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PYWALL for Windows, Version 2022.7.5

Serial Number : 447597562

A Program for the Analysis of
Flexible Retaining Walls
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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_RA Strength with water.py7d
Name of output file : Temp Shoring_RA Strength with water.py7o
Name of plot output file : Temp Shoring_RA Strength with water.py7p

Time and Date of Analysis

Date: December 19, 2025 Time: 10:55:06

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	=	40.100 FT
NUMBER OF INCREMENTS	=	100
INCREMENT LENGTH	=	4.812 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	40.1000	1

* CROSS SECTIONS *

CROSS SECTION : 1
 SECTION NAME : PZ
 TYPE : ELASTIC
 CROSS SECTION TYPE : SHEET PILING
 SOURCE : USS
 SECTION NAME : PZ
 WIDTH : 19.6900 IN
 DEPTH : 16.1000 IN
 WEB THICKNESS : 0.50000 IN
 YOUNG MODULUS : 2.90000E+07 LBS/IN**2

* CROSS SECTIONS PROPERTIES *

ELASTIC SECTIONS

SECT	DIAM, IN	I, IN**4
1	19.6900	805.400

 * 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 LBS-IN**2	Q LBS	S LBS/IN	T IN-LBS	R IN-LBS	P LBS
0	1		2.336E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	0		2.336E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 * WALL INFORMATION *

FREE HEIGHT OF WALL = 1.220E+01 FT
 WIDTH FOR EARTH PRESSURE, WA = 1.969E+01 IN
 WIDTH FOR SOIL RESISTANCE, WP = 1.969E+01 IN
 DEPTH TO THE WATER TABLE AT BACKFILL = 9.500E+00 FT
 DEPTH TO THE WATER TABLE AT EXCAVATION = 1.220E+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 THICKNESS	COHESION/ STRENGTH	TOTAL UNIT			
	FT	PSI	PHI DEG	WEIGHT PCI	DRAINED T OR F	ZTOP FT
1	9.5	5.2	0.0	0.072	T	0.00
2	1.8	1.7	0.0	0.084	T	9.50
3	0.9	0.0	28.0	0.075	T	11.28
4	6.4	0.0	28.0	0.075	T	12.20
5	4.5	5.2	0.0	0.084	F	18.58
6	10.0	10.4	0.0	0.084	F	23.08
7	16.5	31.2	0.0	0.087	F	33.08

 * EFFECTIVE OVERBURDEN STRESS *

DEPTH FT	STRESS LBS/IN**2
0.000E+00	2.025E+00
9.500E+00	1.021E+01
1.128E+01	1.123E+01
1.220E+01	1.166E+01
1.858E+01	1.467E+01
2.308E+01	1.725E+01
3.308E+01	2.300E+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	1.000E+00	1.000E+00	4.217E-01
3	3.610E-01	2.770E+00	4.217E-01
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
7	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	146.07	4.75	294.97	6.33	0.00	-0.00	0.00
2	137.90	10.39	6.91	10.69	0.00	-0.00	0.00
3	78.42	11.74	1.51	11.89	0.00	-0.00	0.00

 * ACTIVE WATER PRESSURE OF EACH LAYER *

LAYER NO	PW1 LBS/IN	Z1 FT	PW2 LBS/IN	Z2 FT
2	0.00	10.39	12.32	10.69
3	12.73	11.74	3.29	11.89

* GENERATED TRIANGULAR-DISTRIBUTION EARTH PRESSURE

DEPTH FT	ACTIVE EARTH PRESSURE LBS/IN
-----	-----
0.00000E+00	2.52288E+01
5.00000E-01	3.05924E+01
1.00000E+00	3.59539E+01
1.50000E+00	4.13175E+01
2.00000E+00	4.66811E+01
2.50000E+00	5.20426E+01
3.00000E+00	5.74062E+01
3.50000E+00	6.27698E+01
4.00000E+00	6.81333E+01
4.50000E+00	7.34949E+01
5.00000E+00	7.88585E+01
5.50000E+00	8.42220E+01
6.00000E+00	8.95836E+01
6.50000E+00	9.49471E+01
7.00000E+00	1.00311E+02
7.50000E+00	1.05672E+02
8.00000E+00	1.11036E+02
8.50000E+00	1.16399E+02
9.00000E+00	1.21761E+02
9.50000E+00	1.27125E+02
1.00083E+01	1.37245E+02
1.05175E+01	1.47378E+02
1.10258E+01	1.57508E+02
1.15308E+01	1.67255E+02
1.20325E+01	1.76602E+02
1.25317E+01	1.58810E+02
1.30283E+01	1.58810E+02
1.35258E+01	1.58810E+02
1.40225E+01	1.58810E+02
1.45200E+01	1.58810E+02
1.50175E+01	1.58810E+02
1.55142E+01	1.58810E+02
1.60117E+01	1.58810E+02
1.65083E+01	1.58810E+02
1.70058E+01	1.58810E+02
1.75025E+01	1.58810E+02
1.80000E+01	1.58810E+02

