Cut/Restore Sod Fraction - 0	0.01
Cut/Restore Sod Fraction - 5	0.01
Cut/Restore Sod Fraction - 100	0.01
Cut/Restore Sod Fraction - 200	0.03
Cut/Restore Sod Fraction - 650	0.04
Cut/Restore Sod Fraction - 850	0.06
Cut/Restore Sod Fraction - 2550	0.04
Cut/Restore Sod Fraction - 5000	0.02
Cut/Restore Sod Fraction -10000	0.00
Cut/Restore Sod Per Ft - 0	0.68
Cut/Restore Sod Per Ft - 5	0.68
Cut/Restore Sod Per Ft - 100	0.68
Cut/Restore Sod Per Ft - 200	0.68
Cut/Restore Sod Per Ft - 650	0.68
Cut/Restore Sod Per Ft - 850	0.68
Cut/Restore Sod Per Ft - 2550	0.68
Cut/Restore Sod Per Ft - 5000	0.68
Cut/Restore Sod Per Ft -10000	0.68
Pavement Stabilization Per Ft - 0	3.40
Pavement Stabilization Per Ft - 5	3.40
Pavement Stabilization Per Ft - 100	3.40
Pavement Stabilization Per Ft - 200	3.40
Pavement Stabilization Per Ft - 650	3.40
Pavement Stabilization Per Ft - 850	6.11
Pavement Stabilization Per Ft - 2550	8.83
Pavement Stabilization Per Ft - 5000	11.54
Pavement Stabilization Per Ft -10000	13.58
Dirt Stabilization Per Ft - 0	0.68
Dirt Stabilization Per Ft - 5	0.68
Dirt Stabilization Per Ft - 100	0.68
Dirt Stabilization Per Ft - 200	0.68
Dirt Stabilization Per Ft - 650	0.68
Dirt Stabilization Per Ft - 850	2.72
Dirt Stabilization Per Ft - 2550	7.47
Dirt Stabilization Per Ft - 5000	8.15
Dirt Stabilization Per Ft -10000	10.86
Simple Backfill - 0	0.10
Simple Backfill - 5	0.10
Simple Backfill - 100	0.10
Simple Backfill - 200	0.10
Simple Backfill - 650	0.10
Simple Backfill - 850	0.10
Simple Backfill - 2550	0.10
Simple Backfill - 5000	0.10
Simple Backfill -10000	0.10

Input	
Excavation/Regeneration	
Plow Fraction - 0	0.60
Plow Fraction - 5	0.60
Plow Fraction - 100	0.60
Plow Fraction - 200	0.50
Plow Fraction - 650	0.35
Plow Fraction - 850	0.20
Plow Fraction - 2550	0.00
Plow Fraction - 5000	0.00
Plow Fraction -10000	0.00
Plow Per Ft - 0	0.65
Plow Per Ft - 5	0.65
Plow Per Ft - 100	0.65
Plow Per Ft - 200	0.65
Plow Per Ft - 650	0.65
Plow Per Ft - 850	0.98
Plow Per Ft - 2550	0.98
Plow Per Ft - 5000	0.98
Plow Per Ft -10000	0.98
Trench Per Ft - 0	1.55
Trench Per Ft - 5	1.55
Trench Per Ft - 100	1.55
Trench Per Ft - 200	1.55
Trench Per Ft - 650	1.59
Trench Per Ft - 850	1.75
Trench Per Ft - 2550	1.75
Trench Per Ft - 5000	4.90
Trench Per Ft -10000	12.24
Backhoe Trench Fraction - 0	0.10
Backhoe Trench Fraction - 5	0.10
Backhoe Trench Fraction - 100	0.10
Backhoe Trench Fraction - 200	0.10
Backhoe Trench Fraction - 650	0.10
Backhoe Trench Fraction - 850	0.10
Backhoe Trench Fraction - 2550	0.10
Backhoe Trench Fraction - 5000	0.10
Backhoe Trench Fraction -10000	0.25

Backhoe Trench Per Ft - 0	2.45
Backhoe Trench Per Ft - 5	2.45
Backhoe Trench Per Ft - 100	2.45
Backhoe Trench Per Ft - 200	2.45
Backhoe Trench Per Ft - 650	2.45
Backhoe Trench Per Ft - 850	2.45
Backhoe Trench Per Ft - 2550	2.45
Backhoe Trench Per Ft - 5000	16.32
Backhoe Trench Per Ft -10000	24.48
Hand Trench Fraction - 0	0.00
Hand Trench Fraction - 5	0.00
Hand Trench Fraction - 100	0.00
Hand Trench Fraction - 200	0.01
Hand Trench Fraction - 650	0.02
Hand Trench Fraction - 850	0.04
Hand Trench Fraction - 2550	0.05
Hand Trench Fraction - 5000	0.06
Hand Trench Fraction -10000	0.10
Hand Trench Per Ft - 0	4.08
Hand Trench Per Ft - 5	4.08
Hand Trench Per Ft - 100	4.08
Hand Trench Per Ft - 200	4.08
Hand Trench Per Ft - 650	4.08
Hand Trench Per Ft - 850	4.08
Hand Trench Per Ft - 2550	4.08
Hand Trench Per Ft - 5000	8.16
Hand Trench Per Ft -10000	14.69
Bore Cable Fraction - 0	0.00
Bore Cable Fraction - 5	0.00
Bore Cable Fraction - 100	0.00
Bore Cable Fraction - 200	0.00
Bore Cable Fraction - 650	0.00
Bore Cable Fraction - 850	0.03
Bore Cable Fraction - 2550	0.04
Bore Cable Fraction - 5000	0.05
Bore Cable Fraction -10000	0.05
Bore Cable Per Ft - 0	8.98
Bore Cable Per Ft - 5	8.98
Bore Cable Per Ft - 100	8.98
Bore Cable Per Ft - 200	8.98
Bore Cable Per Ft - 650	8.98
Bore Cable Per Ft - 850	8.98
Bore Cable Per Ft - 2550	8.98
Bore Cable Per Ft - 5000	8.98
Bore Cable Per Ft -10000	14.69

