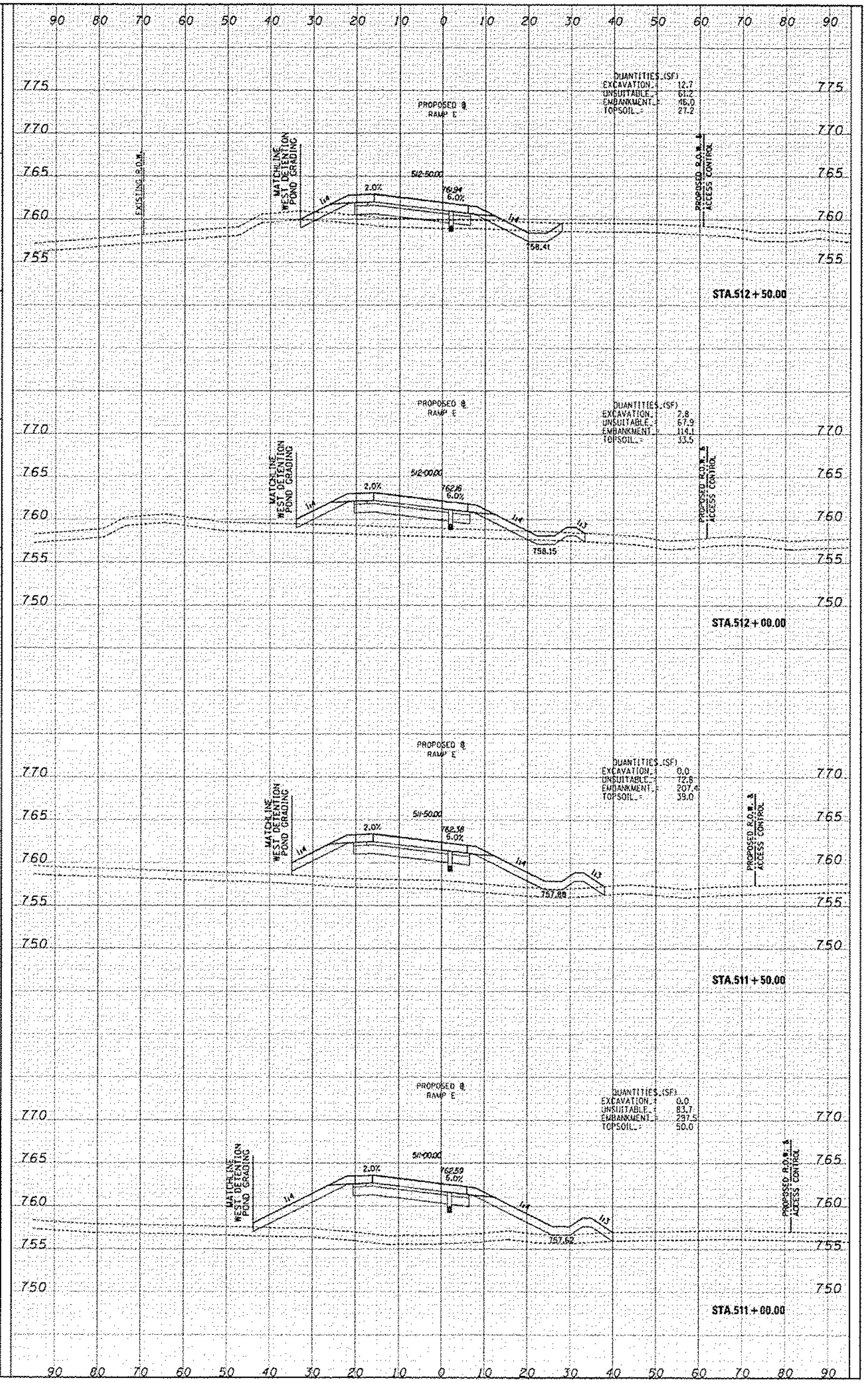


PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 12.7
UNSUITABLE = 61.2
EMBANKMENT = 46.0
TOPSOIL = 27.2
STA. 512+50.00
QUANTITIES (SF)
EXCAVATION = 2.8
UNSUITABLE = 67.9
EMBANKMENT = 114.1
TOPSOIL = 33.5
STA. 512+00.00
QUANTITIES (SF)
EXCAVATION = 0.0
UNSUITABLE = 72.8
EMBANKMENT = 207.6
TOPSOIL = 39.0
STA. 511+50.00
QUANTITIES (SF)
EXCAVATION = 0.0
UNSUITABLE = 83.7
EMBANKMENT = 297.5
TOPSOIL = 50.0
STA. 511+00.00
MATCHLINE WEST DETENTION POND GRADING
PROPOSED R.O.W. & ACCESS CONTROL
EXISTING R.O.W.

TYLIN INTERNATIONAL

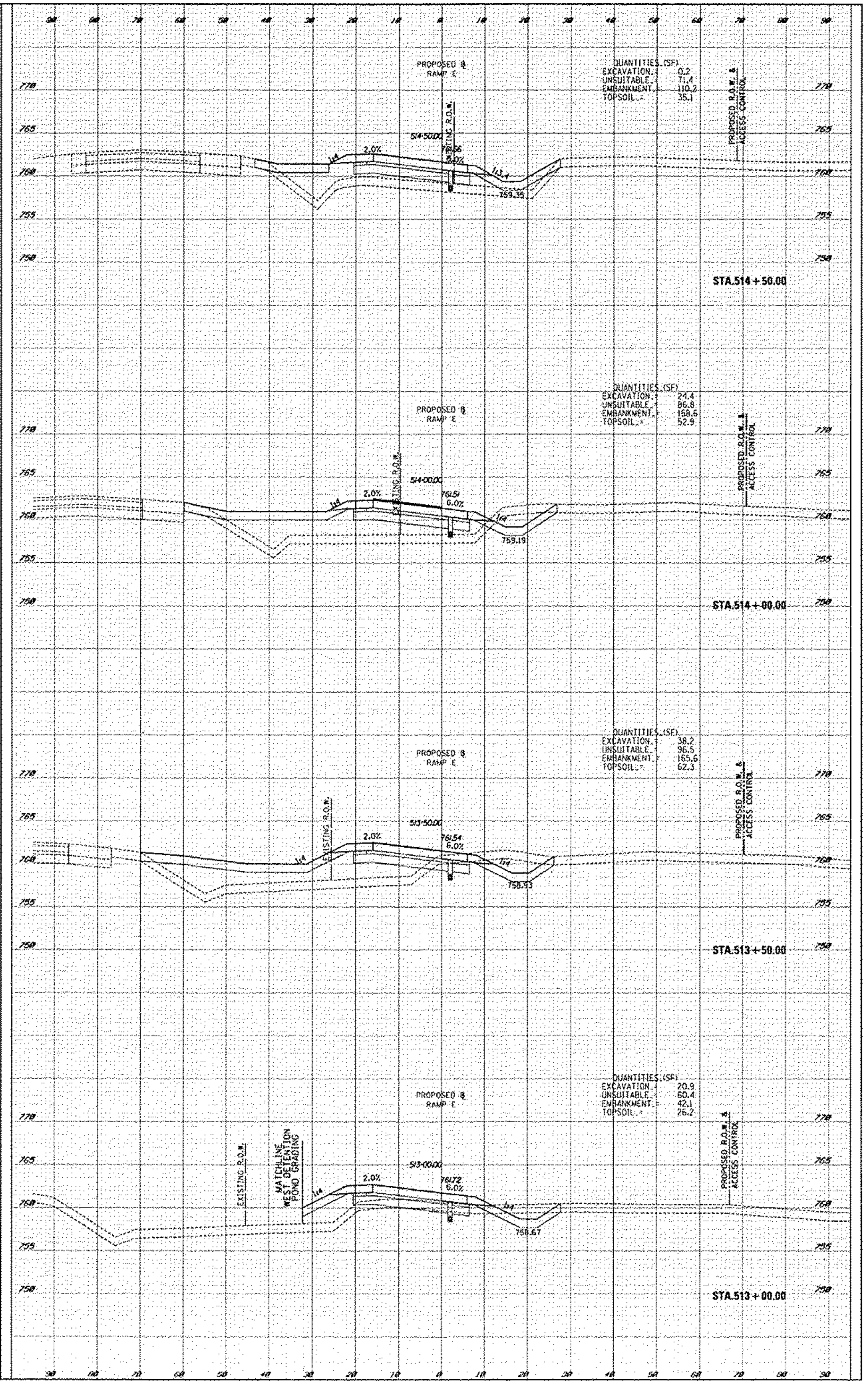
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

STA. 511+00.00 TO STA. 512+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-98-R1	WILL	679	602

CONTRACT NO. 60L69



TYLIN INTERNATIONAL

DESIGNED JCF | REVISED 10/18/2013
DRAWN JCF | REVISED
CHECKED JPW | REVISED
DATE 5/10/2013 | REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

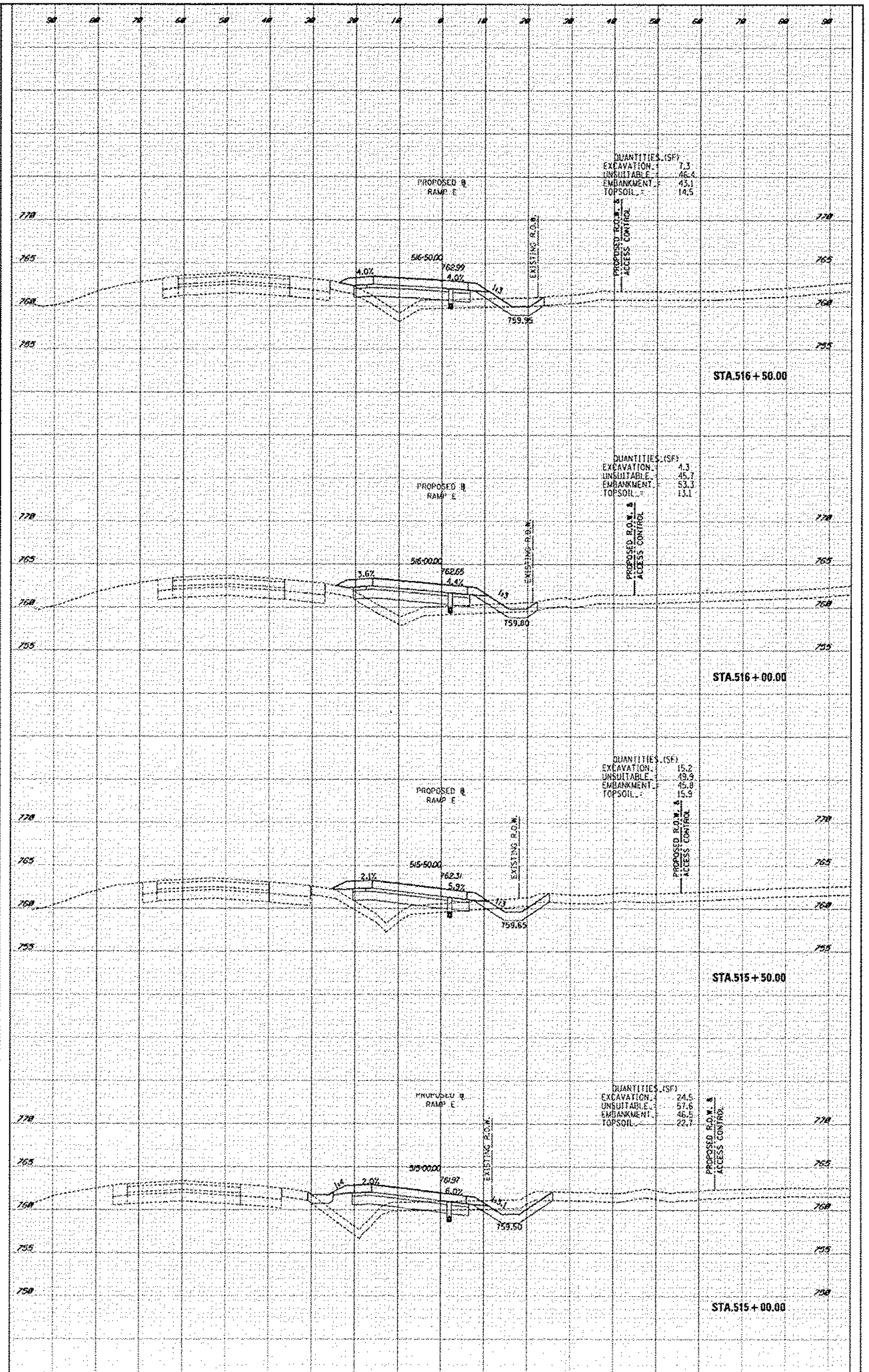
I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1"=10' H, 1"=5' V | SHEET NO. OF SHEETS | STA. 513+00.00 TO STA. 514+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-2HB-R1	WILL	679	602

CONTRACT NO. 60L69

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



TYLININTERNATIONAL

DESIGNED - JDF | REVISED - 10/18/2013
DRAWN - JDF | REVISED -
CHECKED - JPV | REVISED -
DATE - 5/10/2013 | REVISED -

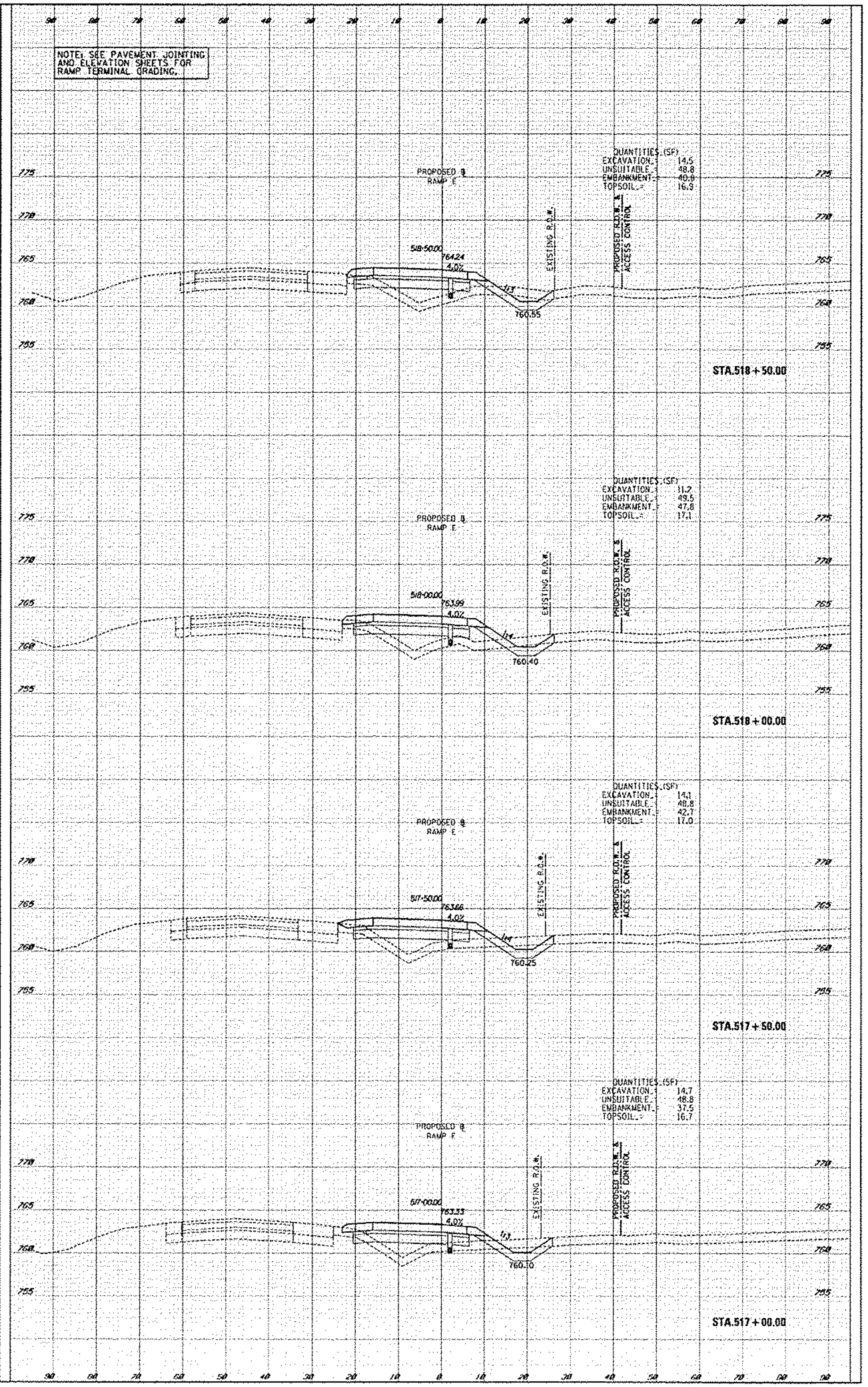
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1" = 5' | SHEET NO. OF SHEETS | STA. 515+00.00 TO STA. 516+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	633

CONTRACT NO. 60L69


NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
QUANTITIES (SF)
EXCAVATION = 14.5
UNSUITABLE = 48.8
EMBANKMENT = 40.6
TOPSOIL = 16.9
PROPOSED ℄ RAMP E
EXISTING R.O.W.
PROPOSED R.O.W. & ACCESS CONTROL
518+50.00
764.24
4.0%
760.55
STA. 518 + 50.00
QUANTITIES (SF)
EXCAVATION = 11.2
UNSUITABLE = 49.5
EMBANKMENT = 47.8
TOPSOIL = 17.1
518+00.00
763.99
4.0%
760.40
STA. 518 + 00.00
QUANTITIES (SF)
EXCAVATION = 14.1
UNSUITABLE = 48.8
EMBANKMENT = 42.7
TOPSOIL = 17.0
517+50.00
763.66
4.0%
760.25
STA. 517 + 50.00
QUANTITIES (SF)
EXCAVATION = 14.7
UNSUITABLE = 48.8
EMBANKMENT = 37.5
TOPSOIL = 16.7
517+00.00
763.33
4.0%
760.10
STA. 517 + 00.00

TYLININTERNATIONAL

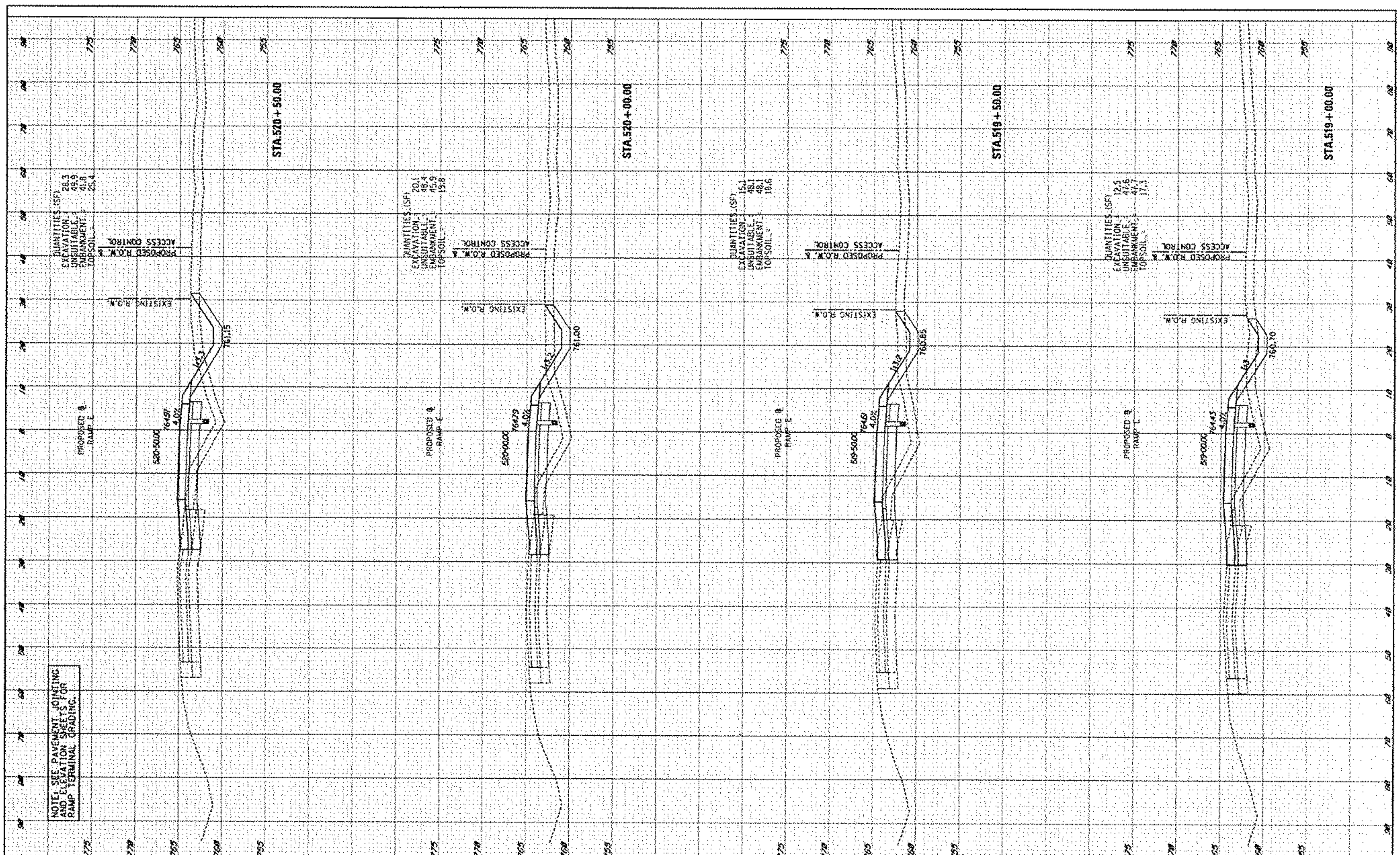
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 517+00.00 TO STA. 518+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1-B-R1	WILL	679	604

CONTRACT NO. 60L69



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED 10/18/2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT STUENKEL ROAD (NEW INTERCHANGE) PROPOSED RAMP E CROSS SECTIONS	F.A.I. RTE. 57	SECTION 99-1HB-R1	COUNTY WILL	TOTAL SHEETS 679	SHEET NO. 605
	PLOT SCALE =	DRAWN - JDF	REVISED -		SCALE: 1"=5' H, 1"=5' V SHEET NO. OF SHEETS STA. 519+00.00 TO STA. 520+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60L69		
	PLOT DATE =	CHECKED - JPM	REVISED -							
		DATE - 5/10/2013	REVISED -							

P:\60262\I-57_&_Stuenkel\Road\C.3\Interchange\C3_Ramp_E_XS_Sh7.dgn

TYLININTERNATIONAL

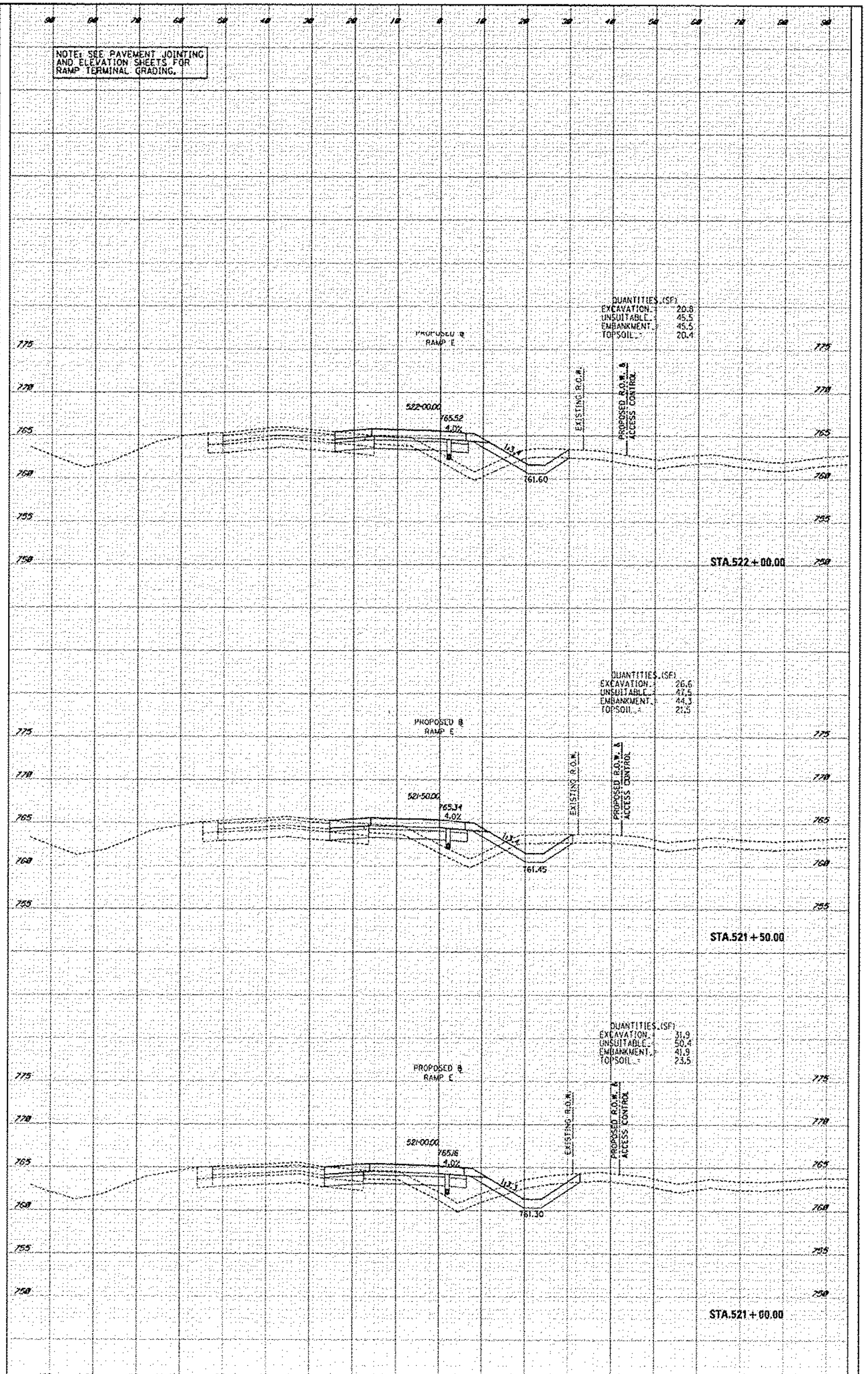
DESIGNED - JDF
DRAWN - JDF
CHECKED - JPW
DATE - 5/10/2013

REVISED - 10/18/2013
REVISED -
REVISED -
REVISED -

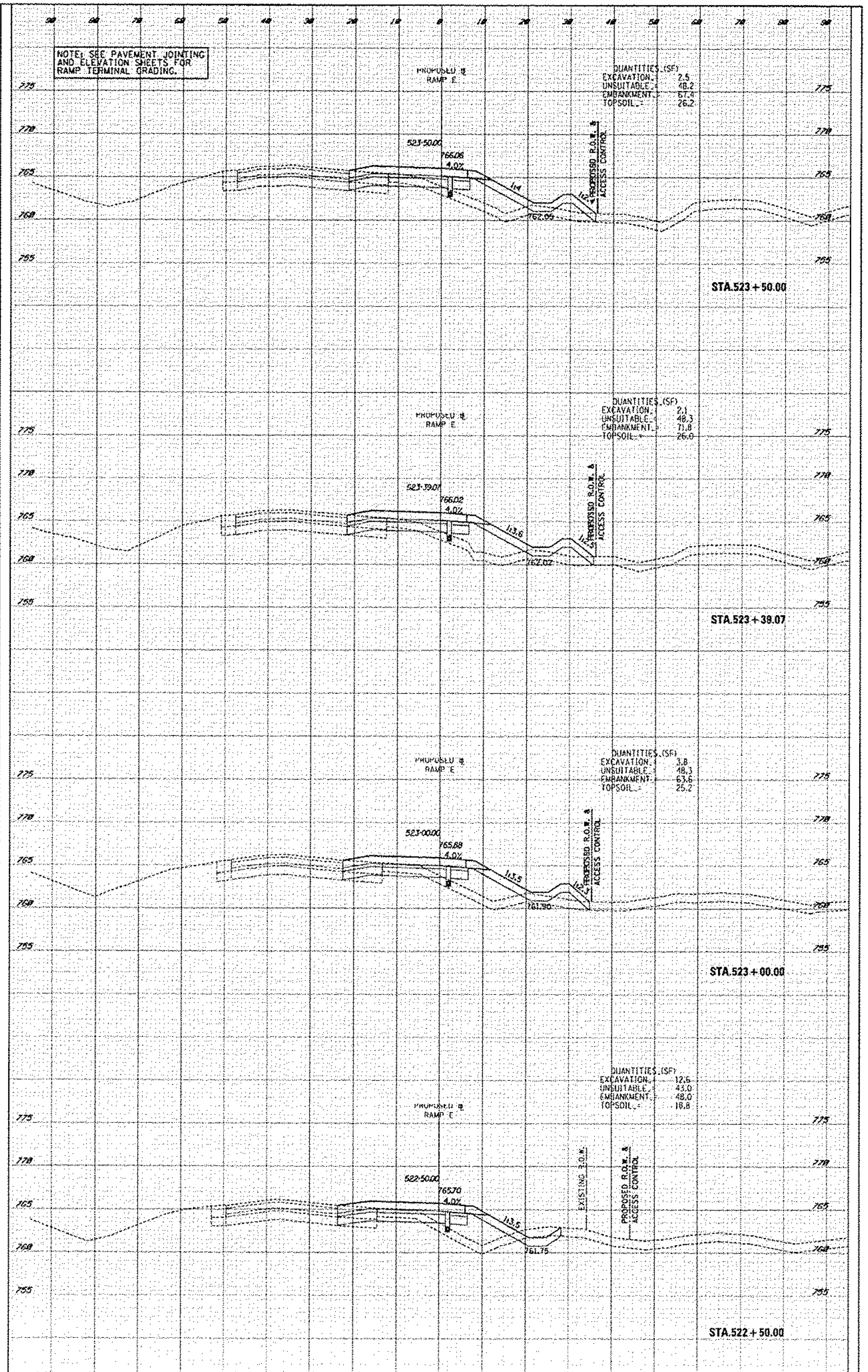
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

CONTRACT NO. 60L69



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
QUANTITIES (SF)
EXCAVATION = 20.8
UNSUITABLE = 45.5
EMBANKMENT = 45.5
TOPSOIL = 20.4
PROPOSED ℄ RAMP E
EXISTING R.O.W.
PROPOSED R.O.W. & ACCESS CONTROL
522+00.00
765.52
4.0%
761.60
STA.522+00.00
QUANTITIES (SF)
EXCAVATION = 26.6
UNSUITABLE = 47.5
EMBANKMENT = 44.3
TOPSOIL = 21.5
PROPOSED ℄ RAMP E
EXISTING R.O.W.
PROPOSED R.O.W. & ACCESS CONTROL
521+50.00
765.34
4.0%
761.45
STA.521+50.00
QUANTITIES (SF)
EXCAVATION = 31.9
UNSUITABLE = 50.4
EMBANKMENT = 41.9
TOPSOIL = 23.5
PROPOSED ℄ RAMP E
EXISTING R.O.W.
PROPOSED R.O.W. & ACCESS CONTROL
521+00.00
765.16
4.0%
761.30
STA.521+00.00



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 2.5
UNSUITABLE = 48.2
EMBANKMENT = 67.4
TOPSOIL = 26.2
523+50.00
766.06
4.0%
762.09
PROPOSED R.O.W. & ACCESS CONTROL
STA. 523+50.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 2.1
UNSUITABLE = 48.3
EMBANKMENT = 71.8
TOPSOIL = 26.0
523+39.07
766.02
4.0%
762.02
PROPOSED R.O.W. & ACCESS CONTROL
STA. 523+39.07
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 3.8
UNSUITABLE = 48.3
EMBANKMENT = 63.6
TOPSOIL = 25.2
523+00.00
765.68
4.0%
761.90
PROPOSED R.O.W. & ACCESS CONTROL
STA. 523+00.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 12.6
UNSUITABLE = 43.0
EMBANKMENT = 48.0
TOPSOIL = 18.8
522+50.00
765.70
4.0%
761.75
EXISTING R.O.W.
PROPOSED R.O.W. & ACCESS CONTROL
STA. 522+50.00

TYLININTERNATIONAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

CONTRACT NO. 60L69

TYLININTERNATIONAL

DESIGNED - JDF	REVISED - 10/18/2013
DRAWN - JDF	REVISED -
CHECKED - JPM	REVISED -
DATE - 5/10/2013	REVISED -

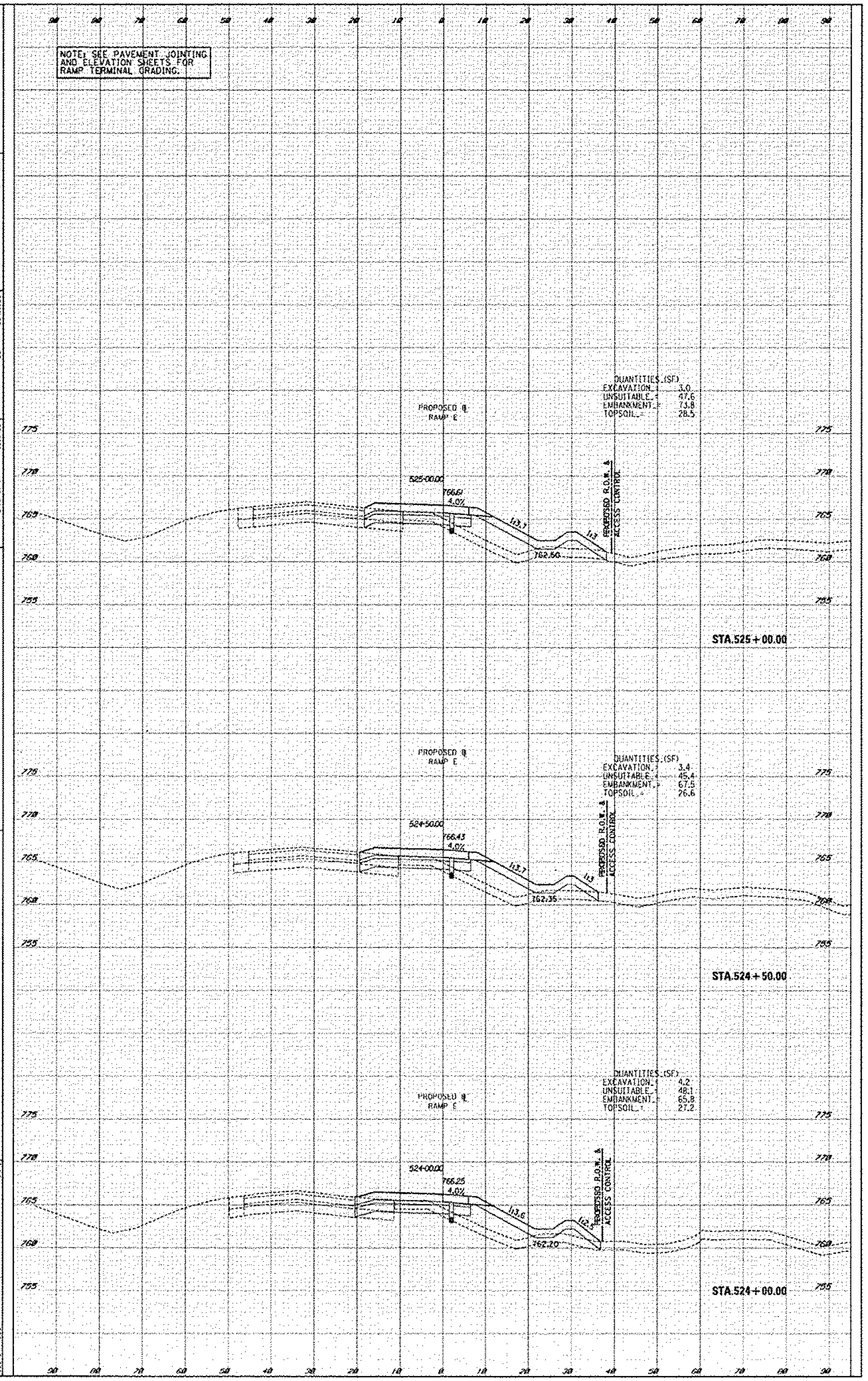
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1":10' | SHEET NO. OF SHEETS | STA. 524+00.00 TO STA. 525+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R	WILL	679	608

CONTRACT NO. 60L69



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 3.0
UNSUITABLE = 47.6
EMBANKMENT = 73.8
TOPSOIL = 28.5
525+00.00
766.61
4.0%
762.50
PROPOSED R.O.W. & ACCESS CONTROL
STA.525+00.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 3.4
UNSUITABLE = 45.4
EMBANKMENT = 67.5
TOPSOIL = 26.6
524+50.00
766.43
4.0%
762.35
PROPOSED R.O.W. & ACCESS CONTROL
STA.524+50.00
QUANTITIES (SF)
EXCAVATION = 4.2
UNSUITABLE = 48.1
EMBANKMENT = 65.8
TOPSOIL = 27.2
PROPOSED ℄ RAMP E
524+00.00
766.25
4.0%
762.20
PROPOSED R.O.W. & ACCESS CONTROL
STA.524+00.00

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.