1.84975E+01	1.58810E+02
1.89967E+01	7.12463E+01
1.94967E+01	7.12463E+01
1.99967E+01	7.12463E+01
2.04967E+01	7.12463E+01
2.09967E+01	7.12463E+01
2.14967E+01	7.12463E+01
2.19967E+01	7.12463E+01
2.24967E+01	7.12463E+01
2.29967E+01	7.12463E+01
2.34967E+01	1.11445E-08
2.39967E+01	1.13808E-08
2.44967E+01	1.16171E-08
2.49967E+01	1.18534E-08
2.54967E+01	1.20897E-08
2.59967E+01	1.23259E-08
2.64967E+01	1.25622E-08
2.69967E+01	1.27985E-08
2.74967E+01	1.30348E-08
2.79967E+01	1.32711E-08
2.84967E+01	1.35073E-08
2.89967E+01	1.37436E-08
2.94967E+01	1.39799E-08
2.99967E+01	1.42162E-08
3.04967E+01	1.44525E-08
3.09967E+01	1.46887E-08
3.14967E+01	1.49250E-08
3.19967E+01	1.51613E-08
3.24967E+01	1.53976E-08
3.29967E+01	1.56339E-08
3.34967E+01	1.58701E-08
3.39967E+01	1.61064E-08
3.44967E+01	1.63427E-08
3.49967E+01	1.65790E-08
3.54967E+01	1.68153E-08
3.59967E+01	1.70515E-08
3.64967E+01	1.72878E-08
3.69967E+01	1.75241E-08
3.74967E+01	1.77604E-08
3.79967E+01	1.79967E-08
3.84967E+01	1.82329E-08
3.89967E+01	1.84692E-08
3.94967E+01	1.87055E-08
3.99967E+01	1.89418E-08
4.00800E+01	1.89812E-08

* SOIL LAYERS AND STRENGTH DATA *

X AT THE SURFACE OF EXCAVATION SIDE = 12.20 FT

4 LAYER(S) OF SOIL

LAYER 1

THE SOIL IS A SAND

LAYER 2

THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

LAYER 3

THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

LAYER 4

THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

DISTRIBUTION OF EFFECTIVE UNIT WEIGHT WITH DEPTH
8 POINTS

X, FT	WEIGHT, LBS/IN**3
12.2000	3.9231E-02
18.5800	3.9231E-02
18.5800	4.7912E-02
23.0800	4.7912E-02
23.0800	4.7912E-02
33.0800	4.7912E-02
33.0800	5.0806E-02
49.5800	5.0806E-02

DISTRIBUTION OF STRENGTH PARAMETERS WITH DEPTH
8 POINTS

X, FT	C, LBS/IN**2	PHI, DEGREE	E50	KPY, LBS/IN**3
12.20	0.0000E+00	28.000	0.0000E+00	2.0000E+01
18.58	0.0000E+00	28.000	0.0000E+00	2.0000E+01
18.58	5.2083E+00	0.000	1.5000E-02	0.0000E+00
23.08	5.2083E+00	0.000	1.5000E-02	0.0000E+00
23.08	1.0417E+01	0.000	1.0000E-02	0.0000E+00
33.08	1.0417E+01	0.000	1.0000E-02	0.0000E+00
33.08	3.1250E+01	0.000	4.0000E-03	0.0000E+00
40.90	3.1250E+01	0.000	4.0000E-03	0.0000E+00

P-Y CURVES DATA

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
0.01	19.69	28.00	3.92E-02	2.00E+01	2.82	2.13	3.34E-01

Y	P
IN	LBS/IN
0.000	0.000
0.010	0.020
0.020	0.040
0.038	0.076
0.056	0.112
0.074	0.148
0.092	0.184
0.110	0.220
0.128	0.256
0.146	0.292
0.164	0.328
0.182	0.364
0.200	0.400
0.283	0.567
0.367	0.733
0.450	0.900
0.540	0.944

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
12.21	19.69	28.00	6.58E-02	2.00E+01	0.88	0.50	9.94E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	29.300
0.020	58.600
0.038	111.340
0.056	164.080
0.074	216.820
0.092	269.560
0.110	322.300
0.128	375.040
0.146	410.259

0.164	440.308
0.182	469.088
0.200	496.773
0.283	622.622
0.367	748.471
0.450	874.320
0.540	874.320

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
1.59	19.69	28.00	3.92E-02	2.00E+01	1.71	1.23	6.39E+01

Y IN	P LBS/IN
0.000	0.000
0.010	3.828
0.020	7.656
0.038	14.546
0.056	21.437
0.074	28.327
0.092	35.218
0.110	42.108
0.128	48.998
0.146	55.889
0.164	62.779
0.182	69.670
0.200	76.560
0.283	88.742
0.367	98.944
0.450	109.146
0.540	109.146

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
13.80	19.69	28.00	6.28E-02	2.00E+01	0.88	0.50	1.06E+03

Y IN	P LBS/IN
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0.000	0.000
0.010	33.108
0.020	66.216
0.038	125.810
0.056	185.405
0.074	244.999
0.092	304.594
0.110	364.188
0.128	402.965
0.146	436.526
0.164	468.499
0.182	499.123
0.200	528.579
0.283	662.486
0.367	796.393
0.450	930.299
0.540	930.299

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
3.19	19.69	28.00	3.92E-02	2.00E+01	1.03	0.68	1.28E+02

Y IN	P LBS/IN
0.000	0.000
0.010	7.656
0.020	15.312
0.038	29.093
0.056	42.874
0.074	56.654
0.092	62.435
0.110	67.287
0.128	71.696
0.146	75.758
0.164	79.538
0.182	83.084
0.200	86.432
0.283	101.515
0.367	116.598
0.450	131.681
0.540	131.681

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
15.39	19.69	28.00	6.03E-02	2.00E+01	0.88	0.50	1.12E+03

Y	P
IN	LBS/IN
0.000	0.000
0.010	36.936
0.020	73.872
0.038	140.357
0.056	206.842
0.074	273.326
0.092	339.811
0.110	389.724
0.128	427.341
0.146	462.932
0.164	496.839
0.182	529.315
0.200	560.553
0.283	702.560
0.367	844.567
0.450	986.573
0.540	986.573