Push Pipe/Pull Cable Fraction - 0	0.02
Push Pipe/Pull Cable Fraction - 5	0.02
Push Pipe/Pull Cable Fraction - 100	0.02
Push Pipe/Pull Cable Fraction - 200	0.02
Push Pipe/Pull Cable Fraction - 650	0.02
Push Pipe/Pull Cable Fraction - 850	0.04
Push Pipe/Pull Cable Fraction - 2550	0.05
Push Pipe/Pull Cable Fraction - 5000	0.06
Push Pipe/Pull Cable Fraction -10000	0.06
Push Pipe/Pull Cable Per Ft - 0	4.90
Push Pipe/Pull Cable Per Ft - 5	4.90
Push Pipe/Pull Cable Per Ft - 100	4.90
Push Pipe/Pull Cable Per Ft - 200	4.90
Push Pipe/Pull Cable Per Ft - 650	4.90
Push Pipe/Pull Cable Per Ft - 850	4.90
Push Pipe/Pull Cable Per Ft - 2550	4.90
Push Pipe/Pull Cable Per Ft - 5000	4.90
Push Pipe/Pull Cable Per Ft -10000	19.58
Cut/Restore Asphalt Fraction - 0	0.03
Cut/Restore Asphalt Fraction - 5	0.03
Cut/Restore Asphalt Fraction - 100	0.03
Cut/Restore Asphalt Fraction - 200	0.03
Cut/Restore Asphalt Fraction - 650	0.03
Cut/Restore Asphalt Fraction - 850	0.05
Cut/Restore Asphalt Fraction - 2550	0.08
Cut/Restore Asphalt Fraction - 5000	0.18
Cut/Restore Asphalt Fraction -10000	0.60
Cut/Restore Asphalt Per Ft - 0	4.90
Cut/Restore Asphalt Per Ft - 5	4.90
Cut/Restore Asphalt Per Ft - 100	4.90
Cut/Restore Asphalt Per Ft - 200	4.90
Cut/Restore Asphalt Per Ft - 650	4.90
Cut/Restore Asphalt Per Ft - 850	4.90
Cut/Restore Asphalt Per Ft - 2550	4.90
Cut/Restore Asphalt Per Ft - 5000	14.69
Cut/Restore Asphalt Per Ft -10000	24.48
Cut/Restore Concrete Fraction - 0	0.01
Cut/Restore Concrete Fraction - 5	0.01
Cut/Restore Concrete Fraction - 100	0.01
Cut/Restore Concrete Fraction - 200	0.01
Cut/Restore Concrete Fraction - 650	0.01
Cut/Restore Concrete Fraction - 850	0.03
Cut/Restore Concrete Fraction - 2550	0.05
Cut/Restore Concrete Fraction - 5000	0.08
Cut/Restore Concrete Fraction -10000	0.20

[redacted]	
Cut/Restore Concrete Per Ft - 0	7.34
Cut/Restore Concrete Per Ft - 5	7.34
Cut/Restore Concrete Per Ft - 100	7.34
Cut/Restore Concrete Per Ft - 200	7.34
Cut/Restore Concrete Per Ft - 650	7.34
Cut/Restore Concrete Per Ft - 850	7.34
Cut/Restore Concrete Per Ft - 2550	7.34
Cut/Restore Concrete Per Ft - 5000	17.14
Cut/Restore Concrete Per Ft -10000	29.38
Cut/Restore Sod Fraction - 0	0.02
Cut/Restore Sod Fraction - 5	0.02
Cut/Restore Sod Fraction - 100	0.02
Cut/Restore Sod Fraction - 200	0.02
Cut/Restore Sod Fraction - 650	0.02
Cut/Restore Sod Fraction - 850	0.35
Cut/Restore Sod Fraction - 2550	0.35
Cut/Restore Sod Fraction - 5000	0.11
Cut/Restore Sod Fraction -10000	0.05
Cut/Restore Sod Per Ft - 0	0.82
Cut/Restore Sod Per Ft - 5	0.82
Cut/Restore Sod Per Ft - 100	0.82
Cut/Restore Sod Per Ft - 200	0.82
Cut/Restore Sod Per Ft - 650	0.82
Cut/Restore Sod Per Ft - 850	0.82
Cut/Restore Sod Per Ft - 2550	0.82
Cut/Restore Sod Per Ft - 5000	0.82
Cut/Restore Sod Per Ft -10000	0.82
Restoration Not Required - 0	0.62
Restoration Not Required - 5	0.62
Restoration Not Required - 100	0.62
Restoration Not Required - 200	0.52
Restoration Not Required - 650	0.37
Restoration Not Required - 850	0.27
Restoration Not Required - 2550	0.09
Restoration Not Required - 5000	0.11
Restoration Not Required -10000	0.11
Simple Backfill - 0	0.12
Simple Backfill - 5	0.12
Simple Backfill - 100	0.12
Simple Backfill - 200	0.12
Simple Backfill - 650	0.12
Simple Backfill - 850	0.12
Simple Backfill - 2550	0.12
Simple Backfill - 5000	0.12
Simple Backfill -10000	0.12

[illegible]	[illegible]	[illegible]	[illegible]
BY	Bouldery	1	1
BY-COS	Bouldery Coarse Sand	1	1
BY-FSL	Bouldery & Fine Sandy Loam	1	1
BY-L	Bouldery & Loam	1	1
BY-LS	Bouldery & Sandy Loam	1	1
BY-SICL	Bouldery & Silty Clay Loam	1	1
BY-SL	Bouldery & Sandy Loam	1	1
BYV	Very Bouldery	1.1	1
BYV-FSL	Very Bouldery & Fine Sandy Loam	1.1	1
BYV-L	Very bouldery & Loamy	1.1	1
BYV-LS	Very Bouldery & Loamy Sand	1.1	1
BYV-SIL	Very Bouldery & Silt	1.1	1
BYV-SL	Very Bouldery & Sandy Loam	1.1	1
BYX	Extremely Bouldery	1.3	1
BYX-FSL	Extremely Bouldery & Fine Sandy Loam	1.3	1
BYX-L	Extremely Bouldery & Loamy	1.3	1
BYX-SIL	Extremely Bouldery & Silt Loam	1.3	1
BYX-SL	Extremely Bouldery & Sandy Loam	1.3	1
C	Clay	1	1
CB	Cobbly	1	1
CB-C	Cobbly & Clay	1	1
CB-CL	Cobbly & Clay Loam	1	1
CB-COSL	Cobbly & Coarse Sandy Loam	1	1
CB-FS	Cobbly & Fine Sand	1.1	1
CB-FSL	Cobbly & Fine Sandy Loam	1.1	1
CB-L	Cobbly & Loamy	1	1
CB-LCOS	Cobbly & Loamy coarseSand	1	1
CB-LS	Cobbly & Loamy Sand	1	1
CB-S	Cobbly & Sand	1.1	1
CB-SCL	Cobbly & Sandy Clay Loam	1	1
CB-SICL	Cobbly & Silty Clay Loam	1	1
CB-SIL	Cobbly & Silt Loam	1	1
CB-SL	Cobbly & Sandy Loam	1.1	1
CBA	Angular Cobbly	1	1
CBA-FSL	Angular Cobbly & Fine Sandy Loam	1.1	1
CBV	Very Cobbly	1.2	1
CBV-C	Very Cobbly & Clay	1.2	1
CBV-CL	Very Cobbly & Clay Loam	1.2	1
CBV-FSL	Very Cobbly & Fine Sandy Loam	1.2	1
CBV-L	Very Cobbly & Loamy	1.2	1
CBV-LFS	Very Cobbly & Fine Loamy Sand	1.2	1
CBV-LS	Very Cobbly & Loamy Sand	1.2	1
CBV-MUCK	Very Cobbly & Muck	1.2	1
CBV-SCL	Very Cobbly & Sandy Clay Loam	1.2	1
CBV-SIL	Very Cobbly & Silt	1.2	1

