

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS 1652 (US 45)
SECTION (13, 14, 14-1Z)RS-4
PROJECT ACRS-1652(002)
RESURFACING
SHELBY & CUMBERLAND COUNTIES

C-97-005-15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	113,14,14-1Z)RS-4	ILLINOIS	33	1
			CONTRACT NO. 74693	
			• CUMBERLAND, SHELBY	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATIONS:

STA 429+00 BK = STA 428+92.93 AH

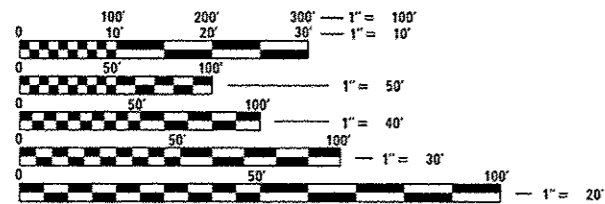
STA 512+80 BK = STA 513+00 AH

ADT (2013) = 2933

PROJECT ENDS
STA 771+27 (11th ST.)

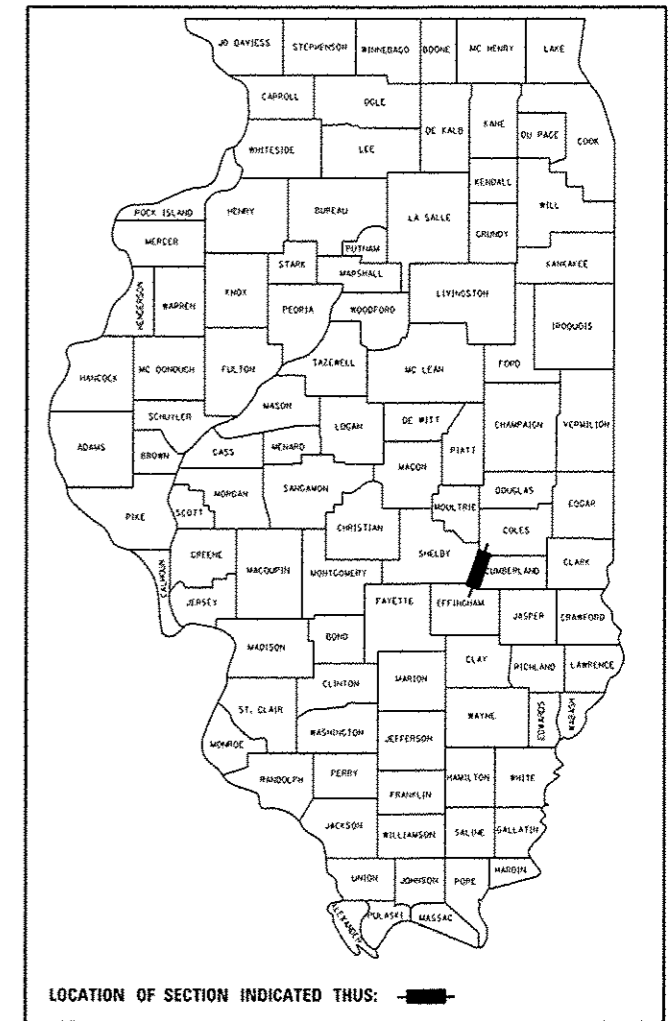
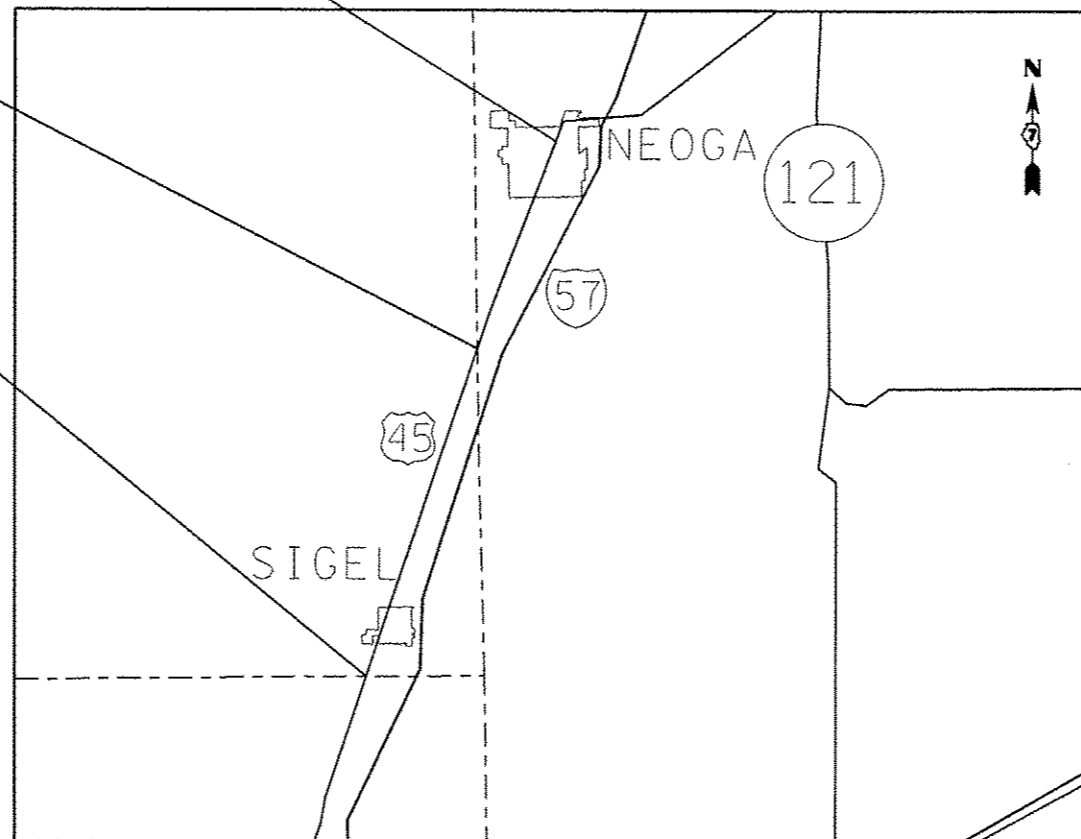
SHELBY/CUMBERLAND COUNTY LINE
STA 597+71