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
4.79	19.69	28.00	3.92E-02	2.00E+01	0.88	0.51	1.92E+02

Y	P
IN	LBS/IN
0.000	0.000
0.012	13.591
0.024	27.183
0.041	37.897
0.059	46.855
0.077	54.778
0.094	61.991
0.112	68.676
0.129	74.947
0.147	80.882

0.165	86.536
0.182	91.951
0.200	97.159
0.283	121.321
0.367	145.484
0.450	169.647
0.540	169.647

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
16.98	19.69	28.00	5.83E-02	2.00E+01	0.88	0.50	1.19E+03

Y IN	P LBS/IN
0.000	0.000
0.010	40.764
0.020	81.528
0.038	154.903
0.056	228.278
0.074	301.654
0.092	369.543
0.110	411.954
0.128	451.716
0.146	489.337
0.164	525.178
0.182	559.507
0.200	592.527
0.283	742.634
0.367	892.740
0.450	1042.847
0.540	1042.847

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
6.37	19.69	28.00	3.92E-02	2.00E+01	0.88	0.50	2.55E+02

Y IN	P LBS/IN
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0.000	0.000
0.011	16.485
0.022	32.971
0.039	47.572
0.057	59.701
0.075	70.408
0.093	80.153
0.111	89.185
0.129	97.663
0.146	105.690
0.164	113.341
0.182	120.673
0.200	127.728
0.283	160.086
0.367	192.444
0.450	224.802
0.540	224.802

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
18.57	19.69	28.00	5.67E-02	2.00E+01	0.88	0.50	1.25E+03

Y IN	P LBS/IN
0.000	0.000
0.010	44.572
0.020	89.144
0.038	169.374
0.056	249.603
0.074	329.833
0.092	389.380
0.110	434.067
0.128	475.964
0.146	515.605
0.164	553.370
0.182	589.541
0.200	624.334
0.283	782.498
0.367	940.663
0.450	1098.827
0.540	1098.827

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
6.39	19.690	5.21E+00	5.21E+00	3.92E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	14.86485
0.00036	22.22814
0.00072	26.43386
0.00360	39.52785
0.00720	47.00680
0.03600	70.29156
0.07200	83.59122
0.18000	105.11039
0.36000	124.99803
0.54000	138.33306
0.72000	148.64855
1.80000	186.91565
3.60000	222.28142
7.20000	264.33865
8.10000	264.33865
9.00000	264.33865

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

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
18.59	19.690	5.21E+00	5.21E+00	5.67E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	27.77822
0.00036	41.53813
0.00072	49.39744
0.00360	73.86641
0.00720	87.84245
0.03600	131.35511
0.07200	156.20843
0.18000	196.42170
0.36000	233.58608

0.54000	258.50550
0.72000	277.78223
1.80000	349.29266
3.60000	415.38132
7.20000	493.97442
8.10000	493.97442
9.00000	493.97442

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
7.50	19.690	5.21E+00	5.21E+00	4.05E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	15.57573
0.00036	23.29115
0.00072	27.69800
0.00360	41.41818
0.00720	49.25479
0.03600	73.65309
0.07200	87.58878
0.18000	110.13706
0.36000	130.97578
0.54000	144.94853
0.72000	155.75733
1.80000	195.85447
3.60000	232.91153
7.20000	276.98005
8.10000	276.98005
9.00000	276.98005

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
19.71	19.690	5.21E+00	5.21E+00	5.62E-02	1.5000E-02

Y IN	P LBS/IN
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0.00000	0.00000
0.00007	28.48910
0.00036	42.60114
0.00072	50.66158
0.00360	75.75674
0.00720	90.09045
0.03600	134.71664
0.07200	160.20599
0.18000	201.44837
0.36000	239.56383
0.54000	265.12096
0.72000	284.89101
1.80000	358.23148
3.60000	426.01143
7.20000	506.61582
8.10000	506.61582
9.00000	506.61582

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
8.63	19.690	5.21E+00	5.21E+00	4.15E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	16.29192
0.00036	24.36210
0.00072	28.97158
0.00360	43.32261
0.00720	51.51956
0.03600	77.03971
0.07200	91.61617
0.18000	115.20124
0.36000	136.99814
0.54000	151.61336
0.72000	162.91916
1.80000	204.86000
3.60000	243.62096
7.20000	289.71578
8.10000	289.71578
9.00000	289.71578

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
20.83	19.690	5.21E+00	5.21E+00	5.57E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	29.20528
0.00036	43.67209
0.00072	51.93516
0.00360	77.66117
0.00720	92.35522
0.03600	138.10326
0.07200	164.23338
0.18000	206.51255
0.36000	245.58619
0.54000	271.78580
0.72000	292.05284
1.80000	367.23701
3.60000	436.72086
7.20000	519.35156
8.10000	519.35156
9.00000	519.35156

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
9.75	19.690	5.21E+00	5.21E+00	4.22E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	17.00810
0.00036	25.43304
0.00072	30.24515
0.00360	45.22705
0.00720	53.78433
0.03600	80.42633
0.07200	95.64357
0.18000	120.26542
0.36000	143.02050

0.54000	158.27820
0.72000	170.08099
1.80000	213.86552
3.60000	254.33040
7.20000	302.45152
8.10000	302.45152
9.00000	302.45152