QUANTITIES (SF)
EXCAVATION = 2.7
UNSUITABLE = 44.5
EMBANKMENT = 67.7
TOPSOIL = 78.1

STA.526 + 50.00

QUANTITIES (SF)
EXCAVATION = 2.0
UNSUITABLE = 47.2
EMBANKMENT = 77.3
TOPSOIL = 30.2

STA.526 + 00.00

QUANTITIES (SF)
EXCAVATION = 2.5
UNSUITABLE = 48.2
EMBANKMENT = 81.8
TOPSOIL = 30.0

STA.525 + 50.00

750

TYLININTERNATIONAL

USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - JDF	REVISED - 10/18/2013
DRAWN - JDF	REVISED -
CHECKED - JPW	REVISED -
DATE - 5/10/2013	REVISED -

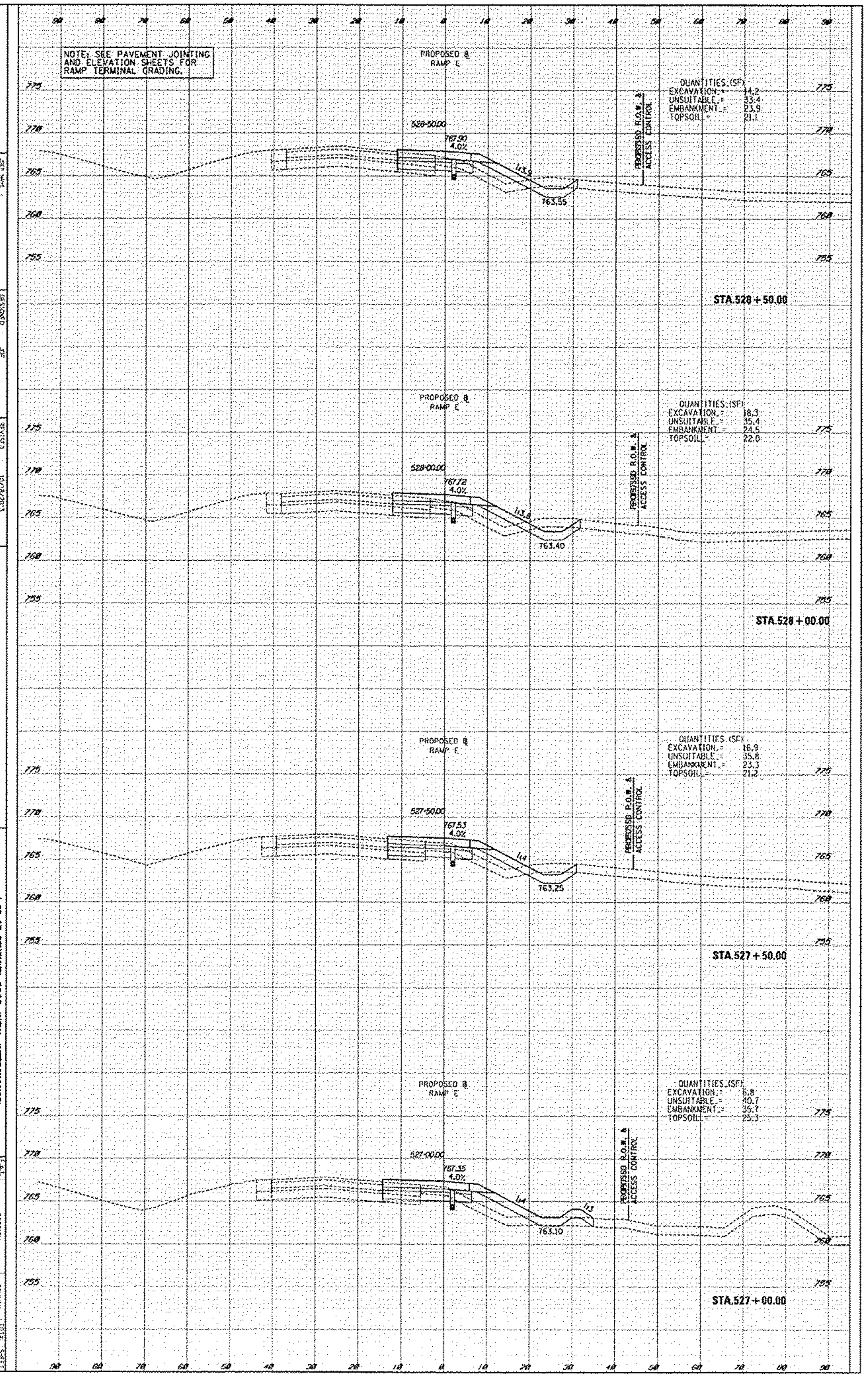
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1" = 10' H. | SHEET NO. OF SHEETS | STA. 525+50.00 TO STA. 526+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	609
		CONTRACT NO. 60L69		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT


NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 14.2
UNSUITABLE = 33.4
EMBANKMENT = 23.9
TOPSOIL = 21.1
528+50.00
767.90
4.0%
763.55
PROPOSED R.O.W. & ACCESS CONTROL
STA. 528+50.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 18.3
UNSUITABLE = 35.4
EMBANKMENT = 24.5
TOPSOIL = 22.0
528+00.00
767.72
4.0%
763.40
PROPOSED R.O.W. & ACCESS CONTROL
STA. 528+00.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 16.9
UNSUITABLE = 35.8
EMBANKMENT = 23.3
TOPSOIL = 21.2
527+50.00
767.53
4.0%
1:4
763.25
PROPOSED R.O.W. & ACCESS CONTROL
STA. 527+50.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 6.8
UNSUITABLE = 40.7
EMBANKMENT = 35.7
TOPSOIL = 25.3
527+00.00
767.35
4.0%
1:4
1:3
763.10
PROPOSED R.O.W. & ACCESS CONTROL
STA. 527+00.00
775
770
765
760
755
90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

TYLININTERNATIONAL

DESIGNED - JDF
DRAWN - JDF
CHECKED - JPW
DATE - 5/10/2013

REVISED - 10/18/2013
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1" = 10' | SHEET NO. OF SHEETS | STA. 527+00.00 TO STA. 528+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	93-[illegible]-R1	WILL	619	610

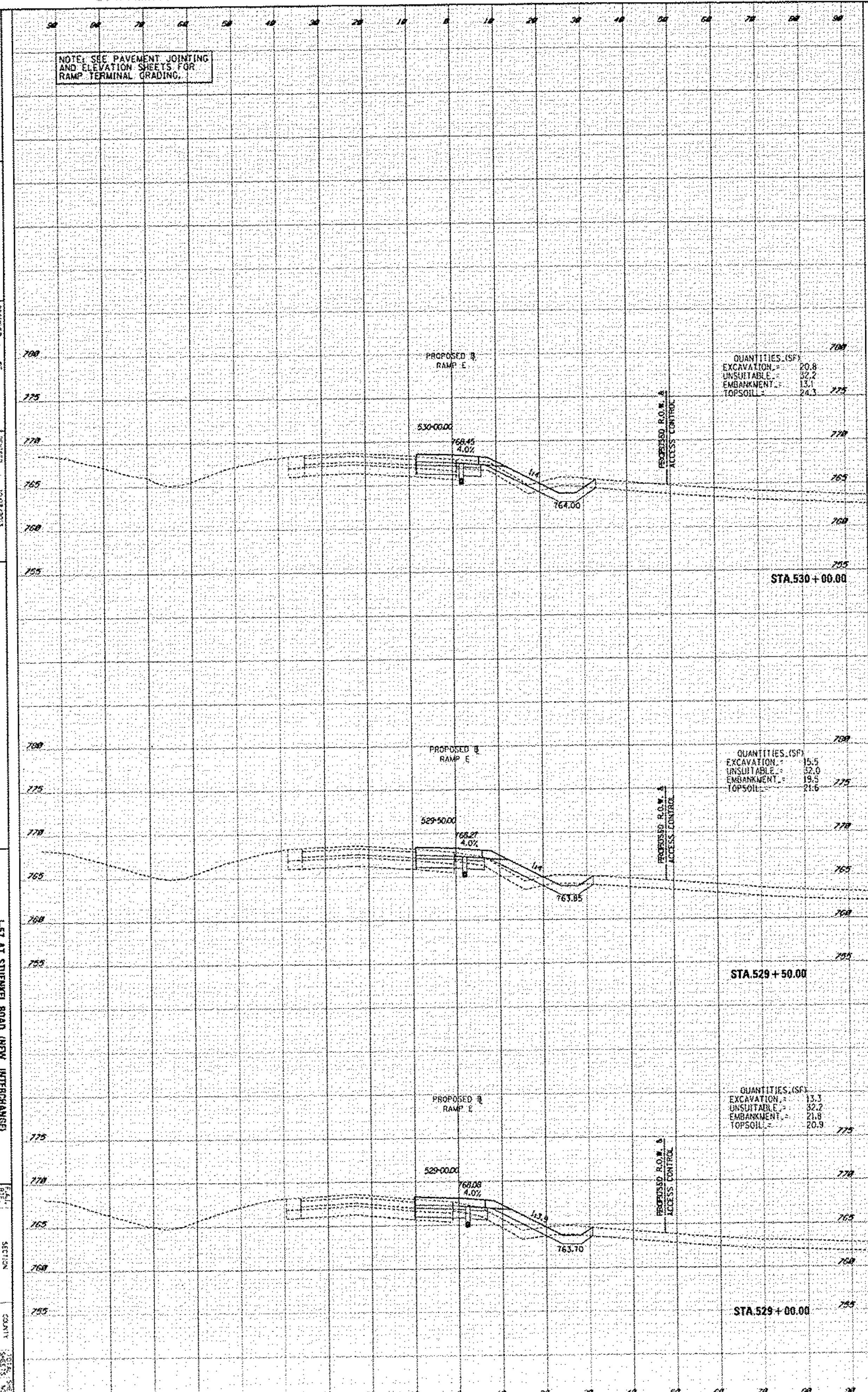
CONTRACT NO. 60L69

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

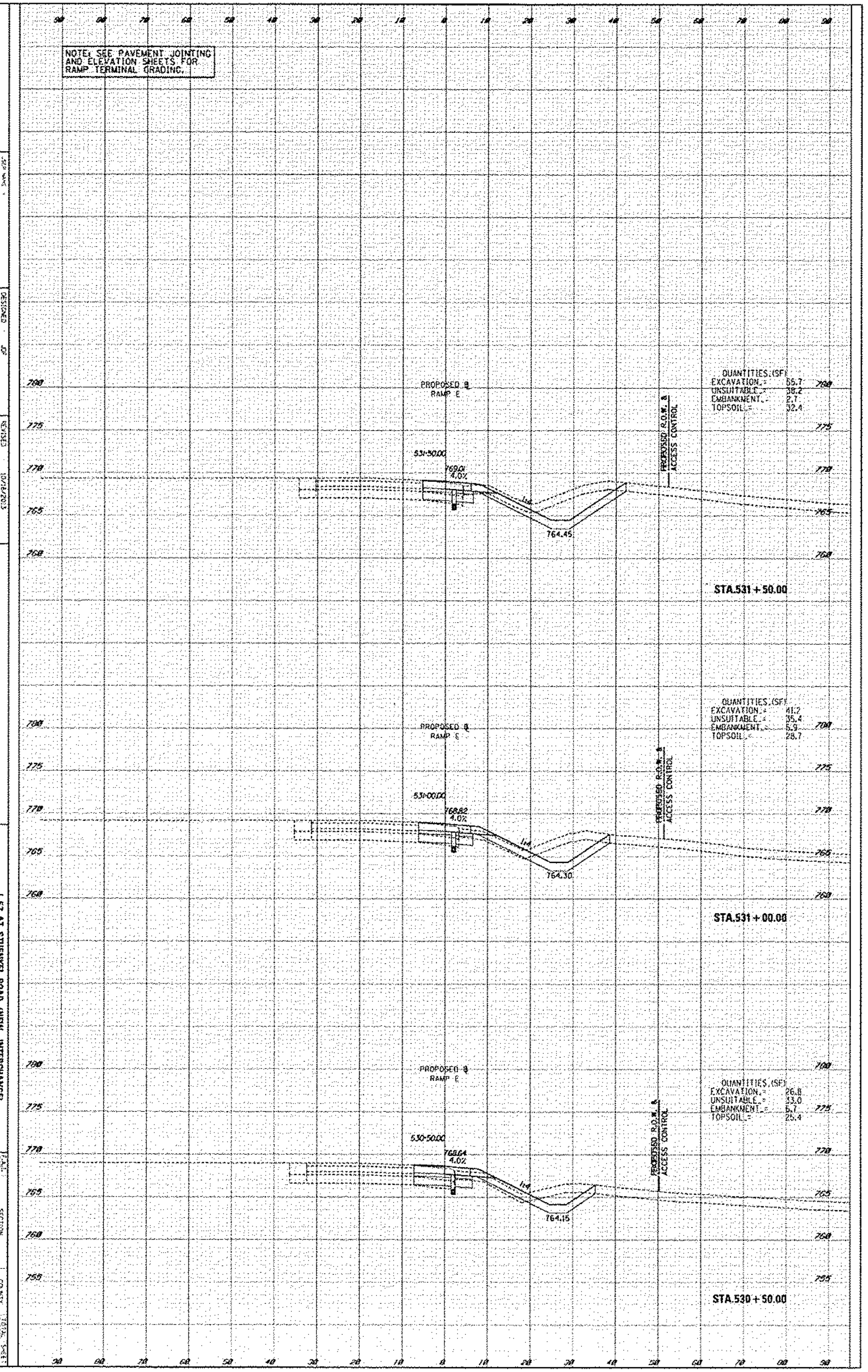
TYLININTERNATIONAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 20.8
UNSUITABLE = 32.2
EMBANKMENT = 13.1
TOPSOIL = 24.3
530+00.00
768.45
4.0%
764.00
PROPOSED R.O.W. & ACCESS CONTROL
STA.530+00.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 15.5
UNSUITABLE = 32.0
EMBANKMENT = 19.5
TOPSOIL = 21.6
529+50.00
768.27
4.0%
763.85
PROPOSED R.O.W. & ACCESS CONTROL
STA.529+50.00
PROPOSED ℄ RAMP E
QUANTITIES (SF)
EXCAVATION = 13.3
UNSUITABLE = 32.2
EMBANKMENT = 21.8
TOPSOIL = 20.9
529+00.00
768.08
4.0%
763.70
PROPOSED R.O.W. & ACCESS CONTROL
STA.529+00.00



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
531+50.00
769.01
4.0%
1:4
764.45
PROPOSED R.O.W. & ACCESS CONTROL
QUANTITIES (SF)
EXCAVATION = 55.7
UNSUITABLE = 38.2
EMBANKMENT = 2.7
TOPSOIL = 32.4
STA. 531+50.00
PROPOSED ℄ RAMP E
531+00.00
768.82
4.0%
1:4
764.30
PROPOSED R.O.W. & ACCESS CONTROL
QUANTITIES (SF)
EXCAVATION = 41.2
UNSUITABLE = 35.4
EMBANKMENT = 5.9
TOPSOIL = 28.7
STA. 531+00.00
PROPOSED ℄ RAMP E
530+50.00
768.64
4.0%
1:4
764.15
PROPOSED R.O.W. & ACCESS CONTROL
QUANTITIES (SF)
EXCAVATION = 26.8
UNSUITABLE = 33.0
EMBANKMENT = 6.7
TOPSOIL = 25.4
STA. 530+50.00

TYLININTERNATIONAL

DESIGNED - JCF
DRAWN - JCF
CHECKED - JPW
DATE - 5/20/2013
REVISED - 10/28/2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

SCALE: 1" = 10' | SHEET NO. OF SHEETS | STA. 530+50.00 TO STA. 531+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	612

CONTRACT NO. 60L69

TYLININTERNATIONAL

DESIGNED - JOF
DRAWN - JOF
CHECKED - JPW
DATE - 5/15/2013

REVISED - 10/18/2013
REVISED -
REVISED -

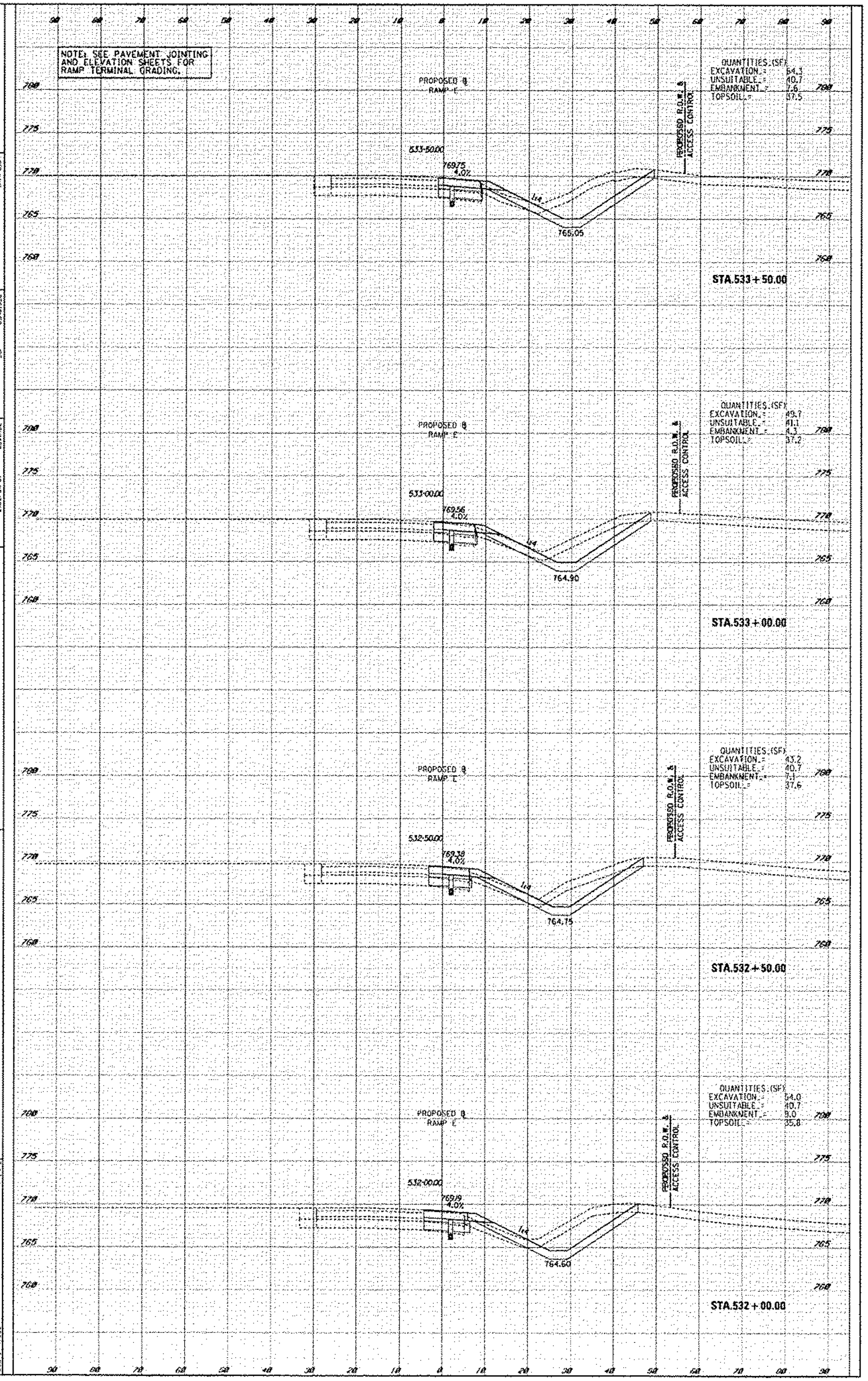
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
PROPOSED RAMP E CROSS SECTIONS

STA. 532+00.00 TO STA. 533+50.00

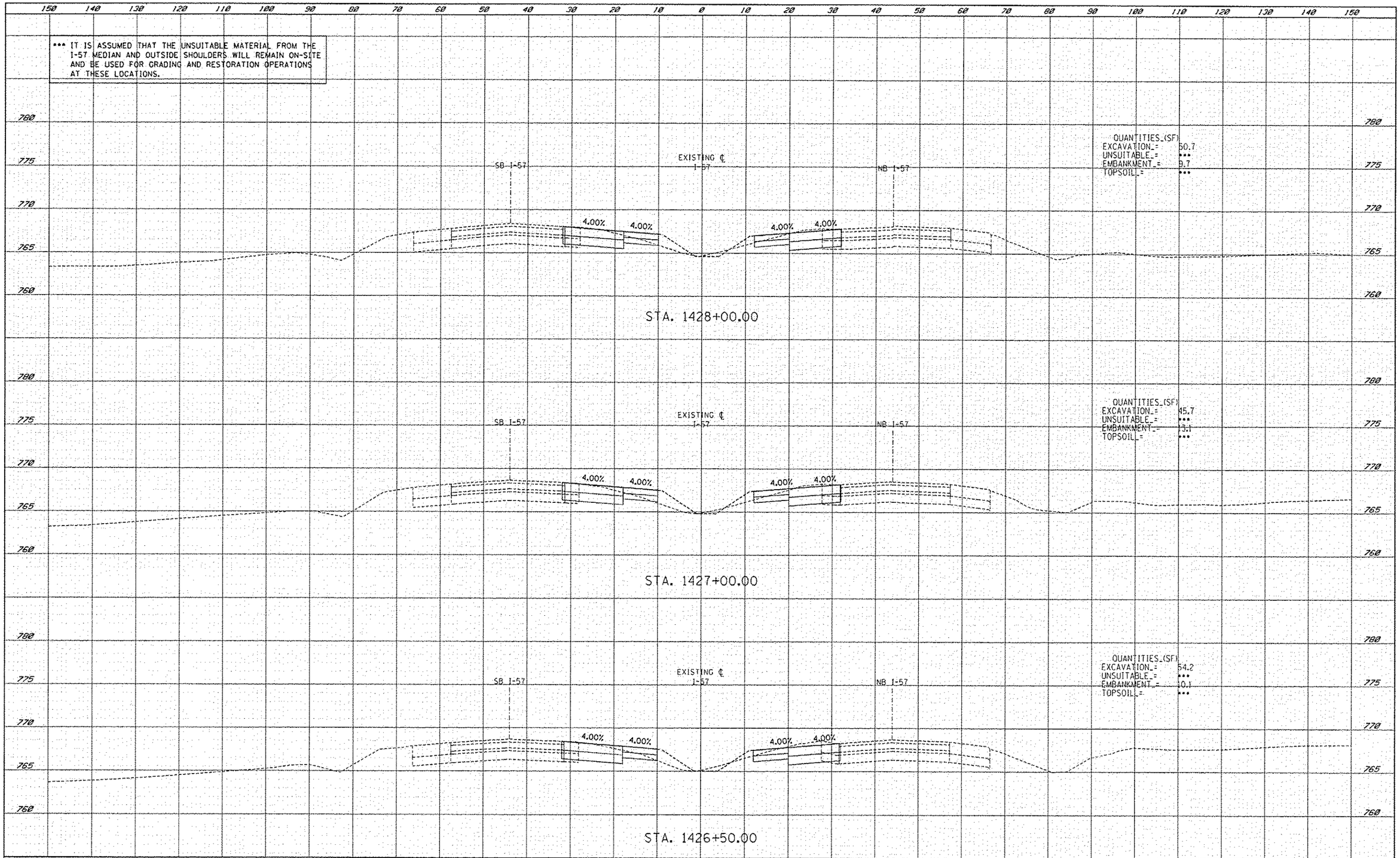
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-3-8-R1	WILL	679	613

CONTRACT NO. 60L69



NOTE: SEE PAVEMENT JOINTING AND ELEVATION SHEETS FOR RAMP TERMINAL GRADING.
PROPOSED ℄ RAMP E
PROPOSED R.O.W. & ACCESS CONTROL
QUANTITIES (SF)
EXCAVATION = 64.3
UNSUITABLE = 40.7
EMBANKMENT = 7.6
TOPSOIL = 37.5
533+50.00
769.75
4.0%
765.05
STA.533+50.00
QUANTITIES (SF)
EXCAVATION = 49.7
UNSUITABLE = 41.1
EMBANKMENT = 6.3
TOPSOIL = 37.2
533+00.00
769.56
4.0%
764.90
STA.533+00.00
QUANTITIES (SF)
EXCAVATION = 43.2
UNSUITABLE = 40.7
EMBANKMENT = 7.1
TOPSOIL = 37.6
532+50.00
769.38
4.0%
764.75
STA.532+50.00
QUANTITIES (SF)
EXCAVATION = 54.0
UNSUITABLE = 40.7
EMBANKMENT = 9.0
TOPSOIL = 35.8
532+00.00
769.19
4.0%
764.60
STA.532+00.00

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



FINAL SURVEY NOTE BOOK NO.
SURVEYED PLOTTED TABULATE AREAS AREAS CHECKED BY DATE

ORIGINAL SURVEY NOTE BOOK NO.
SURVEYED PLOTTED TABULATE AREAS AREAS CHECKED BY DATE

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14	
	DRAWN - JDF	REVISED -	
PLOT SCALE =	CHECKED - JPM	REVISED -	
PLOT DATE =	DATE - 5/10/2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

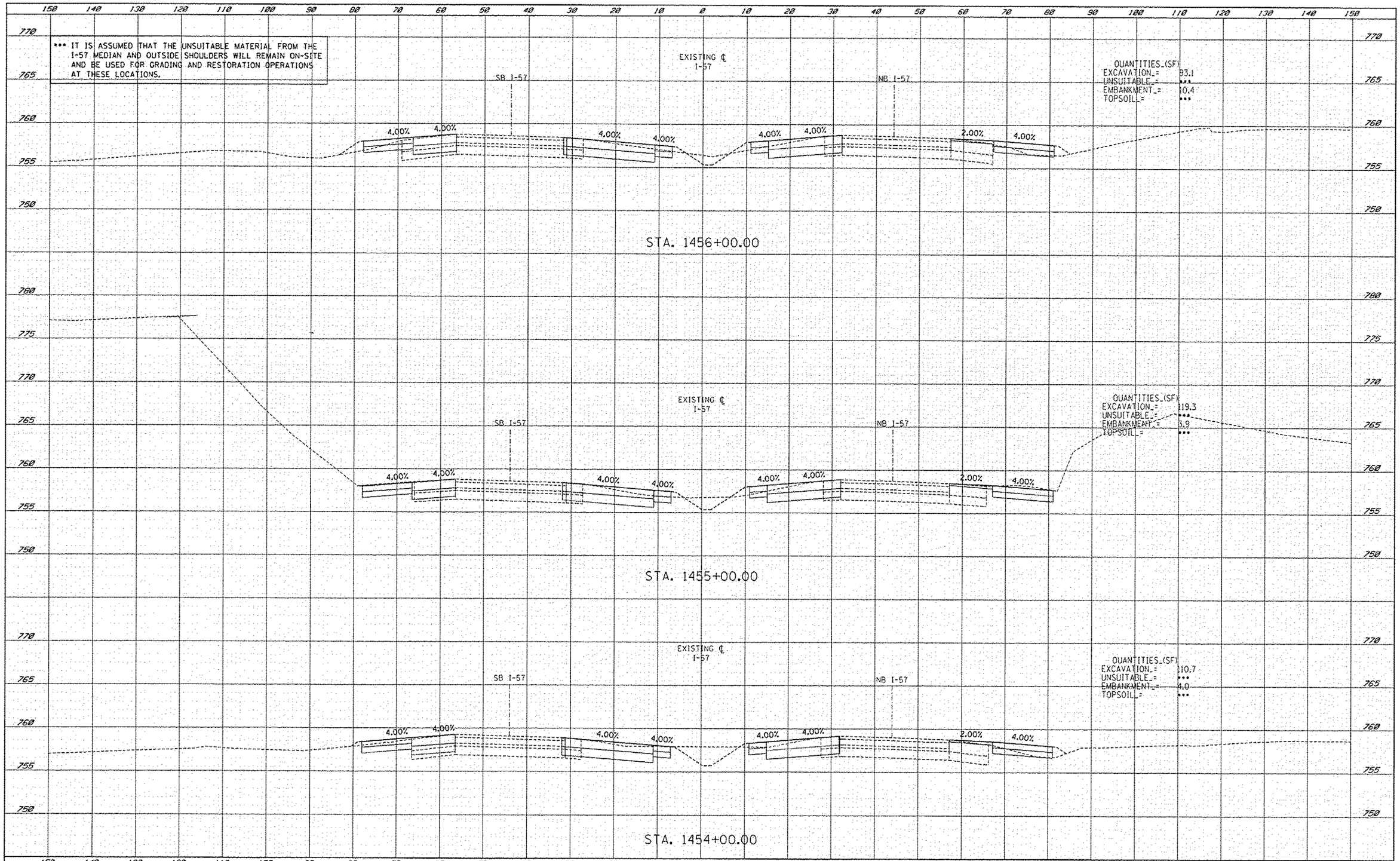
SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1426+50.00 TO STA. 1428+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	613A
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

⚠ NEW SHEET

P:\602612(I-57_@_Stuenkel)\Road\C_3(Interchange)\C3_57_XS_SHT.dgn

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



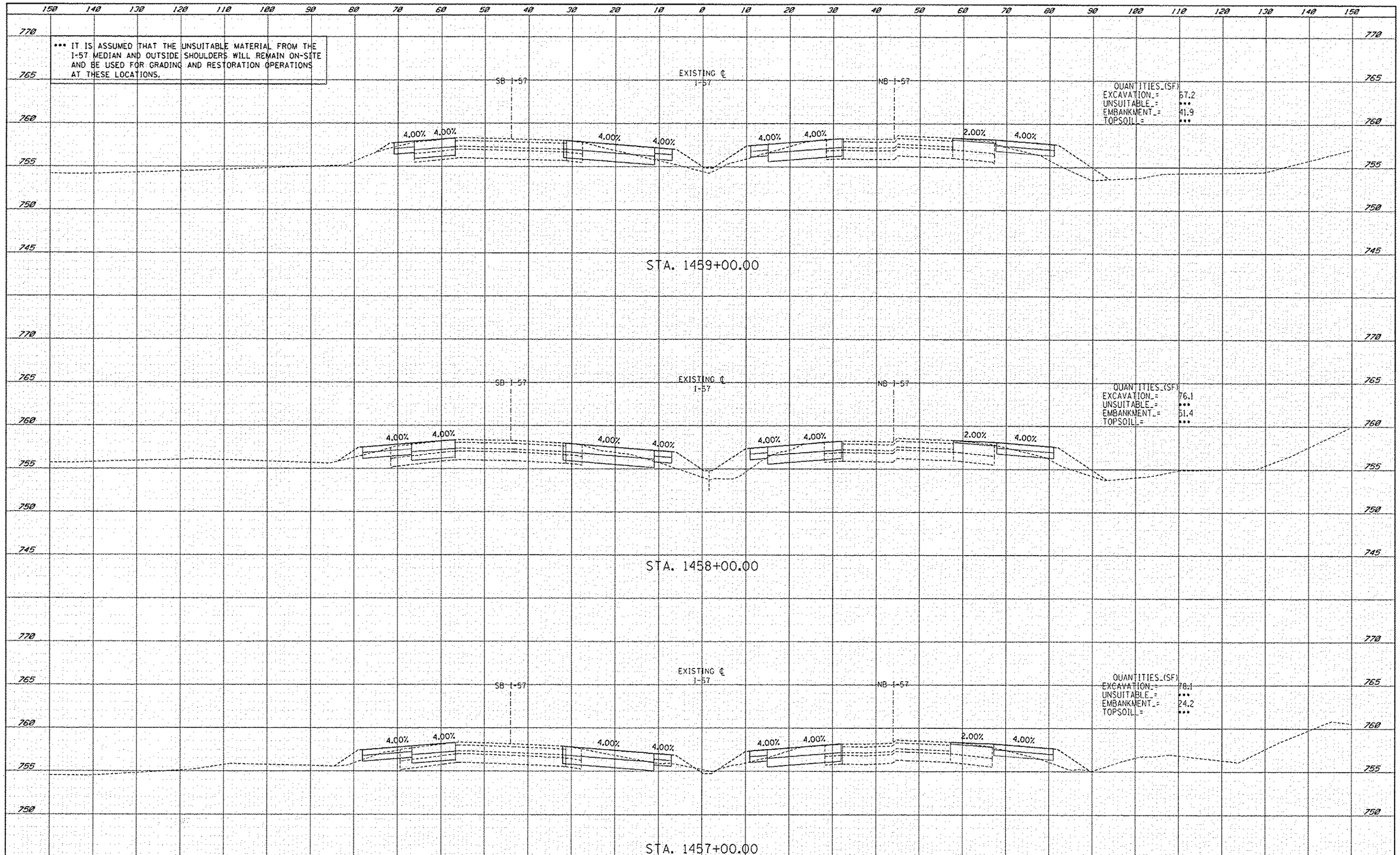
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT STUENKEL ROAD (NEW INTERCHANGE) I-57 MOT CROSS SECTIONS
		DRAWN - JDF	REVISED -		
	PLOT SCALE =	CHECKED - JPM	REVISED -		SCALE: 1" = 10' ✓ SHEET NO. OF SHEETS STA. 1454+00.00 TO STA. 1456+00.00
	PLOT DATE =	DATE - 5/10/2013	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1H8-R1	WILL	679	613J
		CONTRACT NO. 60L69		

P:\602612(I-57_@_Stuenkel)\Road\C_3(Interchange)\C3_57_XS_SHT.dgn

⚠1 NEW SHEET

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



FINAL SURVEY	ORIGINAL SURVEY	BY	DATE
SURVEYED	SURVEYED		
PLOTTED	PLOTTED		
NOTE BOOK	NOTE BOOK		
ISSUE DATE	ISSUE DATE		
AREAS	AREAS		
AREAS CHECKED	AREAS CHECKED		
NO.	NO.		