PROJECT BEGINS
STA 340+44 (CO. LINE)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



LOCATION OF SECTION INDICATED THUS: [black rectangle symbol]

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: BRIAN BIERMAN

GROSS LENGTH = 43,070 FT. = 8.16 MILE
NET LENGTH = 43,059 FT. = 8.16 MILE

CONTRACT NO. 74693

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 21, 2016

Jeffrey M. Smith 10/27/16
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 9 2016
Maureen H. Adams PE
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 9 2016
Chris Cannon PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4" CONSISTS OF 73,155 FEET OF WHITE AND 14,065 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 4" CONSISTS OF 10,198 FEET OF WHITE AND 2,507 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 6" CONSISTS OF 316 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 12" CONSISTS OF 48 FEET OF WHITE. NONE OF THIS STRIPING SHALL BE GROOVED IN.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 24" CONSISTS OF 122 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS CONSISTS OF 122 SQ FT OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 538 TWO-WAY AMBER MARKERS.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE ONLY AND THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AGGREGATE WEDGE SHOULDER MAY BE OMITTED IN RESIDENTIAL AREAS AS DETERMINED BY THE ENGINEER.

THE HOT-MIX ASPHALT QUALITY CONTROL FOR PERFORMANCE (BMPP) SPECIAL PROVISION SHALL APPLY TO THE LEVELING BINDER (MACHINE METHOD) IL-9.5FG, N90. FOR THE LEVELING BINDER (MACHINE METHOD) IL-9.5FG, N90 MIX THE TOTAL PAY FACTOR FOR THE DENSITY WILL BE 100.0 AFTER A ROLLING PATTERN IS APPROVED BY THE DISTRICT ON THE FIRST DAY OF PRODUCTION. USE OF A VIBRATORY ROLLER IN DYNAMIC MODE WILL NOT BE ALLOWED WHEN CONSTRUCTING LEVEL BINDER (MACHINE METHOD).

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

VIBRATORY ROLLERS IN DYNAMIC MODE SHALL NOT BE PERMITTED IN NEOGA.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE PROHIBITED IN THE AREA BETWEEN US 45 AND THE RAILROAD WEST OF THE HIGHWAY FOR THE ENTIRE LENGTH OF THE PROJECT.

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE FULL DEPTH THROUGH THE EXISTING SURFACE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

THE HMA SURFACE REMOVAL AND RESURFACING SHALL BE DONE IN A MANNER THAT DOES NOT RESULT IN A GREATER ELEVATION DIFFERENTIAL BETWEEN OPEN LANES THAN ALLOWED BY ARTICLE 701.07 OF THE STANDARD SPECIFICATIONS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, MIX "C", N90 (1 1/2")	PG 64-22	4.0% @ N=90	IL - 9.5	MIXTURE C	PFP
LEVELING BINDER (MACHINE METHOD), N90 (3/4")	PG 64-22	4.0% @ N=90	IL - 9.5	N/A	OCP
HMA SHOULDERS, 6 1/2" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	OC/OA
HMA SHOULDERS, 6 1/2" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	OC/OA
CLASS D PATCHES (13" AND 15")	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	OC/OA
INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	OC/OA

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8-10	SCHEDULE OF QUANTITIES
11	CONSTRUCTION DETAILS
12	SIDEROAD RESURFACING DETAILS
13-24	ADA RAMP DETAILS
25-28	PAVEMENT MARKING DETAILS
29-33	BOX CULVERT DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
642006	SHOULDER RUMBLE STRIPS, 8 IN
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

80% FEDERAL
20% STATE

80% FEDERAL
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0005 SHELBY	0005 CUMBERLAND
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	50	28	22
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	22	22	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	82	82	
28100107	STONE RIPRAP, CLASS A4	SO YD	29	29	
28200200	FILTER FABRIC	SO YD	29	29	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	84851	50172	34679
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	4518	2662	1856
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1114	642	472
40600990	TEMPORARY RAMP	SO YD	67	12	55
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	11314	6699	4615
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	289	171	118
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	4142	2273	1869
42400800	DETECTABLE WARNINGS	SO FT	390	254	136
44000100	PAVEMENT REMOVAL	SO YD	15		15

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0005 SHELBY	0005 CUMBERLAND
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	24455	15393	9062
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	94140	58641	35499
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	16756	6227	10529
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	13		13
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	175		175
44000600	SIDEWALK REMOVAL	SO FT	2858	1132	1726
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SO YD	16		16
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	1051	461	590
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	116	76	40
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	739	71	668
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	62	62	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	722	432	290
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SO YD	1670	939	731
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	

14

14

FILE NAME =	USER NAME = stefferink	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT =	PROJECT =	CHECKED -	REVISED -			1652	(13,14,14-1Z)RS-4		33	3
PLOT SCALE = 1/8" = 1'-0"	PLOT DATE = 11/16/2016	DATE -	REVISED -			CONTRACT NO. 74693			ILLINOIS FED. AID PROJECT	
SCALE: N/A	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			CUMBERLAND, SHELBY				