CBV-SL	Very Cobbly & Sandy Loam	1.2	1
CBV-VFS	Very Cobbly & Very Fine Sand	1.2	1
CBX	Extremely Cobbly	1.2	1
CBX-CL	Extremely Cobbly & Clay	1.2	1
CBX-L	Extremely Cobbly Loam	1.2	1
CBX-SIL	Extremely Cobbly & Silt	1.2	1
CBX-SL	Extremely Cobbly &Sandy Loam	1.2	1
CBX-VFSL	Extremely Cobbly Very Fine Sandy Loam	1.3	1
CE	Coprogenous Earth	1	1
CIND	Cinders	1	1
CL	Clay Loam	1	1
CM	Cemented	1.3	1
CN	Channery	1	1
CN-CL	Channery & Clay Loam	1	1
CN-FSL	Channery & Fine Sandy Loam	1.1	1
CN-L	Channery & Loam	1	1
CN-SICL	Channery & Silty Clay Loam	1	1
CN-SIL	Channery & Silty Loam	1	1
CN-SL	Channery & Sandy Loam	1	1
CNV	Very Channery	1	1
CNV-CL	Very Channery & Clay	1	1
CNV-L	Very Channery & Loam	1	1
CNV-SCL	Channery & Sandy Clay Loam	1	1
CNV-SIL	Very Channery & Silty Loam	1	1
CNV-SL	Very Channery & Sandy Loam	1	1
CNX	Extremely Channery	1	1
CNX-SL	Extremely Channery & Sandy Loam	1	1
COS	Coarse Sand	1	1
COSL	Coarse Sandy Loam	1	1
CR	Cherty	1.2	1
CR-L	Cherty & Loam	1.2	1
CR-SICL	Cherty & Silty Clay Loam	1.2	1
CR-SIL	Cherty & Silty Loam	1.2	1
CR-SL	Cherty & Sandy Loam	1.2	1
CRC	Coarse Cherty	1.2	1
CRV	Very Cherty	1.2	1
CRV-L	Very Cherty & Loam	1.2	1
CRV-SIL	Very Cherty & Silty Loam	1.2	1
CRX	Extremely Cherty	1.3	1
CRX-SIL	Extremely Cherty & Silty Loam	1.3	1
DE	Diatomaceous Earth	1	1
FB	Fibric Material	1	1
FINE	Fine	1	1
FL	Flaggy	1	1
FL-FSL	Flaggy & Fine Sandy Loam	1.1	1
FL-L	Flaggy & Loam	1	1
FL-SIC	Flaggy & Silty Clay	1	1

FL-SICL	Flaggy & Silty Clay Loam	1	1
FL-SIL	Flaggy & Silty Loam	1	1
FL-SL	Flaggy & Sandy Loam	1	1
FLV	Very Flaggy	1.1	1
FLV-COSL	Very Flaggy & Coarse Sandy Loam	1.1	1
FLV-L	Very Flaggy & Loam	1.1	1
FLV-SICL	Very Flaggy & Silty Clay Loam	1.1	1
FLV-SL	Very Flaggy & Sandy Loam	1.1	1
FLX	Extremely Flaggy	1.1	1
FLX-L	Extremely Flaggy & Loamy	1.1	1
FRAG	Fragmental Material	1	1
FS	Fine Sand	1.1	1
FSL	Fine Sandy Loam	1.1	1
G	Gravel	1	1
GR	Gravelly	1	1
GR-C	Gravel & Clay	1	1
GR-CL	Gravel & Clay Loam	1	1
GR-COS	Gravel & Coarse Sand	1	1
GR-COSL	Gravel & Coarse Sandy Loam	1	1
GR-FS	Gravel & Fine Sand	1	1
GR-FSL	Gravel & Fine Sandy Loam	1	1
GR-L	Gravel & Loam	1	1
GR-LCOS	Gravel & Loamy Coarse Sand	1	1
GR-LFS	Gravel & Loamy Fine Sand	1.1	1
GR-LS	Gravel & Loamy Sand	1	1
GR-MUCK	Gravel & Muck	1	1
GR-S	Gravel & Sand	1	1
GR-SCL	Gravel & Sandy Clay Loam	1	1
GR-SIC	Gravel & Silty Clay	1	1
GR-SICL	Gravel & Silty Clay Loam	1	1
GR-SIL	Gravel & Silty Loam	1	1
GR-SL	Gravel & Sandy Loam	1	1
GR-VFSL	Gravel & Very Fine Sandy Loam	1.1	1
GRC	Coarse Gravelly	1	1
GRF	Fine Gravel	1	1
GRF-SIL	Fine Gravel Silty Loam	1	1
GRV	Very Gravelly	1	1
GRV-CL	Very gravelly & Clay Loam	1	1
GRV-COS	Very Gravelly & coarse Sand	1	1
GRV-COSL	Very Gravelly & coarse Sandy Loam	1	1
GRV-FSL	Very Gravelly & Fine Sandy Loam	1	1
GRV-L	Very Gravelly & Loam	1	1
GRV-LCOS	Very Gravelly & Loamy Coarse Sand	1	1
GRV-LS	Very Gravelly & Loamy Sand	1	1
GRV-S	Very Gravelly & Sand	1	1
GRV-SCL	Very Gravelly & Sandy Clay Loam	1	1
GRV-SICL	Very Gravelly & Silty Clay Loam	1	1

GRV-SIL	Very Gravelly & Silt	1	1
GRV-SL	Very Gravelly & Sandy Loam	1	1
GRV-VFS	Very Gravelly & Very Fine Sand	1	1
GRV-VFSL	Very Gravelly & Very Fine Sandy Loam	1	1
GRX	Extremely Gravelly	1.1	1
GRX-CL	Extremely Gravelly & Coarse Loam	1.1	1
GRX-COS	Extremely Gravelly & Coarse Sand	1.1	1
GRX-COSL	Extremely Gravelly & Coarse Sandy Loam	1.1	1
GRX-FSL	Extremely Gravelly & Fine Sand Loam	1.1	1
GRX-L	Extremely Gravelly & Loam	1.1	1
GRX-LCOS	Extremely Gravelly & Loamy Coarse	1.1	1
GRX-LS	Extremely Gravelly & Loamy Sand	1.1	1
GRX-S	Extremely Gravelly & Sand	1.1	1
GRX-SIL	Extremely Gravelly & Silty Loam	1.1	1
GRX-SL	Extremely Gravelly & Sandy Loam	1.1	1
GYP	Gypsiferous Material	1.2	1
HM	Hemic Material	1	1
ICE	Ice or Frozen Soil	1.5	1
IND	Indurated	1.2	1
L	Loam	1	1
LCOS	Loamy Coarse Sand	1	1
LFS	Loamy Fine Sand	1.1	1
LS	Loamy Sand	1	1
LVFS	Loamy Very Fine Sand	1	1
MARL	Marl	1	1
MEDIUM	Medium Coarse	1	1
MK	Mucky	1	1
MK-C	Mucky Clay	1	1
MK-CL	Mucky Clay Loam	1	1
MK-FS	Muck & Fine Sand	1	1
MK-FSL	Muck & Fine Sandy Loam	1	1
MK-L	Mucky Loam	1	1
MK-LFS	Mucky Loamy Fine Sand	1	1
MK-LS	Mucky Loamy Sand	1	1
MK-S	Muck & Sand	1	1
MK-SI	Mucky & Silty	1	1
MK-SICL	Mucky & Silty Clay Loam	1	1
MK-SIL	Mucky Silt	1	1
MK-SL	Mucky & Sandy Loam	1	1
MK-VFSL	Mucky & Very Fine Sandy Loam	1	1
MPT	Mucky Peat	1	1
MUCK	Muck	1	1
PEAT	Peat	1	1
PT	Peaty	1	1
RB	Rubbly	1.5	1
RB-FSL	Rubbly Fine Sandy Loam	1.5	1
S	Sand	1	1