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14	
	DRAWN - JDF	REVISED -	
PLOT SCALE =	CHECKED - JPM	REVISED -	
PLOT DATE =	DATE - 5/10/2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

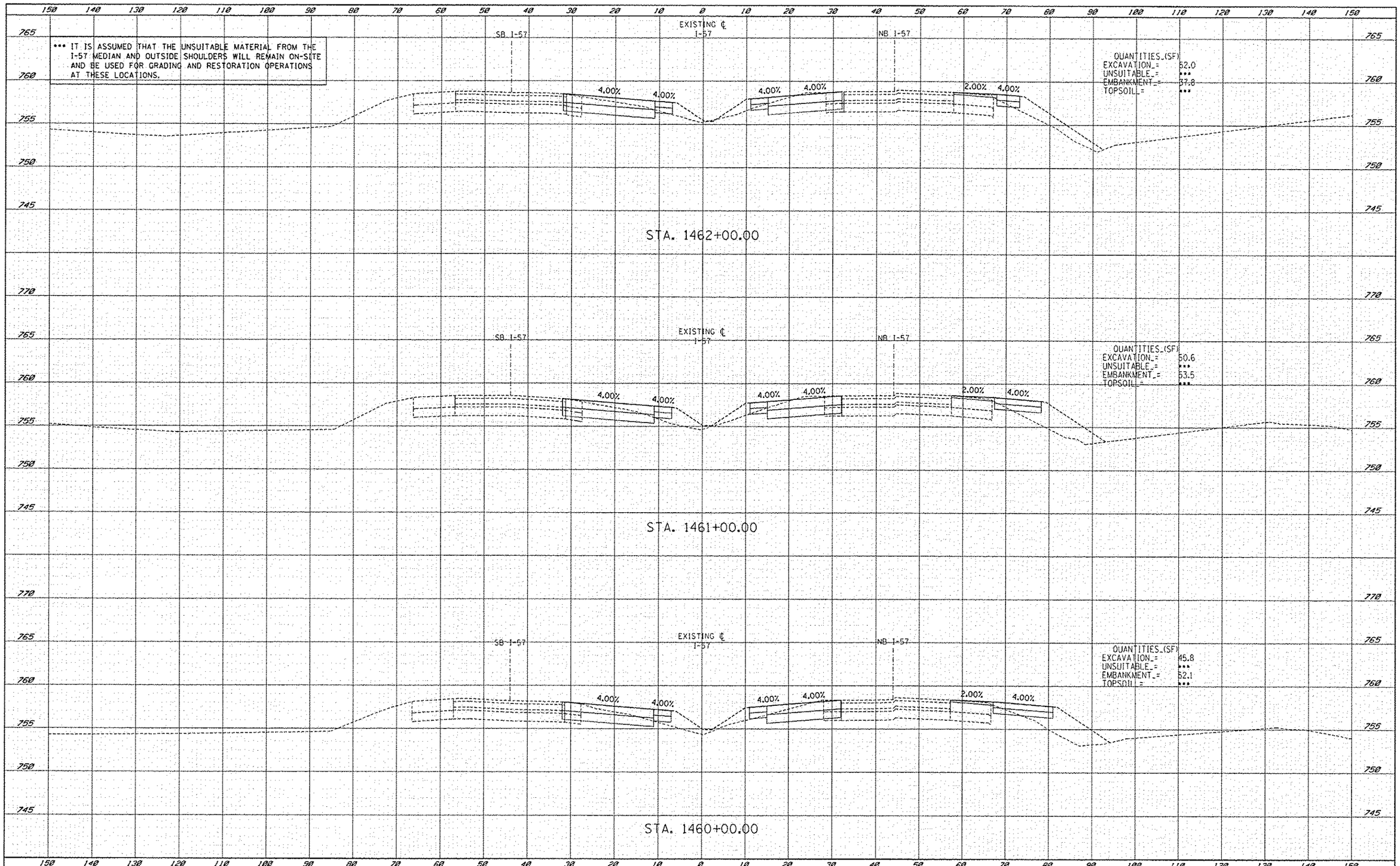
SCALE: 1" = 10' | SHEET NO. OF SHEETS | STA. 1457+00.00 TO STA. 1459+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1H8-R1	WILL	679	613K
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

⚠ 1 NEW SHEET

P:\602612(I-57_@_Stuenkel)\Road\C_30Interchange\C3_57_XS_SHT.dgn

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



FINAL SURVEY	ORIGINAL SURVEY	NO.	DATE	BY
SURVEYED	SURVEYED			
PLOTTED	PLOTTED			
NOTE BOOK	NOTE BOOK			
AREAS	AREAS			
AREAS CHECKED	AREAS CHECKED			

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED ⚠1 ADDENDUM 1 1/03/14
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1460+00.00 TO STA. 1462+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	613L
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

⚠1 NEW SHEET

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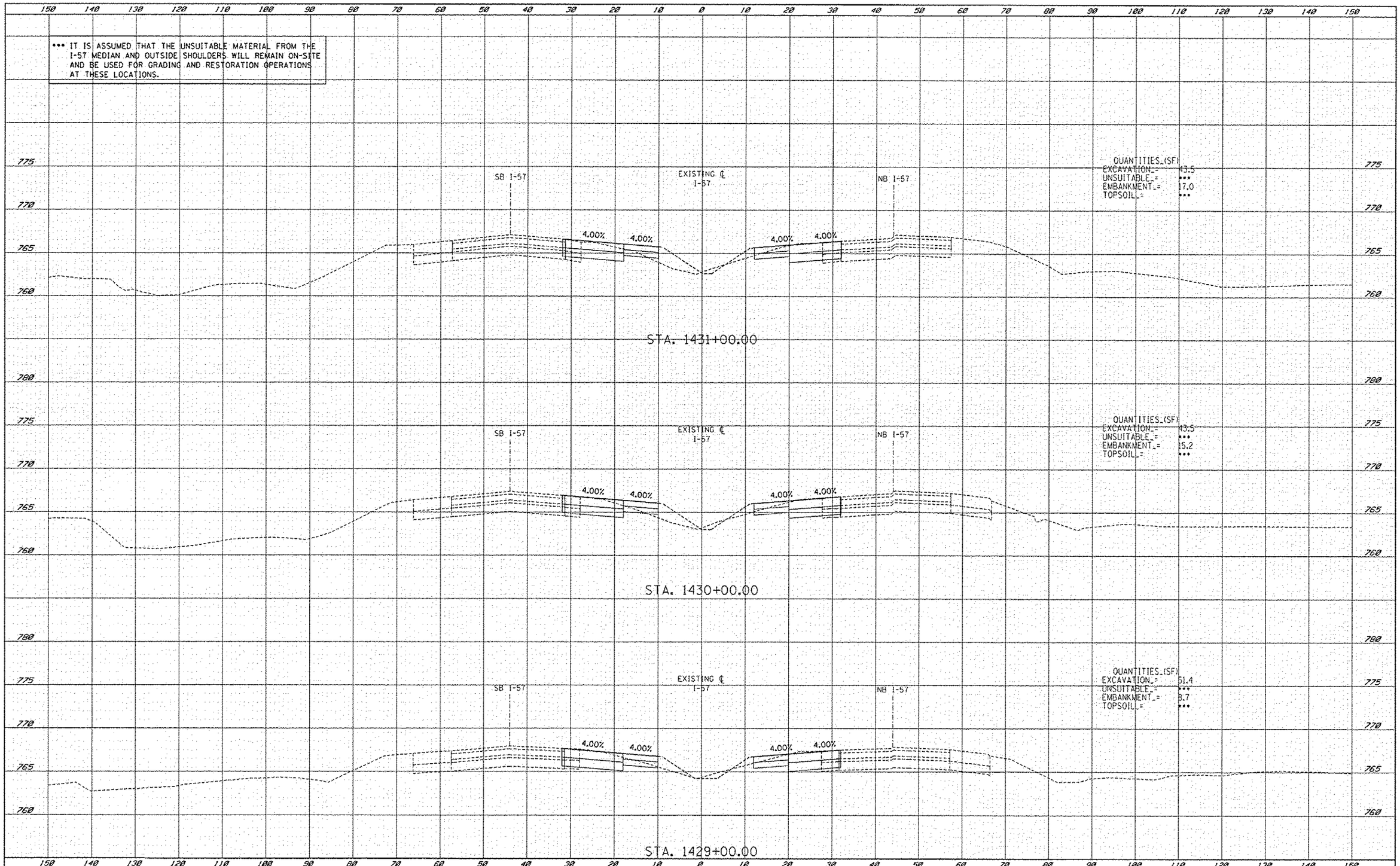
*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14
		DRAWN - JDF	REVISED -
	PLOT SCALE =	CHECKED - JPM	REVISED -
	PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1429+00.00 TO STA. 1431+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-IHB-RI	WILL	679	613B
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

⚠ NEW SHEET

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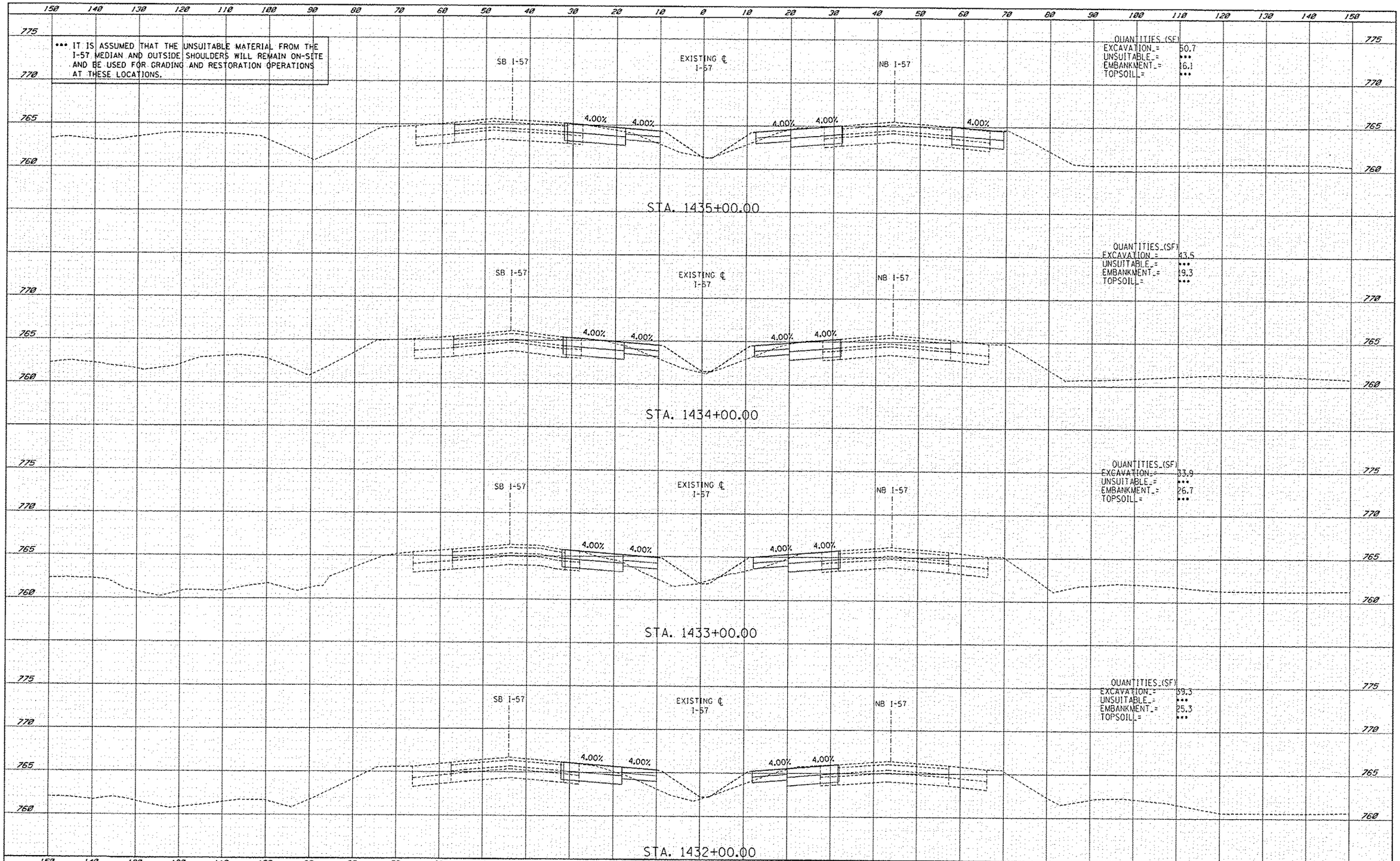
FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO., BY, DATE

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO., BY, DATE

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14
		DRAWN - JDF	REVISED -
	PLOT SCALE =	CHECKED - JPM	REVISED -
	PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1432+00.00 TO STA. 1435+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-IHB-R1	WILL	679	613C
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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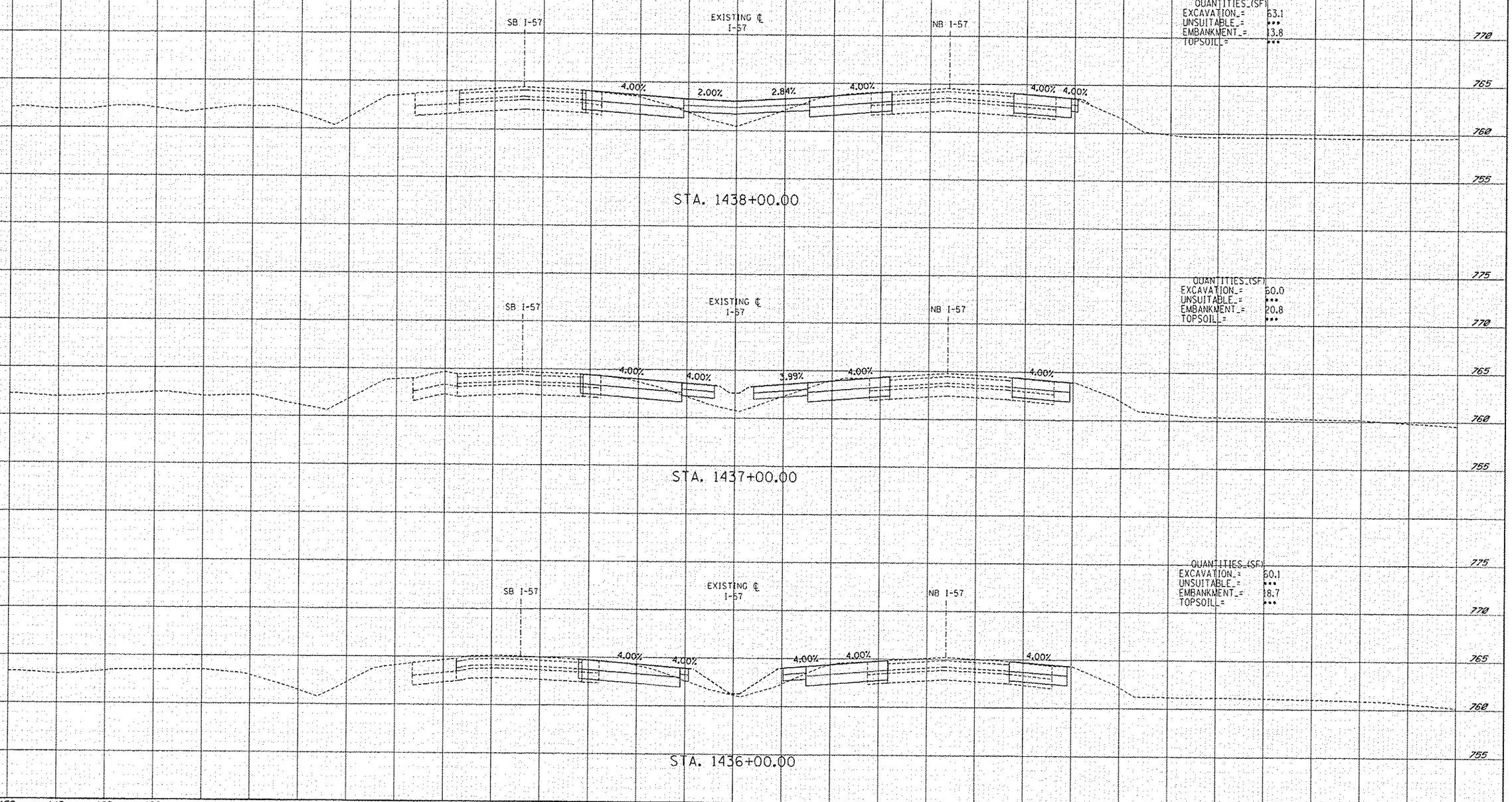
⚠ NEW SHEET

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS CHECKED — NO. — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS CHECKED — NO. — BY — DATE

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



FINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14
		DRAWN - JDF	REVISED -
	PLOT SCALE =	CHECKED - JPM	REVISED -
	PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' / 5' V | SHEET NO. OF SHEETS | STA. 1436+00.00 TO STA. 1438+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-IHB-RI	WILL	679	613D
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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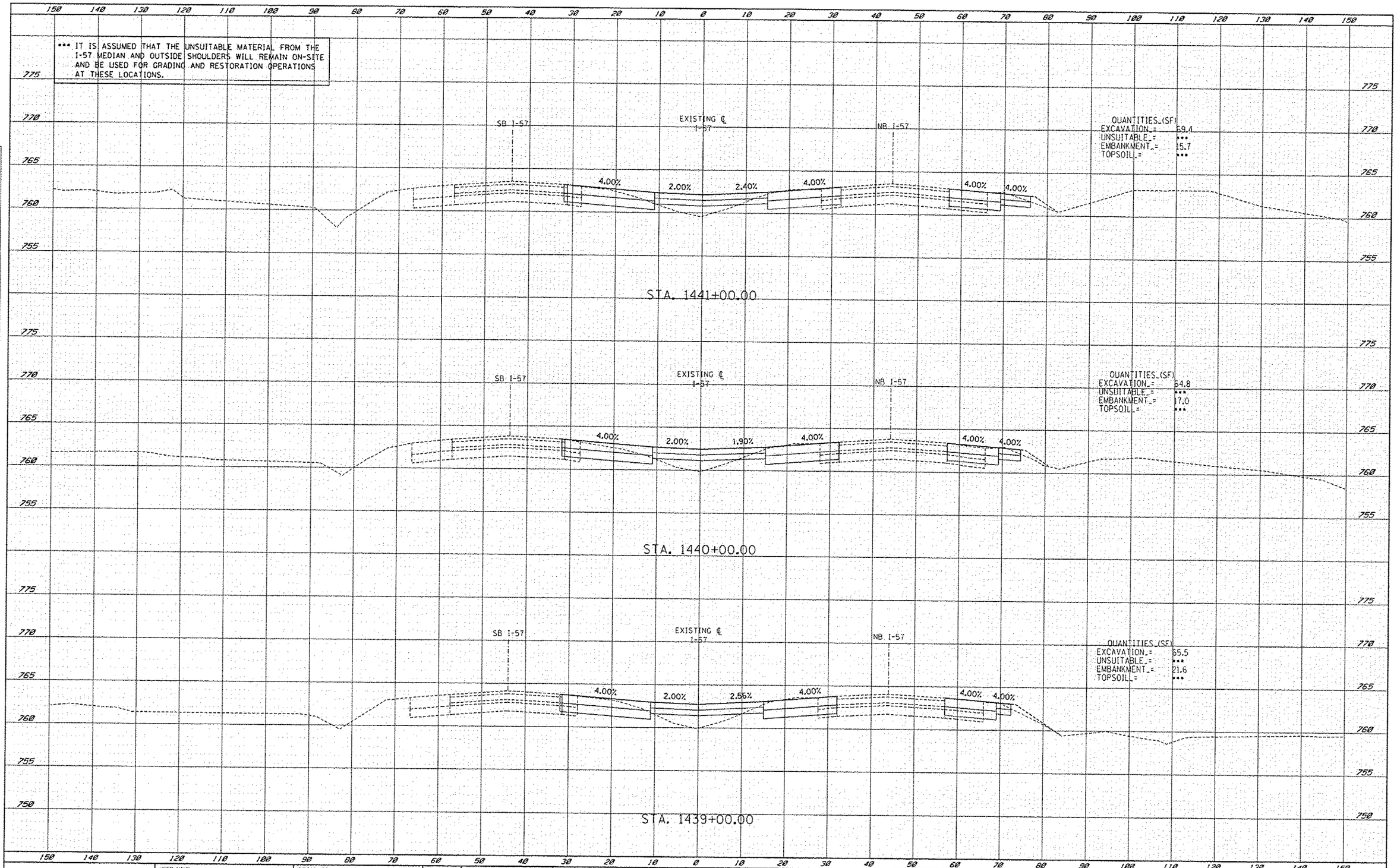
1 NEW SHEET

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠1 ADDENDUM 1 1/03/14
		DRAWN - JDF	REVISED
	PLOT SCALE =	CHECKED - JPM	REVISED
	PLOT DATE =	DATE - 5/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1439+00.00 TO STA. 1441+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-IHB-RI	WILL	679	613E
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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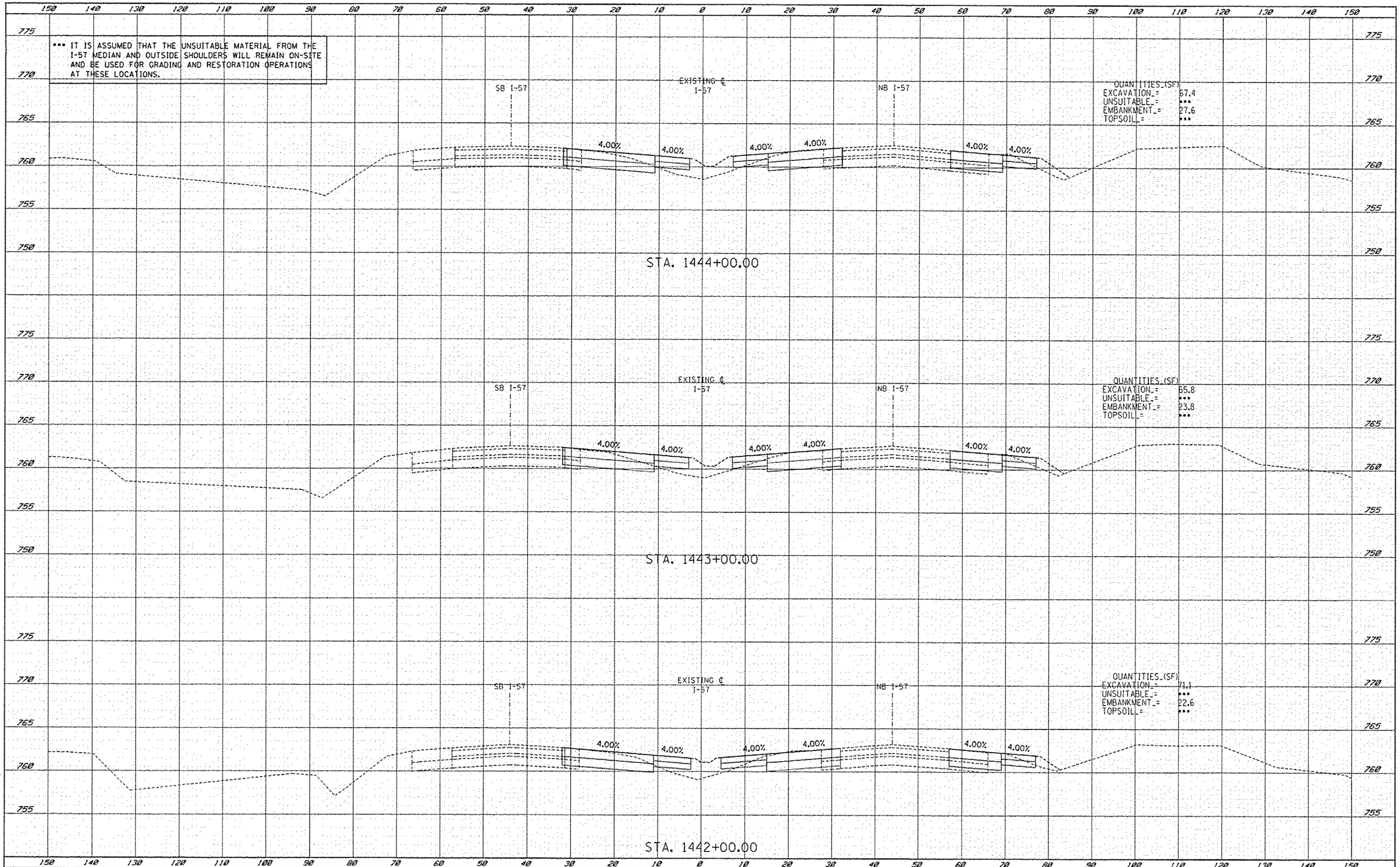
⚠1 NEW SHEET

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14
		DRAWN - JDF	REVISED -
	PLOT SCALE =	CHECKED - JPM	REVISED -
	PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1442+00.00 TO STA. 1444+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-IHB-R1	WILL	679	613F
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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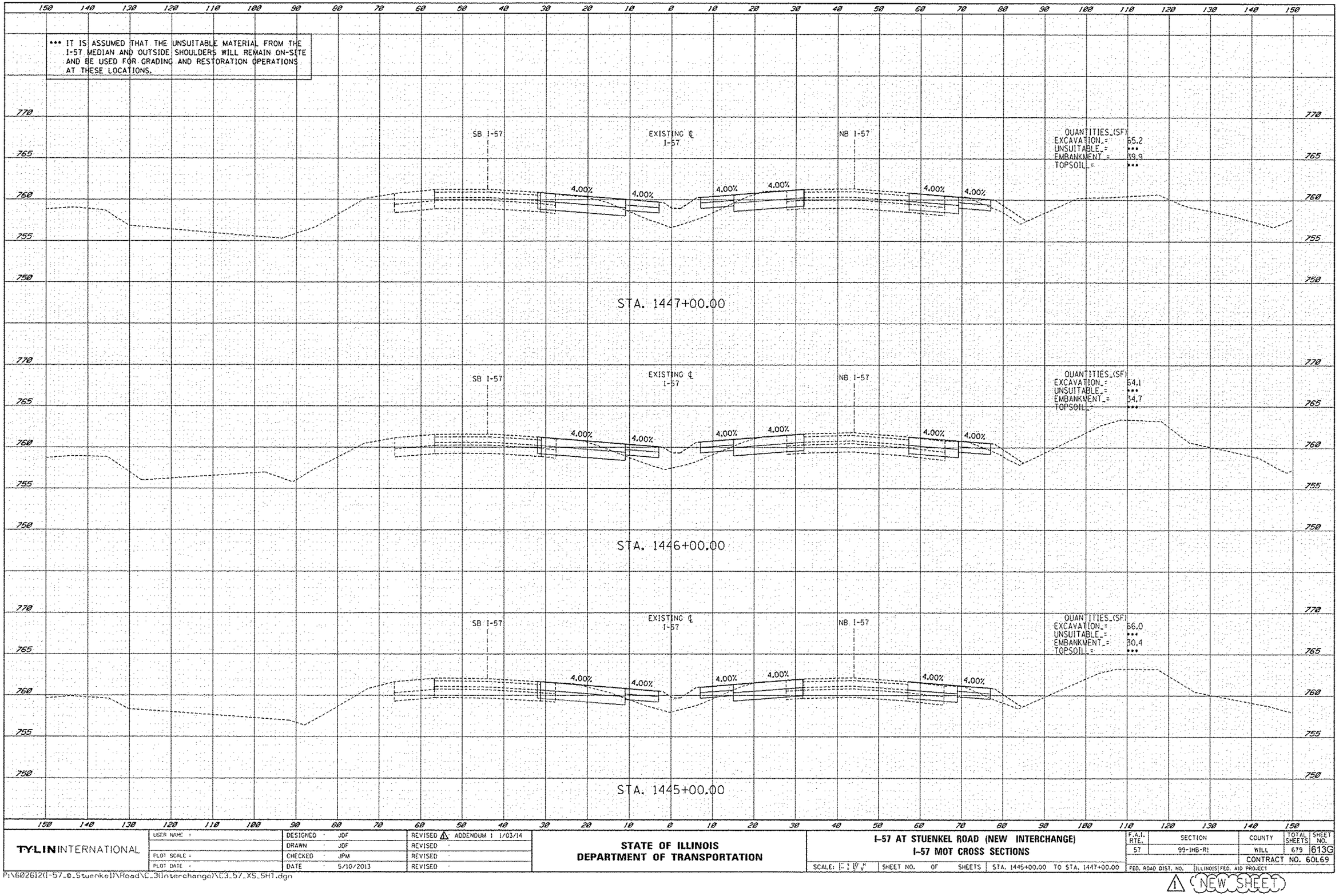
⚠1 NEW SHEET

FINAL SURVEY NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS CHECKED — BY — DATE — NO.

ORIGINAL SURVEY NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS CHECKED — BY — DATE — NO.

••• IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



TY·LIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT STUENKEL ROAD (NEW INTERCHANGE) I-57 MOT CROSS SECTIONS
	PLOT SCALE =	DRAWN - JDF	REVISED -		
	PLOT DATE =	CHECKED - JPM	REVISED -		
		DATE - 5/10/2013	REVISED -		

SCALE: 1" = 10' V | SHEET NO. OF SHEETS | STA. 1445+00.00 TO STA. 1447+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	613G
		CONTRACT NO. 60L69		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

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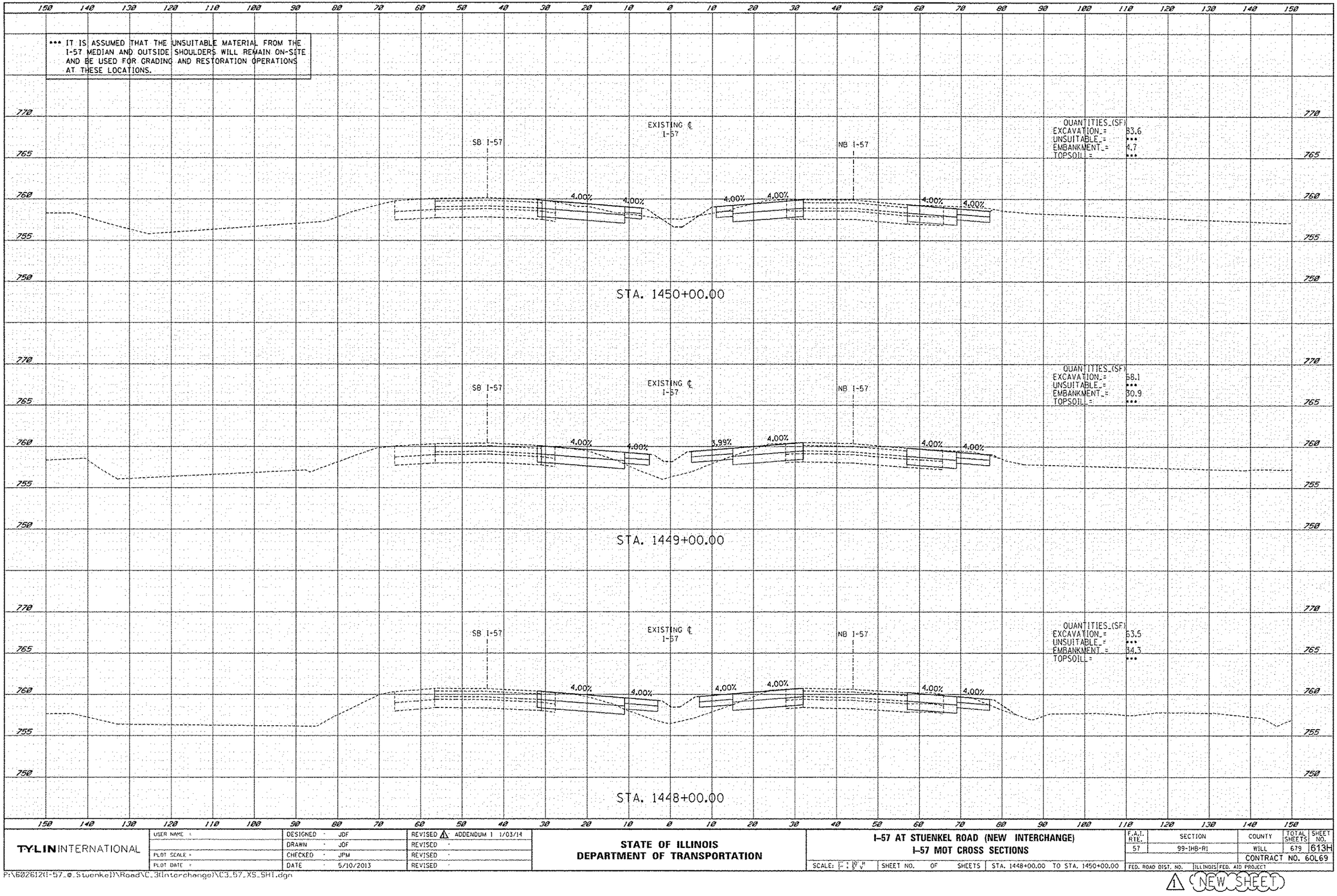
1 NEW SHEET

*** IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.



FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDF	REVISED ⚠1 ADDENDUM 1 1/03/14
	DRAWN - JDF	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' | SHEET NO. OF SHEETS | STA. 1448+00.00 TO STA. 1450+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	613H
		CONTRACT NO. 60L69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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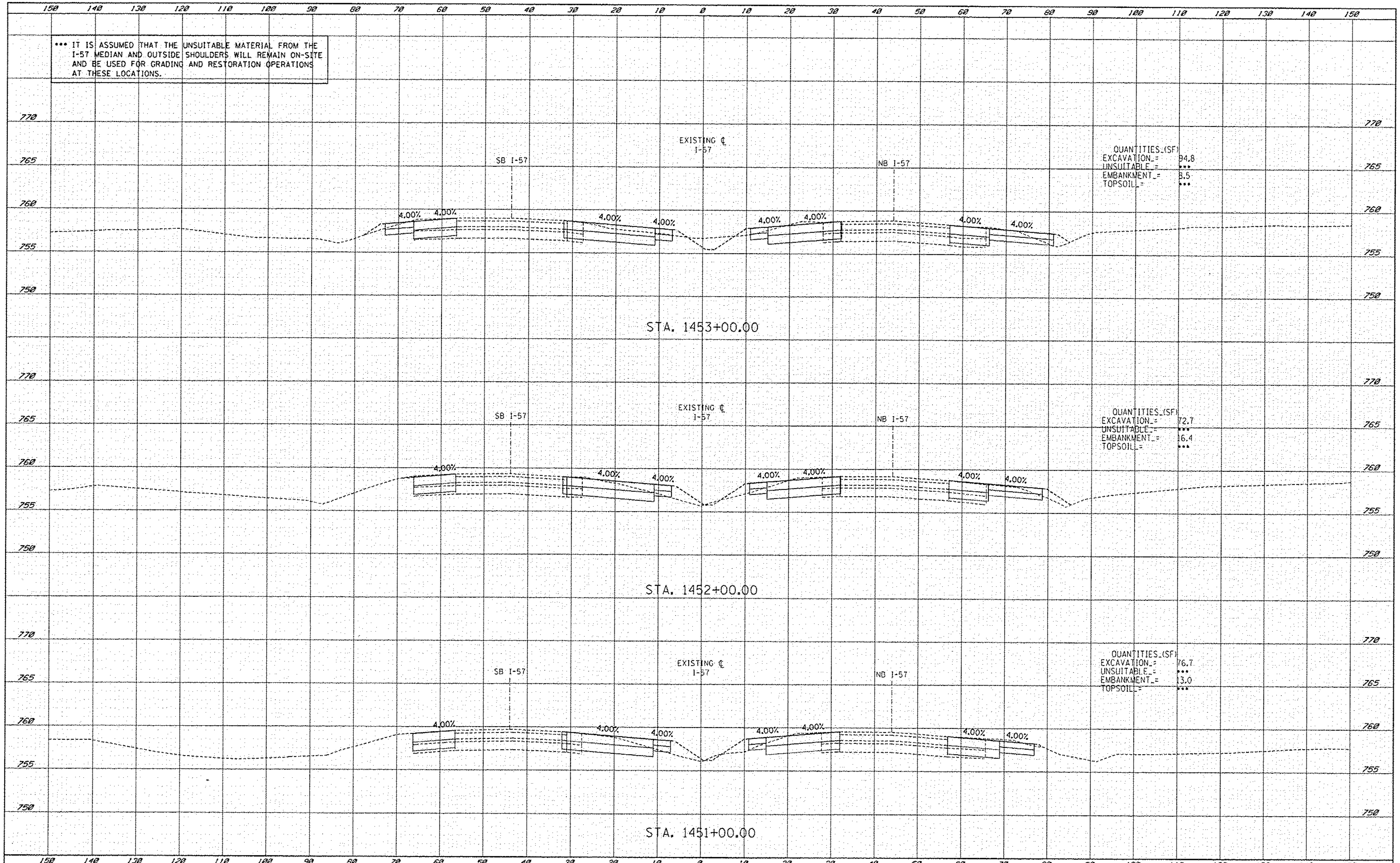
⚠1 NEW SHEET