80% FEDERAL
20% STATE

80% FEDERAL
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 SHELBY	0005 CUMBERLAND	
54010403	PRECAST CONCRETE BOX CULVERTS 4' X 3'	FOOT	44	44		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	134		134	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	53		53	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	71971	45510	26461	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	2	2	
67100100	MOBILIZATION	LSUM	1	0.5	0.5	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	0.5	0.5	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.5	0.5	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	0.5	0.5	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	0.5	0.5	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	14	7	7	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 SHELBY	0005 CUMBERLAND	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12921	7714	5207	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1436	857	579	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	122		122	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12705	5166	7539	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	316	48	268	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	48	48		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	122		122	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	87220	54926	32294	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	538	321	217	
X1200050	BOX CULVERT REMOVAL	FOOT	46	46		
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	752	449	303	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14	
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	122		122	

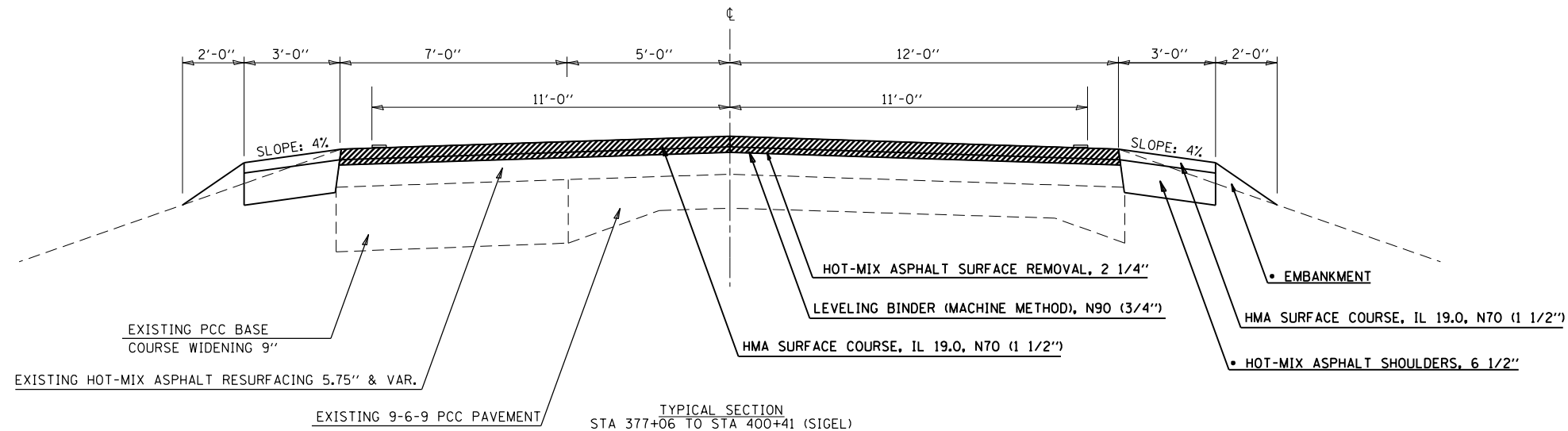
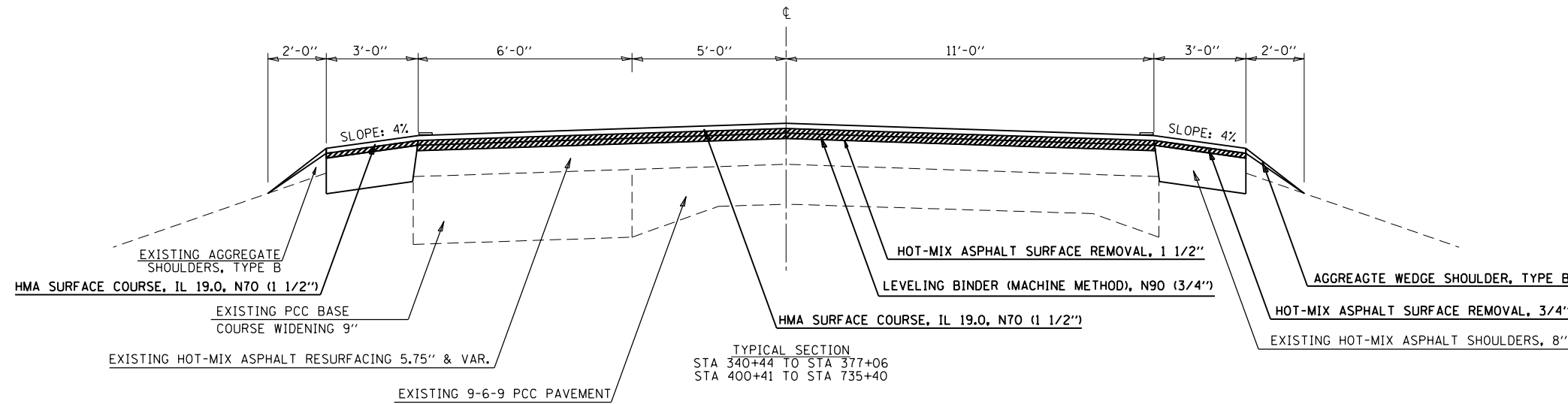
* SPECIALTY ITEM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	SCALE: N/A SHEET OF SHEETS STA. TO STA.	P.A.S. RTE. 1652 SECTION (13,14,14-1Z)RS-4 COUNTY TOTAL SHEETS 33 SHEET NO. 4
Documents\DOT Office\District 7\Projects\74693\Drawings\CD\Sheets\0774693-shi-300.dgn	PROJECT =	CHECKED -	REVISED -		
PLT SCALE = 100.0000 1/2" = 1'	DATE -	CHECKED -	REVISED -		
Default	DATE -	CHECKED -	REVISED -		