SC	Sandy Clay	1	1
SCL	Sandy Clay Loam	1	1
SG	Sand & Gravel	1	1
SH	Shaly	1	1
SH-CL	Shaly & Clay	1	1
SH-L	Shale & Loam	1	1
SH-SICL	Shaly & Silty Clay Loam	1	1
SH-SIL	Shaly & Silt Loam	1	1
SHV	Very Shaly	1.5	1
SHV-CL	Very Shaly & Clay Loam	1.5	1
SHX	Extremely Shaly	2	1
SI	Silt	1	1
SIC	Silty Clay	1	1
SICL	Silty Clay Loam	1	1
SIL	Silt Loam	1	1
SL	Sandy Loam	1	1
SP	Sapric Material	1	1
SR	Stratified	1	1
ST	Stony	1	1
ST-C	Stony & Clay	1	1
ST-CL	Stony & Clay Loam	1	1
ST-COSL	Stony & Coarse Sandy Loam	1	1
ST-FSL	Stony & Fine Sandy Loam	1.1	1
ST-L	Stony & Loamy	1	1
ST-LCOS	Stony & Loamy Coarse Sand	1	1
ST-LFS	Stony & Loamy Fine Sand	1.1	1
ST-LS	Stony & Loamy Sand	1	1
ST-SIC	Stony & Silty Clay	1	1
ST-SICL	Stony & Silty Clay Loam	1	1
ST-SIL	Stony & Silt Loam	1	1
ST-SL	Stony & Sandy Loam	1	1
ST-VFSL	Stony & Sandy Very Fine Silty Loam	1.1	1
STV	Very Stony	1.2	1
STV-C	Very Stony & Clay	1.2	1
STV-CL	Very Stony & Clay Loam	1.2	1
STV-FSL	Very Stony & Fine Sandy Loam	1.2	1
STV-L	Very Stony & Loamy	1.2	1
STV-LFS	Very Stony & Loamy Fine Sand	1.2	1
STV-LS	Very Stony & Loamy Sand	1.2	1
STV-MPT	Very Stony & Mucky Peat	1.2	1
STV-MUCK	Very Stony & Muck	1.2	1
STV-SICL	Very Stony & Silty Clay Loam	1.2	1
STV-SIL	Very Stony & Silty Loam	1.2	1
STV-SL	Very Stony & Sandy Loam	1.2	1
STV-VFSL	Very Stony & Very Fine Sandy Loam	1.2	1
STX	Extremely Stony	1.3	1
STX-C	Extremely Stony & Clay	1.3	1

STX-CL	Extremely Stony & Clay Loam	1.3	1
STX-COS	Extremely Stony & Coarse Sand	1.3	1
STX-COSL	Extremely Stony & Coarse Sand Loam	1.3	1
STX-FSL	Extremely Stony & Fine Sandy Loam	1.3	1
STX-L	Extremely Stony & Loamy	1.3	1
STX-LCOS	Extremely Stony & Loamy Coarse Sand	1.3	1
STX-LS	Extremely Stony & Loamy Sand	1.3	1
STX-MUCK	Extremely Stony & Muck	1.3	1
STX-SIC	Extremely Stony & Silty Clay	1.3	1
STX-SICL	Extremely Stony & Silty Clay Loam	1.3	1
STX-SIL	Extremely Stony & Silty Loam	1.3	1
STX-SL	Extremely Stony & Sandy Loam	1.3	1
STX-VFSL	Extremely Stony & Very Fine Sandy Loam	1.3	1
SY	Slaty	3	1
SY-L	Slaty & Loam	3	1
SY-SIL	Slaty & Silty Loam	3	1
SYV	Very Slaty	3.5	1
SYX	Extremely Slaty	4	1
UNK	Unknown	1	1
UWB	Unweathered Bedrock	2	1
VAR	Variable	1	1
VFS	Very Fine Sand	1	1
VFSL	Very Fine Sandy loam	1	1
WB	Weathered Bedrock	3	1

[redacted]	
Regional Labor Adjustment Factor	1
Contractor excavation and restoration	0.125
Telco construction -- copper	0.164
Telco construction -- fiber	0.364
Telco drop/NID installation and maintenance	0.571
Contractor pole setting	0.518

NOTE: This sheet diplays all user adjustable inputs which vary from HM 5.0a default settings

Workfile Name: C:\HM50\WORKFILES\HMWKKY2651829999.XLS
Distribution Module Name: C:\HM50\MODULES\R50a_distribution.xls
Feeder Module Name: C:\HM50\MODULES\R50a_feeder.xls
Switching Module Name: C:\HM50\MODULES\R50a_switching_io.xls
Expense Module Name: C:\HM50\MODULES\R50a_expense_wirecenter.xls

Module	Scenario Input	Value
Distribution	Distribution Cable Fill - 0	0.65
Distribution	Distribution Cable Fill - 5	0.65
Distribution	Distribution Cable Fill - 100	0.65
Distribution	Distribution Cable Fill - 200	0.65
Distribution	Distribution Cable Fill - 850	0.65
Distribution	Distribution Cable Fill - 2550	0.65
Distribution	Distribution Cable Fill - 5000	0.65
Distribution	Distribution Cable Fill - 10000	0.65
Distribution	Drop Distance, feet - 100	150
Distribution	Drop Distance, feet - 200	150
Distribution	Drop Distance, feet - 650	150
Distribution	Drop Distance, feet - 850	150
Distribution	Drop Distance, feet - 2550	150
Distribution	Drop Distance, feet - 5000	150
Distribution	Drop Distance, feet - 10000	150
Distribution	Aerial Drop Placement (total) - 0	45.9
Distribution	Aerial Drop Placement (total) - 5	45.9
Distribution	Aerial Drop Placement (total) - 100	45.9
Distribution	Aerial Drop Placement (total) - 200	45.9
Distribution	Aerial Drop Placement (total) - 650	45.9
Distribution	Aerial Drop Placement (total) - 850	45.9
Distribution	Aerial Drop Placement (total) - 2550	45.9
Distribution	Aerial Drop Placement (total) - 5000	45.9
Distribution	Aerial Drop Placement (total) - 10000	45.9
Distribution	Buried Drop Placement (total) - 0	0.59
Distribution	Buried Drop Placement (total) - 5	0.59
Distribution	Buried Drop Placement (total) - 100	0.59
Distribution	Buried Drop Placement (total) - 200	0.59
Distribution	Buried Drop Placement (total) - 650	0.59
Distribution	Buried Drop Placement (total) - 850	0.59
Distribution	Buried Drop Placement (total) - 2550	0.59
Distribution	Buried Drop Placement (total) - 5000	0.59
Distribution	Buried Drop Placement (total) - 10000	0.59
Distribution	Buried Drop Sharing Fraction - 0	0.85
Distribution	Buried Drop Sharing Fraction - 5	0.85
Distribution	Buried Drop Sharing Fraction - 100	0.85
Distribution	Buried Drop Sharing Fraction - 200	0.85
Distribution	Buried Drop Sharing Fraction - 650	0.85
Distribution	Buried Drop Sharing Fraction - 850	0.85
Distribution	Buried Drop Sharing Fraction - 2550	0.85
Distribution	Buried Drop Sharing Fraction - 5000	0.85
Distribution	Buried Drop Sharing Fraction - 10000	0.85
Distribution	Buried Cable Jacketing Multiplier	1.044