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
21.96	19.690	5.21E+00	5.21E+00	5.53E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	29.92147
0.00036	44.74303
0.00072	53.20873
0.00360	79.56561
0.00720	94.61999
0.03600	141.48988
0.07200	168.26078
0.18000	211.57673
0.36000	251.60855
0.54000	278.45063
0.72000	299.21468
1.80000	376.24254
3.60000	447.43030
7.20000	532.08730
8.10000	532.08730
9.00000	532.08730

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
10.87	19.690	5.21E+00	5.21E+00	4.28E-02	1.5000E-02

Y IN	P LBS/IN
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0.00000	0.00000
0.00007	17.71898
0.00036	26.49605
0.00072	31.50929
0.00360	47.11738
0.00720	56.03233
0.03600	83.78787
0.07200	99.64113
0.18000	125.29209
0.36000	148.99824
0.54000	164.89366
0.72000	177.18977
1.80000	222.80434
3.60000	264.96051
7.20000	315.09292
8.10000	315.09292
9.00000	315.09292

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

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
23.07	19.690	5.21E+00	5.21E+00	5.50E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	30.63235
0.00036	45.80604
0.00072	54.47287
0.00360	81.45594
0.00720	96.86798
0.03600	144.85142
0.07200	172.25834
0.18000	216.60339
0.36000	257.58630
0.54000	285.06610
0.72000	306.32346
1.80000	385.18135
3.60000	458.06041
7.20000	544.72870
8.10000	544.72870
9.00000	544.72870

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
10.89	19.690	1.04E+01	1.04E+01	4.28E-02	1.0000E-02
	Y IN			P LBS/IN	
	0.00000			0.00000	
	0.00005			29.26344	
	0.00024			43.75905	
	0.00048			52.03858	
	0.00240			77.81583	
	0.00480			92.53913	
	0.02400			138.37828	
	0.04800			164.56043	
	0.12000			206.92379	
	0.24000			246.07524	
	0.36000			272.32702	
	0.48000			292.63443	
	1.20000			367.96831	
	2.40000			437.59054	
	4.80000			520.38578	
	5.40000			520.38578	
	6.00000			520.38578	

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
23.09	19.690	1.04E+01	1.04E+01	5.50E-02	1.0000E-02
	Y IN			P LBS/IN	
	0.00000			0.00000	
	0.00005			42.17681	
	0.00024			63.06904	
	0.00048			75.00216	
	0.00240			112.15438	
	0.00480			133.37479	
	0.02400			199.44183	
	0.04800			237.17764	
	0.12000			298.23510	
	0.24000			354.66330	

0.36000	392.49946
0.48000	421.76812
1.20000	530.34533
2.40000	630.69044
4.80000	750.02155
5.40000	750.02155
6.00000	750.02155

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
13.38	19.690	1.04E+01	1.04E+01	4.38E-02	1.0000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00005	30.84966
0.00024	46.13100
0.00048	54.85931
0.00240	82.03380
0.00480	97.55518
0.02400	145.87902
0.04800	173.48036
0.12000	218.14001
0.24000	259.41365
0.36000	287.08840
0.48000	308.49656
1.20000	387.91389
2.40000	461.30996
4.80000	548.59308
5.40000	548.59308
6.00000	548.59308

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
25.58	19.690	1.04E+01	1.04E+01	5.43E-02	1.0000E-02

Y IN	P LBS/IN
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0.00000	0.00000
0.00005	43.76302
0.00024	65.44099
0.00048	77.82289
0.00240	116.37236
0.00480	138.39084
0.02400	206.94257
0.04800	246.09757
0.12000	309.45132
0.24000	368.00171
0.36000	407.26084
0.48000	437.63025
1.20000	550.29090
2.40000	654.40986
4.80000	778.22886
5.40000	778.22886
6.00000	778.22886

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
15.88	19.690	1.04E+01	1.04E+01	4.44E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	32.44117
0.00024	48.51087
0.00048	57.68947
0.00240	86.26588
0.00480	102.58800
0.02400	153.40484
0.04800	182.43013
0.12000	229.39374
0.24000	272.79667
0.36000	301.89915
0.48000	324.41175
1.20000	407.92617
2.40000	485.10871
4.80000	576.89472
5.40000	576.89472
6.00000	576.89472

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
28.08	19.690	1.04E+01	1.04E+01	5.37E-02	1.0000E-02
	Y IN			P LBS/IN	
	0.00000			0.00000	
	0.00005			45.35454	
	0.00024			67.82086	
	0.00048			80.65305	
	0.00240			120.60444	
	0.00480			143.42366	
	0.02400			214.46839	
	0.04800			255.04734	
	0.12000			320.70505	
	0.24000			381.38473	
	0.36000			422.07158	
	0.48000			453.54543	
	1.20000			570.30318	
	2.40000			678.20860	
	4.80000			806.53050	
	5.40000			806.53050	
	6.00000			806.53050	

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
18.38	19.690	1.04E+01	1.04E+01	4.49E-02	1.0000E-02
	Y IN			P LBS/IN	
	0.00000			0.00000	
	0.00005			34.03269	
	0.00024			50.89075	
	0.00048			60.51964	
	0.00240			90.49797	
	0.00480			107.62082	
	0.02400			160.93067	
	0.04800			191.37989	
	0.12000			240.64748	
	0.24000			286.17969	

0.36000	316.70989
0.48000	340.32693
1.20000	427.93845
2.40000	508.90745
4.80000	605.19637
5.40000	605.19637
6.00000	605.19637