ILLINOIS FED. AID PROJECT * CUMBERLAND, SHELBY



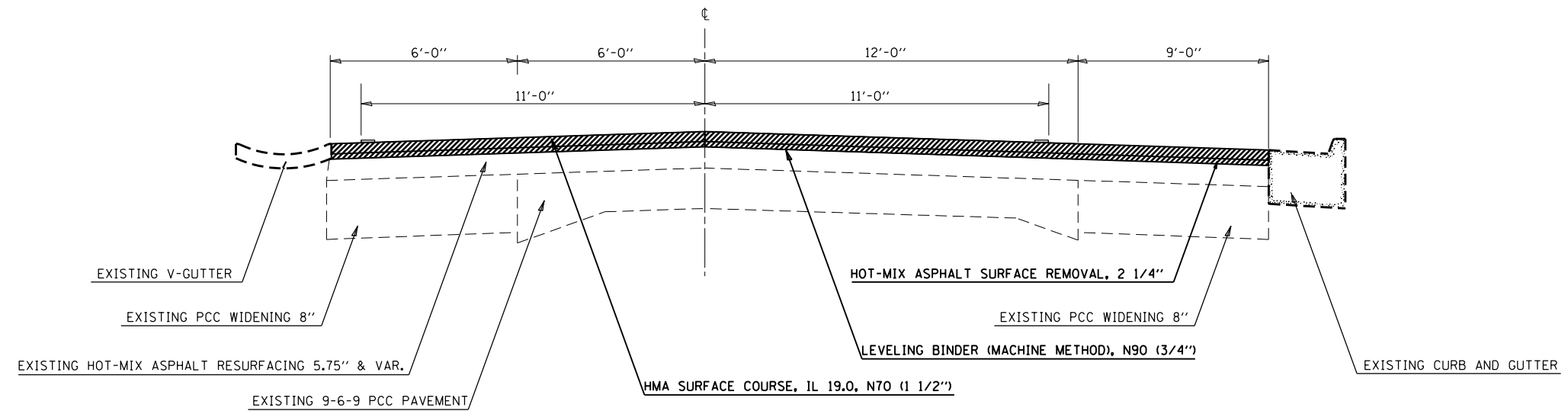
• NOTE: RT STA 377+06 TO RT STA 380+37 - 1 1/2" INLAY EXISTING HMA SHOULDER
 RT STA 394+45 TO RT STA 400+41 - LEAVE EXISTING SHOULDER AS IS

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\7463\DRAWING\CAB\sheets\0774693-sht-typical\		REVISIONS	REVISED -
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	PLOT DATE = 11/16/2016	DATE -	REVISED -

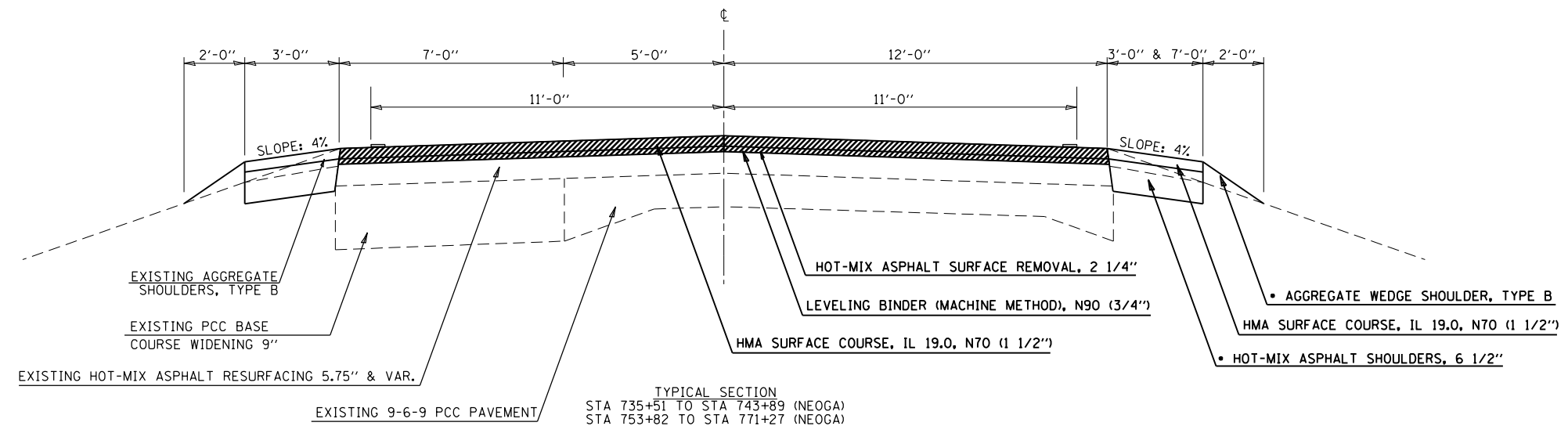
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	6
CONTRACT NO. 74693				



TYPICAL SECTION
STA 743+89 TO STA 753+82 (NEOGA)



TYPICAL SECTION
STA 735+51 TO STA 743+89 (NEOGA)
STA 753+82 TO STA 771+27 (NEOGA)

- NOTE: RT STA 739+06 TO RT STA 742+06 - 1 1/2" INLAY EXISTING HMA SHOULDER
- LT STA 753+82 TO LT STA 771+27 - 1 1/2" INLAY EXISTING HMA SHOULDER
- RT STA 762+90 TO RT STA 767+77 - 1 1/2" INLAY EXISTING 7' EXISTING HMA SHOULDER