[illegible]	[illegible]	[illegible]
Distribution	Residential NID case, no protector	7.57
Distribution	Residential NID basic labor	32.3
Distribution	Residential Protection Block, per pair	8.08
Distribution	Business NID case, no protector	7.57
Distribution	Business NID basic labor	32.3
Distribution	Business Protection Block, per pair	8.08
Distribution	Terminal and Splice per line, buried	0
Distribution	Terminal and Splice per line, aerial	0
Distribution	Drop cable investment per foot buried	0.138
Distribution	Drop cable investment per foot aerial	0.078
Distribution	High Density DLC Site and Power	0
Distribution	High Density DLC RT Fill Factor	0.859
Distribution	High Density DLC Basic Common Eqpt Invest + initial lines	112659
Distribution	High Density DLC POTS Channel Unit Investment	71.65
Distribution	High Density DLC POTS Lines per CU	2
Distribution	High Density DLC Coin Channel Unit Investment	435.85
Distribution	High Density DLC Coin Lines per CU	1
Distribution	High Density DLC 303/LD crossover, lines	576
Distribution	High Density DLC Optical Patch Panel	606.83
Distribution	High Density DLC Common Eqpt Invest per additional 672 lines	37008
Distribution	Low Density DLC Site and Power	0
Distribution	Low Density DLC Maximum Lines/Increment	192
Distribution	Low Density DLC RT Fill Factor	0.859
Distribution	Low Density DLC Basic Common Eqpt Invest + initial lines	62052
Distribution	Low Density DLC POTS Channel Unit Investment	85.98
Distribution	Low Density DLC POTS Lines per CU	2
Distribution	Low Density DLC Coin Channel Unit Investment	423.91
Distribution	Low Density DLC Coin Lines per CU	1
Distribution	Low Density DLC Optical Patch Panel	606.83
Distribution	Low Density DLC Common Eqpt Invest per additional 96 lines	17518
Distribution	Low Density DLC Maximum Number of additional line modules/RT	9
Distribution	Distribution Cable Investment per foot 1	43.58
Distribution	Distribution Cable Investment per foot 2	32.52
Distribution	Distribution Cable Investment per foot 3	21.83
Distribution	Distribution Cable Investment per foot 4	16.31
Distribution	Distribution Cable Investment per foot 5	11.05
Distribution	Distribution Cable Investment per foot 6	7.35
Distribution	Distribution Cable Investment per foot 7	4.29
Distribution	Distribution Cable Investment per foot 8	2.51
Distribution	Distribution Cable Investment per foot 9	1.74
Distribution	Distribution Cable Investment per foot 10	1.23
Distribution	Distribution Cable Investment per foot 11	1
Distribution	Distribution Cable Investment per foot 12	0.89
Distribution	Local RT - Maximum Total Distance	15000
Distribution	SAI Cable Size 12	0
Distribution	SAI Outdoor Investment 1	22700
Distribution	SAI Outdoor Investment 2	18900
Distribution	SAI Outdoor Investment 3	15100
Distribution	SAI Outdoor Investment 4	11800
Distribution	SAI Outdoor Investment 5	10100
Distribution	SAI Outdoor Investment 6	7300
Distribution	SAI Outdoor Investment 7	5900

	Scenario Input	
Distribution	SAI Outdoor Investment 8	4500
Distribution	SAI Outdoor Investment 9	3100
Distribution	SAI Outdoor Investment 10	1800
Distribution	SAI Outdoor Investment 11	1200
Distribution	SAI Outdoor Investment 12	0
Feeder	Copper Feeder Fill - 0	0.727
Feeder	Copper Feeder Fill - 5	0.727
Feeder	Copper Feeder Fill - 100	0.727
Feeder	Copper Feeder Fill - 200	0.727
Feeder	Copper Feeder Fill - 650	0.727
Feeder	Copper Feeder Fill - 850	0.727
Feeder	Copper Feeder Fill - 2550	0.727
Feeder	Copper Feeder Fill - 5000	0.727
Feeder	Copper Feeder Fill - 10000	0.727
Feeder	Fiber Feeder Strand Fill - 0	0.945
Feeder	Fiber Feeder Strand Fill - 5	0.945
Feeder	Fiber Feeder Strand Fill - 100	0.945
Feeder	Fiber Feeder Strand Fill - 200	0.945
Feeder	Fiber Feeder Strand Fill - 650	0.945
Feeder	Fiber Feeder Strand Fill - 850	0.945
Feeder	Fiber Feeder Strand Fill - 2550	0.945
Feeder	Fiber Feeder Strand Fill - 5000	0.945
Feeder	Fiber Feeder Strand Fill - 10000	0.945
Feeder	Fiber Feeder Investment per foot - 216	7.73
Feeder	Fiber Feeder Investment per foot - 144	6.63
Feeder	Fiber Feeder Investment per foot - 96	4.52
Feeder	Fiber Feeder Investment per foot - 72	3.91
Feeder	Fiber Feeder Investment per foot - 60	3.58
Feeder	Fiber Feeder Investment per foot - 48	3.3
Feeder	Fiber Feeder Investment per foot - 36	3.02
Feeder	Fiber Feeder Investment per foot - 24	2.8
Feeder	Fiber Feeder Investment per foot - 18	2.59
Feeder	Fiber Feeder Investment per foot - 12	2.43
Feeder	Copper Feeder Investment per foot - 4200	76.27
Feeder	Copper Feeder Investment per foot - 3600	65.37
Feeder	Copper Feeder Investment per foot - 3000	54.48
Feeder	Copper Feeder Investment per foot - 2400	43.58
Feeder	Copper Feeder Investment per foot - 1800	32.52
Feeder	Copper Feeder Investment per foot - 1200	21.83
Feeder	Copper Feeder Investment per foot - 900	16.31
Feeder	Copper Feeder Investment per foot - 600	11.05
Feeder	Copper Feeder Investment per foot - 400	7.35
Feeder	Copper Feeder Investment per foot - 200	4.29
Feeder	Copper Feeder Investment per foot - 100	2.51
Feeder	Buried Copper Cable Sheath Multiplier	1.044
Feeder	Conduit Material Investment per foot	2.74
Feeder	Spare Tubes per section	0
Feeder	Fiber investment/strand - foot	0.069
Feeder	Copper investment/pair - foot	0.018
Feeder	Copper Manhole Materials - 0	0
Feeder	Copper Manhole Materials - 5	0
Feeder	Copper Manhole Materials - 100	0