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
30.58	19.690	1.04E+01	1.04E+01	5.32E-02	1.0000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00005	46.94606
0.00024	70.20073
0.00048	83.48321
0.00240	124.83652
0.00480	148.45648
0.02400	221.99422
0.04800	263.99710
0.12000	331.95878
0.24000	394.76775
0.36000	436.88233
0.48000	469.46061
1.20000	590.31547
2.40000	702.00735
4.80000	834.83214
5.40000	834.83214
6.00000	834.83214

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
20.87	19.690	1.04E+01	1.04E+01	4.53E-02	1.0000E-02

Y IN	P LBS/IN
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0.00000	0.00000
0.00005	35.61891
0.00024	53.26269
0.00048	63.34037
0.00240	94.71594
0.00480	112.63687
0.02400	168.43141
0.04800	200.29983
0.12000	251.86370
0.24000	299.51810
0.36000	331.47127
0.48000	356.18906
1.20000	447.88403
2.40000	532.62687
4.80000	633.40367
5.40000	633.40367
6.00000	633.40367

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

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
33.07	19.690	1.04E+01	1.04E+01	5.28E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	48.53227
0.00024	72.57268
0.00048	86.30394
0.00240	129.05450
0.00480	153.47253
0.02400	229.49495
0.04800	272.91703
0.12000	343.17500
0.24000	408.10616
0.36000	451.64371
0.48000	485.32275
1.20000	610.26104
2.40000	725.72677
4.80000	863.03944
5.40000	863.03944
6.00000	863.03944

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
20.89	19.690	3.12E+01	3.12E+01	4.53E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	81.76525
0.00010	122.26757
0.00019	145.40147
0.00096	217.42591
0.00192	258.56444
0.00960	386.64402
0.01920	459.79982
0.04800	578.16767
0.09600	687.56110
0.14400	760.91144
0.19200	817.65255
0.48000	1028.14365
0.96000	1222.67575
1.92000	1454.01470
2.16000	1454.01470
2.40000	1454.01470

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
33.09	19.690	3.12E+01	3.12E+01	5.28E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	94.67862
0.00010	141.57756
0.00019	168.36505
0.00096	251.76447
0.00192	299.40010
0.00960	447.70757
0.01920	532.41702
0.04800	669.47897
0.09600	796.14916

0.14400	881.08388
0.19200	946.78624
0.48000	1190.52066
0.96000	1415.77565
1.92000	1683.65047
2.16000	1683.65047
2.40000	1683.65047

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
22.84	19.690	3.12E+01	3.12E+01	4.57E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	83.07970
0.00010	124.23312
0.00019	147.73891
0.00096	220.92121
0.00192	262.72107
0.00960	392.85963
0.01920	467.19147
0.04800	587.46217
0.09600	698.61419
0.14400	773.14370
0.19200	830.79697
0.48000	1044.67188
0.96000	1242.33123
1.92000	1477.38914
2.16000	1477.38914
2.40000	1477.38914

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
35.04	19.690	3.12E+01	3.12E+01	5.27E-02	4.0000E-03

Y IN	P LBS/IN
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0.00000	0.00000
0.00002	95.99306
0.00010	143.54311
0.00019	170.70249
0.00096	255.25977
0.00192	303.55673
0.00960	453.92318
0.01920	539.80867
0.04800	678.77348
0.09600	807.20225
0.14400	893.31614
0.19200	959.93066
0.48000	1207.04889
0.96000	1435.43113
1.92000	1707.02492
2.16000	1707.02492
2.40000	1707.02492

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
24.79	19.690	3.12E+01	3.12E+01	4.61E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	84.39976
0.00010	126.20708
0.00019	150.08636
0.00096	224.43146
0.00192	266.89549
0.00960	399.10184
0.01920	474.61475
0.04800	596.79646
0.09600	709.71459
0.14400	785.42831
0.19200	843.99764
0.48000	1061.27085
0.96000	1262.07084
1.92000	1500.86362
2.16000	1500.86362
2.40000	1500.86362

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
36.99	19.690	3.12E+01	3.12E+01	5.26E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	97.31313
0.00010	145.51707
0.00019	173.04994
0.00096	258.77002
0.00192	307.73115
0.00960	460.16539
0.01920	547.23196
0.04800	688.10776
0.09600	818.30264
0.14400	905.60075
0.19200	973.13133
0.48000	1223.64786
0.96000	1455.17074
1.92000	1730.49940
2.16000	1730.49940
2.40000	1730.49940

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
26.75	19.690	3.12E+01	3.12E+01	4.65E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	85.71983
0.00010	128.18104
0.00019	152.43381
0.00096	227.94172
0.00192	271.06991
0.00960	405.34405
0.01920	482.03803
0.04800	606.13074
0.09600	720.81499

0.14400	797.71292
0.19200	857.19831
0.48000	1077.86981
0.96000	1281.81045
1.92000	1524.33810
2.16000	1524.33810
2.40000	1524.33810

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
38.95	19.690	3.12E+01	3.12E+01	5.25E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	98.63320
0.00010	147.49103
0.00019	175.39739
0.00096	262.28027
0.00192	311.90557
0.00960	466.40760
0.01920	554.65524
0.04800	697.44204
0.09600	829.40304
0.14400	917.88536
0.19200	986.33200
0.48000	1240.24682
0.96000	1474.91035
1.92000	1753.97388
2.16000	1753.97388
2.40000	1753.97388

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

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
28.69	19.690	3.12E+01	3.12E+01	4.68E-02	4.0000E-03