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	7
CONTRACT NO. 74693				

ILLINOIS FED. AID PROJECT
CUMBERLAND, SHELBY

PAVEMENT SCHEDULE

STATION TO STATION			LENGTH	AVERAGE WIDTH	EXCAVATING AND GRADING EXISTING SHOULDER	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD), N90	TEMPORARY RAMP	TEMPORARY RAMP, SPECIAL	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SHOULDER RUMBLE STRIPS, 8 INCH
			FT	FT	UNIT	LB	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	TON	SQ YD	FT
340+44	TO	377+06	3662	22	-	7117	376	12	91	953	2389	8952	-	65	-	6875
377+06	TO	380+37	331	24	2.0	669	37	-	34	88	-	97	883	-	66	-
380+37	TO	394+45	1408	24	21.4	2855	158	-	158	375	-	-	3755	-	712	-
394+45	TO	400+41	596	24	4.8	1145	67	-	62	147	-	-	1589	-	161	-
400+41	TO	429+00	2859	22	-	5575	294	-	0	747	1906	6989	-	54	-	5650
STATION EQUATION: STA 429+00 BK = STA 428+92.93 AH																
428+93	TO	512+80	8387	22	-	16334	861	-	31	2188	5545	20502	-	157	-	16593
STATION EQUATION: STA 512+80 BK = STA 513+00 AH																
513+00	TO	597+71	8471	22	-	16476	870	-	73	2201	5553	20707	-	156	-	16392
SHELBY COUNTY TOTALS:					28	50172	2662	12	449	6699	15393	57246	6227	432	939	45510
597+71	TO	735+40	13769	22	-	26797	1414	12	93	3588	9062	33658	-	251	-	26461
735+40	TO	735+51	11	RAILROAD OMISSION												
735+51	TO	739+06	355	24	6.6	739	40	21	7	99	-	-	947	6	221	-
739+06	TO	742+06	300	24	3.0	613	34	-	25	81	-	62	800	5	100	-
742+06	TO	743+89	183	24	3.7	384	20	-	6	51	-	-	488	3	122	-
743+89	TO	753+82	993	33	-	2458	153	-	84	306	-	-	3641	-	-	-
753+82	TO	762+90	908	24	7.0	1876	102	-	35	250	-	303	2421	15	233	-
762+90	TO	767+77	487	24	-	1106	55	-	31	145	-	433	1299	4	-	-
767+77	TO	771+27	350	24	1.6	707	39	21	23	95	-	117	933	5	55	-
CUMBERLAND COUNTY TOTALS:					22	34679	1856	55	303	4615	9062	34572	10529	290	731	26461
TOTALS:					50	84851	4518	67	752	11314	24455	91818	16756	722	1670	71971

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74693\Drawings\CAD\Sheets\0774693-sht-schedule	DESIGNED -	REVISED -	1652			(13,14,14-1Z)RS-4	*	33	8	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74693				
	PLOT DATE = 11/16/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

STATION TO STATION			LENGTH	PAINT PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED, REFLECTIVE PAVEMENT MARKER
STA.	TO	STA.	FT	FT	FT	FT	FT	FT	FT	FT	FT	SO FT	SO FT	FT	SO FT	EACH
340+44	TO	348+48	804	1809	-	-	-	-	-	-	-	-	-	241	27	10
348+48	TO	353+99	551	1728	-	-	-	-	-	-	-	-	-	165	18	7
353+99	TO	360+11	612	1377	-	-	-	-	-	-	-	-	-	184	20	8
360+11	TO	365+46	535	1204	-	-	-	-	-	-	-	-	-	161	18	7
365+46	TO	371+04	558	1256	-	-	-	-	-	-	-	-	-	167	19	7
371+04	TO	376+39	535	1739	-	-	-	-	-	-	-	-	-	161	18	7
376+39	TO	378+24	185	151	172	322	-	-	-	-	-	-	-	56	6	2
378+24	TO	383+30	506	-	1444	1444	-	-	-	-	-	-	-	152	17	6
383+30	TO	429+00	4570	6106	3550	9656	48	48	48	-	-	-	-	1371	152	57
STATION EQUATION: STA 429+00 BK = STA 428+92.23 AH																
428+92	TO	512+80	8388	18734	-	-	-	-	-	-	-	-	-	2516	280	105
STATION EQUATION: STA 512+80 BK = STA 513+00 AH																
513+00	TO	597+71	8471	20824	-	-	-	-	-	-	-	-	-	2541	282	106
SHELBY COUNTY TOTALS:				54926	5166	11422	48	48	48	0	0	0	0	7714	857	321
597+71	TO	706+99	10928	24305	-	-	-	-	-	-	-	-	-	3278	364	137
706+99	TO	712+84	585	1901	-	-	-	-	-	-	-	-	-	176	20	7
712+84	TO	716+18	334	682	-	-	-	-	-	-	-	-	-	100	11	4
716+18	TO	722+21	603	1960	-	-	-	-	-	-	-	-	-	181	20	8
722+21	TO	730+97	876	1971	-	-	-	-	-	-	-	-	-	263	29	11
730+97	TO	741+95	1098	1476	2035	3511	-	-	-	66	66	122	122	329	37	14
741+95	TO	743+89	194	-	243	243	-	-	-	-	-	-	-	58	6	2
743+89	TO	753+82	993	-	2277	2277	268	268	-	56	56	-	-	298	33	12
753+82	TO	771+27	1745	-	3790	3790	-	-	-	-	-	-	-	524	58	22
CUMBERLAND COUNTY TOTALS:				32294	8345	9821	268	268	0	122	122	122	122	5207	579	217
TOTALS:				87220	13511	21243	316	316	48	122	122	122	122	12921	1436	538

***** NOTE: INCLUDES 11 PARALLEL PARKING SPOTS BETWEEN 5TH AND 6TH STREETS. SEE DETAIL NO. 78000001 SHEET 2 OF 4.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74693\Drawings\CAD\Drawings\74693-sht-schedule	DESIGNED -	REVISED -	1652						(13,14,14-1Z)RS-4	*	33	9	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 74693								
	PLOT DATE = 11/16/2016	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	* CUMBERLAND, SHELBY				