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED ⚠ ADDENDUM 1 1/03/14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	PLOT SCALE =	DRAWN - JDF	REVISED -	
	PLOT DATE =	CHECKED - JPM	REVISED -	
		DATE - 5/10/2013	REVISED -	

I-57 AT STUENKEL ROAD (NEW INTERCHANGE)
I-57 MOT CROSS SECTIONS

SCALE: 1" = 10' H, 5' V | SHEET NO. OF SHEETS | STA. 1451+00.00 TO STA. 1453+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	613I

CONTRACT NO. 60L69

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

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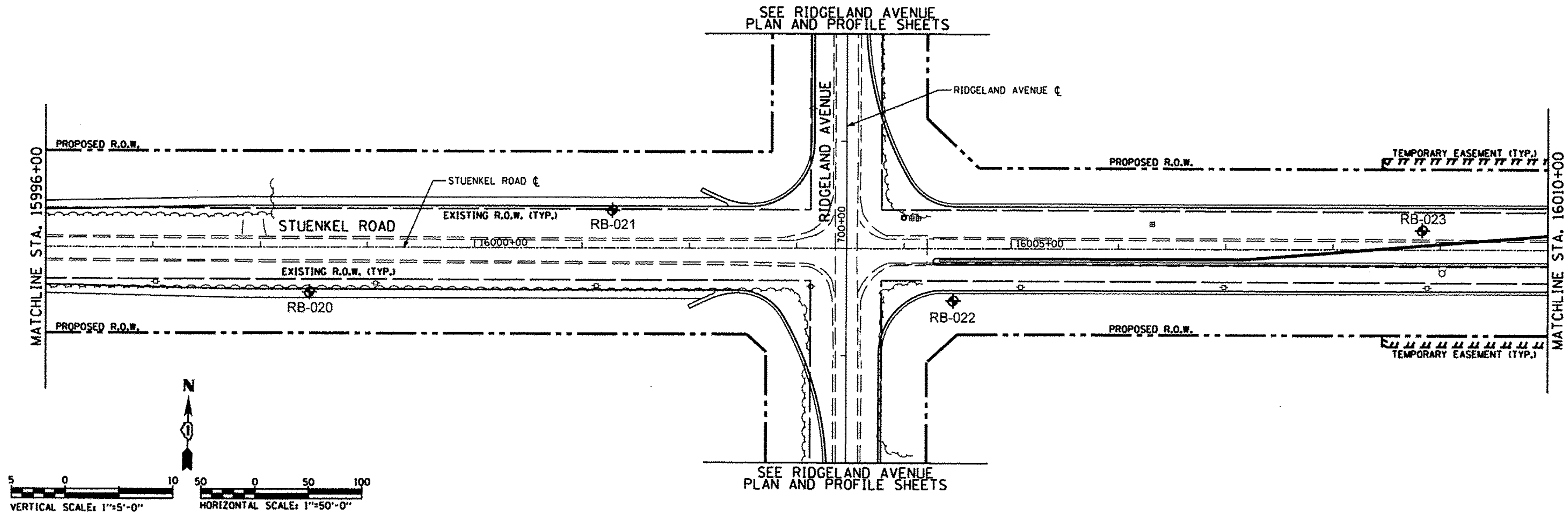
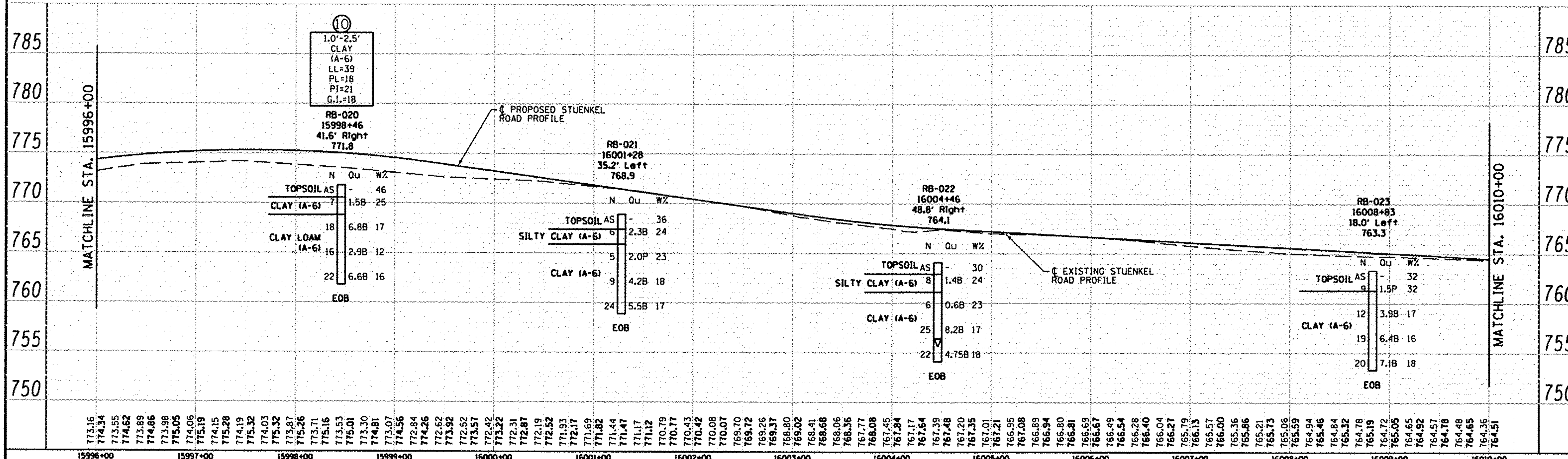
⚠ NEW SHEET





Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -
		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

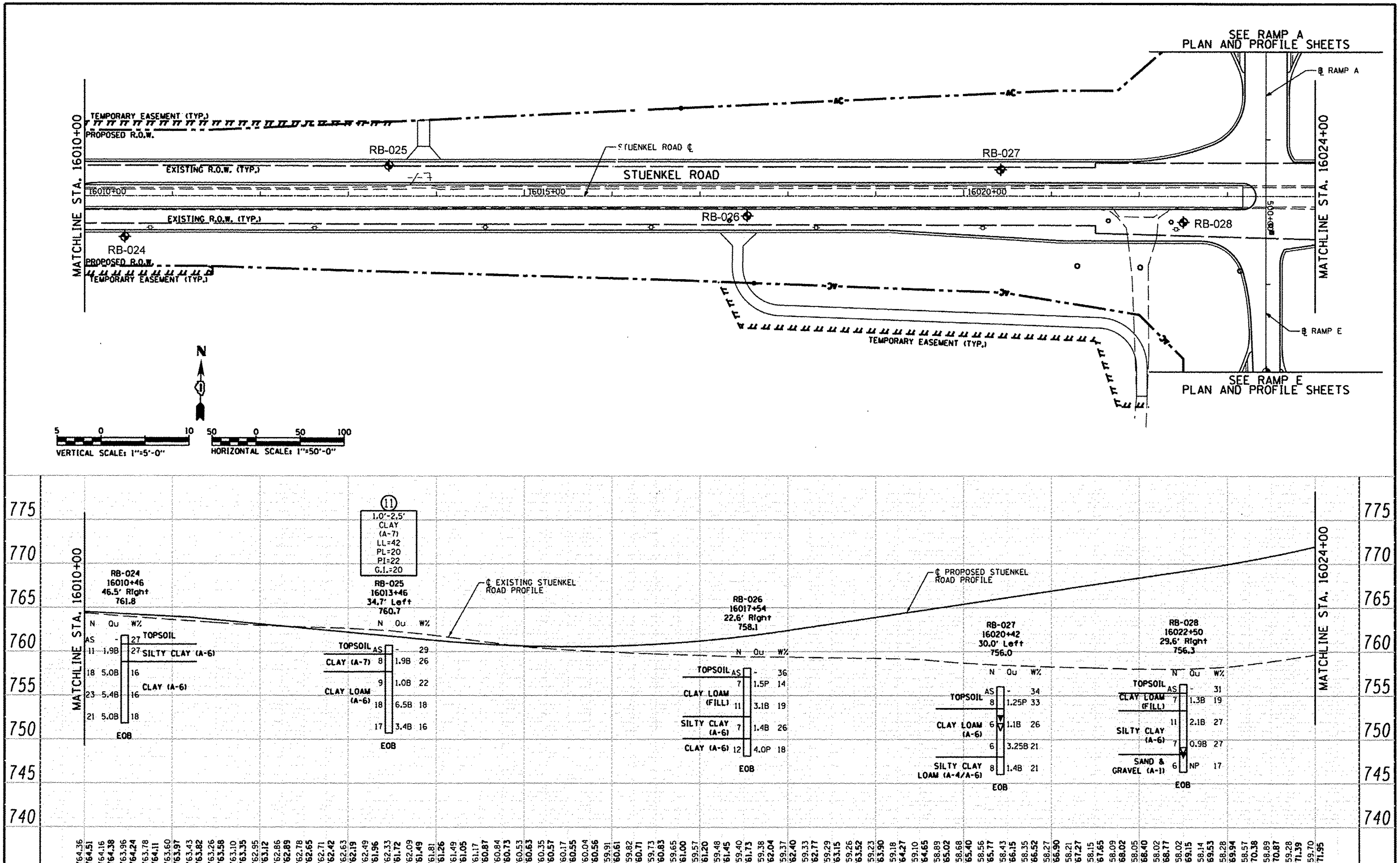
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 5 OF 10 SHEETS | STA. 15996+00 TO STA. 16010+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	614
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60563 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -
		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

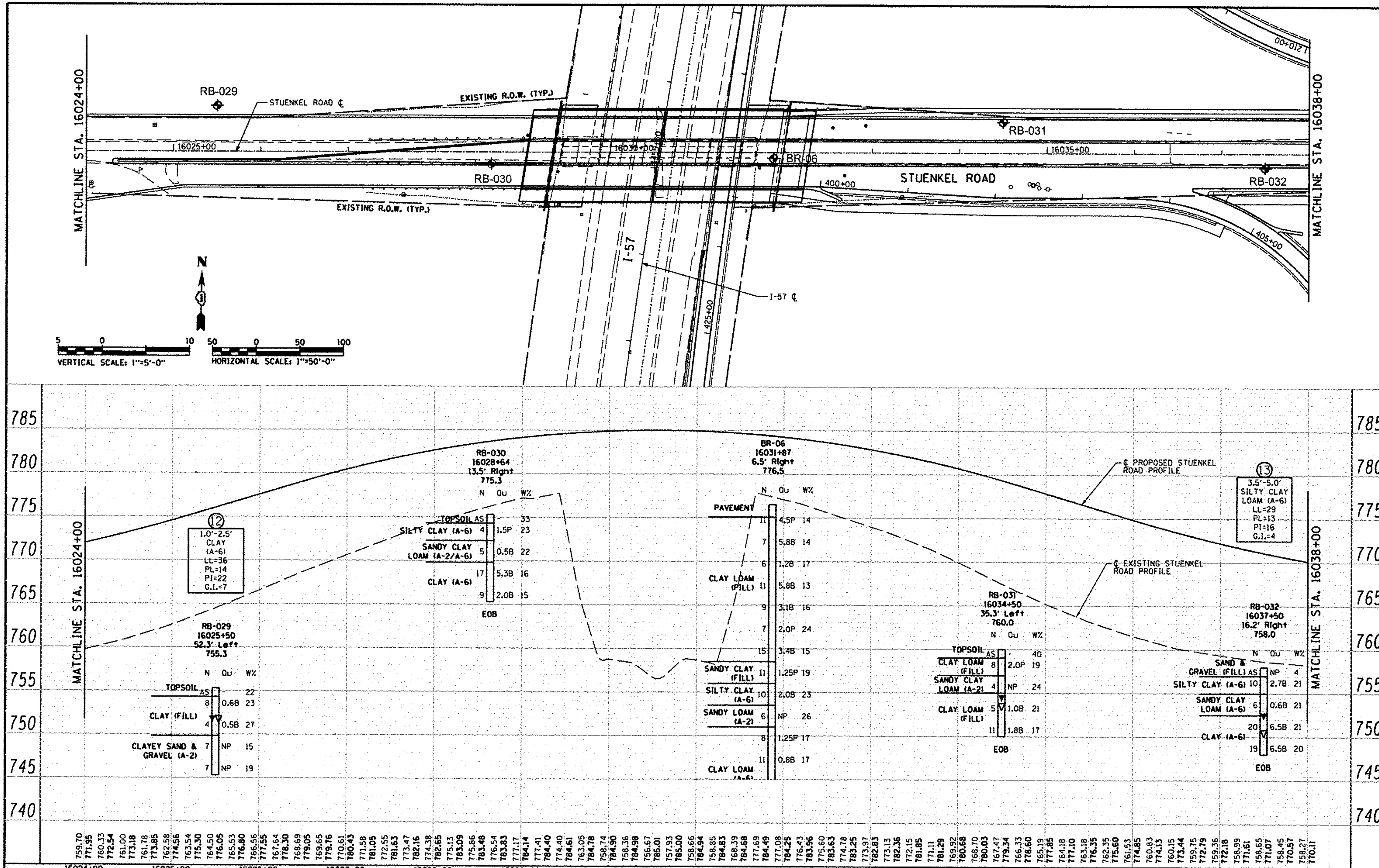
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 6 OF 10 SHEETS | STA. 16010+00 TO STA. 16024+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	615
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -
		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

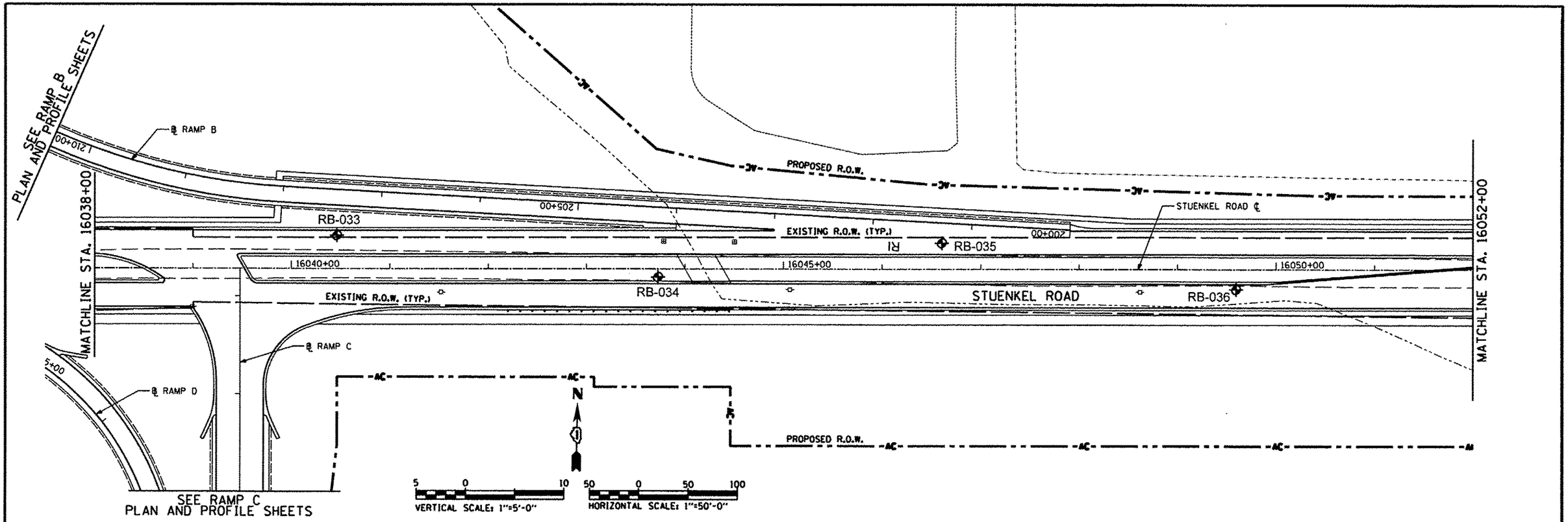
STUENKEL ROAD
SOIL BORING PLAN AND PROFILE

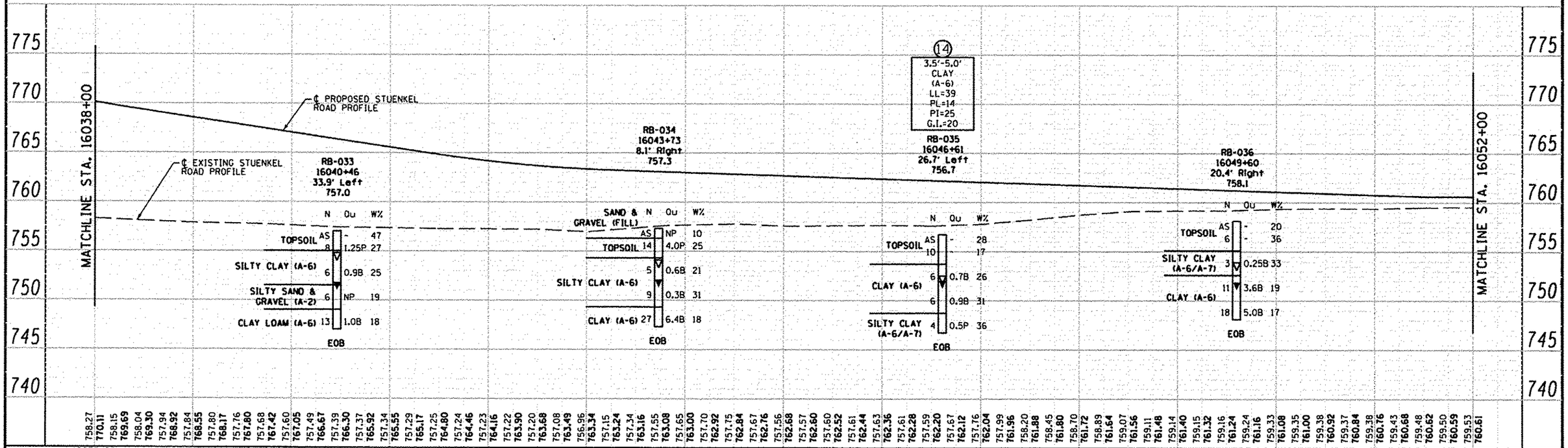
SCALE: 1:5V 1:50H | SHEET NO. 7 OF 10 SHEETS | STA. 16024+00 TO STA. 16038+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	616

CONTRACT NO.

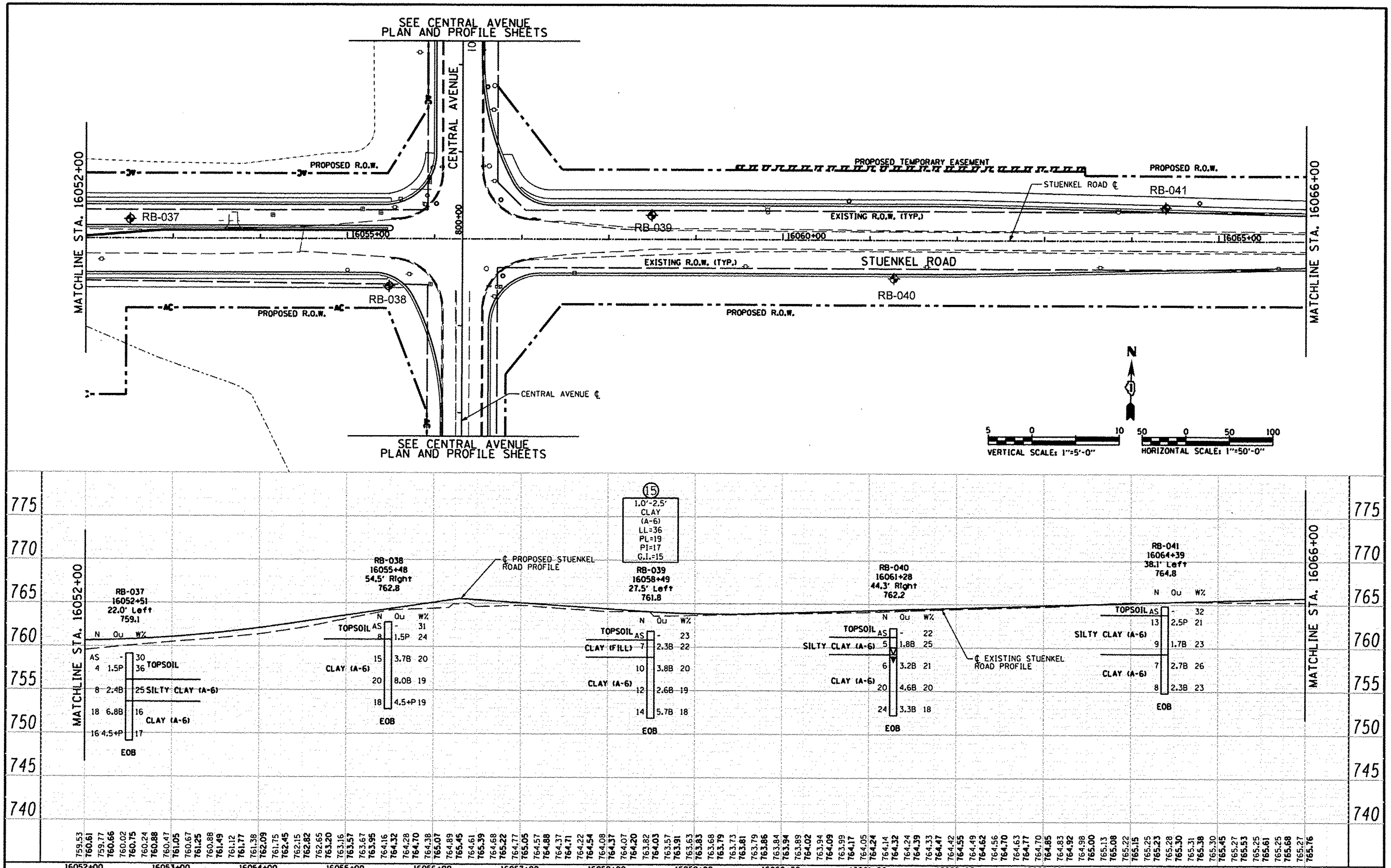
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT





Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD SOIL BORING PLAN AND PROFILE
		DRAWN - RWC	REVISED -		
	PLOT SCALE =	CHECKED - AJP	REVISED -		SCALE: 1:5V 1:50H | SHEET NO. 8 OF 10 SHEETS | STA. 16038+00 TO STA. 16052+00
	PLOT DATE =	DATE - 8/16/2012	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	617
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		


SEE CENTRAL AVENUE
PLAN AND PROFILE SHEETS
CENTRAL AVENUE
PROPOSED R.O.W.
PROPOSED TEMPORARY EASEMENT
PROPOSED R.O.W.
STUENKEL ROAD ℄
RB-041
RB-037
RB-039
EXISTING R.O.W. (TYP.)
16055+00
16060+00
16065+00
800+00
EXISTING R.O.W. (TYP.)
STUENKEL ROAD
RB-038
RB-040
PROPOSED R.O.W.
PROPOSED R.O.W.
MATCHLINE STA. 16052+00
MATCHLINE STA. 16066+00
CENTRAL AVENUE ℄
N
VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=50'-0"
SEE CENTRAL AVENUE
PLAN AND PROFILE SHEETS
775
770
765
760
755
750
745
740
15
1.0'-2.5'
CLAY
(A-6)
LL=36
PL=19
PI=17
G.I.=15
℄ PROPOSED STUENKEL ROAD PROFILE
℄ EXISTING STUENKEL ROAD PROFILE
RB-037
16052+51
22.0' Left
759.1
N Qu W%
AS - 30 TOPSOIL
4 1.5P 36
8 2.4B 25 SILTY CLAY (A-6)
18 6.8B 16 CLAY (A-6)
16 4.5+P 17
EOB
RB-038
16055+48
54.5' Right
762.8
N Qu W%
TOPSOIL AS - 31
8 1.5P 24
15 3.7B 20
CLAY (A-6)
20 8.0B 19
18 4.5+P 19
EOB
RB-039
16058+49
27.5' Left
761.8
N Qu W%
TOPSOIL AS - 23
CLAY (FILL) 7 2.3B 22
10 3.8B 20
CLAY (A-6) 12 2.6B 19
14 5.7B 18
EOB
RB-040
16061+28
44.3' Right
762.2
N Qu W%
TOPSOIL AS - 22
SILTY CLAY (A-6) 5 1.8B 25
6 3.2B 21
CLAY (A-6) 20 4.6B 20
24 3.3B 18
EOB
RB-041
16064+39
38.1' Left
764.8
N Qu W%
TOPSOIL AS - 32
13 2.5P 21
SILTY CLAY (A-6) 9 1.7B 23
7 2.7B 26
CLAY (A-6) 8 2.3B 23
EOB
16052+00
16053+00
16054+00
16055+00
16056+00
16057+00
16058+00
16059+00
16060+00
16061+00
16062+00
16063+00
16064+00
16065+00
16066+00

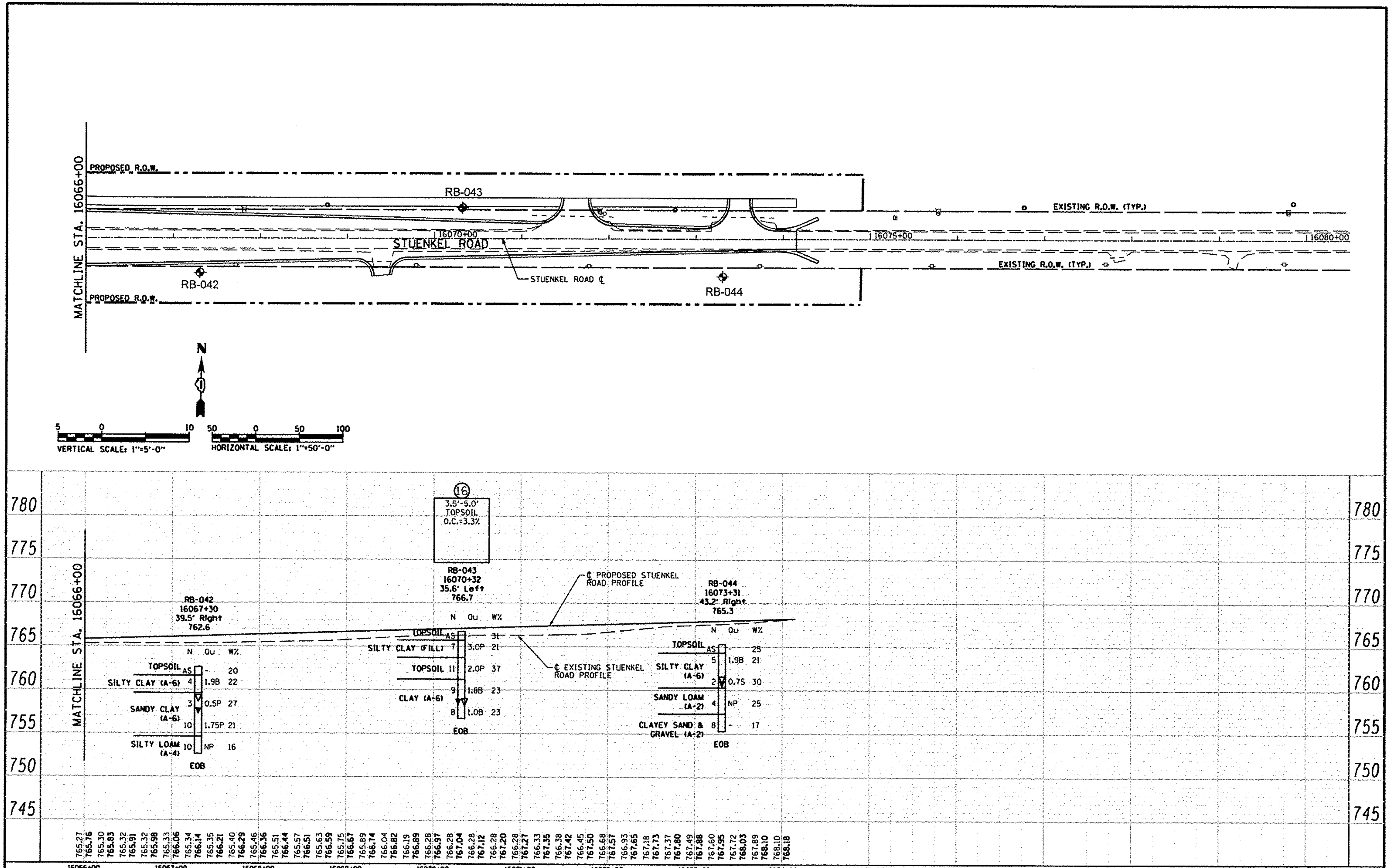
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering, 805 Amherst Court, Suite 204, Naperville, Illinois 60563 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - RWC	REVISED -	
	PLOT SCALE =	CHECKED - AJP	REVISED -	
	PLOT DATE =	DATE - 8/16/2012	REVISED -	

STUENKEL ROAD
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 9 OF 10 SHEETS | STA. 16052+00 TO STA. 16066+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	618
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

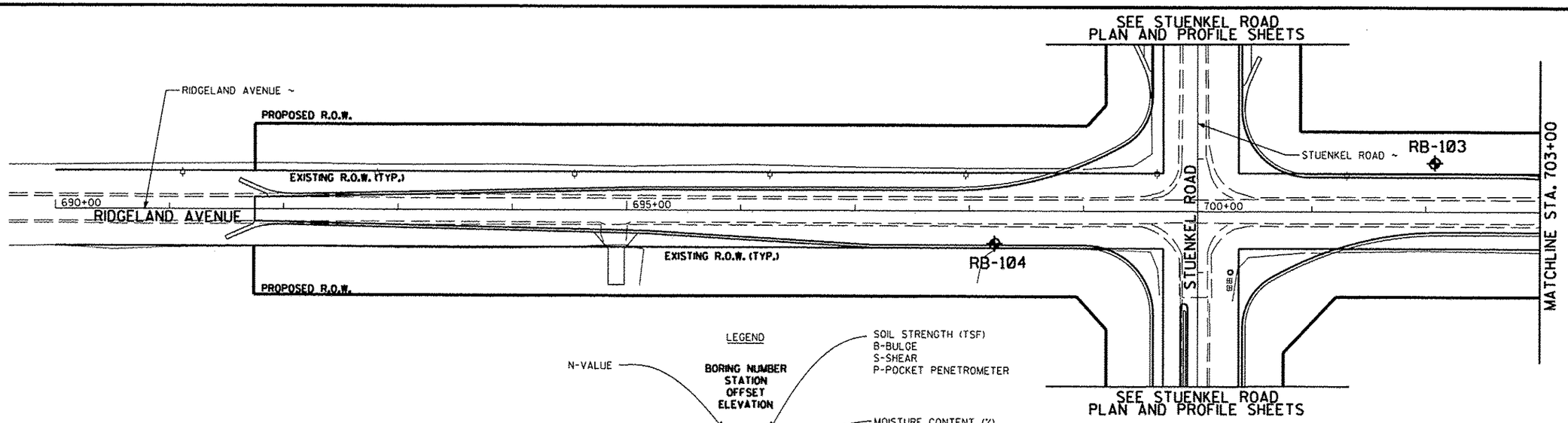
STUENKEL ROAD
SOIL BORING PLAN AND PROFILE

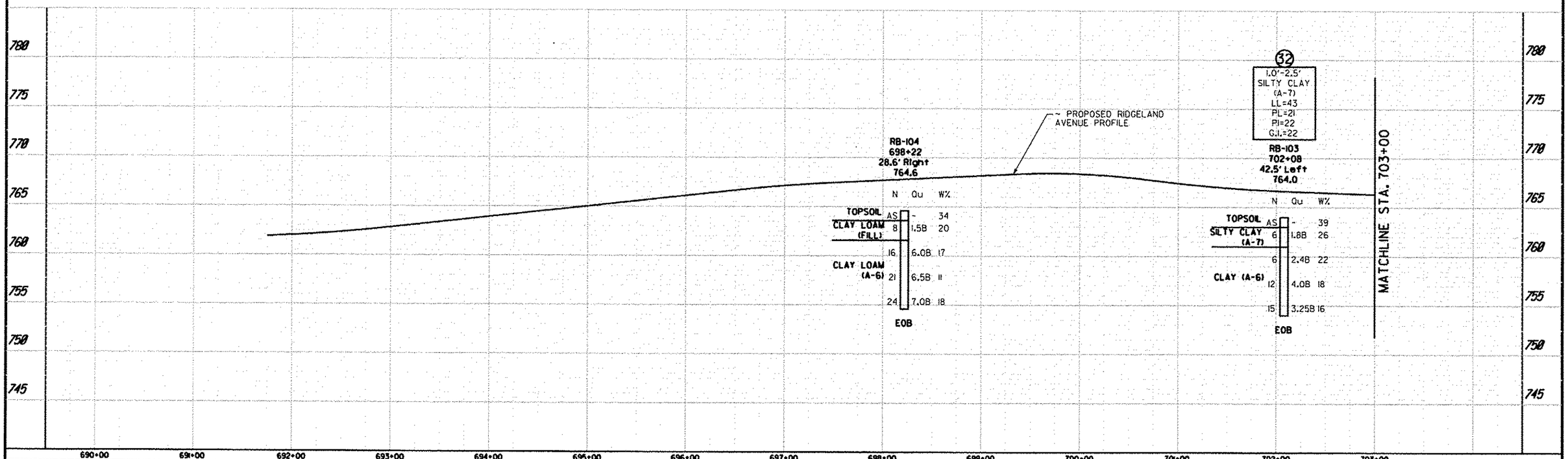
SCALE: 1:5V 1:50H | SHEET NO. 10 OF 10 SHEETS | STA. 16066+00 TO STA. 16080+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	619

CONTRACT NO.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT





PLAN — SURVEYED · DRAWN · ALIGNMENT CHECKED · GRADES CHECKED · BEAR. NOTED · STRUCTURE NOMENCLATURE CHKD · NOTE BOOK · NO. · BY · DATE

PROFILE — SURVEYED · DRAWN · CHECKED · GRADES CHECKED · BEAR. NOTED · STRUCTURE NOMENCLATURE CHKD · NOTE BOOK · NO. · BY · DATE

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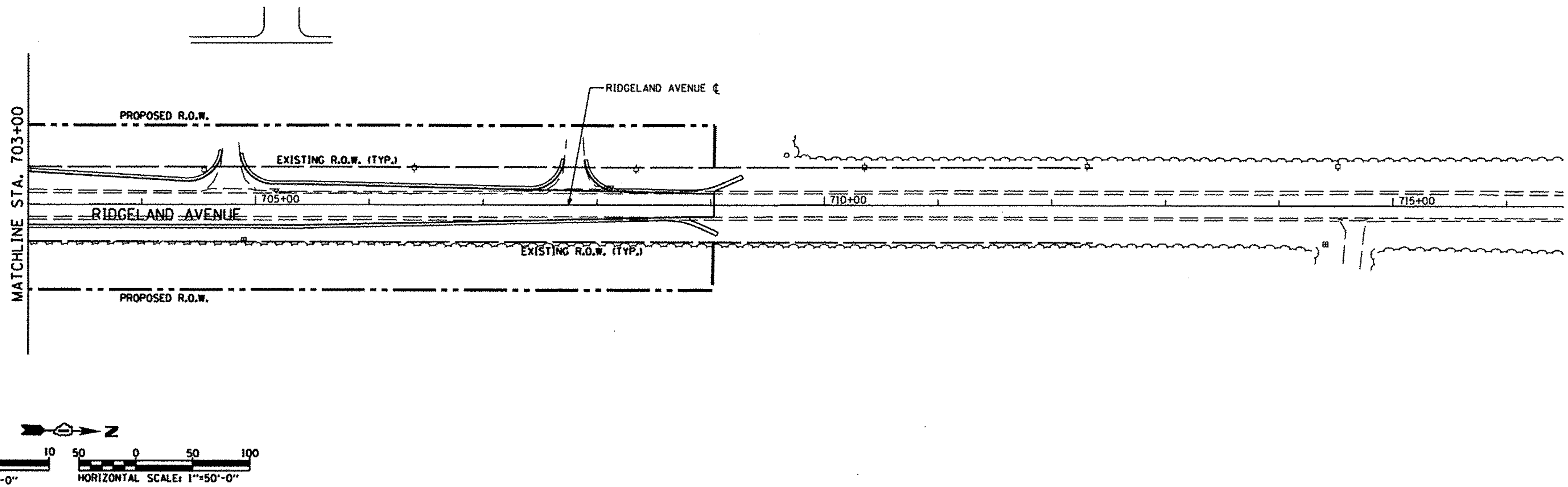
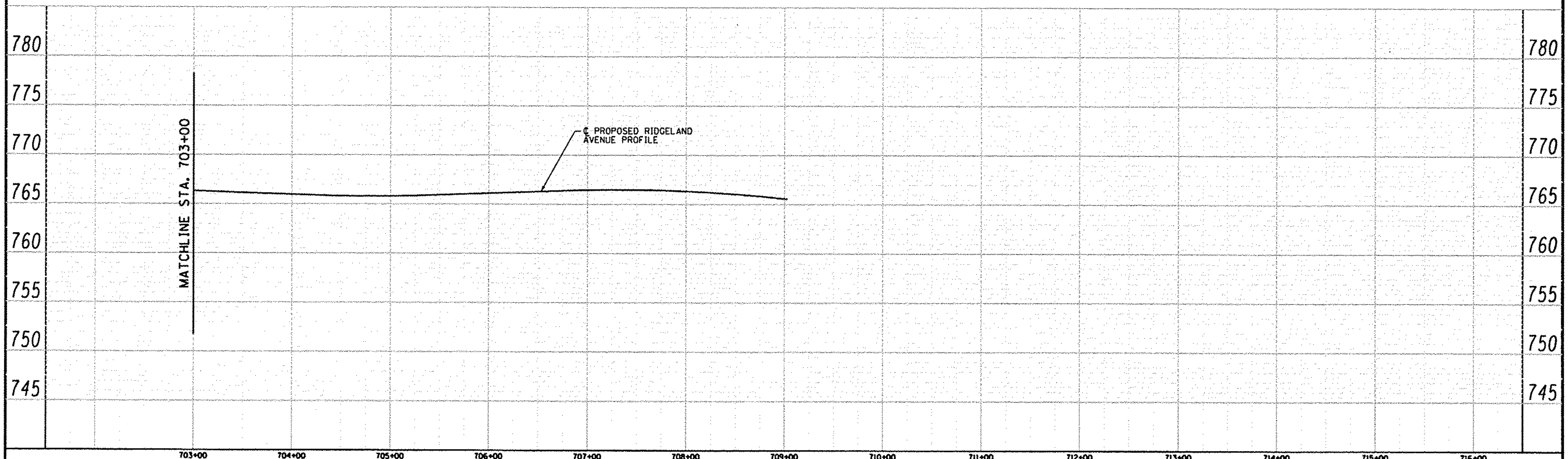
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIDGELAND AVENUE
SOIL BORING PLAN AND PROFILE

SCALE: H:5' V:50' | SHEET NO. 1 OF 2 SHEETS | STA. 690+080 STA. 703+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	620
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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STATE OF ILLINOIS
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RIDGELAND AVENUE
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 2 OF 2 SHEETS | STA. 703+00 TO STA. 716+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	621
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS

PROPOSED R.O.W.