Y IN	P LBS/IN
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0.00000	0.00000
0.00002	87.03427
0.00010	130.14659
0.00019	154.77125
0.00096	231.43701
0.00192	275.22654
0.00960	411.55966
0.01920	489.42968
0.04800	615.42525
0.09600	731.86808
0.14400	809.94518
0.19200	870.34273
0.48000	1094.39804
0.96000	1301.46593
1.92000	1547.71255
2.16000	1547.71255
2.40000	1547.71255

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

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
40.89	19.690	3.12E+01	3.12E+01	5.25E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	99.94764
0.00010	149.45658
0.00019	177.73483
0.00096	265.77557
0.00192	316.06220
0.00960	472.62321
0.01920	562.04689
0.04800	706.73655
0.09600	840.45613
0.14400	930.11761
0.19200	999.47642
0.48000	1256.77505
0.96000	1494.56583
1.92000	1777.34832
2.16000	1777.34832
2.40000	1777.34832

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

New Wall

RESULTS

NUMBER OF ITERATIONS : 48

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

STA I	X	DEFL.	SLOPE	MOMENT	SHEAR	SOIL_REACT
NET_FORCE/STA	EI					
LBS	FT	IN	RAD	LBS-IN	LBS	LBS/IN
LBS-IN**2						
-----	-----	----	-----	-----	-----	-----
0	0.000E+00	7.403E+00	-2.568E-02	0.000E+00	0.000E+00	0.000E+00
0.000E+00	2.336E+10					
1	4.010E-01	7.279E+00	-2.568E-02	0.000E+00	7.105E+01	0.000E+00
1.421E+02	2.336E+10					
2	8.020E-01	7.156E+00	-2.568E-02	6.838E+02	2.235E+02	0.000E+00
1.628E+02	2.336E+10					
3	1.203E+00	7.032E+00	-2.568E-02	2.151E+03	3.966E+02	0.000E+00
1.835E+02	2.336E+10					
4	1.604E+00	6.909E+00	-2.568E-02	4.501E+03	5.905E+02	0.000E+00
2.042E+02	2.336E+10					
5	2.005E+00	6.785E+00	-2.568E-02	7.834E+03	8.050E+02	0.000E+00
2.249E+02	2.336E+10					
6	2.406E+00	6.661E+00	-2.568E-02	1.225E+04	1.040E+03	0.000E+00
2.456E+02	2.336E+10					
7	2.807E+00	6.538E+00	-2.567E-02	1.785E+04	1.296E+03	0.000E+00
2.663E+02	2.336E+10					
8	3.208E+00	6.414E+00	-2.567E-02	2.472E+04	1.573E+03	0.000E+00
2.870E+02	2.336E+10					
9	3.609E+00	6.291E+00	-2.566E-02	3.298E+04	1.870E+03	0.000E+00
3.077E+02	2.336E+10					
10	4.010E+00	6.167E+00	-2.565E-02	4.272E+04	2.188E+03	0.000E+00
3.284E+02	2.336E+10					
11	4.411E+00	6.044E+00	-2.564E-02	5.404E+04	2.527E+03	0.000E+00
3.491E+02	2.336E+10					
12	4.812E+00	5.921E+00	-2.563E-02	6.704E+04	2.886E+03	0.000E+00
3.698E+02	2.336E+10					
13	5.213E+00	5.797E+00	-2.562E-02	8.182E+04	3.266E+03	0.000E+00
3.905E+02	2.336E+10					
14	5.614E+00	5.674E+00	-2.560E-02	9.848E+04	3.667E+03	0.000E+00
4.112E+02	2.336E+10					
15	6.015E+00	5.551E+00	-2.558E-02	1.171E+05	4.089E+03	0.000E+00
4.319E+02	2.336E+10					
16	6.416E+00	5.428E+00	-2.555E-02	1.378E+05	4.531E+03	0.000E+00
4.525E+02	2.336E+10					
17	6.817E+00	5.305E+00	-2.552E-02	1.607E+05	4.994E+03	0.000E+00