[illegible]	Scenario Input	[illegible]
Feeder	Copper Manhole Materials - 200	0
Feeder	Copper Manhole Materials - 650	0
Feeder	Copper Manhole Materials - 850	0
Feeder	Copper Manhole Materials - 2550	0
Feeder	Copper Manhole Materials - 5000	0
Feeder	Copper Manhole Materials - 10000	0
Feeder	Copper Manhole Frame and Cover - 0	0
Feeder	Copper Manhole Frame and Cover - 5	0
Feeder	Copper Manhole Frame and Cover - 100	0
Feeder	Copper Manhole Frame and Cover - 200	0
Feeder	Copper Manhole Frame and Cover - 650	0
Feeder	Copper Manhole Frame and Cover - 850	0
Feeder	Copper Manhole Frame and Cover - 2550	0
Feeder	Copper Manhole Frame and Cover - 5000	0
Feeder	Copper Manhole Frame and Cover - 10000	0
Feeder	Copper Manhole Site Delivery - 0	0
Feeder	Copper Manhole Site Delivery - 5	0
Feeder	Copper Manhole Site Delivery - 100	0
Feeder	Copper Manhole Site Delivery - 200	0
Feeder	Copper Manhole Site Delivery - 650	0
Feeder	Copper Manhole Site Delivery - 850	0
Feeder	Copper Manhole Site Delivery - 2550	0
Feeder	Copper Manhole Site Delivery - 5000	0
Feeder	Copper Manhole Site Delivery - 10000	0
Feeder	Copper Manhole Excavate and Backfill - 0	0
Feeder	Copper Manhole Excavate and Backfill - 5	0
Feeder	Copper Manhole Excavate and Backfill - 100	0
Feeder	Copper Manhole Excavate and Backfill - 200	0
Feeder	Copper Manhole Excavate and Backfill - 650	0
Feeder	Copper Manhole Excavate and Backfill - 850	0
Feeder	Copper Manhole Excavate and Backfill - 2550	0
Feeder	Copper Manhole Excavate and Backfill - 5000	0
Feeder	Copper Manhole Excavate and Backfill - 10000	0
Feeder	Fiber Pullbox Materials - 0	0
Feeder	Fiber Pullbox Materials - 5	0
Feeder	Fiber Pullbox Materials - 100	0
Feeder	Fiber Pullbox Materials - 200	0
Feeder	Fiber Pullbox Materials - 650	0
Feeder	Fiber Pullbox Materials - 850	0
Feeder	Fiber Pullbox Materials - 2550	0
Feeder	Fiber Pullbox Materials - 5000	0
Feeder	Fiber Pullbox Materials - 10000	0
Feeder	Fiber Pullbox Installation - 0	0
Feeder	Fiber Pullbox Installation - 5	0
Feeder	Fiber Pullbox Installation - 100	0
Feeder	Fiber Pullbox Installation - 200	0
Feeder	Fiber Pullbox Installation - 650	0
Feeder	Fiber Pullbox Installation - 850	0
Feeder	Fiber Pullbox Installation - 2550	0
Feeder	Fiber Pullbox Installation - 5000	0
Feeder	Fiber Pullbox Installation - 10000	0
Switching	Constant EO Switching Investment Term, BOC and large ICO	266.04

[illegible]	Scenario Input	[illegible]
Switching	Switch Port Administrative Fill	0.94
Switching	MDF/Protector Investment per line	23.38
Switching	Switch Installation Multiplier	1.101
Switching	Operator Traffic Fraction	0.005
Switching	Total Interoffice Traffic Fraction	0.5983
Switching	Trunk Port, per end	62.73
Switching	Tandem-routed Fraction of Total IntraLATA Traffic	0.33
Switching	Tandem-routed Fraction of Total InterLATA Traffic	0.33
Switching	Local Call Attempts	4661683
Switching	Call Completion Factor	0.7
Switching	IntraLATA Calls Completed	142226
Switching	InterLATA intrastate Calls Completed	109764
Switching	InterLATA interstate Calls Completed	332547
Switching	Local DEMs, thousands	23168965
Switching	Intrastate DEMs, thousands	2078034
Switching	Interstate DEMs, thousands	3297000
Switching	BH Fraction of Daily Usage	0.087
Switching	Annual to Daily Usage Reduction Factor	310
Switching	STP Link Capacity	1024
Switching	Minimum STP Investment, per pair	224000
Switching	Link Termination, both ends	725
Switching	C Link Cross Section	16
Switching	Fraction of BHCA requiring TCAP	0.5
Switching	SCP Investment/Transaction/Second	2444
Switching	Operator Intervention Factor	2
Switching	Power Investment 1	17000
Switching	Power Investment 2	24000
Switching	Power Investment 3	56000
Switching	Power Investment 4	164000
Switching	Power Investment 5	275000
Switching	OC-48 ADM, installed, 48 DS-3s	133563
Switching	OC-48 ADM, installed, 12 DS-3s	80825
Switching	OC-3/DS-1 Terminal Multiplexer, installed, 84 DS-1s	34705
Switching	Investment per 7 DS-1s	1060
Switching	Pigtrails, per strand	44.36
Switching	Optical Distribution Panel	4314
Switching	EF&I, per hour	0
Switching	EF&I hours	0
Switching	Channel Bank Investment, per 24 lines	3664
Switching	DCS installed, per DS-3	9381
Switching	Transmission Terminal Fill (DS-0 level)	0.8
Switching	Fiber Investment, fiber cable	2.8
Switching	Fiber Investment, buried sheath addition	0
Switching	Fiber Investment, conduit	2.74
Switching	Fiber, spare tubes per route	0
Switching	Fiber Investment, conduit placement	12.53
Switching	Fiber Investment, pullbox investsment	0
Switching	Fraction of Aerial Structure Assigned to Telephone	0.48
Switching	Fraction of Buried Structure Assigned to Telephone	0.85
Switching	Fraction of Underground Structure Assigned to Telephone	0.85
Expense	Cost of Debt	0.07
Expense	Debt Fraction	0.4