RB-106

795+00

STUENKEL ROAD

800+00

RB-105

805+00

CENTRAL AVENUE

CENTRAL AVENUE ℄

PROPOSED R.O.W.

STUENKEL ROAD ℄

SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS

N

5 0 10
VERTICAL SCALE: 1"=5'-0"

50 0 50 100
HORIZONTAL SCALE: 1"=50'-0"

LEGEND

N-VALUE

BORING NUMBER
STATION
OFFSET
ELEVATION

SOIL STRENGTH (TSF)
B-BULGE
S-SHEAR
P-POCKET PENETROMETER

N Qu W%

MOISTURE CONTENT (%)
NR=NO RECOVERY

GROUNDWATER ELEVATION
▼ FIRST ENCOUNTER
▽ AT COMPLETION
▽ 24 HRS WATER LEVEL

(1) 3.5'-5.0' SILTY CLAY LOAM (A-6) LL=35 PL=17 PI=18

SAMPLE INFORMATION
DEPTH
CLASSIFICATION
LL= LIQUID LIMIT
PL=PLASTIC LIMIT
PI=PLASTICITY INDEX
O.C. = ORGANIC CONTENT
G.I.=GROUP INDEX

AS	10	2.5P	22
	9	NP	7
	16	1.5B	14
	27	-	12

EOB

EOB=END OF BORING

RB-106
798+28
27.0' Left
763.1

N Qu W%

TOPSOIL
AS - 30
SAND & GRAVEL (FILL) 7 NP 5
CLAYEY SAND & GRAVEL (FILL) 9 NP 10
10 1.9B 23
CLAY (A-6)
9 2.0B 18
EOB

℄ PROPOSED CENTRAL AVENUE PROFILE

RB-105
802+11
25.6' Right
767.6

N Qu W%

TOPSOIL AS - 27
4 1.75P 22
10 3.18 17
CLAY (A-6)
15 6.5B 16
24 4.5+P 17
EOB

780 775 770 765 760 755 750 745

794+00 795+00 796+00 797+00 798+00 799+00 800+00 801+00 802+00 803+00 804+00 805+00 806+00 807+00 808+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTRAL AVENUE
SOIL BORING PLAN AND PROFILE

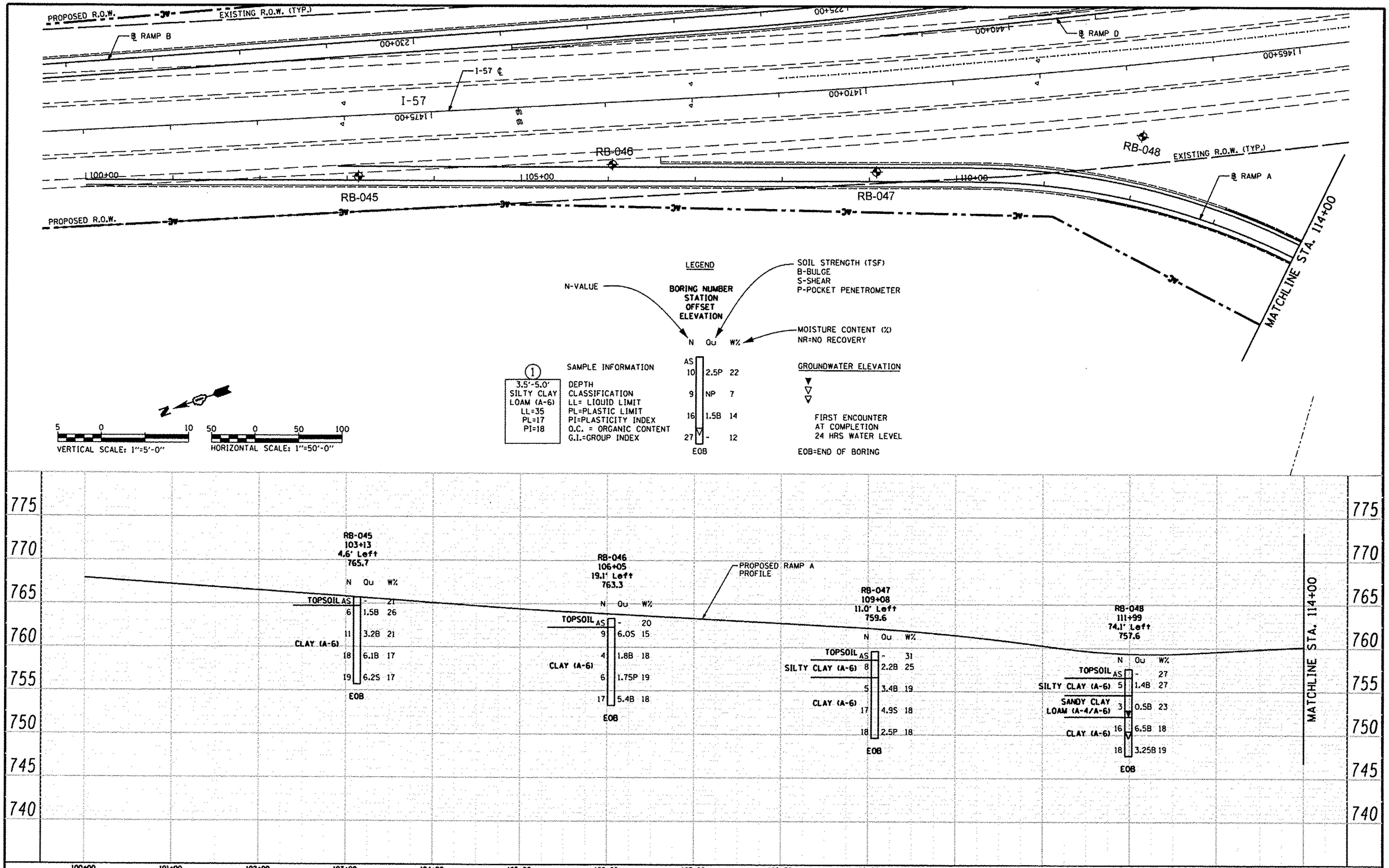
SCALE: 1:5V 1:50H | SHEET NO. 1 OF 1 SHEETS | STA. 794+00 TO STA. 808+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-	COOK	679	622
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

PLAN
DATE
BY
SURVEYED
PLOTTED
CROSS CHECKED
FINAL NOTED
STRUCTURE NOTATIONS DRAWN
NOTE BOOK
NO.
PLAN FILE NAME

PROFILE
DATE
BY
SURVEYED
PLOTTED
CROSS CHECKED
FINAL NOTED
STRUCTURE NOTATIONS DRAWN
NOTE BOOK
NO.



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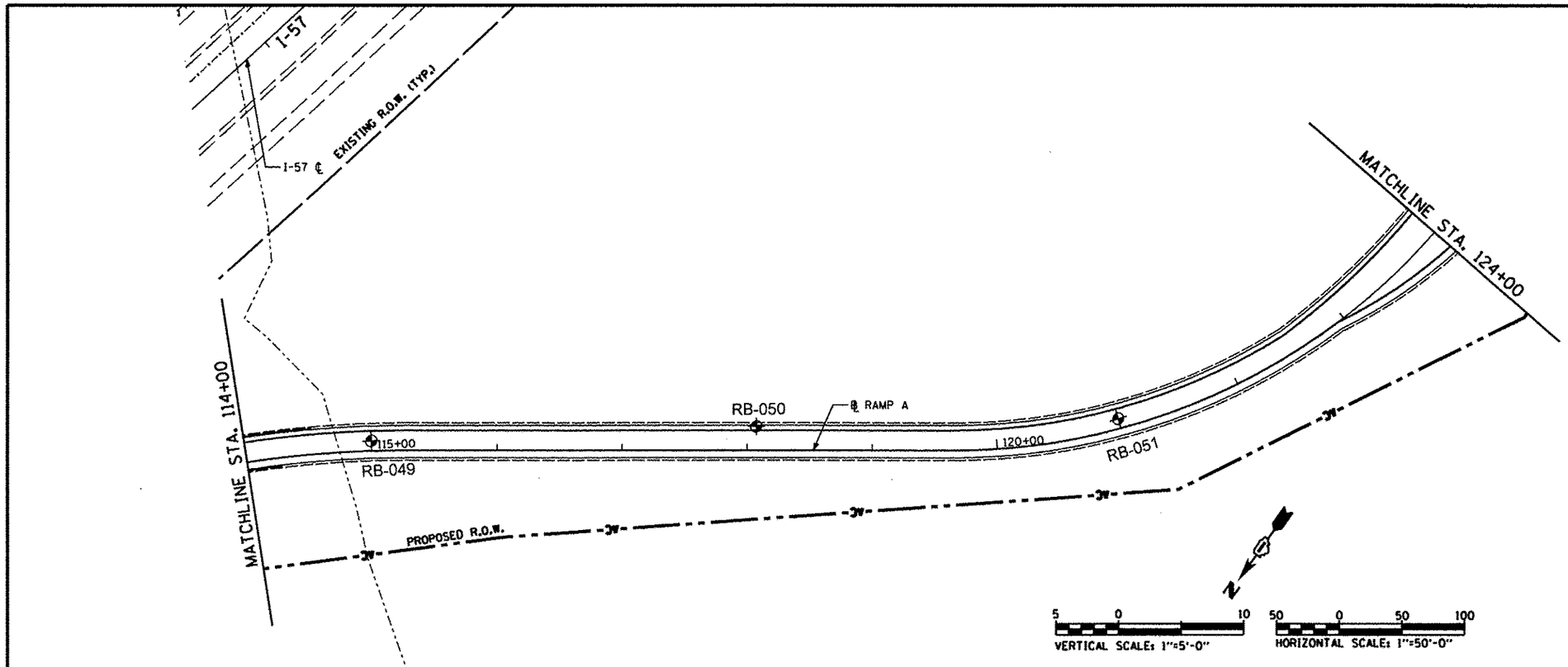
	PLOT DATE =	DATE - 8/16/2012	REVISED -	

RAMP A
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 1 OF 3 SHEETS | STA. 100+00 TO STA. 114+00

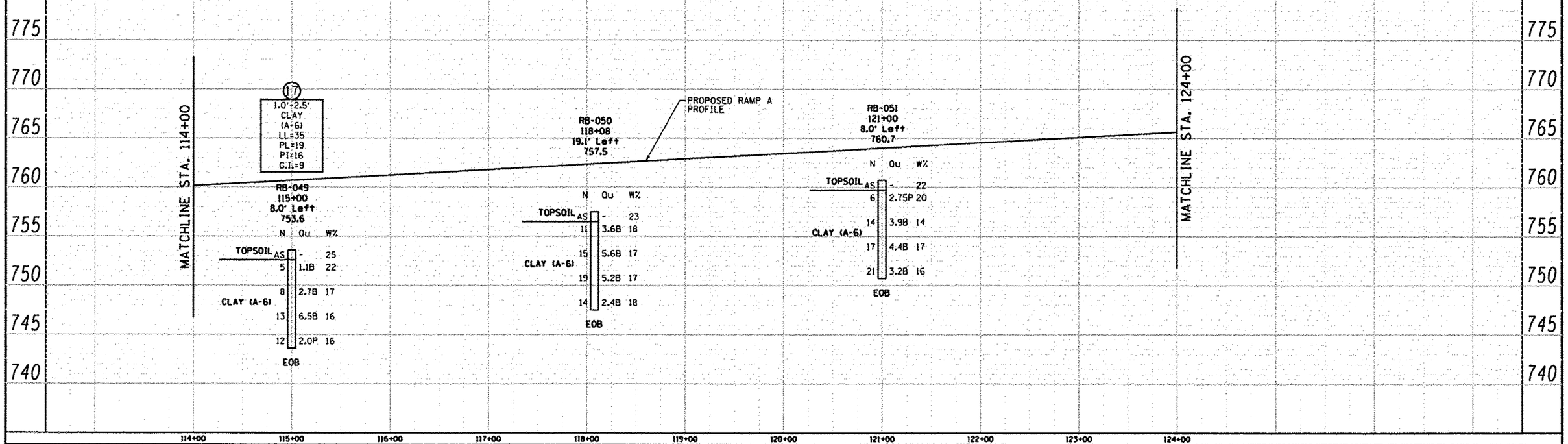
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	623
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



PLAN
WORKED
PLOTTED
ALIGNMENT CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

PROFILE
WORKED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
STRUCTURE NO(S)/FHWA CHKD
BY
DATE



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PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP A
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 2 OF 3 SHEETS | STA. 114+00 TO STA. 124+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	624
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS

MATCHLINE STA. 124+00

℄ RAMP A

RB-052

125+00

500+00

RB-053

STUENKEL ROAD ℄

EXISTING R.O.W. (TYP.)

EXISTING R.O.W. (TYP.)

℄ RAMP E

505+00

STUENKEL ROAD ℄

PROPOSED R.O.W.

PROPOSED R.O.W.

TEMPORARY EASEMENT (TYP.)

SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS

N

5 0 10
VERTICAL SCALE: 1"=5'-0"

50 0 50 100
HORIZONTAL SCALE: 1"=50'-0"

MATCHLINE STA. 124+00

(18)
1.0'-2.5'
SILTY CLAY
LOAM (A-7)
LL=41
PL=20
PI=21
G.I.=18

PROPOSED RAMP A
PROFILE

RB-052
124+13
14.4' Left
757.4

N	Qu	W%	
AS	-	37	TOPSOIL
6	0.7B	27	SILTY CLAY LOAM (A-7)
6	2.7B	16	
21	4.6B	18	CLAY (A-6)
21	4.0B	18	

EOB

RB-053
127+00
2.5' Left
755.2

N	Qu	W%	
AS	-	34	TOPSOIL
5	1.0P	29	
4	-	24	SANDY CLAY LOAM (FILL)
10	3.3B	18	CLAY (A-6)
8	0.9B	17	

EOB

775 770 765 760 755 750 745 740

124+00 125+00 126+00 127+00

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., STRUCTURE NOTATIONS CKED, BY, DATE

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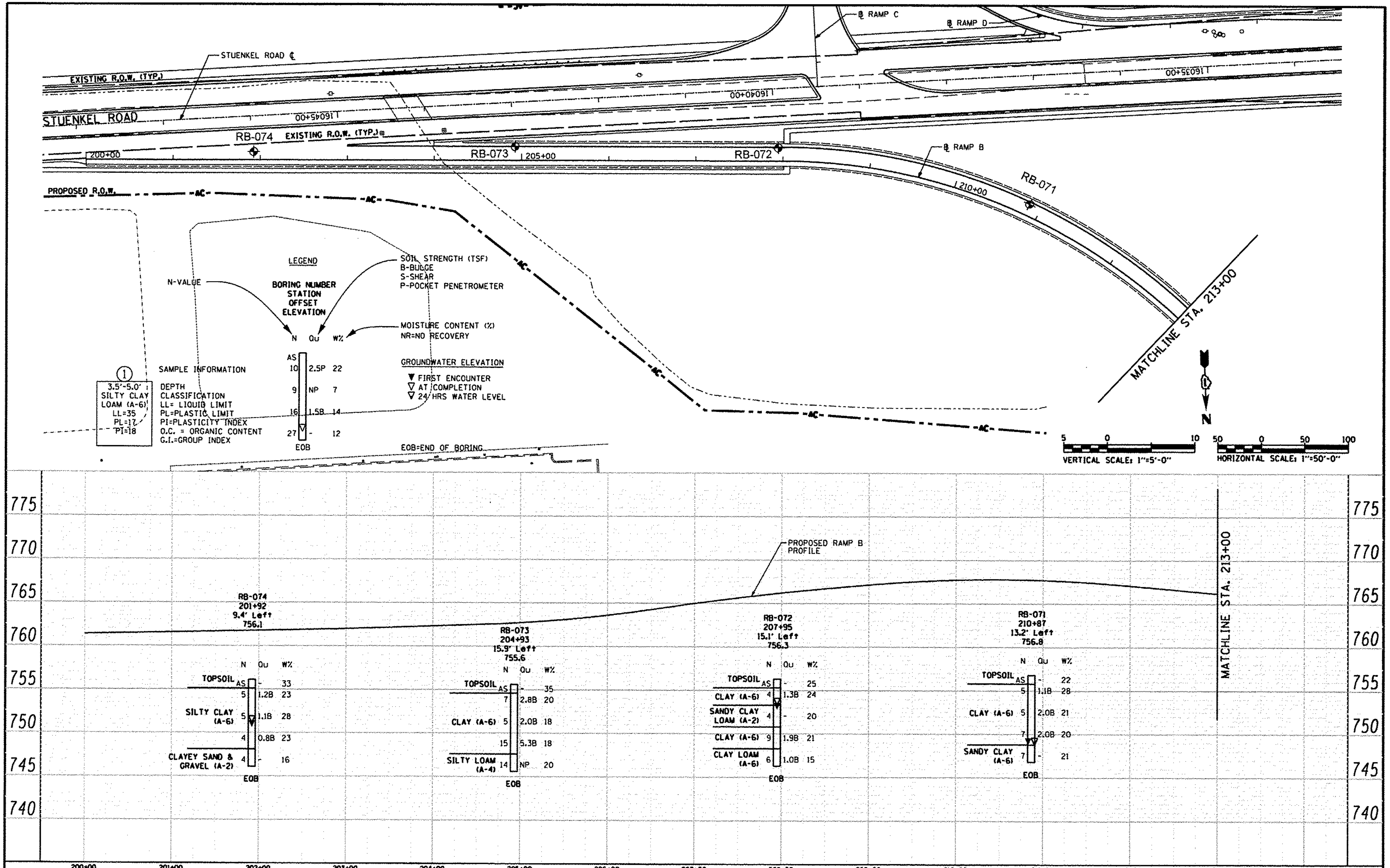
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP A
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 3 OF 3 SHEETS | STA. 124+00 TO STA. 127+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	625
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		


STUENKEL ROAD ℄
EXISTING R.O.W. (TYP.)
STUENKEL ROAD
℄ RAMP C
℄ RAMP D
L 16035+00
L 16040+00
L 16045+00
RB-074
EXISTING R.O.W. (TYP.)
200+00
RB-073
205+00
RB-072
℄ RAMP B
RB-071
210+00
PROPOSED R.O.W.
AC
LEGEND
N-VALUE
BORING NUMBER
STATION
OFFSET
ELEVATION
SOIL STRENGTH (TSF)
B-BULGE
S-SHEAR
P-POCKET PENETROMETER
MOISTURE CONTENT (%)
NR=NO RECOVERY
N Qu W%
AS
10 2.5P 22
9 NP 7
16 1.5B 14
27 - 12
EOB
GROUNDWATER ELEVATION
FIRST ENCOUNTER
AT COMPLETION
24 HRS WATER LEVEL
EOB=END OF BORING
SAMPLE INFORMATION
1
3.5'-5.0'
SILTY CLAY
LOAM (A-6)
LL=35
PL=17
PI=18
DEPTH
CLASSIFICATION
LL= LIQUID LIMIT
PL=PLASTIC LIMIT
PI=PLASTICITY INDEX
O.C. = ORGANIC CONTENT
G.I.=GROUP INDEX
MATCHLINE STA. 213+00
N
VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=50'-0"
PROPOSED RAMP B PROFILE
RB-074
201+92
9.4' Left
756.1
N Qu W%
TOPSOIL AS - 33
5 1.2B 23
SILTY CLAY (A-6) 5 1.1B 28
4 0.8B 23
CLAYEY SAND & GRAVEL (A-2) 4 - 16
EOB
RB-073
204+93
15.9' Left
755.6
N Qu W%
TOPSOIL AS - 35
7 2.8B 20
CLAY (A-6) 5 2.0B 18
15 5.3B 18
SILTY LOAM (A-4) 14 NP 20
EOB
RB-072
207+95
15.1' Left
756.3
N Qu W%
TOPSOIL AS - 25
CLAY (A-6) 4 1.3B 24
SANDY CLAY LOAM (A-2) 4 - 20
CLAY (A-6) 9 1.9B 21
CLAY LOAM (A-6) 6 1.0B 15
EOB
RB-071
210+87
13.2' Left
756.8
N Qu W%
TOPSOIL AS - 22
5 1.1B 28
CLAY (A-6) 5 2.0B 21
7 2.0B 20
SANDY CLAY (A-6) 7 - 21
EOB
MATCHLINE STA. 213+00
775
770
765
760
755
750
745
740
200+00
201+00
202+00
203+00
204+00
205+00
206+00
207+00
208+00
209+00
210+00
211+00
212+00
213+00

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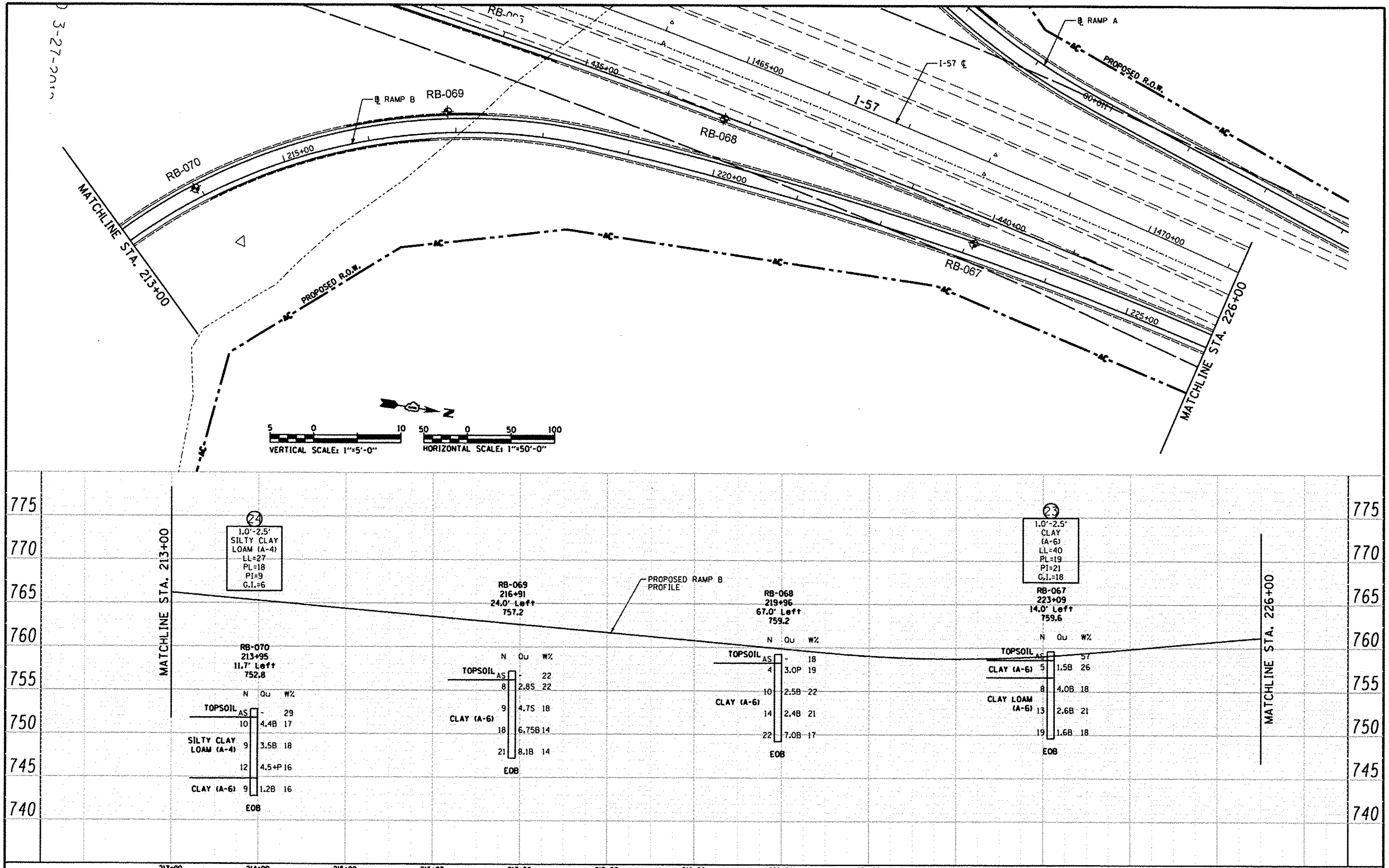
		DRAWN - RWC	REVISED -		
	PLOT SCALE =	CHECKED - AJP	REVISED -		
	PLOT DATE =	DATE - 8/16/2012	REVISED -		SCALE: 1:5V 1:50H · SHEET NO. 1 OF 4 SHEETS · STA. 200+00 TO STA. 213+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	626
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



3-27-2012
RB-069
℄ RAMP B
RB-070
RB-068
RB-067
℄ RAMP A
I-57
I-57 ℄
435+00
465+00
440+00
470+00
215+00
220+00
225+00
PROPOSED R.O.W.
AC
MATCHLINE STA. 213+00
MATCHLINE STA. 226+00
N
5 0 10
VERTICAL SCALE: 1"=5'-0"
50 0 50 100
HORIZONTAL SCALE: 1"=50'-0"
775
770
765
760
755
750
745
740
24
1.0'-2.5'
SILTY CLAY
LOAM (A-4)
LL=27
PL=18
PI=9
G.I.=6
23
1.0'-2.5'
CLAY
(A-6)
LL=40
PL=19
PI=21
G.I.=18
PROPOSED RAMP B PROFILE
RB-070
213+95
11.7' Left
752.8
N Qu W%
TOPSOIL AS - 29
10 4.4B 17
SILTY CLAY LOAM (A-4) 9 3.5B 18
12 4.5+P 16
CLAY (A-6) 9 1.2B 16
EOB
RB-069
216+91
24.0' Left
757.2
N Qu W%
TOPSOIL AS - 22
8 2.8S 22
CLAY (A-6) 9 4.7S 18
18 6.75B 14
21 8.1B 14
EOB
RB-068
219+96
67.0' Left
759.2
N Qu W%
TOPSOIL AS - 18
4 3.0P 19
CLAY (A-6) 10 2.5B 22
14 2.4B 21
22 7.0B 17
EOB
RB-067
223+09
14.0' Left
759.6
N Qu W%
TOPSOIL AS - 57
CLAY (A-6) 5 1.5B 26
8 4.0B 18
CLAY LOAM (A-6) 13 2.6B 21
19 1.6B 18
EOB
213+00
214+00
215+00
216+00
217+00
218+00
219+00
220+00
221+00
222+00
223+00
224+00
225+00
226+00

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STATE OF ILLINOIS
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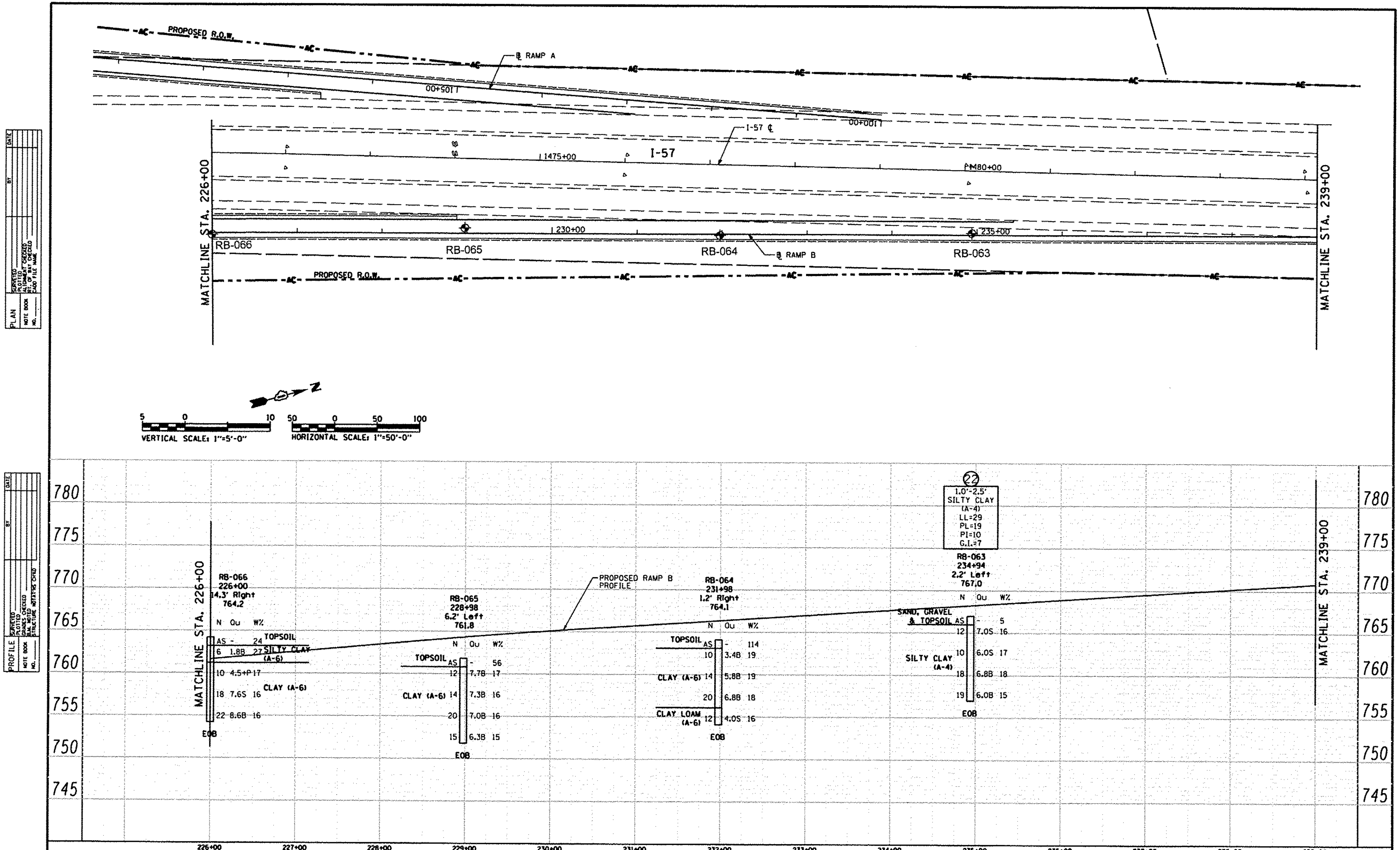
RAMP B
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 2 OF 4 SHEETS | STA. 213+00 TO STA. 226+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	627
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