4.732E+02	2.336E+10					
18	7.218E+00	5.182E+00	-2.548E-02	1.859E+05	5.477E+03	0.000E+00
4.939E+02	2.336E+10					
19	7.619E+00	5.060E+00	-2.544E-02	2.134E+05	5.982E+03	0.000E+00
5.146E+02	2.336E+10					
20	8.020E+00	4.937E+00	-2.540E-02	2.435E+05	6.507E+03	0.000E+00
5.353E+02	2.336E+10					
21	8.421E+00	4.815E+00	-2.534E-02	2.761E+05	7.052E+03	0.000E+00
5.560E+02	2.336E+10					
22	8.822E+00	4.694E+00	-2.528E-02	3.113E+05	7.619E+03	0.000E+00
5.767E+02	2.336E+10					
23	9.223E+00	4.572E+00	-2.521E-02	3.494E+05	8.206E+03	0.000E+00
5.974E+02	2.336E+10					
24	9.624E+00	4.451E+00	-2.514E-02	3.903E+05	8.816E+03	0.000E+00
6.236E+02	2.336E+10					
25	1.003E+01	4.330E+00	-2.505E-02	4.342E+05	9.459E+03	0.000E+00
6.620E+02	2.336E+10					
26	1.043E+01	4.210E+00	-2.496E-02	4.813E+05	1.014E+04	0.000E+00
7.004E+02	2.336E+10					
27	1.083E+01	4.090E+00	-2.485E-02	5.318E+05	1.086E+04	0.000E+00
7.389E+02	2.336E+10					
28	1.123E+01	3.971E+00	-2.474E-02	5.858E+05	1.162E+04	0.000E+00
7.773E+02	2.336E+10					
29	1.163E+01	3.852E+00	-2.461E-02	6.436E+05	1.241E+04	0.000E+00
8.136E+02	2.336E+10					
30	1.203E+01	3.734E+00	-2.447E-02	7.053E+05	1.324E+04	-1.245E+00
8.436E+02	2.336E+10					
31	1.243E+01	3.616E+00	-2.432E-02	7.711E+05	1.398E+04	-2.910E+01
6.242E+02	2.336E+10					
32	1.283E+01	3.500E+00	-2.415E-02	8.398E+05	1.454E+04	-5.574E+01
4.960E+02	2.336E+10					
33	1.323E+01	3.384E+00	-2.397E-02	9.110E+05	1.497E+04	-8.241E+01
3.677E+02	2.336E+10					
34	1.363E+01	3.269E+00	-2.378E-02	9.839E+05	1.527E+04	-1.091E+02
2.392E+02	2.336E+10					
35	1.404E+01	3.155E+00	-2.357E-02	1.058E+06	1.550E+04	-1.148E+02
2.120E+02	2.336E+10					
36	1.444E+01	3.042E+00	-2.334E-02	1.133E+06	1.570E+04	-1.204E+02
1.848E+02	2.336E+10					
37	1.484E+01	2.930E+00	-2.310E-02	1.209E+06	1.587E+04	-1.260E+02
1.576E+02	2.336E+10					
38	1.524E+01	2.820E+00	-2.284E-02	1.286E+06	1.601E+04	-1.317E+02
1.305E+02	2.336E+10					
39	1.564E+01	2.710E+00	-2.257E-02	1.363E+06	1.612E+04	-1.412E+02
8.486E+01	2.336E+10					
40	1.604E+01	2.603E+00	-2.228E-02	1.441E+06	1.618E+04	-1.507E+02
3.926E+01	2.336E+10					
41	1.644E+01	2.496E+00	-2.198E-02	1.519E+06	1.620E+04	-1.601E+02
-6.329E+00	2.336E+10					
42	1.684E+01	2.391E+00	-2.166E-02	1.597E+06	1.617E+04	-1.696E+02

-5.192E+01	2.336E+10					
43	1.724E+01	2.288E+00	-2.132E-02	1.674E+06	1.608E+04	-1.834E+02
-1.183E+02	2.336E+10					
44	1.764E+01	2.186E+00	-2.097E-02	1.752E+06	1.593E+04	-1.972E+02
-1.847E+02	2.336E+10					
45	1.805E+01	2.086E+00	-2.060E-02	1.828E+06	1.571E+04	-2.110E+02
-2.511E+02	2.336E+10					
46	1.845E+01	1.988E+00	-2.021E-02	1.903E+06	1.543E+04	-2.248E+02
-3.175E+02	2.336E+10					
47	1.885E+01	1.891E+00	-1.982E-02	1.976E+06	1.492E+04	-2.158E+02
-6.956E+02	2.336E+10					
48	1.925E+01	1.797E+00	-1.940E-02	2.046E+06	1.425E+04	-2.055E+02
-6.458E+02	2.336E+10					
49	1.965E+01	1.705E+00	-1.897E-02	2.113E+06	1.364E+04	-1.924E+02
-5.828E+02	2.336E+10					
50	2.005E+01	1.614E+00	-1.853E-02	2.178E+06	1.306E+04	-1.919E+02
-5.806E+02	2.336E+10					
51	2.045E+01	1.526E+00	-1.808E-02	2.239E+06	1.248E+04	-1.914E+02
-5.782E+02	2.336E+10					
52	2.085E+01	1.440E+00	-1.761E-02	2.298E+06	1.190E+04	-1.909E+02
-5.758E+02	2.336E+10					
53	2.125E+01	1.357E+00	-1.713E-02	2.354E+06	1.132E+04	-1.904E+02
-5.734E+02	2.336E+10					
54	2.165E+01	1.275E+00	-1.664E-02	2.407E+06	1.075E+04	-1.899E+02
-5.711E+02	2.336E+10					
55	2.206E+01	1.197E+00	-1.614E-02	2.457E+06	1.018E+04	-1.894E+02
-5.687E+02	2.336E+10					
56	2.246E+01	1.120E+00	-1.563E-02	2.505E+06	9.615E+03	-1.889E+02
-5.662E+02	2.336E+10					
57	2.286E+01	1.046E+00	-1.511E-02	2.550E+06	9.050E+03	-1.884E+02
-5.639E+02	2.336E+10					
58	2.326E+01	9.748E-01	-1.458E-02	2.592E+06	8.316E+03	-1.880E+02
-9.045E+02	2.336E+10					
59	2.366E+01	9.059E-01	-1.404E-02	2.630E+06	7.350E+03	-2.135E+02
-1.027E+03	2.336E+10					
60	2.406E+01	8.397E-01	-1.349E-02	2.662E+06	6.265E+03	-2.376E+02
-1.143E+03	2.336E+10					
61	2.446E+01	7.761E-01	-1.294E-02	2.690E+06	5.067E+03	-2.604E+02
-1.253E+03	2.336E+10					
62	2.486E+01	7.151E-01	-1.239E-02	2.711E+06	3.762E+03	-2.819E+02
-1.357E+03	2.336E+10					
63	2.526E+01	6.569E-01	-1.183E-02	2.726E+06	2.357E+03	-3.022E+02
-1.454E+03	2.336E+10					
64	2.566E+01	6.013E-01	-1.126E-02	2.734E+06	8.555E+02	-3.219E+02
-1.549E+03	2.336E+10					
65	2.607E+01	5.485E-01	-1.070E-02	2.734E+06	-6.859E+02	-3.188E+02
-1.534E+03	2.336E+10					
66	2.647E+01	4.984E-01	-1.014E-02	2.727E+06	-2.213E+03	-3.159E+02
-1.520E+03	2.336E+10					
67	2.687E+01	4.509E-01	-9.576E-03	2.713E+06	-3.721E+03	-3.111E+02