Module	Scenario Input	Value
Expense	Cost of Equity	0.125
Expense	Tax Rate	0.4036
Expense	Other Taxes Factor	0.0328
Expense	Forward-looking Network Operations Factor	0.7
Expense	Alternative CO Switching Factor	0.0517
Expense	Alternative Circuit Equipment Factor	0.0177
Expense	Distribution Aerial Shring Fraction - 0	0.48
Expense	Distribution Aerial Shring Fraction - 5	0.48
Expense	Distribution Aerial Shring Fraction - 100	0.48
Expense	Distribution Aerial Shring Fraction - 200	0.48
Expense	Distribution Aerial Shring Fraction - 650	0.48
Expense	Distribution Aerial Shring Fraction - 850	0.48
Expense	Distribution Aerial Shring Fraction - 2550	0.48
Expense	Distribution Aerial Shring Fraction - 5000	0.48
Expense	Distribution Aerial Shring Fraction - 10000	0.48
Expense	Distribution Buried Shring Fraction - 0	0.85
Expense	Distribution Buried Shring Fraction - 5	0.85
Expense	Distribution Buried Shring Fraction - 100	0.85
Expense	Distribution Buried Shring Fraction - 200	0.85
Expense	Distribution Buried Shring Fraction - 650	0.85
Expense	Distribution Buried Shring Fraction - 850	0.85
Expense	Distribution Buried Shring Fraction - 2550	0.85
Expense	Distribution Buried Shring Fraction - 5000	0.85
Expense	Distribution Buried Shring Fraction - 10000	0.85
Expense	Distribution Underground Shring Fraction - 0	0.85
Expense	Distribution Underground Shring Fraction - 5	0.85
Expense	Distribution Underground Shring Fraction - 100	0.85
Expense	Distribution Underground Shring Fraction - 200	0.85
Expense	Distribution Underground Shring Fraction - 650	0.85
Expense	Distribution Underground Shring Fraction - 850	0.85
Expense	Distribution Underground Shring Fraction - 2550	0.85
Expense	Distribution Underground Shring Fraction - 5000	0.85
Expense	Distribution Underground Shring Fraction - 10000	0.85
Expense	Feeder Aerial Shring Fraction - 0	0.48
Expense	Feeder Aerial Shring Fraction - 5	0.48
Expense	Feeder Aerial Shring Fraction - 100	0.48
Expense	Feeder Aerial Shring Fraction - 200	0.48
Expense	Feeder Aerial Shring Fraction - 650	0.48
Expense	Feeder Aerial Shring Fraction - 850	0.48
Expense	Feeder Aerial Shring Fraction - 2550	0.48
Expense	Feeder Aerial Shring Fraction - 5000	0.48
Expense	Feeder Aerial Shring Fraction - 10000	0.48
Expense	Feeder Underground Shring Fraction - 0	0.85
Expense	Feeder Underground Shring Fraction - 5	0.85
Expense	Feeder Underground Shring Fraction - 100	0.85
Expense	Feeder Underground Shring Fraction - 200	0.85
Expense	Feeder Underground Shring Fraction - 650	0.85
Expense	Feeder Underground Shring Fraction - 850	0.85
Expense	Feeder Underground Shring Fraction - 2550	0.85
Expense	Feeder Underground Shring Fraction - 5000	0.85
Expense	Feeder Underground Shring Fraction - 10000	0.85
Expense	Feeder Buried Shring Fraction - 0	0.85

	Scenario Input	
Expense	Feeder Buried Shring Fraction - 5	0.85
Expense	Feeder Buried Shring Fraction - 100	0.85
Expense	Feeder Buried Shring Fraction - 200	0.85
Expense	Feeder Buried Shring Fraction - 650	0.85
Expense	Feeder Buried Shring Fraction - 850	0.85
Expense	Feeder Buried Shring Fraction - 2550	0.85
Expense	Feeder Buried Shring Fraction - 5000	0.85
Expense	Feeder Buried Shring Fraction - 10000	0.85
Expense	Motor Vehicles - Economic Life	8.1
Expense	Garage Work Equipment - Economic Life	12
Expense	Other Work Equipment - Economic Life	16.2
Expense	Buildings - Economic Life	45
Expense	Furniture - Economic Life	14.1
Expense	Office Support Equipment - Economic Life	11.5
Expense	Company Comm. Equipment - Economic Life	7
Expense	General Purpose Computer - Economic Life	6
Expense	Digital Electronic Switching - Economic Life	16
Expense	Operator Systems - Economic Life	10
Expense	Digital Circuit Equipment - Economic Life	9.3
Expense	Public Telephone Terminal Equipment - Economic Life	7
Expense	Poles - Economic Life	34
Expense	Aerial Cable - metallic - Economic Life	20
Expense	Aerial Cable - non metallic - Economic Life	25
Expense	Underground Cable - non metallic - Economic Life	25
Expense	Buried - metallic - Economic Life	20
Expense	Buried - non metallic - Economic Life	25
Expense	Intrabuilding Cable - metallic - Economic Life	21
Expense	Intrabuilding Cable - non metallic - Economic Life	25
Expense	Conduit Systems - Economic Life	59
Expense	Motor Vehicles - Net Salvage %	0.12
Expense	Garage Work Equipment - Net Salvage %	0
Expense	Other Work Equipment - Net Salvage %	0
Expense	Buildings - Net Salvage %	0.03
Expense	Furniture - Net Salvage %	0.09
Expense	Office Support Equipment - Net Salvage %	0.1
Expense	Company Comm. Equipment - Net Salvage %	0.1
Expense	General Purpose Computer - Net Salvage %	0
Expense	Digital Electronic Switching - Net Salvage %	0
Expense	Operator Systems - Net Salvage %	0
Expense	Digital Circuit Equipment - Net Salvage %	0
Expense	Public Telephone Terminal Equipment - Net Salvage %	0.1
Expense	Poles - Net Salvage %	-0.61
Expense	Aerial Cable - metallic - Net Salvage %	-0.14
Expense	Aerial Cable - non metallic - Net Salvage %	-0.15
Expense	Underground Cable - metallic - Net Salvage %	-0.17
Expense	Underground Cable - non metallic - Net Salvage %	-0.15
Expense	Buried - metallic - Net Salvage %	-0.09
Expense	Buried - non metallic - Net Salvage %	-0.06
Expense	Intrabuilding Cable - metallic - Net Salvage %	-0.13
Expense	Intrabuilding Cable - non metallic - Net Salvage %	-0.13
Expense	Conduit Systems - Net Salvage %	-0.08
UG Excavation/Restoration	Trench Per Ft - 0	1.29