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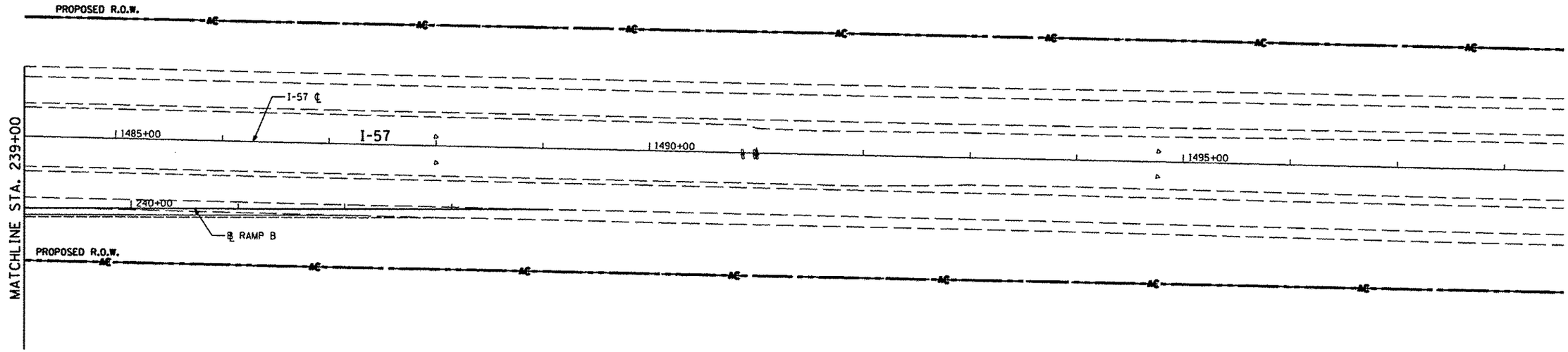
		DRAWN - RWC	REVISED -		
	PLOT SCALE =	CHECKED - AJP	REVISED -		
	PLOT DATE =	DATE - 8/16/2012	REVISED -		SCALE: 1:5V 1:50H · SHEET NO. 3 OF 4 SHEETS · STA. 226+00 TO STA. 239+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	628
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | NOTE BOOK | BM. OF ELEV. CHECKED | NO. ____ | ROAD FILE NAME | BY | DATE

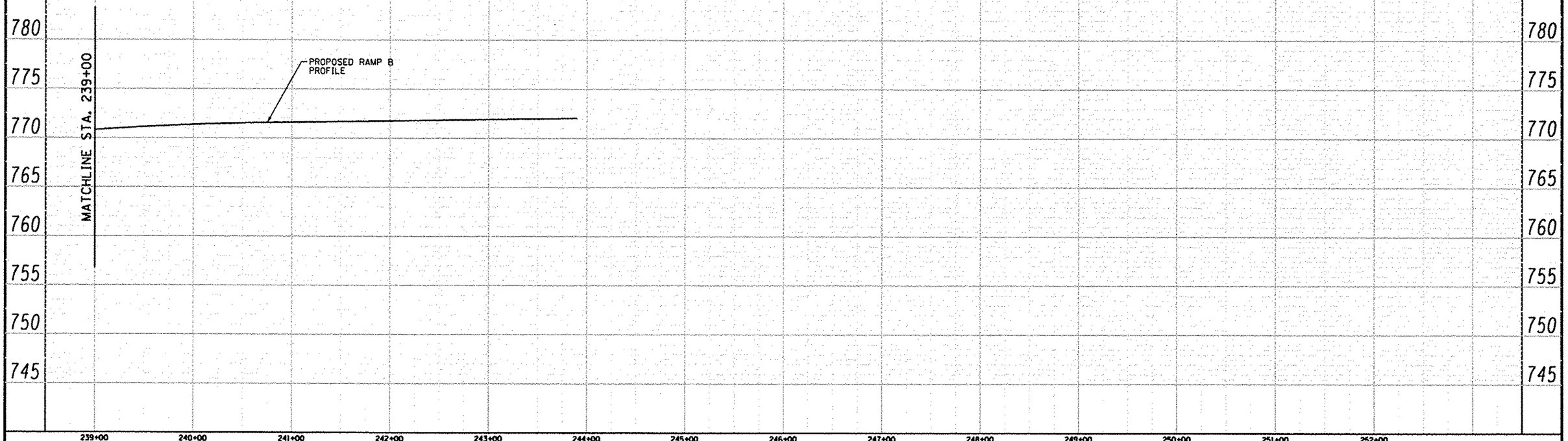


N

5 0 10 — VERTICAL SCALE: 1"=5'-0"

50 0 50 100 — HORIZONTAL SCALE: 1"=50'-0"

PROFILE | SURVEYED | DRAWN | CALCS CHECKED | NOTE BOOK | BM. NOTED | NO. ____ | STRUCTURE NAME/FEATURE CARRIED | BY | DATE



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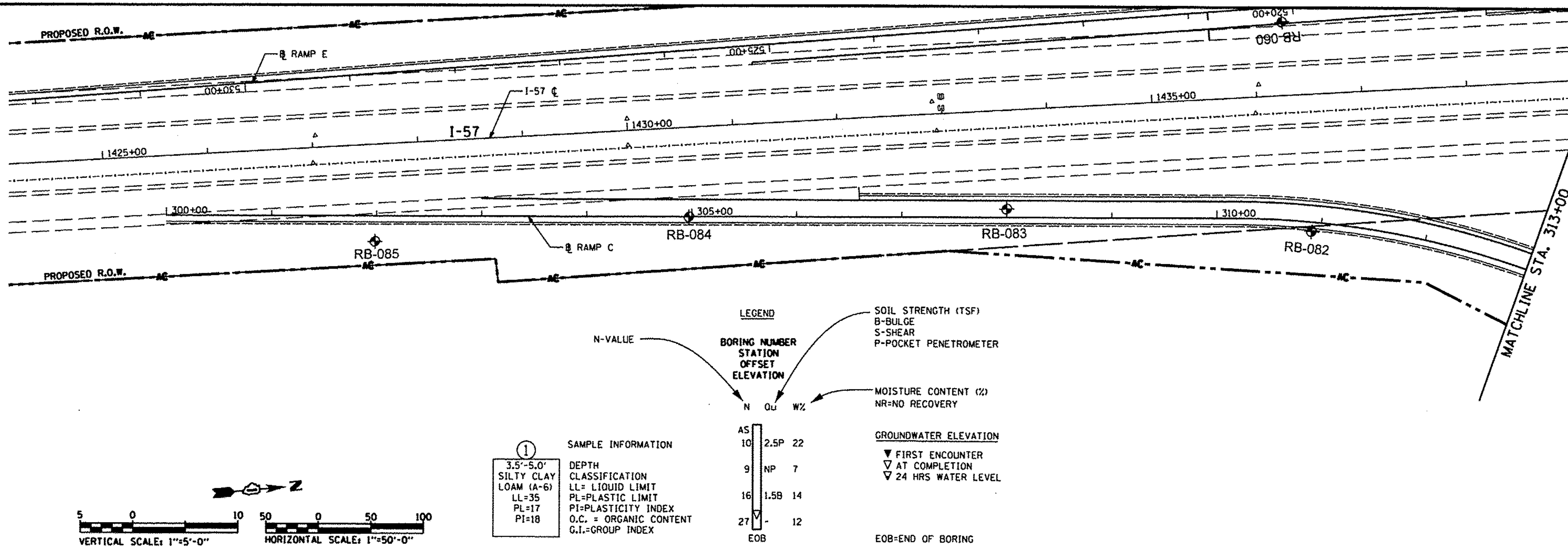
PLOT DATE =	DATE - 8/16/2012	REVISED -	

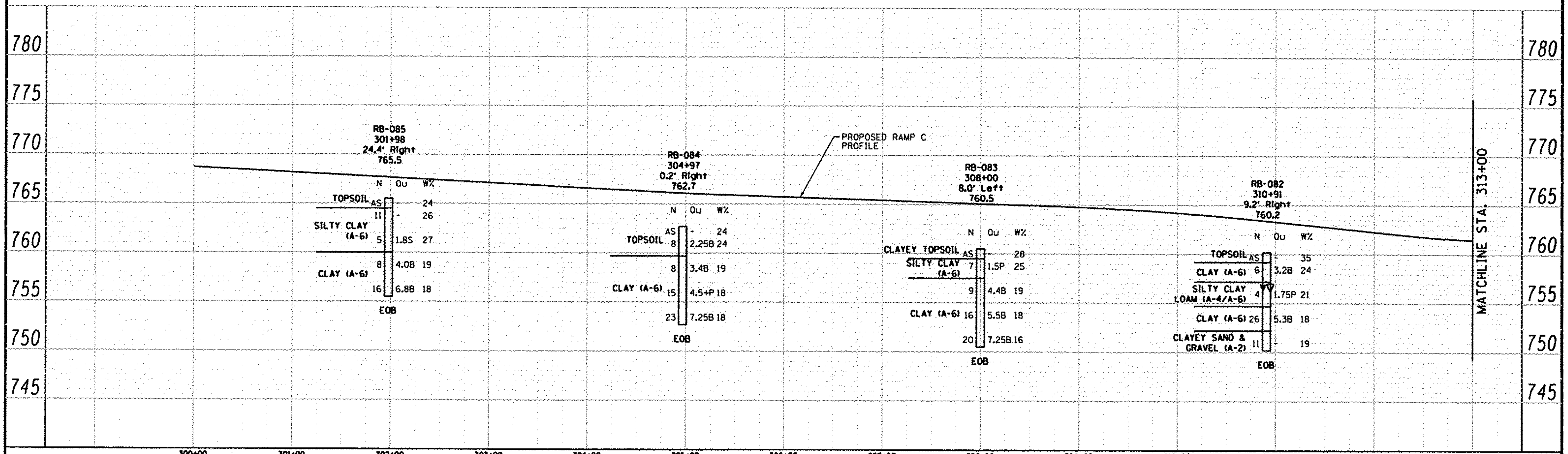
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP B
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 4 OF 4 SHEETS | STA. 239+00 TO STA. 252+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	629
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

USER NAME =	DESIGNED - RWC	REVISED -	
	DRAWN - RWC	REVISED -	
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

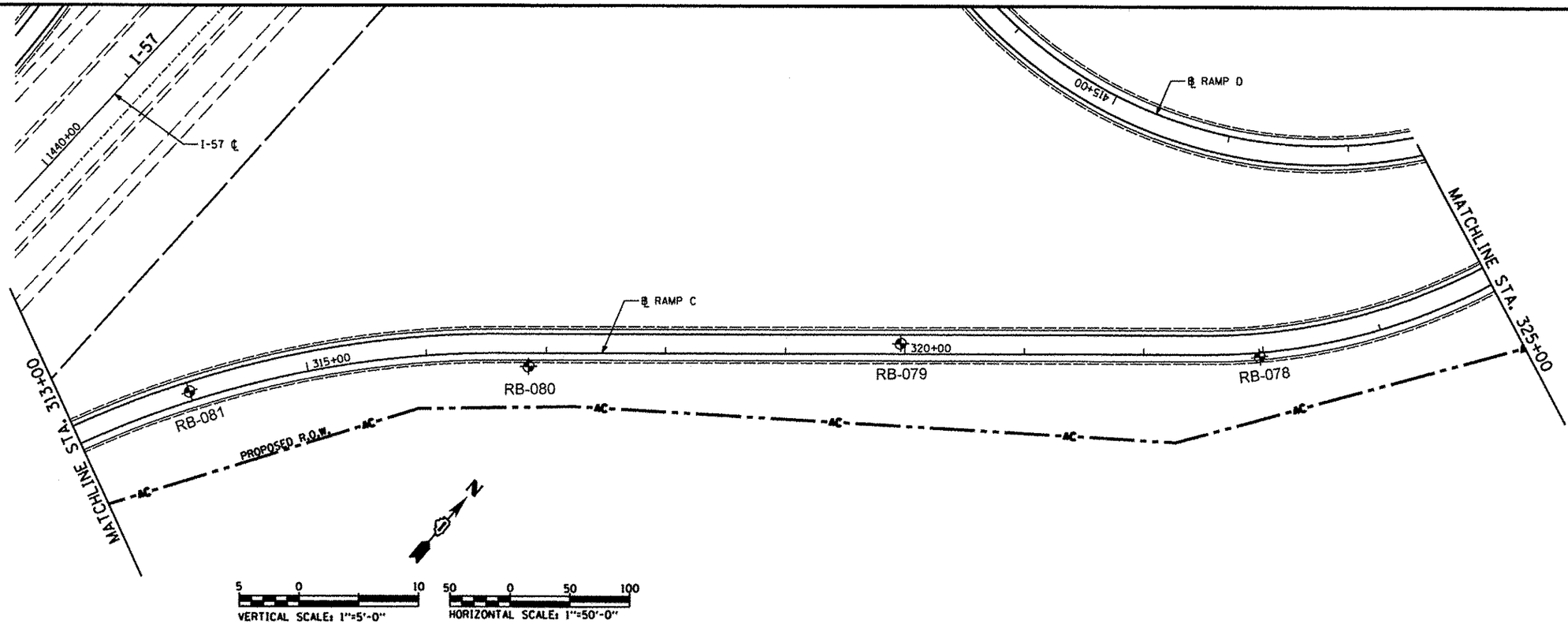
RAMP C
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 1 OF 3 SHEETS | STA. 300+00 TO STA. 313+00

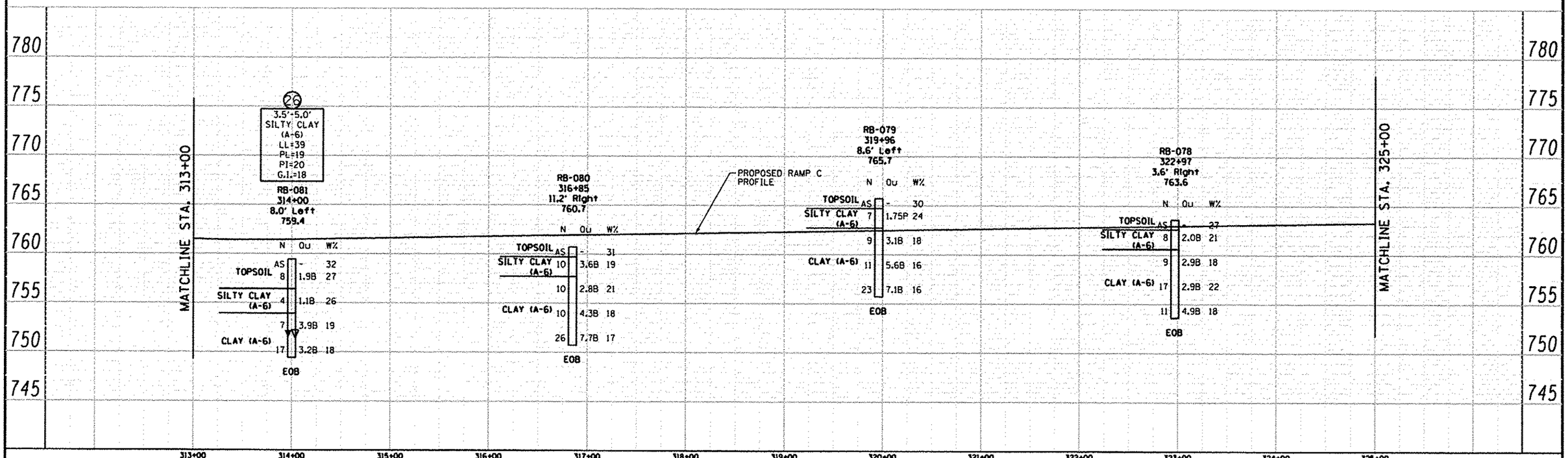
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	630
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
BY
DATE



PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
STRUCTURE
NO.
BY
DATE



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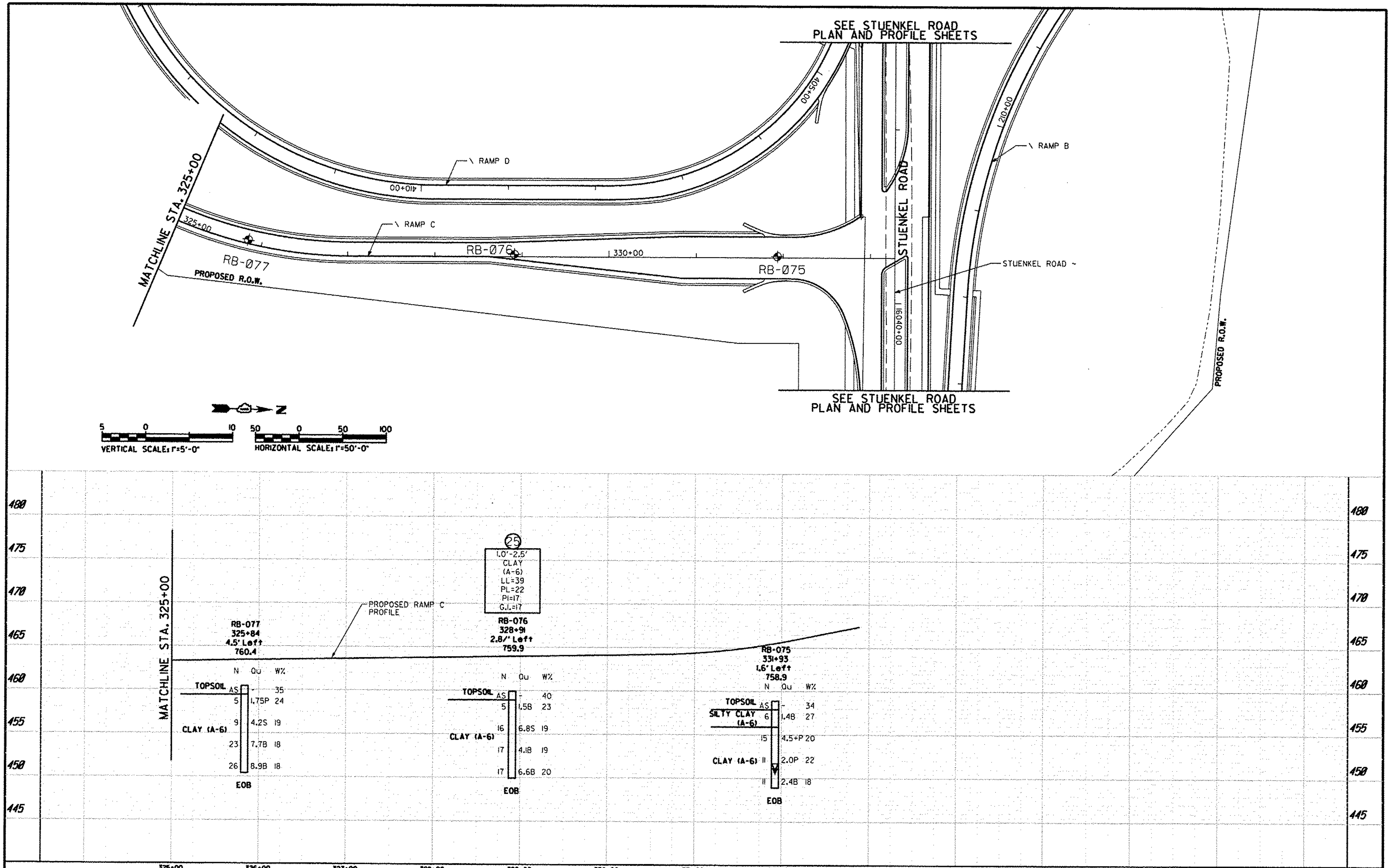
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP C
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 2 OF 3 SHEETS | STA. 313+00 TO STA. 325+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	631
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		


SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS
RAMP D
RAMP C
RAMP B
STUENKEL ROAD
MATCHLINE STA. 325+00
325+00
410+00
405+00
210+00
330+00
16040+00
RB-077
RB-076
RB-075
PROPOSED R.O.W.
STUENKEL ROAD ~
SEE STUENKEL ROAD
PLAN AND PROFILE SHEETS
VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=50'-0"
PROPOSED RAMP C PROFILE
RB-077
325+84
4.5' Left
760.4
N Qu W%
TOPSOIL AS - 35
5 1.75P 24
9 4.2S 19
CLAY (A-6)
23 7.7B 18
26 8.9B 18
EOB
25
1.0'-2.5'
CLAY
(A-6)
LL=39
PL=22
PI=17
G.I.=17
RB-076
328+91
2.8' Left
759.9
N Qu W%
TOPSOIL AS - 40
5 1.5B 23
16 6.8S 19
CLAY (A-6)
17 4.1B 19
17 6.6B 20
EOB
RB-075
331+93
1.6' Left
758.9
N Qu W%
TOPSOIL AS - 34
SILTY CLAY (A-6) 6 1.4B 27
15 4.5+P 20
CLAY (A-6) 11 2.0P 22
11 2.4B 18
EOB
480
475
470
465
460
455
450
445
325+00
326+00
327+00
328+00
329+00
330+00
331+00
332+00
333+00

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Amherst Court, Suite 204 Naperville, Illinois 60565 (630) 355-2838	USER NAME =	DESIGNED - RWC	REVISED -
		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP C
SOIL BORING PLAN AND PROFILE

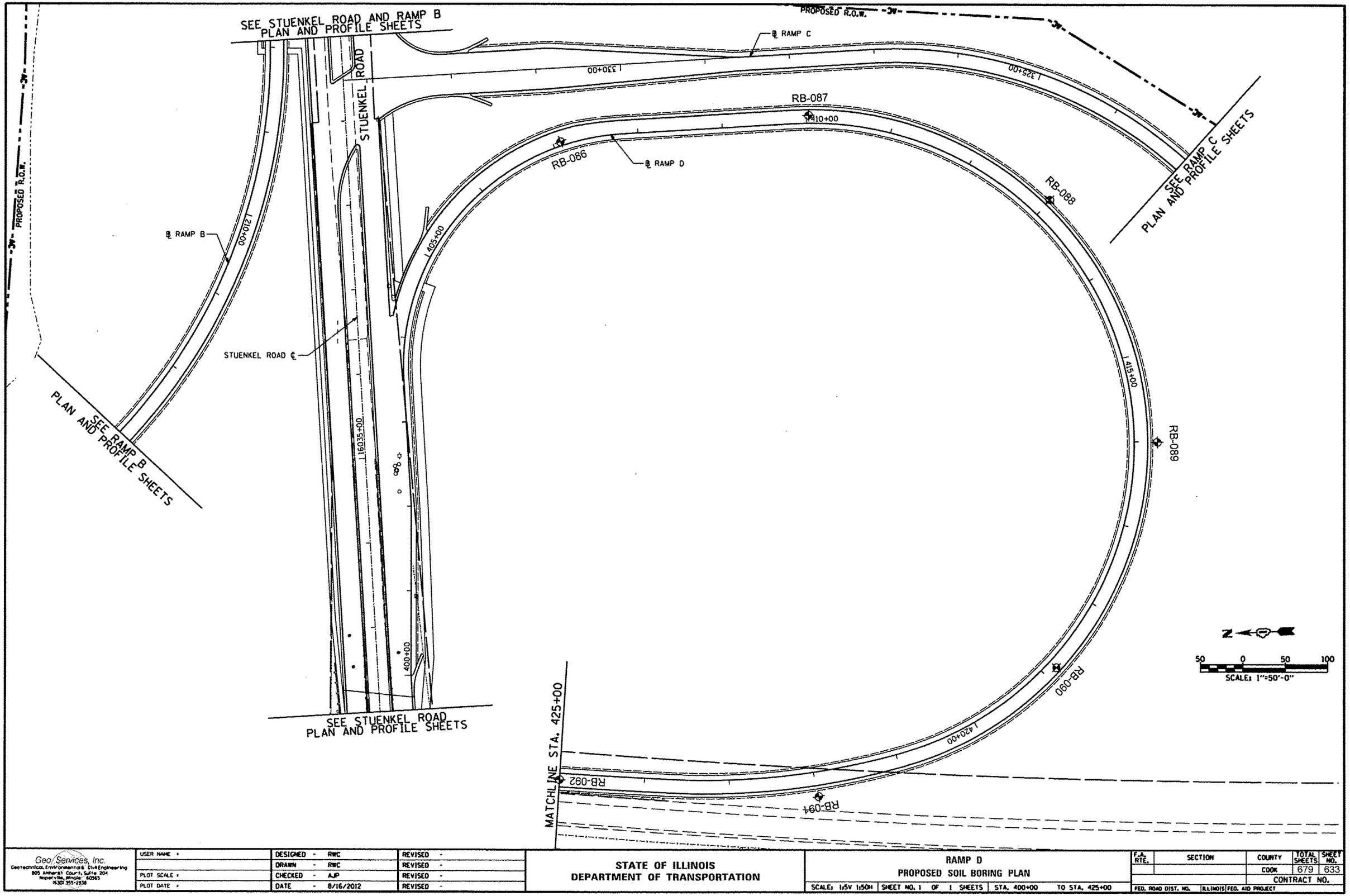
SCALE: 1:5V 1:50H | SHEET NO. 3 OF 3 SHEETS | STA. 325+000 STA. 333+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	632
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE



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	DRAWN - RWC	REVISED -	
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

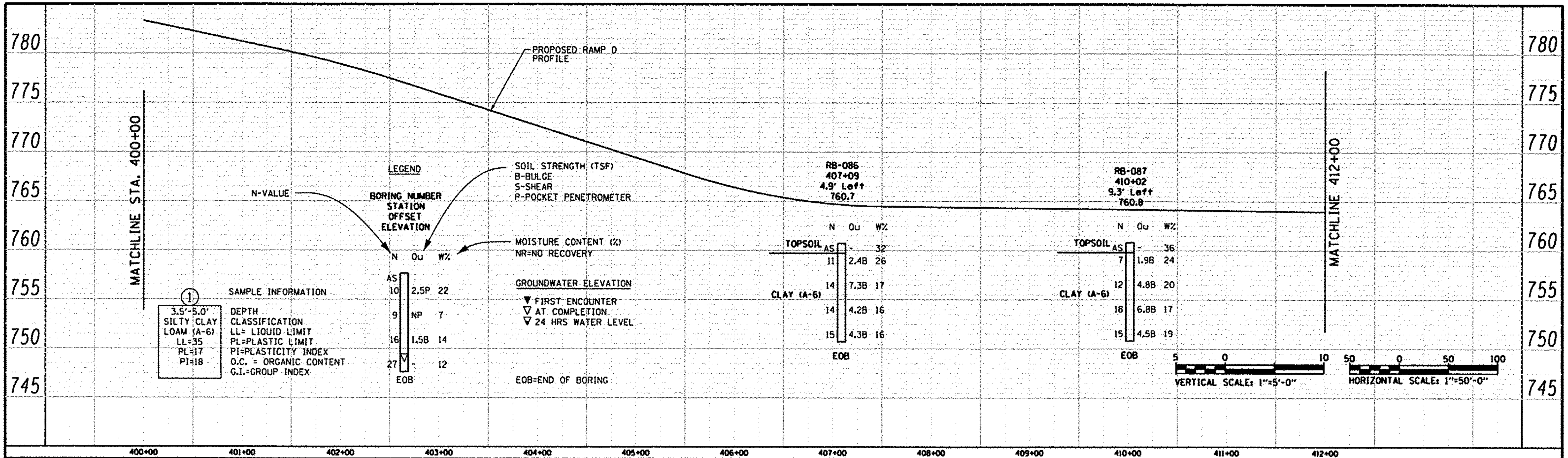
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

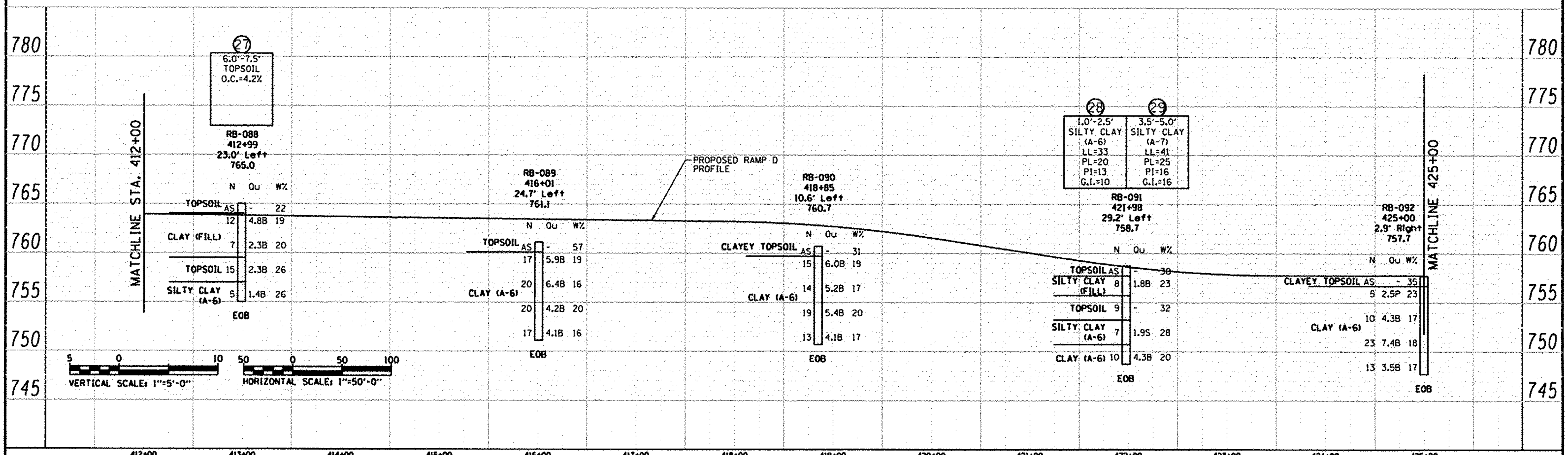
RAMP D
PROPOSED SOIL BORING PLAN

SCALE: 1:5V 1:50H | SHEET NO. 1 OF 1 SHEETS | STA. 400+00 TO STA. 425+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	633
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT





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	DRAWN - RWC	REVISED -	
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

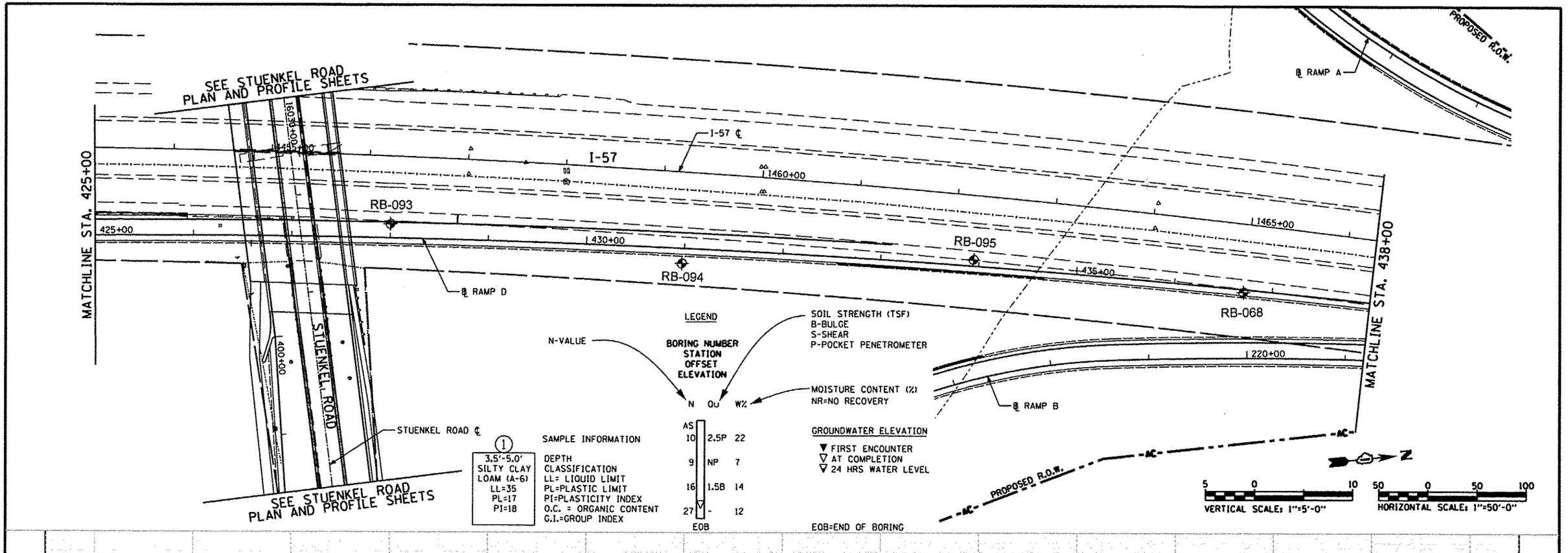
RAMP D
SOIL BORING PROFILE

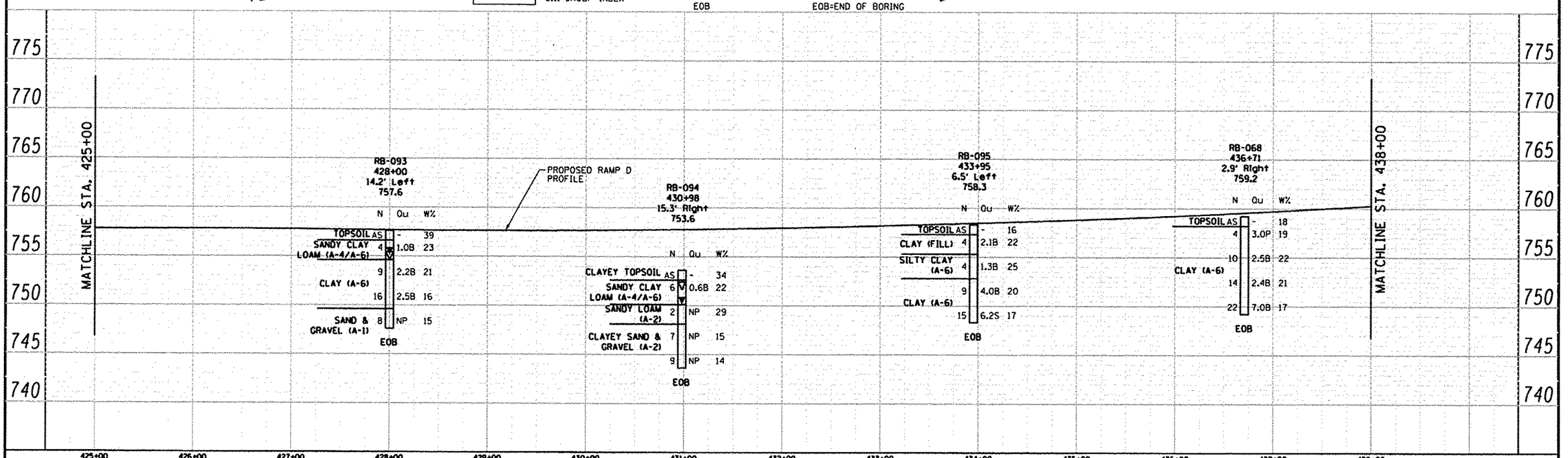
SCALE: 1:5V 1:50H | SHEET NO. 1 OF 1 SHEETS | STA. 400+00 TO STA. 425+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	634