-1.497E+03	2.336E+10					
68	2.727E+01	4.062E-01	-9.020E-03	2.692E+06	-5.205E+03	-3.055E+02
-1.470E+03	2.336E+10					
69	2.767E+01	3.641E-01	-8.468E-03	2.663E+06	-6.662E+03	-3.002E+02
-1.445E+03	2.336E+10					
70	2.807E+01	3.247E-01	-7.923E-03	2.627E+06	-8.090E+03	-2.933E+02
-1.412E+03	2.336E+10					
71	2.847E+01	2.879E-01	-7.386E-03	2.585E+06	-9.486E+03	-2.867E+02
-1.380E+03	2.336E+10					
72	2.887E+01	2.536E-01	-6.859E-03	2.536E+06	-1.085E+04	-2.806E+02
-1.350E+03	2.336E+10					
73	2.927E+01	2.219E-01	-6.342E-03	2.481E+06	-1.218E+04	-2.728E+02
-1.313E+03	2.336E+10					
74	2.967E+01	1.926E-01	-5.837E-03	2.419E+06	-1.347E+04	-2.640E+02
-1.270E+03	2.336E+10					
75	3.008E+01	1.657E-01	-5.346E-03	2.351E+06	-1.473E+04	-2.560E+02
-1.232E+03	2.336E+10					
76	3.048E+01	1.411E-01	-4.869E-03	2.277E+06	-1.594E+04	-2.486E+02
-1.196E+03	2.336E+10					
77	3.088E+01	1.188E-01	-4.408E-03	2.198E+06	-1.712E+04	-2.417E+02
-1.163E+03	2.336E+10					
78	3.128E+01	9.871E-02	-3.964E-03	2.112E+06	-1.825E+04	-2.296E+02
-1.105E+03	2.336E+10					
79	3.168E+01	8.068E-02	-3.538E-03	2.022E+06	-1.933E+04	-2.187E+02
-1.053E+03	2.336E+10					
80	3.208E+01	6.466E-02	-3.132E-03	1.926E+06	-2.036E+04	-2.091E+02
-1.006E+03	2.336E+10					
81	3.248E+01	5.054E-02	-2.745E-03	1.826E+06	-2.135E+04	-2.006E+02
-9.654E+02	2.336E+10					
82	3.288E+01	3.824E-02	-2.380E-03	1.721E+06	-2.228E+04	-1.873E+02
-9.014E+02	2.336E+10					
83	3.328E+01	2.764E-02	-2.036E-03	1.612E+06	-2.392E+04	-4.945E+02
-2.379E+03	2.336E+10					
84	3.368E+01	1.864E-02	-1.717E-03	1.491E+06	-2.621E+04	-4.573E+02
-2.201E+03	2.336E+10					
85	3.409E+01	1.112E-02	-1.423E-03	1.359E+06	-2.828E+04	-4.014E+02
-1.931E+03	2.336E+10					
86	3.449E+01	4.940E-03	-1.158E-03	1.219E+06	-2.999E+04	-3.127E+02
-1.505E+03	2.336E+10					
87	3.489E+01	-2.685E-05	-9.219E-04	1.071E+06	-3.050E+04	1.007E+02
4.847E+02	2.336E+10					
88	3.529E+01	-3.933E-03	-7.164E-04	9.250E+05	-2.943E+04	3.439E+02
1.655E+03	2.336E+10					
89	3.569E+01	-6.921E-03	-5.400E-04	7.873E+05	-2.764E+04	4.037E+02
1.943E+03	2.336E+10					
90	3.609E+01	-9.129E-03	-3.910E-04	6.590E+05	-2.559E+04	4.484E+02
2.158E+03	2.336E+10					
91	3.649E+01	-1.068E-02	-2.674E-04	5.411E+05	-2.338E+04	4.687E+02
2.256E+03	2.336E+10					
92	3.689E+01	-1.170E-02	-1.669E-04	4.340E+05	-2.110E+04	4.793E+02

2.306E+03	2.336E+10					
93	3.729E+01	-1.229E-02	-8.740E-05	3.380E+05	-1.878E+04	4.859E+02
2.338E+03	2.336E+10					
94	3.769E+01	-1.254E-02	-2.648E-05	2.533E+05	-1.643E+04	4.895E+02
2.356E+03	2.336E+10					
95	3.810E+01	-1.255E-02	1.815E-05	1.799E+05	-1.407E+04	4.909E+02
2.362E+03	2.336E+10					
96	3.850E+01	-1.237E-02	4.883E-05	1.179E+05	-1.171E+04	4.906E+02
2.361E+03	2.336E+10					
97	3.890E+01	-1.208E-02	6.790E-05	6.724E+04	-8.763E+03	7.338E+02
3.531E+03	2.336E+10					
98	3.930E+01	-1.172E-02	7.828E-05	3.356E+04	-5.826E+03	4.871E+02
2.344E+03	2.336E+10					
99	3.970E+01	-1.132E-02	8.289E-05	1.117E+04	-3.487E+03	4.848E+02
2.333E+03	2.336E+10					
100	4.010E+01	-1.092E-02	8.404E-05	-1.750E-09	-1.160E+03	4.823E+02
2.321E+03	2.336E+10					

END OF ANALYSIS