Module/Table	Scenario Input	
UG Excavation/Restoration	Trench Per Ft - 5	1.29
UG Excavation/Restoration	Trench Per Ft - 100	1.29
UG Excavation/Restoration	Trench Per Ft - 200	1.29
UG Excavation/Restoration	Trench Per Ft - 650	1.35
UG Excavation/Restoration	Trench Per Ft - 850	1.46
UG Excavation/Restoration	Trench Per Ft - 2550	1.46
UG Excavation/Restoration	Trench Per Ft - 5000	4.07
UG Excavation/Restoration	Trench Per Ft -10000	4.07
UG Excavation/Restoration	Backhoe Trench Per Ft - 0	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 5	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 100	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 200	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 650	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 850	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 2550	2.04
UG Excavation/Restoration	Backhoe Trench Per Ft - 5000	13.58
UG Excavation/Restoration	Backhoe Trench Per Ft -10000	20.37
UG Excavation/Restoration	Hand Trench Per Ft - 0	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 5	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 100	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 200	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 650	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 850	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 2550	3.4
UG Excavation/Restoration	Hand Trench Per Ft - 5000	6.79
UG Excavation/Restoration	Hand Trench Per Ft -10000	12.22
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 0	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 5	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 100	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 200	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 650	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 850	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 2550	4.07
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft - 5000	12.22
UG Excavation/Restoration	Cut/Restore Asphalt Per Ft -10000	20.37
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 0	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 5	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 100	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 200	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 650	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 850	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 2550	6.11
UG Excavation/Restoration	Cut/Restore Concrete Per Ft - 5000	14.26
UG Excavation/Restoration	Cut/Restore Concrete Per Ft -10000	24.44
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 0	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 5	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 100	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 200	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 650	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 850	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 2550	0.68
UG Excavation/Restoration	Cut/Restore Sod Per Ft - 5000	0.68

Module/Table	Component	[illegible]
UG Excavation/Restoration	Cut/Restore Sod Per Ft -10000	0.68
UG Excavation/Restoration	Pavement Stabilization Per Ft - 0	3.4
UG Excavation/Restoration	Pavement Stabilization Per Ft - 5	3.4
UG Excavation/Restoration	Pavement Stabilization Per Ft - 100	3.4
UG Excavation/Restoration	Pavement Stabilization Per Ft - 200	3.4
UG Excavation/Restoration	Pavement Stabilization Per Ft - 650	3.4
UG Excavation/Restoration	Pavement Stabilization Per Ft - 850	6.11
UG Excavation/Restoration	Pavement Stabilization Per Ft - 2550	8.83
UG Excavation/Restoration	Pavement Stabilization Per Ft - 5000	11.54
UG Excavation/Restoration	Pavement Stabilization Per Ft -10000	13.58
UG Excavation/Restoration	Dirt Stabilization Per Ft - 0	0.68
UG Excavation/Restoration	Dirt Stabilization Per Ft - 5	0.68
UG Excavation/Restoration	Dirt Stabilization Per Ft - 100	0.68
UG Excavation/Restoration	Dirt Stabilization Per Ft - 200	0.68
UG Excavation/Restoration	Dirt Stabilization Per Ft - 650	0.68
UG Excavation/Restoration	Dirt Stabilization Per Ft - 850	2.72
UG Excavation/Restoration	Dirt Stabilization Per Ft - 2550	7.47
UG Excavation/Restoration	Dirt Stabilization Per Ft - 5000	8.15
UG Excavation/Restoration	Dirt Stabilization Per Ft -10000	10.86
UG Excavation/Restoration	Simple Backfill - 0	0.1
UG Excavation/Restoration	Simple Backfill - 5	0.1
UG Excavation/Restoration	Simple Backfill - 100	0.1
UG Excavation/Restoration	Simple Backfill - 200	0.1
UG Excavation/Restoration	Simple Backfill - 650	0.1
UG Excavation/Restoration	Simple Backfill - 850	0.1
UG Excavation/Restoration	Simple Backfill - 2550	0.1
UG Excavation/Restoration	Simple Backfill - 5000	0.1
UG Excavation/Restoration	Simple Backfill -10000	0.1
Buried Excavation/Restoration	Plow Per Ft - 0	0.65
Buried Excavation/Restoration	Plow Per Ft - 5	0.65
Buried Excavation/Restoration	Plow Per Ft - 100	0.65
Buried Excavation/Restoration	Plow Per Ft - 200	0.65
Buried Excavation/Restoration	Plow Per Ft - 650	0.65
Buried Excavation/Restoration	Plow Per Ft - 850	0.98
Buried Excavation/Restoration	Plow Per Ft - 2550	0.98
Buried Excavation/Restoration	Plow Per Ft - 5000	0.98
Buried Excavation/Restoration	Plow Per Ft -10000	0.98
Buried Excavation/Restoration	Trench Per Ft - 0	1.55
Buried Excavation/Restoration	Trench Per Ft - 5	1.55
Buried Excavation/Restoration	Trench Per Ft - 100	1.55
Buried Excavation/Restoration	Trench Per Ft - 200	1.55
Buried Excavation/Restoration	Trench Per Ft - 650	1.59
Buried Excavation/Restoration	Trench Per Ft - 850	1.75
Buried Excavation/Restoration	Trench Per Ft - 2550	1.75
Buried Excavation/Restoration	Trench Per Ft - 5000	4.9
Buried Excavation/Restoration	Trench Per Ft -10000	12.24
Buried Excavation/Restoration	Backhoe Trench Per Ft - 0	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 5	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 100	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 200	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 650	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 850	2.45

Module/Table	Scenario Input	Value
Buried Excavation/Restoration	Backhoe Trench Per Ft - 2550	2.45
Buried Excavation/Restoration	Backhoe Trench Per Ft - 5000	16.32
Buried Excavation/Restoration	Backhoe Trench Per Ft -10000	24.48
Buried Excavation/Restoration	Hand Trench Per Ft - 0	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 5	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 100	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 200	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 650	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 850	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 2550	4.08
Buried Excavation/Restoration	Hand Trench Per Ft - 5000	8.16
Buried Excavation/Restoration	Hand Trench Per Ft -10000	14.69
Buried Excavation/Restoration	Bore Cable Per Ft - 0	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 5	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 100	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 200	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 650	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 850	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 2550	8.98
Buried Excavation/Restoration	Bore Cable Per Ft - 5000	8.98
Buried Excavation/Restoration	Bore Cable Per Ft -10000	14.69
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 0	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 5	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 100	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 200	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 650	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 850	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 2550	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft - 5000	4.9
Buried Excavation/Restoration	Push Pipe/Pull Cable Per Ft -10000	19.58
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 0	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 5	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 100	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 200	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 650	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 850	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 2550	4.9
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft - 5000	14.69
Buried Excavation/Restoration	Cut/Restore Asphalt Per Ft -10000	24.48
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 0	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 5	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 100	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 200	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 650	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 850	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 2550	7.34
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft - 5000	17.14
Buried Excavation/Restoration	Cut/Restore Concrete Per Ft -10000	29.38
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 0	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 5	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 100	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 200	0.82

[illegible]	[illegible]	[illegible]
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 650	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 850	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 2550	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft - 5000	0.82
Buried Excavation/Restoration	Cut/Restore Sod Per Ft -10000	0.82
Buried Excavation/Restoration	Simple Backfill - 0	0.12
Buried Excavation/Restoration	Simple Backfill - 5	0.12
Buried Excavation/Restoration	Simple Backfill - 100	0.12
Buried Excavation/Restoration	Simple Backfill - 200	0.12
Buried Excavation/Restoration	Simple Backfill - 650	0.12
Buried Excavation/Restoration	Simple Backfill - 850	0.12
Buried Excavation/Restoration	Simple Backfill - 2550	0.12
Buried Excavation/Restoration	Simple Backfill - 5000	0.12
Buried Excavation/Restoration	Simple Backfill -10000	0.12