CONTRACT NO.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT





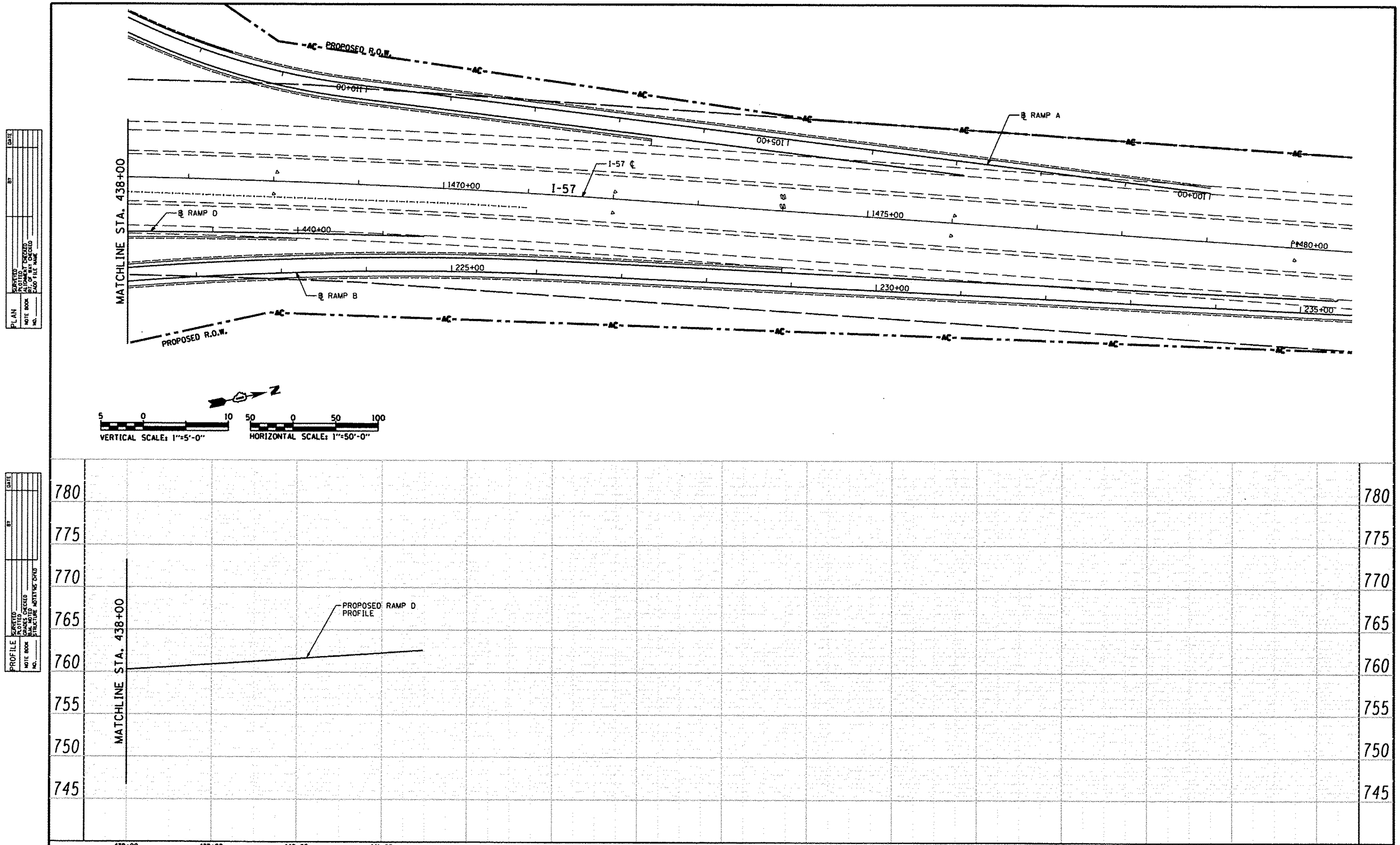
Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 605 Amherst Court, Suite 204 Hoppersville, Illinois 60565 (630) 355-2836	USER NAME =	DESIGNED - RWC	REVISED -
		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP D
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 1 OF 2 SHEETS | STA. 425+00 TO STA. 438+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	635
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DRAWN - RWC	REVISED -
	PLOT SCALE =	CHECKED - AJP	REVISED -
	PLOT DATE =	DATE - 8/16/2012	REVISED -

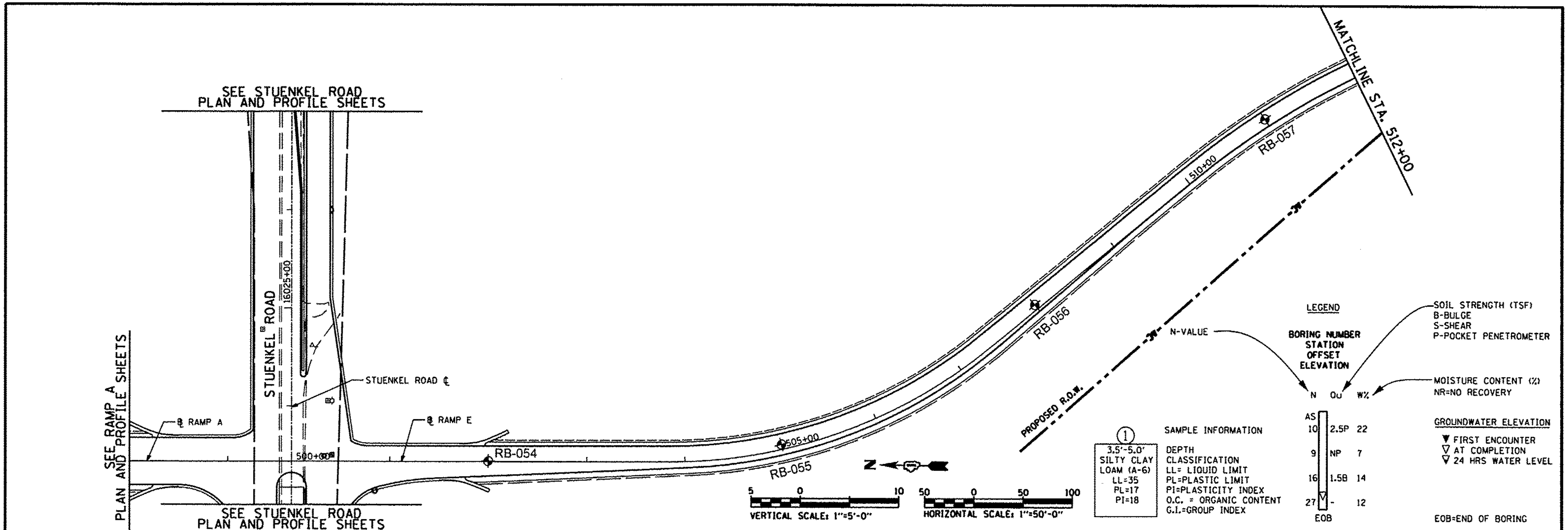
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP D
SOIL BORING PLAN AND PROFILE

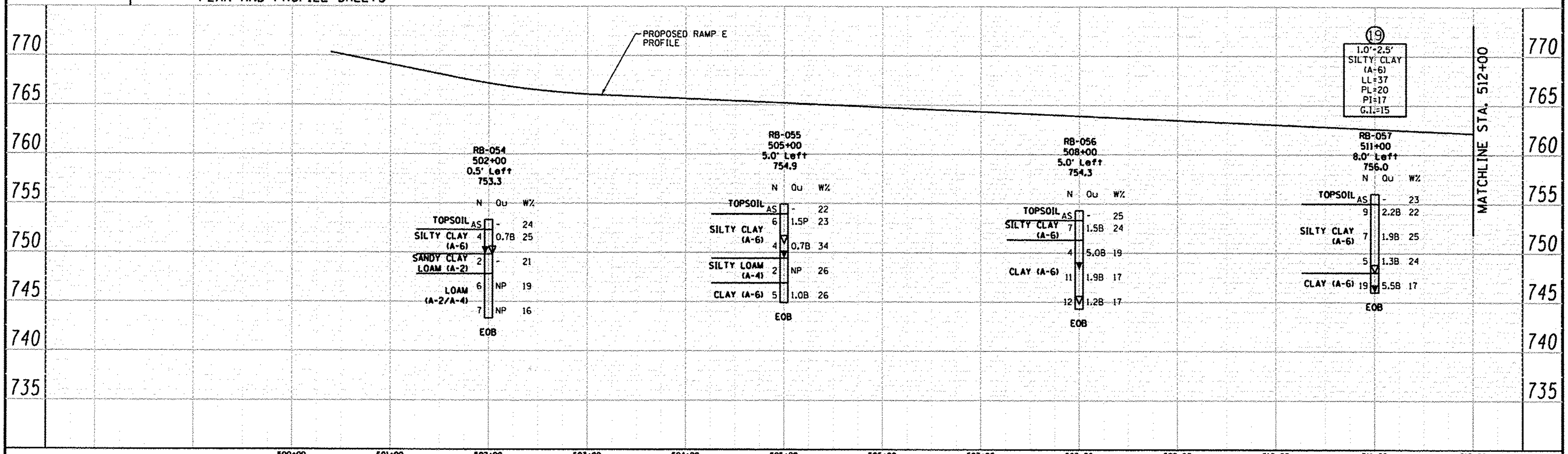
SCALE: 1:5V 1:50H | SHEET NO. 2 OF 2 SHEETS | STA. 438+00 TO STA. 441+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	636
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



SEE STUENKEL ROAD PLAN AND PROFILE SHEETS
SEE RAMP A PLAN AND PROFILE SHEETS
STUENKEL ROAD
16025+00
STUENKEL ROAD ℄
℄ RAMP A
℄ RAMP E
500+00
RB-054
RB-055
505+00
RB-056
510+00
RB-057
PROPOSED R.O.W.
MATCHLINE STA. 512+00
VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=50'-0"
LEGEND
BORING NUMBER
STATION
OFFSET
ELEVATION
N-VALUE
SOIL STRENGTH (TSF)
B-BULGE
S-SHEAR
P-POCKET PENETROMETER
MOISTURE CONTENT (%)
NR=NO RECOVERY
N Qu W%
AS
10 2.5P 22
9 NP 7
16 1.5B 14
27 - 12
EOB
SAMPLE INFORMATION
1
3.5'-5.0'
SILTY CLAY LOAM (A-6)
LL=35
PL=17
PI=18
DEPTH
CLASSIFICATION
LL= LIQUID LIMIT
PL=PLASTIC LIMIT
PI=PLASTICITY INDEX
O.C. = ORGANIC CONTENT
G.I.=GROUP INDEX
GROUNDWATER ELEVATION
FIRST ENCOUNTER
AT COMPLETION
24 HRS WATER LEVEL
EOB=END OF BORING



770
765
760
755
750
745
740
735
PROPOSED RAMP E PROFILE
RB-054
502+00
0.5' Left
753.3
N Qu W%
TOPSOIL AS - 24
SILTY CLAY (A-6) 4 0.7B 25
SANDY CLAY LOAM (A-2) 2 - 21
LOAM (A-2/A-4) 6 NP 19
7 NP 16
EOB
RB-055
505+00
5.0' Left
754.9
N Qu W%
TOPSOIL AS - 22
SILTY CLAY (A-6) 6 1.5P 23
4 0.7B 34
SILTY LOAM (A-4) 2 NP 26
CLAY (A-6) 5 1.0B 26
EOB
RB-056
508+00
5.0' Left
754.3
N Qu W%
TOPSOIL AS - 25
SILTY CLAY (A-6) 7 1.5B 24
4 5.0B 19
CLAY (A-6) 11 1.9B 17
12 1.2B 17
EOB
19
1.0'-2.5'
SILTY CLAY (A-6)
LL=37
PL=20
PI=17
G.I.=15
RB-057
511+00
8.0' Left
756.0
N Qu W%
TOPSOIL AS - 23
SILTY CLAY (A-6) 9 2.2B 22
7 1.9B 25
5 1.3B 24
CLAY (A-6) 19 5.5B 17
EOB
MATCHLINE STA. 512+00
500+00
501+00
502+00
503+00
504+00
505+00
506+00
507+00
508+00
509+00
510+00
511+00
512+00

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	DRAWN - RWC	REVISED -	
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP E
SOIL BORING PLAN AND PROFILE

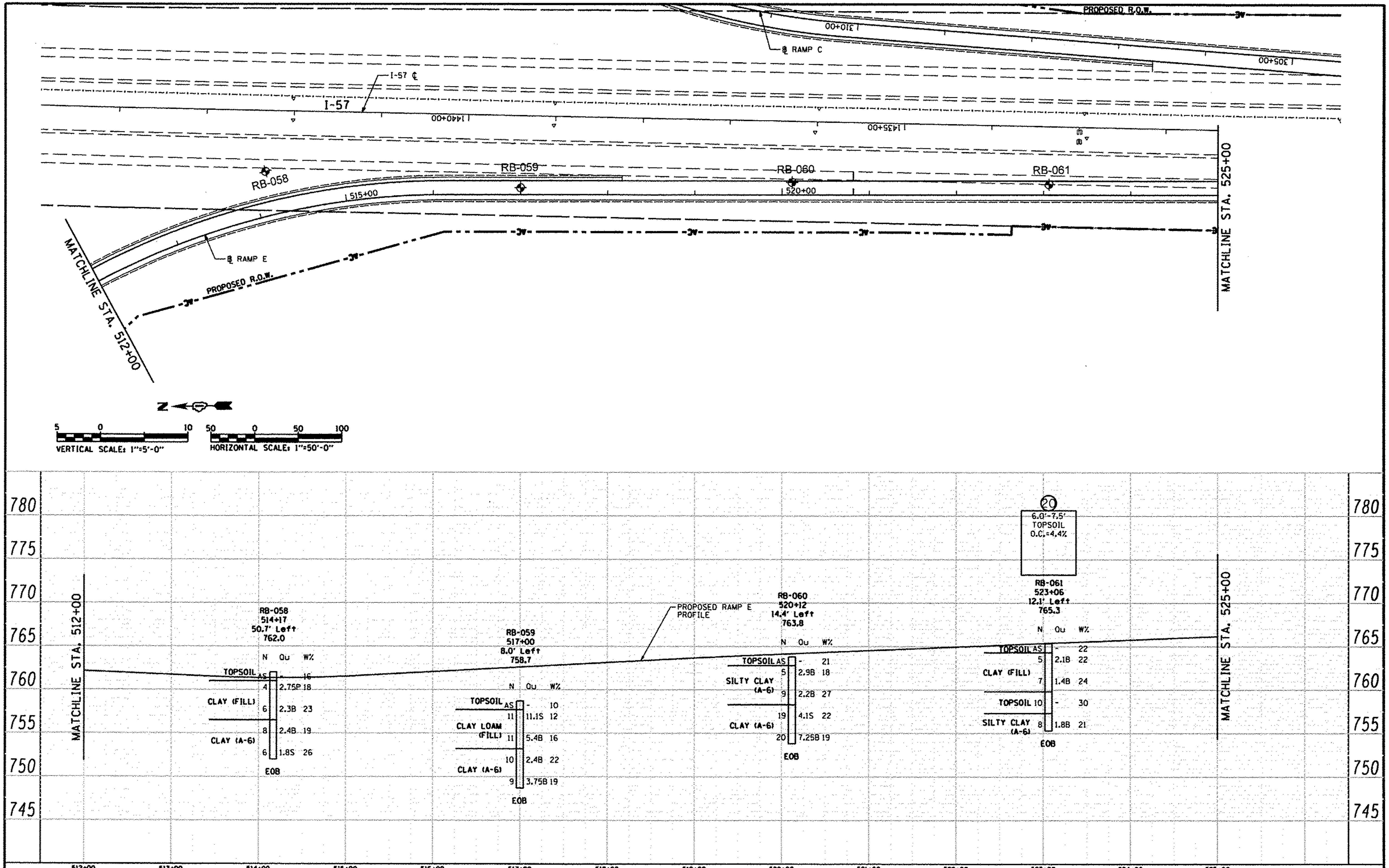
SCALE: 1:5V 1:50H | SHEET NO. 1 OF 3 SHEETS | STA. 500+00 TO STA. 512+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	637
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHECKED / NOTE BOOK NO. / BY / DATE



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	DRAWN - RWC	REVISED -
PLOT SCALE =	CHECKED - AJP	REVISED -
PLOT DATE =	DATE - 8/16/2012	REVISED -

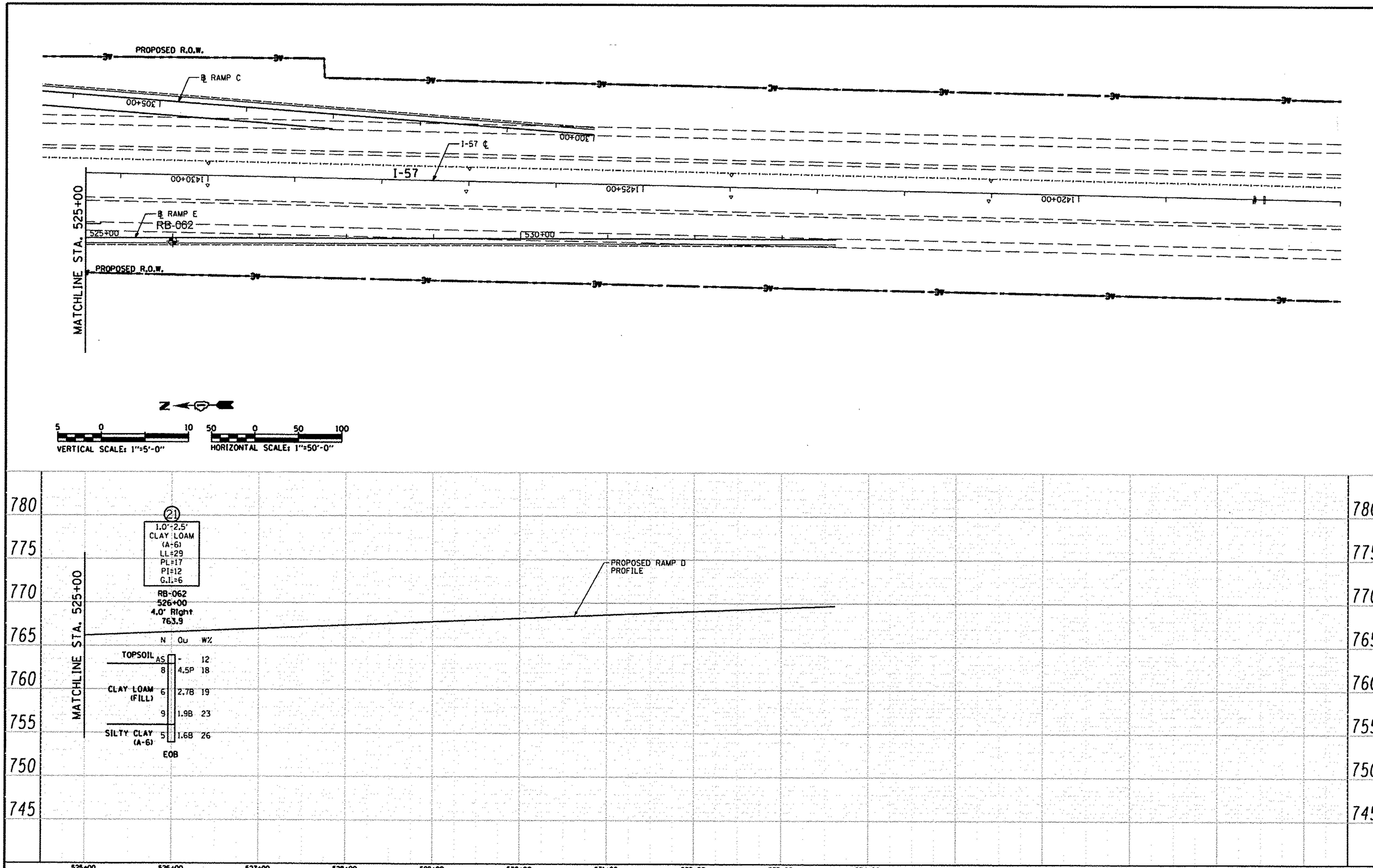
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP E
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 2 OF 3 SHEETS | STA. 512+00 TO STA. 525+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	638
		CONTRACT NO.		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



PROPOSED R.O.W.
℄ RAMP C
1305+00
1300+00
I-57 ℄
I-57
1430+00
1425+00
1420+00
℄ RAMP E
RB-062
525+00
530+00
PROPOSED R.O.W.
MATCHLINE STA. 525+00
VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=50'-0"
780
775
770
765
760
755
750
745
21
1.0'-2.5'
CLAY LOAM
(A-6)
LL=29
PL=17
PI=12
G.I.=6
RB-062
526+00
4.0' Right
763.9
N Qu W%
TOPSOIL AS - 12
8 4.5P 18
CLAY LOAM (FILL) 6 2.7B 19
9 1.9B 23
SILTY CLAY (A-6) 5 1.6B 26
EOB
PROPOSED RAMP D PROFILE
525+00
526+00
527+00
528+00
529+00
530+00
531+00
532+00
533+00
534+00

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USER NAME =	DESIGNED - RWC	REVISED -	
	DRAWN - RWC	REVISED -	
PLOT SCALE =	CHECKED - AJP	REVISED -	
PLOT DATE =	DATE - 8/16/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP E
SOIL BORING PLAN AND PROFILE

SCALE: 1:5V 1:50H | SHEET NO. 3 OF 3 SHEETS | STA. 525+00 TO STA. 534+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	679	639
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

PAGE 1 of 1
DATE 2/14/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE

STRUCT. NO. –
Station: –
BORING NO. **RB-021**
Station: 16001+28 Stuenkel Road
Offset: 35.2' Left
Ground Surface Elev. *768.9*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	36
		2		*94*
SILTY CLAY–brown & gray– very stiff (A-6)		3		
		3	2.3B	24
		2		
		2		
	-5	3	2.0P	23
CLAY–brown & gray– very stiff to hard (A-6)		3		*114*
		3		
		6	4.2B	18
		6		*107*
		12		
	-10	12	5.5B	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 2/14/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE

STRUCT. NO. –
Station: –
BORING NO. **RB-022**
Station: 16004+46 Stuenkel Road
Offset: 48.8' Right
Ground Surface Elev. *764.1*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *755.6*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14.0" TOPSOIL–black		AS	–	30
		2		*94*
SILTY CLAY–dark brown & gray– stiff (A-6)		3		
		5	1.4B	24
		1		*104*
		1		
	-5	5	0.6B	23
CLAY–brown & gray– medium stiff to hard (A-6)		7		*112*
		12		
		13	8.2B	17
▽		6		*113*
		9		
	-10	13	4.75B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLININTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE =	CHECKED - JF	REVISED -
	PLOT DATE =	DATE - 05/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS

SCALE: N.T.S. | SHEET 1 OF 40 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	640
		CONTRACT NO. 60L69		
	ILLINOIS FED. AID PROJECT			

P:\6026120-57_@_Stuenkel\Road\C_3(Interchange)\C3_Stuenkel_Boring01.dgn

SOIL BORING LOG

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PAGE 1 of 1
DATE 2/14/2012
LOGGED BY RT
GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE

STRUCT. NO. –
Station: –
BORING NO. **RB-023**
Station: 16008+83 Stuenkel Road
Offset: 18.0' Left
Ground Surface Elev. *763.3*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	32
		2		
CLAY–brown & gray–hard (A-6)		4		
		5	1.5P	32
		3		*108*
		4		
	-5	8	3.9B	17
		5		*116*
		8		
		11	6.4B	16
		6		*114*
		8		
	-10	12	7.1B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE

STRUCT. NO. –
Station: –
BORING NO. **RB-024**
Station: 16010+46 Stuenkel Road
Offset: 46.5' Right
Ground Surface Elev. *761.8*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	27
SILTY CLAY–dark brown–stiff (A-6) Wet		4		*90*
		5		
		6	1.9B	27
CLAY–brown & gray–hard (A-6)		6		*118*
		8		
	-5	10	5.0B	16
		8		*113*
		9		
		14	5.4B	16
		6		*113*
		8		
	-10	13	5.0B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-025**
Station: 16013+46 Stuenkel Road
Offset: 34.7' Left
Ground Surface Elev. *760.7*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	29
CLAY–dark brown– stiff (A-7) Wet		2		*96*
		4		
		4	1.9B	26
CLAY to CLAY LOAM–brown & gray– stiff to hard (A-6)		3		*107*
		4		
	-5	5	1.0B	22
		6		*112*
		8		
		10	6.5B	18
		5		*109*
		8		
	-10	9	3.4B	16
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE ____

STRUCT. NO. –
Station: –
BORING NO. **RB-026**
Station: 16017+54 Stuenkel Road
Offset: 27.6' Right
Ground Surface Elev. *758.1*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–dark brown to black		AS	–	36
CLAY LOAM–dark brown– stiff to very stiff (A-6) Fill		2		
		3		
		4	1.5P	14
		4		*100*
		5		
	-5	6	3.1B	19
SILTY CLAY–dark brown & gray– stiff (A-6) Wet		2		*96*
		3		
		4	1.4B	26
CLAY–brown & gray–hard (A-6)		4		
		5		
	-10	7	4.0P	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLININTERNATIONAL	USER NAME	DESIGNED DPS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS	F.A.I. RTE. 57	SECTION 99-1HB-R1	COUNTY WILL	TOTAL SHEETS 679	SHEET NO. 642
	PLOT SCALE	DRAWN DPS	REVISED		SCALE: N.T.S. SHEET 3 OF 40 SHEETS STA. TO STA.			CONTRACT NO. 60L69		
	PLOT DATE	CHECKED JF	REVISED					ILLINOIS FED. AID PROJECT		
		DATE 05/10/2013	REVISED							

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ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-027**
Station: 16020+42 Stuenkel Road
Offset: 30.0' Left
Ground Surface Elev. 756.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 752.0
Upon Completion 751.0
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	34				
	2						
	4						
	4	1.25P	33				
	2		*96*				
CLAY to CLAY LOAM–brown & gray–stiff to very stiff (A–6)	3						
–5	3	1.1B	28	–25			
	1		*103*				
	2						
	4	3.25B	21				
SILTY CLAY LOAM–brown & gray–loose (A–4/A–6)	4		*108*				
	4						
–10	4	1.4B	21	–30			
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-028**
Station: 16022+50 Stuenkel Road
Offset: 29.6' Right
Ground Surface Elev. 756.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 747.8
Upon Completion 748.3
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	31				
	3		*108*				
CLAY LOAM–brown & gray–stiff (A–6) Fill	3						
	4	1.3B	19				
	3		*93*				
	5						
SILTY CLAY–brown & gray–medium stiff to very stiff (A–6) Wet –5	6	2.1B	27	–25			
	2		*94*				
	3						
	4	0.9B	27				
SAND & GRAVEL–gray–loose (A–1)	3						
	3						
–10	3	NP	17	–30			
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-029**
Station: 16025+50 Stuenkel Road
Offset: 52.3' Left
Ground Surface Elev. 755.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.3
Upon Completion 751.3
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	22
	3		*99*
	4		
	4	0.6B	23
	2		*84*
	2		
–5	2	0.5B	27
	2		
	3		
	4	NP	15
	3		
	3		
–10	4	NP	19
–15			
–20			
–25			
–30			
–35			
–40			

TOPSOIL–black

CLAY–brown & gray–medium stiff (A–6) Fill

Clayey SAND & GRAVEL–brown & gray–loose (A–2)

End Of Boring @ –10.0'
Hollow Stem Augers
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-030**
Station: 16028+64 Stuenkel Road
Offset: 13.5' Right
Ground Surface Elev. 775.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	33
	1		
	1		
	3	1.5P	23
	2		*108*
	2		
–5	3	0.5B	22
	5		*117*
	8		
	9	5.3B	16
	3		*120*
	4		
–10	5	2.0B	15
–15			
–20			
–25			
–30			
–35			
–40			

TOPSOIL–black

SILTY CLAY–brown & gray–stiff (A–6)

SANDY CLAY LOAM–brown & gray–loose (A–2/A–6) Possible Fill

CLAY–brown & gray–hard (A–6)

CLAY–gray–very stiff (A–6)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME	DESIGNED DPS	REVISED
		DRAWN DPS	REVISED
	PLOT SCALE	CHECKED JF	REVISED
	PLOT DATE	DATE 05/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS
SCALE: N.T.S. SHEET 5 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	644
		CONTRACT NO. 60L69		
	ILLINOIS FED. AID PROJECT			

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-031**
Station: 16034+50 Stuenkel Road
Offset: 35.3' Left
Ground Surface Elev. 760.0

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *754.0* ▼
Upon Completion *753.0* ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	40
CLAY LOAM–dark brown & black–very stiff (A-6) Fill		2		
		4		
		4	2.0P	19
SANDY CLAY LOAM–brown–very loose (A-2) Apparent Fill		1		
		2		
	-5	2	NP	24
CLAY LOAM–brown & gray–stiff (A-6) Possible Fill		1		*104*
		2		
		3	1.0B	21
		3		*115*
		5		
	-10	6	1.8B	17
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-032**
Station: 16037+50 Stuenkel Road
Offset: 16.2' Right
Ground Surface Elev. 758.0

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *752.0* ▼
Upon Completion *750.0* ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL (Fill)		AS	–	4
SILTY CLAY–brown & gray–very stiff (A-6)		8		*98*
		5		
		5	2.7B	21
SANDY CLAY LOAM–brown & gray–medium stiff (A-6)		2		*104*
		3		
	-5	3	0.6B	21
CLAY–gray–hard (A-6)		6		*103*
		8		
		12	6.5B	21
		6		*110*
		9		
	-10	10	6.5B	20
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-033**
Station: 16040+46 Stuenkel Road
Offset: 33.9' Left
Ground Surface Elev. 757.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.0 ▼
Upon Completion 754.0 ▽
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-black		AS	–	47
		3		
		4		
		4	1.25P	27
▽				
SILTY CLAY-dark brown-medium stiff to stiff (A-6) Wet		3		*96*
		3		
	-5	3	0.9B	25
▼				
Silty SAND & GRAVEL-brown-loose (A-2)		2		
		3		
		3	NP	19
CLAY LOAM-gray-stiff (A-6)		3		*114*
		5		
	-10	8	1.0B	18
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-034**
Station: 16043+73 Stuenkel Road
Offset: 8.1' Right
Ground Surface Elev. 757.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.3 ▼
Upon Completion 753.3 ▽
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND & GRAVEL (Fill)		AS	–	10
		3		
TOPSOIL-black		6		
		8	4.0P	25
▽		2		*101*
		2		
SILTY CLAY-brown & gray-soft to medium stiff (A-6)	-5	3	0.6B	21
▼				
		3		*91*
		4		
		5	0.3B	31
CLAY-brown & gray-hard (A-6)		6		*113*
		11		
	-10	16	6.4B	18
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DPS	REVISED -
PLOT SCALE =	DRAWN - DPS	REVISED -
PLOT DATE =	CHECKED - JF	REVISED -
	DATE - 05/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS

SCALE: N.T.S. SHEET 7 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	646

CONTRACT NO. 60L69
ILLINOIS FED. AID PROJECT

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SOIL BORING LOG

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GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-035**
Station: 16046+61 Stuenkel Road
Offset: 26.7' Left
Ground Surface Elev. 756.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.2
Upon Completion 751.7
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	28
	3		
	5		
	5	–	17
TOPSOIL–black			
	2		99
	3		
–5	3	0.7B	26
CLAY–brown & gray–medium stiff (A–6) Wet			
	2		84
	3		
	3	0.9B	31
SILTY CLAY–gray–medium stiff (A–6/A–7) Wet			
	2		
	2		
–10	2	0.5P	36
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-036**
Station: 16049+60 Stuenkel Road
Offset: 20.4' Right
Ground Surface Elev. 758.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.1
Upon Completion 753.1
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	20
	2		
	3		
	3	–	36
TOPSOIL–black			
	2		83
	1		
–5	2	0.25B	33
SILTY CLAY–dark gray to black–soft (A–6/A–7) Wet			
	3		111
	4		
	7	3.6B	19
CLAY–brown & gray–very stiff to hard (A–6)			
	4		116
	6		
–10	12	5.0B	17
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL

USER NAME		DESIGNED DPS	REVISED
PLOT SCALE		DRAWN DPS	REVISED
PLOT DATE		CHECKED JF	REVISED
		DATE 05/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS
SCALE: N.T.S. SHEET 8 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	647
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-037**
Station: 16052+51 Stuenkel Road
Offset: 22.2 Left
Ground Surface Elev. 759.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	30
		2		
		2		
		2	1.5P	36
SILTY CLAY–brown & gray–very stiff (A-6) Wet		2		*101*
		3		
	-5	5	2.4B	25
CLAY–brown & gray–hard (A-6)		6		*116*
		8		
		10	6.8B	16
		5		
		7		
	-10	9	4.5+P	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-038**
Station: 16055+48 Stuenkel Road
Offset: 54.5' Right
Ground Surface Elev. 762.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	31
		2		
		3		
		5	1.5P	24
CLAY–brown & gray–very stiff to hard (A-6)		5		*108*
		6		
	-5	9	3.7B	20
		5		*109*
		7		
		13	8.0B	19
		5		
		8		
	-10	10	4.5+P	19
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLININTERNATIONAL

USER NAME =	DESIGNED - DPS	REVISED -
PLOT SCALE =	DRAWN - DPS	REVISED -
PLOT DATE =	CHECKED - JF	REVISED -
	DATE - 05/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS

SCALE: N.T.S. | SHEET 9 OF 40 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-RI	WILL	679	648

CONTRACT NO. 60L69
ILLINOIS FED. AID PROJECT

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-039**
Station: 16058+49 Stuenkel Road
Offset: 27.5' Left
Ground Surface Elev. *761.8*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
0	AS	–	23
	2		*102*
	3		
	4	2.3B	22
	3		*104*
–5	4		
	6	3.8B	20
	3		*107*
	5		
	7	2.6B	19
	4		*109*
	5		
–10	9	5.7B	18
–15			
–20			
–25			
–30			
–35			
–40			

TOPSOIL–black

CLAY–brown & gray–
very stiff (A–6) Fill

CLAY–brown & gray–
very stiff (A–6)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-040**
Station: 16061+28 Stuenkel Road
Offset: 44.3' Right
Ground Surface Elev. *762.2*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *758.2*
Upon Completion *759.2*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
0	AS	–	22
	1		*96*
	3		
	2	1.8B	25
	1		*106*
–5	3		
	3	3.2B	21
	5		*109*
	8		
	12	4.6B	20
	6		*111*
	11		
–10	13	3.3B	18
–15			
–20			
–25			
–30			
–35			
–40			

TOPSOIL–black

SILTY CLAY–dark brown–
stiff (A–6) Wet

CLAY–brown & gray–
very stiff to hard (A–6)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME –	DESIGNED – DPS	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE –	DRAWN – DPS	REVISED –		SCALE: N.T.S. SHEET 10 OF 40 SHEETS STA. TO STA.
	PLOT DATE –	CHECKED – JF	REVISED –		
		DATE – 05/10/2013	REVISED –		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	649
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-041**
Station: 16064+39 Stuenkel Road
Offset: 38.1' Left
Ground Surface Elev. 764.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	32
	3		
	6		
	7	2.5P	21
	2		*97*
	4		
–5	5	1.7B	23
	2		*96*
	3		
	4	2.7B	26
	2		*101*
	3		
–10	5	2.3B	23
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

TOPSOIL–black

SILTY CLAY–dark brown–stiff to very stiff (A–6)

CLAY–brown & gray–very stiff (A–6)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-042**
Station: 16067+30 Stuenkel Road
Offset: 39.5' Right
Ground Surface Elev. 762.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 757.1
Upon Completion 758.6
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	20
	2		*99*
	2		
	2	1.9B	22
	1		
	2		
–5	1	0.5P	27
	2		
	4		
	6	1.75P	21
	3		
	4		
–10	6	NP	16
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

TOPSOIL–black

SILTY CLAY–dark brown–stiff (A–6)

SANDY CLAY–brown & gray–medium stiff to stiff (A–6)

SILTY LOAM–gray–medium dense (A–4)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME	DESIGNED DPS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE	DRAWN DPS	REVISED		SCALE: N.T.S. SHEET 11 OF 40 SHEETS STA. TO STA.
	PLOT DATE	CHECKED JF	REVISED		
		DATE 05/10/2013	REVISED		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	650
		CONTRACT NO. 60L69		
	ILLINOIS FED. AID PROJECT			

