+02	8.013E+09						
28	1.008E+01	3.769E+00	-3.134E-02	4.019E+05	8.617E+03	0.000E+00	
5.080E+02	8.013E+09						
29	1.044E+01	3.634E+00	-3.111E-02	4.402E+05	9.132E+03	0.000E+00	
5.215E+02	8.013E+09						
30	1.080E+01	3.500E+00	-3.086E-02	4.808E+05	9.660E+03	0.000E+00	
5.351E+02	8.013E+09						
31	1.116E+01	3.367E+00	-3.059E-02	5.236E+05	1.020E+04	0.000E+00	
5.486E+02	8.013E+09						
32	1.152E+01	3.236E+00	-3.030E-02	5.689E+05	1.076E+04	0.000E+00	
5.621E+02	8.013E+09						
33	1.188E+01	3.105E+00	-2.998E-02	6.166E+05	1.132E+04	-7.000E-01	
5.726E+02	8.013E+09						
34	1.224E+01	2.977E+00	-2.963E-02	6.667E+05	1.177E+04	-4.317E+01	
3.102E+02	8.013E+09						
35	1.260E+01	2.849E+00	-2.926E-02	7.182E+05	1.199E+04	-8.493E+01	
1.297E+02	8.013E+09						
36	1.296E+01	2.724E+00	-2.886E-02	7.703E+05	1.203E+04	-1.267E+02	
-5.069E+01	8.013E+09						
37	1.332E+01	2.600E+00	-2.843E-02	8.221E+05	1.194E+04	-1.434E+02	
-1.230E+02	8.013E+09						
38	1.368E+01	2.478E+00	-2.797E-02	8.734E+05	1.178E+04	-1.602E+02	
-1.953E+02	8.013E+09						
39	1.404E+01	2.358E+00	-2.749E-02	9.239E+05	1.155E+04	-1.769E+02	
-2.676E+02	8.013E+09						
40	1.440E+01	2.241E+00	-2.698E-02	9.732E+05	1.127E+04	-1.815E+02	
-2.874E+02	8.013E+09						
41	1.476E+01	2.125E+00	-2.644E-02	1.021E+06	1.097E+04	-1.861E+02	
-3.073E+02	8.013E+09						
42	1.512E+01	2.012E+00	-2.587E-02	1.068E+06	1.066E+04	-1.907E+02	
-3.272E+02	8.013E+09						
43	1.548E+01	1.902E+00	-2.529E-02	1.113E+06	1.031E+04	-1.993E+02	
-3.645E+02	8.013E+09						
44	1.584E+01	1.794E+00	-2.467E-02	1.157E+06	9.927E+03	-2.080E+02	
-4.018E+02	8.013E+09						
45	1.620E+01	1.689E+00	-2.404E-02	1.199E+06	9.507E+03	-2.166E+02	
-4.391E+02	8.013E+09						
46	1.656E+01	1.586E+00	-2.338E-02	1.239E+06	9.040E+03	-2.292E+02	
-4.935E+02	8.013E+09						
47	1.692E+01	1.487E+00	-2.270E-02	1.277E+06	8.520E+03	-2.418E+02	
-5.479E+02	8.013E+09						
48	1.728E+01	1.390E+00	-2.201E-02	1.313E+06	7.945E+03	-2.544E+02	
-6.024E+02	8.013E+09						
49	1.764E+01	1.296E+00	-2.129E-02	1.346E+06	7.315E+03	-2.670E+02	

-6.568E+02	8.013E+09					
50	1.800E+01	1.206E+00	-2.055E-02	1.376E+06	6.631E+03	-2.796E+02
-7.112E+02	8.013E+09					
51	1.836E+01	1.119E+00	-1.981E-02	1.403E+06	5.896E+03	-2.908E+02
-7.595E+02	8.013E+09					
52	1.872E+01	1.035E+00	-1.904E-02	1.427E+06	5.112E+03	-3.020E+02
-8.078E+02	8.013E+09					
53	1.908E+01	9.543E-01	-1.827E-02	1.447E+06	4.280E+03	-3.131E+02
-8.562E+02	8.013E+09					
54	1.944E+01	8.771E-01	-1.748E-02	1.464E+06	3.400E+03	-3.243E+02
-9.045E+02	8.013E+09					
55	1.980E+01	8.032E-01	-1.669E-02	1.477E+06	2.471E+03	-3.355E+02
-9.528E+02	8.013E+09					
56	2.016E+01	7.329E-01	-1.589E-02	1.485E+06	1.494E+03	-3.467E+02
-1.001E+03	8.013E+09					
57	2.052E+01	6.659E-01	-1.509E-02	1.490E+06	4.688E+02	-3.579E+02
-1.049E+03	8.013E+09					
58	2.088E+01	6.025E-01	-1.429E-02	1.489E+06	-6.046E+02	-3.690E+02
-1.098E+03	8.013E+09					
59	2.124E+01	5.425E-01	-1.349E-02	1.484E+06	-1.726E+03	-3.802E+02
-1.146E+03	8.013E+09					
60	2.160E+01	4.860E-01	-1.269E-02	1.474E+06	-2.896E+03	-3.914E+02
-1.194E+03	8.013E+09					
61	2.196E+01	4.329E-01	-1.190E-02	1.459E+06	-4.089E+03	-3.906E+02
-1.191E+03	8.013E+09					
62	2.232E+01	3.832E-01	-1.112E-02	1.439E+06	-5.226E+03	-3.660E+02
-1.084E+03	8.013E+09					
63	2.268E+01	3.368E-01	-1.035E-02	1.414E+06	-6.258E+03	-3.418E+02
-9.800E+02	8.013E+09					
64	2.304E+01	2.938E-01	-9.592E-03	1.385E+06	-7.188E+03	-3.184E+02
-8.787E+02	8.013E+09					
65	2.340E+01	2.540E-01	-8.854E-03	1.352E+06	-8.018E+03	-2.957E+02
-7.809E+02	8.013E+09					
66	2.376E+01	2.173E-01	-8.134E-03	1.316E+06	-8.752E+03	-2.741E+02
-6.873E+02	8.013E+09					
67	2.412E+01	1.837E-01	-7.436E-03	1.276E+06	-9.394E+03	-2.533E+02
-5.974E+02	8.013E+09					
68	2.448E+01	1.530E-01	-6.759E-03	1.235E+06	-1.019E+04	-2.320E+02
-1.002E+03	8.013E+09					
69	2.484E+01	1.253E-01	-6.106E-03	1.188E+06	-1.115E+04	-2.116E+02
-9.141E+02	8.013E+09					
70	2.520E+01	1.003E-01	-5.478E-03	1.138E+06	-1.203E+04	-1.940E+02
-8.381E+02	8.013E+09					
71	2.556E+01	7.796E-02	-4.879E-03	1.084E+06	-1.283E+04	-1.778E+02
-7.679E+02	8.013E+09					
72	2.592E+01	5.814E-02	-4.310E-03	1.027E+06	-1.356E+04	-1.586E+02
-6.853E+02	8.013E+09					
73	2.628E+01	4.072E-02	-3.772E-03	9.674E+05	-1.420E+04	-1.382E+02
-5.972E+02	8.013E+09					
74	2.664E+01	2.555E-02	-3.267E-03	9.047E+05	-1.471E+04	-9.884E+01