ADA RAMP SCHEDULE			SIDEWALK REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER, TYPE B-6, 12	COMBINATION CURB AND GUTTER, TYPE B-6, 24	DETECTABLE WARNINGS	PORTLAND CEMENT CONCRETE SIDEWALK 6"
LOCATION			SQ FT	FT	SQ YD	SQ YD	FT	SQ FT	SQ FT	SQ FT
TOWN	STREET	QUADRANT								
SIGEL	CENTRAL	NE	47	-	-	-	-	-	17	119
		SE	175	-	-	-	-	-	20	226
		NW	147	-	-	-	-	-	20	205
		SW	56	-	-	-	-	-	20	276
SIGEL	WASHINGTON	NE	133	-	-	-	-	-	21	190
		SE	25	-	-	-	-	-	20	166
		NW	65	-	-	-	-	-	20	172
		SW	163	-	-	-	-	-	20	216
SIGEL	LOUIS	NE	76	-	-	-	-	-	20	109
		SE	69	-	-	-	-	-	20	124
		NW	67	-	-	-	-	-	16	160
		SW	30	-	-	-	-	-	20	174
SIGEL	HOFFMAN	NE	79	-	-	-	-	-	20	136
SHELBY CO TOTALS:			1132	0	0	0	0	0	254	2273
NEOGA	SIXTH	NE	440	54	15	-	66	-	20	656
		SE	311	41	-	-	41	-	16	311
		NW	98	37	-	13	-	37	10	102
		SW	89	16	-	-	-	16	20	96
NEOGA	SEVENTH	NE	222	-	-	-	-	-	20	100
		SE	202	27	-	-	27	-	20	202
		NW	175	-	-	-	-	-	15	212
		SW	189	-	-	-	-	-	15	190
CUMBERLAND CO TOTALS:			1726	175	15	13	134	53	136	1869
JOB TOTALS:			2858	175	15	13	134	53	390	4142

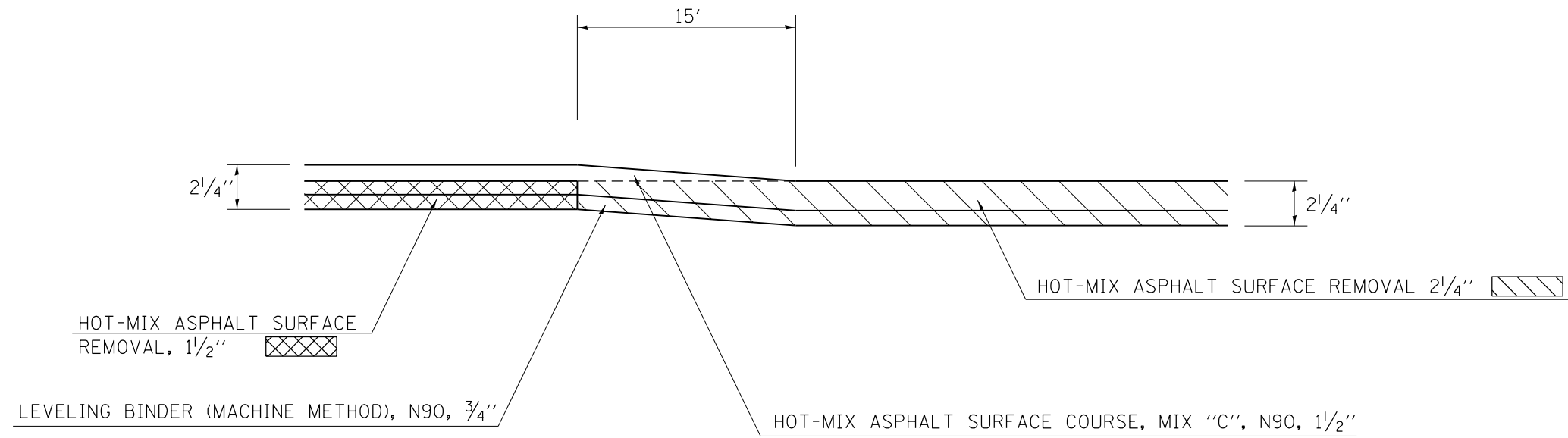
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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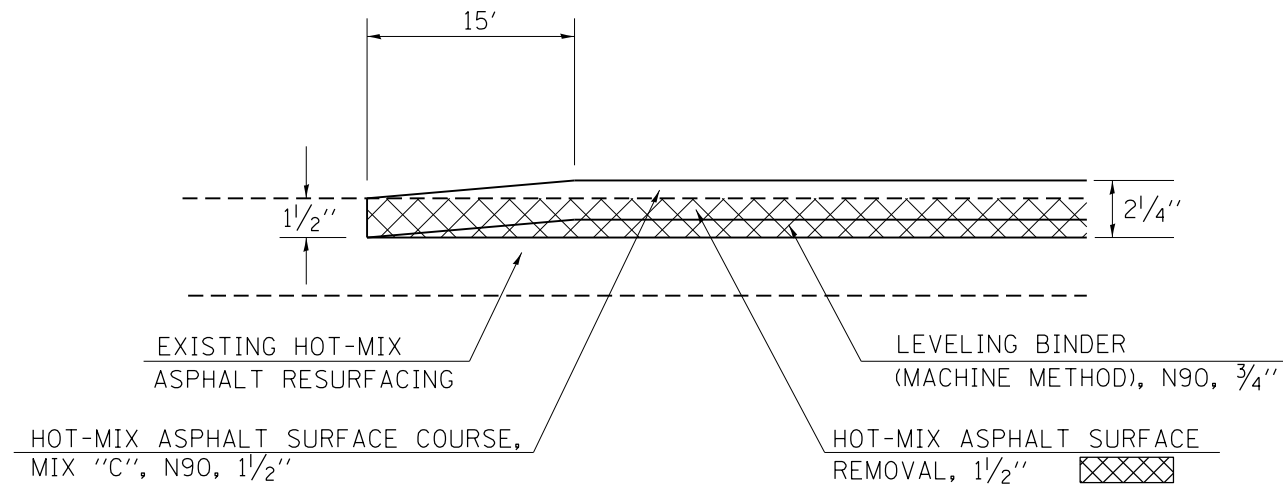
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74693	