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. -
Station: -
BORING NO. **RB-043**
Station: 16070+32 Stuenkel Road
Offset: 35.6' Left
Ground Surface Elev. 766.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 758.2
Upon Completion 758.2
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL—black		AS	–	31
SILTY CLAY—dark brown & black—hard (A-6). Fill		3		
		3		
		4	3.0P	21
TOPSOIL—black		4		
		5		
	-5	6	2.0P	37
CLAY—brown & gray—stiff (A-6)		3		*99*
		4		
		5	1.8B	23
		2		*103*
		3		
	-10	5	1.0B	23
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

Depth scale (second column set): -25, -30, -35, -40

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. -
Station: -
BORING NO. **RB-044**
Station: 16073+31 Stuenkel Road
Offset: 43.2' Right
Ground Surface Elev. 765.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 760.3
Upon Completion 760.8
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL—black		AS	–	25
SILTY CLAY—brown & gray—medium stiff to stiff (A-6)		2		*103*
		2		
		3	1.9B	21
		1		*94*
		1	0.75@	
	-5	1	11.3%	30
SANDY LOAM—brown—very loose (A-2)		2		
		1		
		3	NP	25
Clayey SAND & GRAVEL—gray—loose (A-2)		3		
		4		
	-10	4	–	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

Depth scale (second column set): -25, -30, -35, -40

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLININTERNATIONAL

USER NAME	DESIGNED - DPS	REVISED -
PLOT SCALE	DRAWN - DPS	REVISED -
PLOT DATE	CHECKED - JF	REVISED -
	DATE - 05/10/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS
SCALE: N.T.S. SHEET 12 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	651

CONTRACT NO. 60L69
ILLINOIS FED. AID PROJECT

SOIL BORING LOG

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DATE 4/6/2012
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GSI JOB No. 10196

ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-045**
Station: 103+13 Ramp A
Offset: 4.6' Left
Ground Surface Elev. 765.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	21
CLAY–brown & gray–stiff to hard (A-6)		2		*94*
		2		
		4	1.5B	26
		4		*104*
		5		
	-5	6	3.2B	21
		5		*112*
		7		
		11	6.1B	17
		6		*111*
		9	6.2S@	
	-10	10	12.7%	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
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Naperville, Illinois 60565
(630) 355-2838

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-046**
Station: 106+05 Ramp A
Offset: 19.1' Left
Ground Surface Elev. 763.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ___ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	20
CLAY–brown & gray–stiff to hard (A-6)		4		*116*
		4	6.0S@	
		5	14.1%	15
		2		*110*
		2		
	-5	2	1.8B	18
		3		
		3		
		3	1.75P	19
		5		*109*
		7		
	-10	10	5.4B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 | DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –

BORING NO. **RB-047**
Station: 109+08 Ramp A
Offset: 11.0' Left
Ground Surface Elev. 759.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	31
SILTY CLAY–brown– very stiff (A-6) Wet		2		*96*
		4		
		4	2.2B	25
CLAY–brown & gray– very stiff to hard (A-6)		1		*104*
		2		
	-5	3	3.4B	19
		4		*108*
		8	4.9S@	
		9	14.1%	18
		6		
		9		
	-10	9	2.5P	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 | DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –

BORING NO. **RB-048**
Station: 111+99 Ramp A
Offset: 74.1' Left
Ground Surface Elev. 757.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 752.1
Upon Completion 749.6
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	27
SILTY CLAY–brown & gray– very stiff (A-6) Wet		1		*92*
		2		
		3	1.4B	27
SANDY CLAY LOAM–brown & gray– medium stiff (A-4/A-6)		2		*99*
		1		
	-5	2	0.5B	23
CLAY–brown–hard (A-6)		3		*109*
		7		
		9	6.5B	18
		5		*111*
		8		
	-10	10	3.25B	19
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-049**
Station: 115+00 Ramp A
Offset: 8.0' Left
Ground Surface Elev. 753.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	25
	2		*91*
	2		
	3	1.1B	22
CLAY–brown & gray–stiff to hard (A–6)	3		*114*
	4		
–5	4	2.7B	17
	3		*118*
	5		
	8	6.5B	16
CLAY–gray–very stiff (A–6)	5		
	5		
–10	7	2.0P	16
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-050**
Station: 118+08 Ramp A
Offset: 19.1' Left
Ground Surface Elev. 757.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	23
	2		*111*
	4		
	7	3.6B	18
	5		*113*
	6		
CLAY–brown & gray–very stiff to hard (A–6)	9	5.6B	17
–5			
	6		*114*
	9		
	10	5.2B	17
	4		*110*
	6		
–10	8	2.4B	18
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE =	DRAWN - DPS	REVISED -		SCALE: N.T.S. | SHEET 15 OF 40 SHEETS | STA. TO STA.
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE - 05/10/2013	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	654
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

P:\60420120 57 @ StuenkelRoadIC (Interchange)\C3 Stuenkel Boring Logs

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-051**
Station: 121+00 Ramp A
Offset: 8.0' Left
Ground Surface Elev. *760.7*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	22
	1		
	3		
	3	2.75P	20
	4		*116*
CLAY–brown & gray–	6		
very stiff to hard (A–6) –5	8	3.9B	14
	5		*114*
	8		
	9	4.4B	17
	5		*114*
	10		
–10	11	3.2B	16
End Of Boring @ –10.0'			
Hollow Stem Augers			
Diedrich Automatic Hammer			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-052**
Station: 124+13 Ramp A
Offset: 14.4' Left
Ground Surface Elev. *757.4*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *752.4*
Upon Completion *753.9*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	37
	1		*89*
	2		
SILTY CLAY LOAM–brown & gray–	4	0.7B	27
medium stiff (A–7) Wet ▽			
	1		*114*
	2		
▼ –5	4	2.7B	16
	6		*114*
CLAY–brown & gray–	10		
very stiff to hard (A–6)	11	4.6B	18
	4		*113*
	8		
–10	13	4.0B	18
End Of Boring @ –10.0'			
Hollow Stem Augers			
Diedrich Automatic Hammer			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-053**
Station: 127+00 Ramp A
Offset: 2.5' Left
Ground Surface Elev. 755.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 750.2
Upon Completion 754.0
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	34				
	1						
	2						
	3	1.0P	29				
SANDY CLAY LOAM–dark brown & gray–very loose (A–2) Apparent Fill	1						
	2						
–5	2	–	24	–25			
CLAY–brown & gray–very stiff (A–6)	2		*113*				
	4						
	6	3.3B	18				
CLAY–gray–medium stiff (A–6)	2		*115*				
	3						
–10	5	0.9B	17	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-054**
Station: 502+00 Ramp E
Offset: 0.5' Left
Ground Surface Elev. 753.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 749.8
Upon Completion 749.8
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	24				
	1		*91*				
SILTY CLAY–dark brown, gray & black–medium stiff (A–6) Wet	2						
	2	0.7B	25				
	1						
SANDY CLAY LOAM–gray–very loose (A–2) Possible Fill	1						
–5	1	–	21	–25			
	2						
	2						
LOAM–gray–loose (A–2/A–4)	4	NP	19				
	2						
	3						
–10	4	NP	16	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE =	DRAWN - DPS	REVISED -		SCALE: N.T.S. SHEET 17 OF 40 SHEETS STA. TO STA.
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE 05/10/2013	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	656
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

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DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –

BORING NO. **RB-055**
Station: 505+00 Ramp E
Offset: 5.0' Left
Ground Surface Elev. 754.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 749.4 ▼
Upon Completion 750.9 ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL—black		AS	–	22
SILTY CLAY—dark brown, gray & black—medium stiff to stiff (A-6) Wet		1		
		2		
		4	1.5P	23
▽		1		*80*
		2		
▼	-5	2	0.7B	34
SILTY LOAM—brown & gray—very loose (A-4)		1		
		1		
		1	NP	26
CLAY—gray—stiff (A-6)		2		*100*
		2		
	-10	3	1.0B	26
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –

BORING NO. **RB-056**
Station: 508+00 Ramp E
Offset: 5.0' Left
Ground Surface Elev. 754.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 748.3 ▼
Upon Completion 744.8 ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL—black		AS	–	25
SILTY CLAY—dark brown & gray—stiff (A-6)		3		*98*
		3		
		4	1.5B	24
CLAY—brown & gray—stiff to hard (A-6)		3		*110*
		4		
	-5	4	5.0B	19
▼		4		*116*
		5		
		6	1.9B	17
CLAY—gray—stiff (A-6)		3		*113*
▽		5		
	-10	7	1.2B	17
End Of Boring @ -10.0' Hollow Stem Augers CME Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-057**
Station: 511+00 Ramp E
Offset: 8.0' Left
Ground Surface Elev. 756.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 746.0
Upon Completion 748.0
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	23
	3		*102*
	4		
	5	2.2B	22
SILTY CLAY–dark brown, gray & black–stiff to very stiff (A-6)			
	2		*101*
	3		
–5	4	1.9B	25
	2		*100*
	2		
	3	1.3B	24
CLAY–gray–hard (A-6)	6		*116*
	8		
–10	11	5.5B	17
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-058**
Station: 514+17 Ramp E
Offset: 50.7' Left
Ground Surface Elev. 762.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL with Stone–black (Fill)	AS	–	16
	2		
	2		
	2	2.75P	18
CLAY–dark brown, gray & black–very stiff (A-6) Fill			
	3		*100*
	4		
–5	6	2.3B	23
	2		*104*
	4		
	4	2.4B	19
CLAY–brown & gray–stiff to very stiff (A-6)			
	3		*98*
	3	1.8S@	
–10	3	11.3%	26
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL	USER NAME	DESIGNED DPS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE	DRAWN DPS	REVISED		SCALE: N.T.S. SHEET 19 OF 40 SHEETS STA. TO STA.
	PLOT DATE	CHECKED JF	REVISED		
		DATE 05/10/2013	REVISED		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	658
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-059**
Station: 517+00 Ramp E
Offset: 8.0' Left
Ground Surface Elev. 758.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL with Stone–black (Fill)	AS	–	10				
	5		*122*				
	5	11.1S●					
	6	12.7%	12				
CLAY to CLAY LOAM–dark brown & gray–hard (A–6) Fill							
	3		*118*				
	5						
–5	6	5.4B	16	–25			
	3		*106*				
CLAY–brown & gray–very stiff (A–6)	4						
	6	2.4B	22				
	2		*105*				
	4						
–10	5	3.75B	19	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-060**
Station: 520+12 Ramp E
Offset: 14.4' Left
Ground Surface Elev. 763.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL with Stone–black (Fill)	AS	–	21				
	1		*107*				
	2						
	3	2.9B	18				
SILTY CLAY–dark brown & gray–very stiff (A–6)							
	2		*96*				
	3						
–5	6	2.2B	27	–25			
	7		*102*				
	8	4.1S●					
CLAY–brown & gray–hard (A–6)	11	14.1%	22				
	4		*105*				
	9						
–10	11	7.25B	19	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-061**
Station: 523+06 Ramp E
Offset: 12.1' Left
Ground Surface Elev. *765.3*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	AS	–	22	TOPSOIL–black (Fill)
	3		*100*	
	2			
	3	2.1B	22	CLAY–dark brown, gray & black–stiff to very stiff (A–6) Fill
	1		*88*	
	2			
–5	5	1.4B	24	
	3			TOPSOIL–black
	5			
	5	–	30	
	2		*103*	SILTY CLAY–brown & gray–stiff (A–6)
	4			
–10	4	1.8B	21	
				End Of Boring @ –10.0'
				Hollow Stem Augers
				Diedrich Automatic Hammer
–15				
–20				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-062**
Station: 526+00 Ramp E
Offset: 4.0' Right
Ground Surface Elev. *763.9*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	AS	–	12	TOPSOIL with Stone–black (Fill)
	3			
	4			
	4	4.5P	18	CLAY LOAM–dark brown & gray–stiff to hard (A–6) Fill
	3		*112*	
	2			
–5	4	2.7B	19	
	3		*104*	
	3			
	6	1.9B	23	
	2		*100*	SILTY CLAY–brown & gray–stiff (A–6) Wet
	2			
–10	3	1.6B	26	
				End Of Boring @ –10.0'
				Hollow Stem Augers
				Diedrich Automatic Hammer
–15				
–20				
–25				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME –	DESIGNED – DPS	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE –	DRAWN – DPS	REVISED –		SCALE: N.T.S. SHEET 21 OF 40 SHEETS STA. TO STA.
	PLOT DATE –	CHECKED – JF	REVISED –		
		DATE – 05/10/2013	REVISED –		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	660
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-063**
Station: 234+94 Ramp B
Offset: 2.2' Left
Ground Surface Elev. 767.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	5
	5		*111*
	5	7.0S●	
	7	14.1%	16
	4		*108*
	4	6.0S●	
–5	6	14.1%	17
	5		*111*
	8		
	10	6.8B	18
	7		*113*
	9		
–10	10	6.0B	15
–15			
–20			
–25			
–30			
–35			
–40			

SAND, GRAVEL & TOPSOIL–black (Fill)

SILTY CLAY–brown & gray–hard (A–4)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-064**
Station: 231+98 Ramp B
Offset: 1.2' Left
Ground Surface Elev. 764.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	114
	2		*106*
	5		
	5	3.4B	19
	3		*112*
	6		
–5	8	5.8B	19
	4		*107*
	8		
	12	6.8B	18
	3		*110*
	6	4.0S●	
–10	6	14.1%	16
–15			
–20			
–25			
–30			
–35			
–40			

TOPSOIL–black

CLAY–dark brown & gray–very stiff to hard (A–6)

CLAY LOAM–gray–hard (A–6)

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE =	DRAWN - DPS	REVISED -		SCALE: N.T.S. SHEET 22 OF 40 SHEETS STA. TO STA.
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE 05/10/2013	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	661
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-065**
Station: 228+98 Ramp B
Offset: 6.2' Left
Ground Surface Elev. 761.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	56				
	1		*113*				
	5						
	7	7.7B	17				
CLAY–brown & gray–hard (A–6)	4		*116*				
	6						
–5	8	7.3B	16	–25			
	5		*112*				
	9						
	11	7.0B	16				
CLAY–gray–hard (A–6)	4		*116*				
	7						
–10	8	6.3B	15	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-066**
Station: 226+00 Ramp B
Offset: 14.3' Right
Ground Surface Elev. 764.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	24				
	2		*90*				
SILTY CLAY–dark brown, gray & black–stiff (A–6) Wet	3						
	3	1.8B	27				
	3						
	4						
–5	6	4.5+P	17	–25			
	6		*111*				
CLAY–brown & gray–hard (A–6)	8	7.6S@					
	10	14.1%	16				
	7		*113*				
	10						
–10	12	8.6B	16	–30			
End Of Boring @ –10.0'							
Hollow Stem Augers							
Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DPS	REVISED -			57	99-1HB-R1	WILL	679	662
	PLOT DATE =	CHECKED - JF	REVISED -						CONTRACT NO. 60L69	
		DATE - 05/10/2013	REVISED -		SCALE: N.T.S. SHEET 23 OF 40 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-067**
Station: 223+09 Ramp B
Offset: 14.0' Left
Ground Surface Elev. *759.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	57
CLAY–brown & gray–stiff (A-6) Wet		1		*96*
		2		
		3	1.5B	26
CLAY to CLAY LOAM–brown & gray–stiff to hard (A-6)		1		*105*
		3		
	-5	5	4.0B	18
		4		*103*
		6		
		7	2.6B	21
		5		*108*
		10		
	-10	9	1.6B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

Geo Services, Inc.
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(630) 355-2838

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-068**
Station: 219+96 Ramp B
Offset: 67.0' Left
Ground Surface Elev. *759.2*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL with Stone–black (Fill)		AS	–	18
CLAY–brown & gray–very stiff (A-6) Possible Fill		2		
		1		
		3	3.0P	19
		3		*106*
		5		
	-5	5	2.5B	22
CLAY–brown & gray–very stiff to hard (A-6)		4		*106*
		5		
		9	2.4B	21
		3		*108*
		8		
	-10	14	7.0B	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-069**
Station: 216+91 Ramp B
Offset: 24.0' Left
Ground Surface Elev. 757.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	22
CLAY–brown & gray–very stiff to hard (A-6)		3		*101*
		3	2.8S ⊙	
		5	12.7%	22
		2		*108*
		4	4.75S ⊙	
	-5	5	12.7%	18
		5		*119*
		9		
		9	6.75B	14
		8		*120*
		9		
	-10	12	8.1B	14
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-070**
Station: 213+95 Ramp B
Offset: 11.7' Left
Ground Surface Elev. 752.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	29
SILTY CLAY LOAM–brown & gray–very stiff to hard (A-4)		3		*112*
		5		
		5	4.4B	17
		3		*111*
		4		
	-5	5	3.5B	18
		4		
		6		
		6	4.5+P	16
CLAY–gray–stiff (A-6)		3		*116*
		4		
	-10	5	1.2B	16
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 | DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-071**
Station: 210+87 Ramp B
Offset: 13.2' Left
Ground Surface Elev. 756.8

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 748.8
Upon Completion 748.8
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	22
CLAY–brown & gray–stiff to very stiff (A-6)		1		*87*
		2		
		3	1.1B	28
		2		*102*
		2		
	-5	3	2.0B	21
		2		*109*
		3		
		4	2.0B	20
SANDY CLAY–brown–loose (A-6)		2		
		3		
	-10	4	–	21
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

Depth scale continues: -25, -30, -35, -40 (no data)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 | DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-072**
Station: 207+95 Ramp B
Offset: 15.1' Left
Ground Surface Elev. 756.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 752.8
Upon Completion 753.3
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	25
CLAY–brown & gray–stiff (A-6)		1		*95*
		2		
		2	1.3B	24
SANDY CLAY LOAM–brown & gray–very loose (A-2)		1		
		1		
	-5	3	–	20
CLAY–gray–stiff (A-6)		3		*106*
		3		
		6	1.9B	21
CLAY LOAM–gray–stiff (A-6)		2		*121*
		3		
	-10	3	1.0B	15
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

Depth scale continues: -25, -30, -35, -40 (no data)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-073**
Station: 204+93 Ramp B
Offset: 15.9' Left
Ground Surface Elev. 755.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	35				
	2		*104*				
	3						
	4	2.8B	20				
CLAY–brown & gray– very stiff to hard (A–6)	1		*111*				
	2						
–5	3	2.0B	18	–25			
	4		*110*				
	7						
	8	5.3B	18				
SILTY LOAM–brown– medium dense (A–4)	5						
	7						
–10	7	NP	20	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-074**
Station: 201+92 Ramp B
Offset: 9.4' L
Ground Surface Elev. 756.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 750.6
Upon Completion 751.1
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	33				
	1		*98*				
	2						
	3	1.2B	23				
SILTY CLAY–brown & gray– medium stiff to stiff (A–6)	2		*91*				
	2						
▽ –5	3	1.1B	28	–25			
▼	1		*100*				
	2						
	2	0.8B	23				
Clayey SAND & GRAVEL–gray– very loose (A–2)	1						
	2						
–10	2	–	16	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME	DESIGNED DPS	REVISED
		DRAWN DPS	REVISED
	PLOT SCALE	CHECKED JF	REVISED
	PLOT DATE	DATE 05/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS
SCALE: N.T.S. SHEET 27 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	666
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-075**
Station: 331+93 Ramp C
Offset: 1.6' Right
Ground Surface Elev. 758.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 750.4
Upon Completion 750.9
After _____ Hrs. ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	34				
	1		*99*				
SILTY CLAY–dark brown & gray–stiff (A-6) Wet	2						
	4	1.4B	27				
	3						
	6						
–5	7	4.5+P	20	–25			
CLAY–brown & gray–very stiff to hard (A-6)							
	4						
	5						
	6	2.0P	22				
▽ ▼							
	2		*114*				
	5						
–10	6	2.4B	18	–30			
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery

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Geotechnical, Environmental & Civil Engineering
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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic
STRUCT. NO. –
Station: –
BORING NO. **RB-076**
Station: 328+91 Ramp C
Offset: 2.8' Left
Ground Surface Elev. 759.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	40				
	1		*96*				
	2						
	3	1.5B	23				
	3		*111*				
CLAY–brown & gray–stiff to hard (A-6)	7	6.8S@					
–5	9	11.3%	19	–25			
	5		*106*				
	7						
	10	4.1B	19				
	4		*109*				
CLAY–gray–hard (A-6)	8						
–10	9	6.6B	20	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL

USER NAME	DESIGNED DPS	REVISED
	DRAWN DPS	REVISED
PLOT SCALE	CHECKED JF	REVISED
PLOT DATE	DATE 05/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS

SCALE: N.T.S. SHEET 28 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1H8-R1	WILL	679	667
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 — DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 — LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-077**
Station: 325+84 Ramp C
Offset: 4.5' Left
Ground Surface Elev. *760.4*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	35
CLAY–brown & gray–stiff to hard (A-6)		2		
		2		
		3	1.75P	24
		2		*103*
		4	4.25@	
	–5	5	12.7%	19
		4		*111*
		9		
		14	7.7B	18
CLAY–gray–hard (A-6)		7		*109*
		11		
	–10	15	8.9B	18
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			
	–25			
	–30			
	–35			
	–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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SECTION 99-1HB-R-1 — LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-078**
Station: 322+97 Ramp C
Offset: 3.6' Right
Ground Surface Elev. *763.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	27
SILTY CLAY–brown & black–very stiff (A-6) Apparent Fill		2		*96*
		3		
		5	2.0B	21
CLAY–brown & gray–very stiff to hard (A-6)		2		*112*
		4		
	–5	5	2.9B	18
		5		*100*
		8		
		9	2.9B	22
		3		*113*
		5		
	–10	6	4.9B	18
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	–15			
	–20			
	–25			
	–30			
	–35			
	–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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Geotechnical, Environmental & Civil Engineering
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Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

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GSI JOB No. 10196

ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-079**
Station: 319+96 Ramp C
Offset: 8.6' Left
Ground Surface Elev. 765.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	30
	3		
SILTY CLAY–dark brown & black–stiff (A–6)	3		
	4	1.75P	24
	2		*108*
	4		
–5	5	3.1B	18
CLAY–brown & gray–very stiff to hard (A–6)	3		*111*
	5		
	6	5.6B	16
	7		*116*
	10		
–10	13	7.1B	16
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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(630) 355-2838

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-080**
Station: 316+85 Ramp C
Offset: 11.2' Left
Ground Surface Elev. 760.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	31
	3		*104*
SILTY CLAY–dark brown & black–very stiff (A–6) Fill	4		
	6	3.6B	19
	3		*104*
	4		
–5	6	2.8B	21
CLAY–brown & gray–very stiff to hard (A–6)	4		*110*
	4		
	6	4.3B	18
	6		*115*
CLAY–gray–hard (A–6)	11		
–10	15	7.7B	17
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-081**
Station: 314+00 Ramp C
Offset: 8.0' Left
Ground Surface Elev. 759.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 751.4
Upon Completion 751.4
After _____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	AS	–	32	TOPSOIL–black
	3		*91*	
	4			
	4	1.9B	27	
	1		*96*	SILTY CLAY–brown, gray & black–stiff (A–6) Wet
–5	2			
	2	1.1B	26	
	1		*108*	CLAY–brown & gray–very stiff (A–6)
	2			
	5	3.9B	19	
	5		*111*	CLAY–gray–very stiff (A–6)
	7			
–10	10	3.2B	18	
				End Of Boring @ –10.0'
				Hollow Stem Augers
				Diedrich Automatic Hammer
–15				
–20				
–25				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57
SECTION 99-1HB-R-1
COUNTY Will
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-082**
Station: 310+91 Ramp C
Offset: 9.2' Right
Ground Surface Elev. 760.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 756.2
Upon Completion 756.2
After _____ Hrs.

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	AS	–	35	TOPSOIL–black
	2		*94*	
	3			CLAY–brown & gray–very stiff (A–6)
	3	3.2B	24	
	2			SILTY CLAY LOAM–brown & gray–very loose (A–4/A–6)
–5	2			
	2	1.75P	21	
	5		*104*	CLAY–brown & gray–hard (A–6)
	11			
	15	5.3B	18	
	3			Clayey SAND & GRAVEL–brown & gray–medium dense (A–2)
	5			
–10	6	–	19	
				End Of Boring @ –10.0'
				Hollow Stem Augers
				Diedrich Automatic Hammer
–15				
–20				
–25				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME	DESIGNED DPS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE	DRAWN DPS	REVISED		SCALE: N.T.S. SHEET 31 OF 40 SHEETS STA. TO STA.
	PLOT DATE	CHECKED JF	REVISED		
		DATE 05/10/2013	REVISED		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	670
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-083**
Station: 308+00 Ramp C
Offset: 8.0' Left
Ground Surface Elev. 760.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL-dark brown to black		AS	–	28
SILTY CLAY-brown & gray-stiff (A-6) Wet		2		
		3		
		4	1.5P	25
CLAY-brown & gray-hard (A-6)		3		*110*
		3		
	-5	6	4.4B	19
		5		*109*
		8		
		8	5.5B	18
		5		*112*
		9		
	-10	11	7.25B	16
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-084**
Station: 304+97 Ramp C
Offset: 0.2' Left
Ground Surface Elev. 762.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs.

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL-black		AS	–	24
		1		*97*
		3		
		5	2.25B	24
CLAY-brown & gray-very stiff to hard (A-6)		2		*109*
		4		
	-5	4	3.4B	19
		3		
		6		
		9	4.5+P	18
		3		*109*
		9		
	-10	14	7.25B	18
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-085**
Station: 301+98 Ramp C
Offset: 24.4' Right
Ground Surface Elev. *765.5*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	24				
	3						
	5						
	6	–	26				
SILTY CLAY–dark brown & gray–stiff (A-6) Wet							
	2		*96*				
	2	1.85●					
–5	3	12.7%	27	–25			
	1		*111*				
CLAY–brown & gray–hard (A-6)	3						
	5	4.0B	19				
	4		*108*				
	7						
–10	9	6.8B	18	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-086**
Station: 407+09 Ramp D
Offset: 4.9' Left
Ground Surface Elev. *760.7*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL–dark brown to black	AS	–	32				
	2		*96*				
	4						
	7	2.4B	26				
	4		*110*				
	6						
CLAY–brown & gray–very stiff to hard (A-6)	8	7.3B	17	–25			
	5		*117*				
	6						
	8	4.2B	16				
	5		*111*				
	6						
–10	9	4.3B	16	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL	USER NAME -	DESIGNED DPS	REVISED -
		DRAWN DPS	REVISED -
	PLOT SCALE -	CHECKED JF	REVISED -
	PLOT DATE -	DATE 05/10/2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE
SOIL BORING LOGS
SCALE: N.T.S. SHEET 33 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	672
		CONTRACT NO. 60L69		
	ILLINOIS FED. AID PROJECT			

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-087**
Station: 410+02 Ramp D
Offset: 9.3' Left
Ground Surface Elev. *760.8*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	38				
	2		*98*				
	3						
	4	1.9B	24				
CLAY–brown & gray– stiff to hard (A–6)	3		*105*				
	5						
–5	7	4.8B	20	–25			
	3		*114*				
	8						
	10	6.8B	17				
CLAY–gray–hard (A–6)	5		*106*				
	7						
–10	8	4.5B	19	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-088**
Station: 412+99 Ramp D
Offset: 23.0' Left
Ground Surface Elev. *765.0*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black	AS	–	22				
	3		*108*				
	6						
	6	4.8B	19				
CLAY–brown & gray– very stiff to hard (A–6) Fill	2		*103*				
	3						
–5	4	2.3B	20	–25			
	3						
TOPSOIL–black	6						
	9	2.3B	26				
SILTY CLAY–brown & gray– stiff (A–6) Wet	2		*95*				
	2						
–10	3	1.4B	26	–30			
End Of Boring @ –10.0' Hollow Stem Augers Diedrich Automatic Hammer							
–15				–35			
–20				–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME –	DESIGNED – DPS	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE –	DRAWN – DPS	REVISED –		SCALE: N.T.S. SHEET 34 OF 40 SHEETS STA. TO STA.
	PLOT DATE –	CHECKED – JF	REVISED –		
		DATE – 05/10/2013	REVISED –		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	673
		CONTRACT NO. 60L69		
	ILLINOIS FED. AID PROJECT			

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ROUTE F.A.I. RTE. 57 | DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-089**
Station: 416+01 Ramp D
Offset: 27.4' Left
Ground Surface Elev. 761.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL—black		AS	–	57
CLAY—brown & gray—hard (A-6)		4		*110*
		7		
		10	5.9B	19
		3		*110*
		9		
	-5	11	6.4B	16
		5		*110*
		8		
		12	4.2B	20
		4		*114*
		7		
	-10	10	4.1B	16
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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SECTION 99-1HB-R-1 | LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will | DRILLING METHOD Hollow Stem Auger | HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-090**
Station: 418+85 Ramp D
Offset: 10.6' Left
Ground Surface Elev. 760.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL—dark brown to black		AS	–	31
CLAY—brown & gray—hard (A-6)		3		*112*
		6		
		9	6.0B	19
		3		*111*
		6		
	-5	8	5.2B	17
		4		*111*
		8		
		11	5.4B	20
		5		*110*
		6		
	-10	7	4.1B	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-091**
Station: 421+98 Ramp D
Offset: 29.2' Left
Ground Surface Elev. 758.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black (Fill)	AS	–	30
	1		*99*
SILTY CLAY–dark brown–stiff (A–6) Fill	3		
	5	1.8B	23
TOPSOIL–black	2		
	4		
–5	5	–	32
SILTY CLAY–brown & gray–stiff (A–6) Wet	2		*96*
	3	1.9S●	
	4	14.1%	28
CLAY–brown & gray–hard (A–6)	2		*107*
	4		
–10	6	4.3B	20
End Of Boring ● –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-092**
Station: 425+00 Ramp D
Offset: 2.9' Right
Ground Surface Elev. 757.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL–dark brown to black	AS	–	35
	2		
	2		
	3	2.5P	23
	2		*110*
CLAY–brown & gray–very stiff to hard (A–6)	5		
–5	5	4.3B	17
	5		*108*
	8		
	15	7.4B	18
	6		*112*
	6		
–10	7	3.5B	17
End Of Boring ● –10.0' Hollow Stem Augers Diedrich Automatic Hammer			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

Boring RB-093

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-093**
Station: 428+00 Ramp D
Offset: 14.2' Left
Ground Surface Elev. *757.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *755.1* ▼
Upon Completion *754.6* ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	39
SANDY CLAY LOAM–brown–stiff (A-4/A-6) Possible Fill		3		*101*
		2		
		2	1.0B	23
CLAY–brown–very stiff (A-6)		3		*108*
		4		
	-5	5	2.2B	21
CLAY–gray–very stiff (A-6)		3		*118*
		7		
		9	2.5B	16
SAND & GRAVEL–gray–loose (A-1)		3		
		4		
	-10	4	NP	15
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

Boring RB-094

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ROUTE F.A.I. RTE. 57
DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1
LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will
DRILLING METHOD Hollow Stem Auger
HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-094**
Station: 430+98 Ramp D
Offset: 15.3' Right
Ground Surface Elev. *753.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *750.1* ▼
Upon Completion *751.6* ▽
After ____ Hrs. ____

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey TOPSOIL–black		AS	–	34
SANDY CLAY LOAM–gray–medium stiff (A-4/A-6)		1		*96*
		2		
		4	0.6B	22
SANDY LOAM–brown & gray–very loose (A-2)		1		
		1		
	-5	1	NP	29
Clayey SAND & GRAVEL–gray–loose (A-2)		2		
		3		
		4	NP	15
		4		
		4		
	-10	5	NP	14
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 — DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 — LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-095**
Station: 433+95 Ramp D
Offset: 6.5' Left
Ground Surface Elev. *758.3*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black (Fill)		AS	–	16
CLAY–brown & gray–very stiff (A-6) Fill		1		*99*
		2		
		2	2.1B	22
SILTY CLAY–dark brown & gray–stiff (A-6) Wet		1		*99*
		2		
	-5	2	1.3B	25
CLAY–brown & gray–hard (A-6)		2		*107*
		4		
		5	4.0B	20
		4		*109*
		7	6.2S●	
	-10	8	14.1%	17
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SOIL BORING LOG

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ROUTE F.A.I. RTE. 57 — DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 — LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE ___

STRUCT. NO. –
Station: –
BORING NO. **RB-103**
Station: 702+08 Ridge Lane Avenue
Offset: 42.5' Left
Ground Surface Elev. *764.0*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ___ Hrs. ___

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black		AS	–	39
SILTY CLAY–dark brown & gray–stiff (A-7) Wet		3		*92*
		3		
		3	1.8B	26
CLAY–brown & gray–very stiff to hard (A-6)		2		*104*
		2		
	-5	4	2.4B	22
		3		*108*
		4		
		8	4.0B	18
CLAY–gray–very stiff (A-6)		5		*115*
		7		
	-10	8	3.25B	16
End Of Boring @ -10.0' Hollow Stem Augers Diedrich Automatic Hammer				
	-15			
	-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE

STRUCT. NO. –
Station: –
BORING NO. **RB-104**
Station: 698+22 Ridge Lane Avenue
Offset: 28.6' Right
Ground Surface Elev. 764.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	34
	3		*104*
	3		
	5	1.5B	20
	5		*106*
	7		
–5	9	6.0B	17
	7		*127*
	10		
	11	6.5B	11
	6		*113*
	11		
–10	13	7.0B	18
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

End Of Boring @ –10.0'
Hollow Stem Augers
Diedrich Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROUTE F.A.I. RTE. 57 DESCRIPTION I-57 at Stuenkel Road Interchange, Contract No. 60L69
SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-105**
Station: 802+11 Central Avenue
Offset: 25.6' Right
Ground Surface Elev. 767.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	27
	3		
	2		
	2	1.75P	22
	3		*107*
	5		
–5	5	3.1B	17
	4		*113*
	6		
	9	6.5B	16
	6		
	9		
–10	15	4.5+P	17
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

End Of Boring @ –10.0'
Hollow Stem Augers
CME Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE =	DRAWN - DPS	REVISED -		SCALE: N.T.S. SHEET 39 OF 40 SHEETS STA. TO STA.
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE - 05/10/2013	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	678
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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SECTION 99-1HB-R-1 LOCATION SEC. 4, 5, 6, 7 & 8, T. 34 N., R. 13 E., 3rd P.M., Monee Township
COUNTY Will DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. –
Station: –
BORING NO. **RB-106**
Station: 798+28 Central Avenue
Offset: 27.0' Left
Ground Surface Elev. *763.1*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After _____ Hrs. _____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL–black			
	AS	–	30
SAND & GRAVEL–brown–loose (Fill)	2		
	3 4	NP	5
Clayey SAND & GRAVEL–brown–loose (Fill)	3		
–5	3 6	NP	10
	3		*100*
CLAY–brown & gray–stiff to very stiff (A–6)	4 6	1.9B	23
	3		*113*
–10	4 5	2.0B	18
End Of Boring @ –10.0' Hollow Stem Augers CME Automatic Hammer			
–15			
–20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STUENKEL ROAD AT I-57 RIDGELAND AVENUE TO CENTRAL AVENUE SOIL BORING LOGS
	PLOT SCALE =	DRAWN - DPS	REVISED -		
	PLOT DATE =	CHECKED - JF	REVISED -		
		DATE 05/10/2013	REVISED -		SCALE: N.T.S. SHEET 40 OF 40 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-1HB-R1	WILL	679	679
		CONTRACT NO. 60L69		
		ILLINOIS FED. AID PROJECT		

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