-4.270E+02	8.013E+09					
75	2.700E+01	1.249E-02	-2.797E-03	8.403E+05	-1.503E+04	-5.009E+01
-2.164E+02	8.013E+09					
76	2.736E+01	1.384E-03	-2.362E-03	7.748E+05	-1.515E+04	-5.592E+00
-2.416E+01	8.013E+09					
77	2.772E+01	-7.916E-03	-1.962E-03	7.093E+05	-1.507E+04	4.497E+01
1.943E+02	8.013E+09					
78	2.808E+01	-1.556E-02	-1.597E-03	6.447E+05	-1.478E+04	8.886E+01
3.839E+02	8.013E+09					
79	2.844E+01	-2.171E-02	-1.266E-03	5.816E+05	-1.432E+04	1.246E+02
5.381E+02	8.013E+09					
80	2.880E+01	-2.650E-02	-9.687E-04	5.210E+05	-1.372E+04	1.528E+02
6.601E+02	8.013E+09					
81	2.916E+01	-3.008E-02	-7.035E-04	4.631E+05	-1.301E+04	1.743E+02
7.529E+02	8.013E+09					
82	2.952E+01	-3.258E-02	-4.685E-04	4.085E+05	-1.223E+04	1.897E+02
8.194E+02	8.013E+09					
83	2.988E+01	-3.413E-02	-2.620E-04	3.575E+05	-1.139E+04	1.997E+02
8.625E+02	8.013E+09					
84	3.024E+01	-3.484E-02	-8.202E-05	3.102E+05	-1.051E+04	2.048E+02
8.848E+02	8.013E+09					
85	3.060E+01	-3.484E-02	7.348E-05	2.667E+05	-9.625E+03	2.058E+02
8.889E+02	8.013E+09					
86	3.096E+01	-3.421E-02	2.066E-04	2.270E+05	-8.742E+03	2.030E+02
8.771E+02	8.013E+09					
87	3.132E+01	-3.305E-02	3.193E-04	1.911E+05	-7.877E+03	1.971E+02
8.514E+02	8.013E+09					
88	3.168E+01	-3.145E-02	4.136E-04	1.589E+05	-7.045E+03	1.884E+02
8.140E+02	8.013E+09					
89	3.204E+01	-2.948E-02	4.916E-04	1.303E+05	-6.254E+03	1.774E+02
7.665E+02	8.013E+09					
90	3.240E+01	-2.720E-02	5.550E-04	1.049E+05	-5.516E+03	1.646E+02
7.112E+02	8.013E+09					
91	3.276E+01	-2.468E-02	6.055E-04	8.261E+04	-4.835E+03	1.502E+02
6.488E+02	8.013E+09					
92	3.312E+01	-2.197E-02	6.448E-04	6.312E+04	-4.221E+03	1.344E+02
5.807E+02	8.013E+09					
93	3.348E+01	-1.911E-02	6.743E-04	4.615E+04	-3.676E+03	1.176E+02
5.078E+02	8.013E+09					
94	3.384E+01	-1.614E-02	6.952E-04	3.136E+04	-3.207E+03	9.983E+01
4.313E+02	8.013E+09					
95	3.420E+01	-1.310E-02	7.086E-04	1.844E+04	-2.815E+03	8.147E+01
3.519E+02	8.013E+09					
96	3.456E+01	-1.002E-02	7.155E-04	7.035E+03	-1.994E+03	2.987E+02
1.290E+03	8.013E+09					
97	3.492E+01	-6.923E-03	7.177E-04	1.208E+03	-9.016E+02	2.071E+02
8.947E+02	8.013E+09					
98	3.528E+01	-3.821E-03	7.178E-04	-7.546E+02	-2.068E+02	1.145E+02
4.948E+02	8.013E+09					
99	3.564E+01	-7.209E-04	7.175E-04	-5.793E+02	8.734E+01	2.165E+01

9.354E+01	8.013E+09						
100	3.600E+01	2.378E-03	7.173E-04	-3.724E-10	6.705E+01	-3.104E+01	
-1.341E+02	8.013E+09						

END OF ANALYSIS