MILLING TRANSITION DETAIL

STA 377+06 TO STA 377+21

STA 400+26 TO STA 400+41



PAVING TRANSITION DETAIL

STA 340+44 TO STA 340+59

STA 735+25 TO STA 735+40

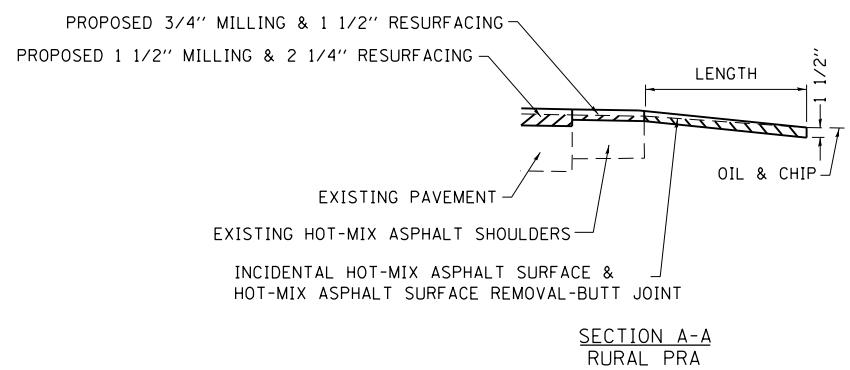
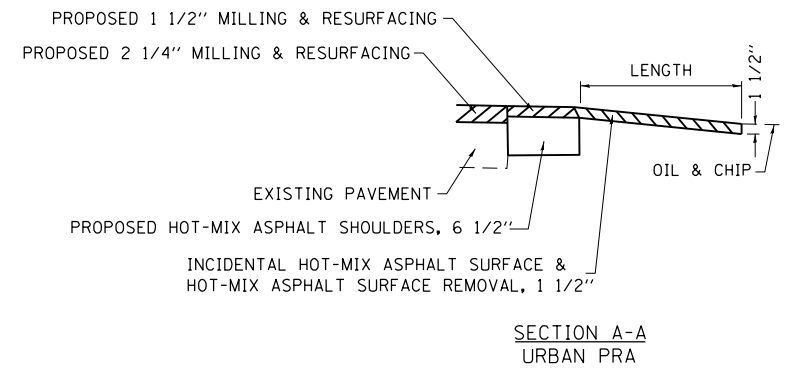
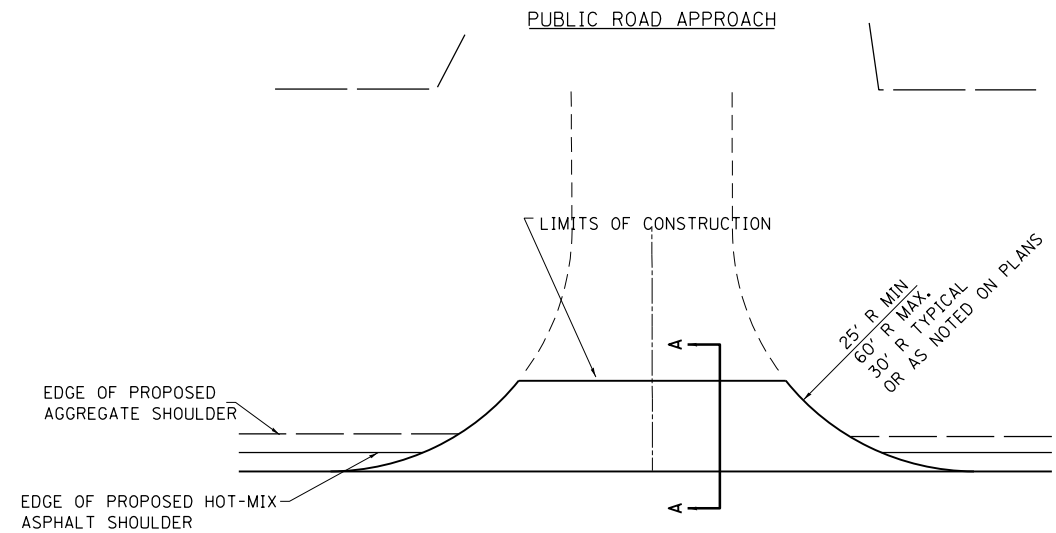
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	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

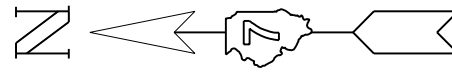
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74693	



NOTES
 THE COST OF THE BITUMINOUS MATERIALS FOR PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

INCIDENTAL RESURFACING SCHEDULE



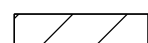
STATION	LT/RT	STREET NAME	DISTANCE FROM US 45 EOP	WIDTH AT US 45 EOP	WIDTH AT END OF RESURFACING	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
			FT	FT	FT	SQ YD	SQ YD	TON
353+46	LT	25N	20	40	20	0	67	5.6
376+92	RT	MAIN/OAK	VAR.	VAR.	VAR.	306	0	25.7
380+09	RT	HARRISON	19	40	21	64	0	5.4
380+09	LT	HARRISON	17	40	20	57	0	4.8
383+40	RT	CENTRAL	20	44	19	70	0	5.9
383+40	LT	CENTRAL	19	58	26	89	0	7.4
386+70	RT	WASHINGTON	20	61	37	109	0	9.1
386+70	LT	WASHINGTON	20	64	28	102	0	8.6
389+99	RT	LOUIS	20	55	27	91	0	7.7
389+99	LT	LOUIS	20	68	40	120	0	10.1
393+28	RT	HOFFMAN	18	51	30	81	0	6.8
399+54	RT	100N	28	87	31	184	0	15.4
399+54	LT	100N	26	62	23	123	0	10.3
456+58	RT	200N	27	47	25	0	108	9.1
456+58	LT	200N	27	61	24	0	128	10.7
513+76	RT	300N	24	59	23	0	109	9.2
513+76	LT	300N	24	54	28	0	109	9.2
569+28	LT	400N	25	60	27	0	121	10.2
SHELBY COUNTY TOTALS:						1395	642	171
625+43	LT	800N	24	74	33	0	143	12.0
653+27	LT	850N	24	66	28	0	125	10.5
681+09	LT	900N	23	56	21	0	98	8.3
713+72	LT	950N	25	56	20	0	106	8.9
739+44	RT	4TH	20	56	28	93	0	7.8
744+10	RT	5TH	20	47	26	81	0	6.8
748+83	RT	6TH	44	68	50	288	0	24.2
753+56	RT	7TH	21	60	29	104	0	8.7
753+56	LT	7TH	21	61	30	106	0	8.9
758+31	RT	8TH	21	56	27	97	0	8.1
763+10	RT	9TH	21	53	24	90	0	7.5
767+73	RT	10TH	21	40	18	68	0	5.7
CUMBERLAND COUNTY TOTALS:						927	472	118
TOTALS:						2322	1114	289

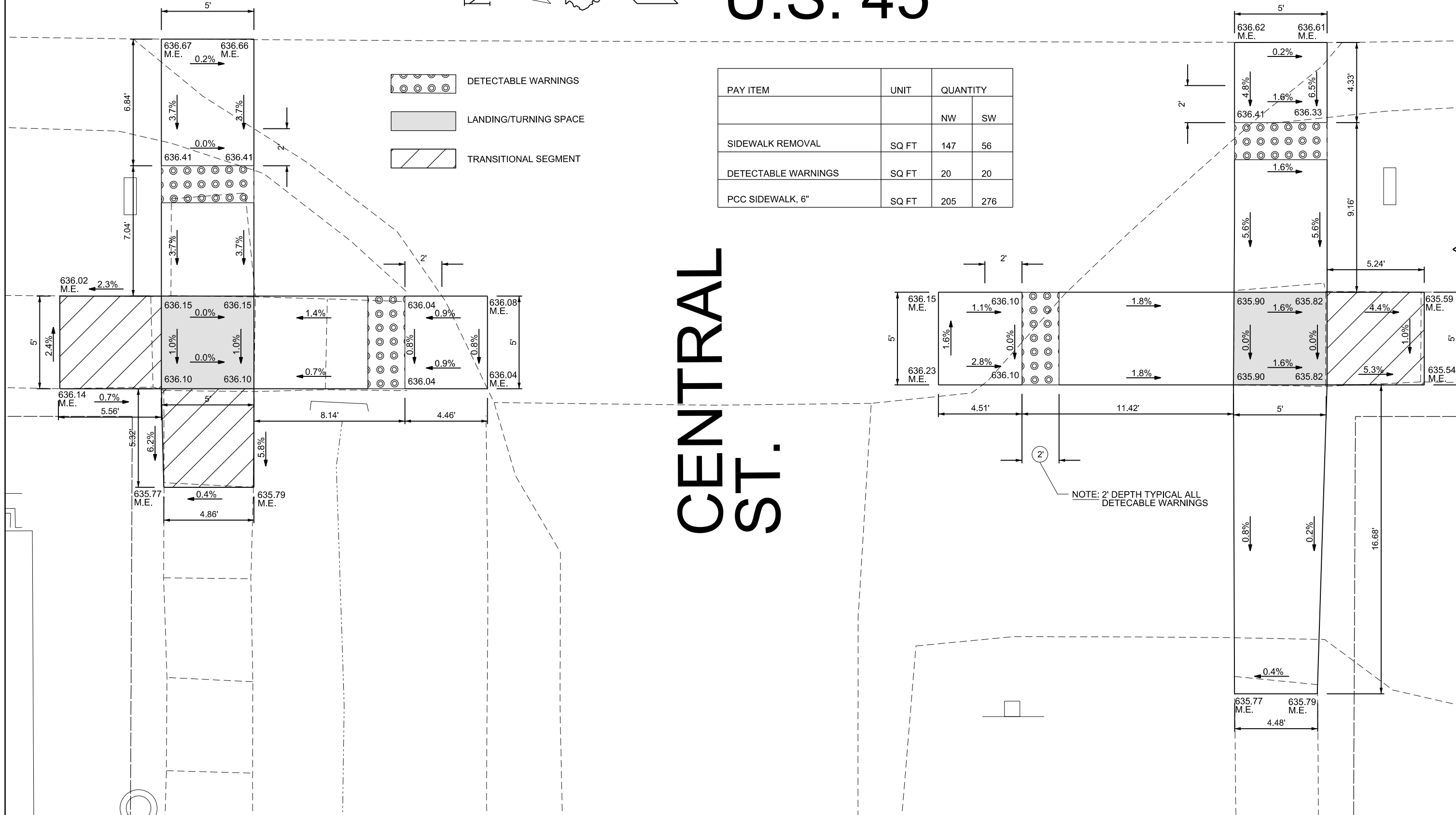


U.S. 45

CENTRAL ST.

PAY ITEM	UNIT	QUANTITY	
		NW	SW
SIDEWALK REMOVAL	SQ FT	147	56
DETECTABLE WARNINGS	SQ FT	20	20
PCC SIDEWALK, 6"	SQ FT	205	276

-  DETECTABLE WARNINGS
-  LANDING/TURNING SPACE
-  TRANSITIONAL SEGMENT



NOTE: 2' DEPTH TYPICAL ALL DETECABLE WARNINGS

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2016	DATE -	REVISED -

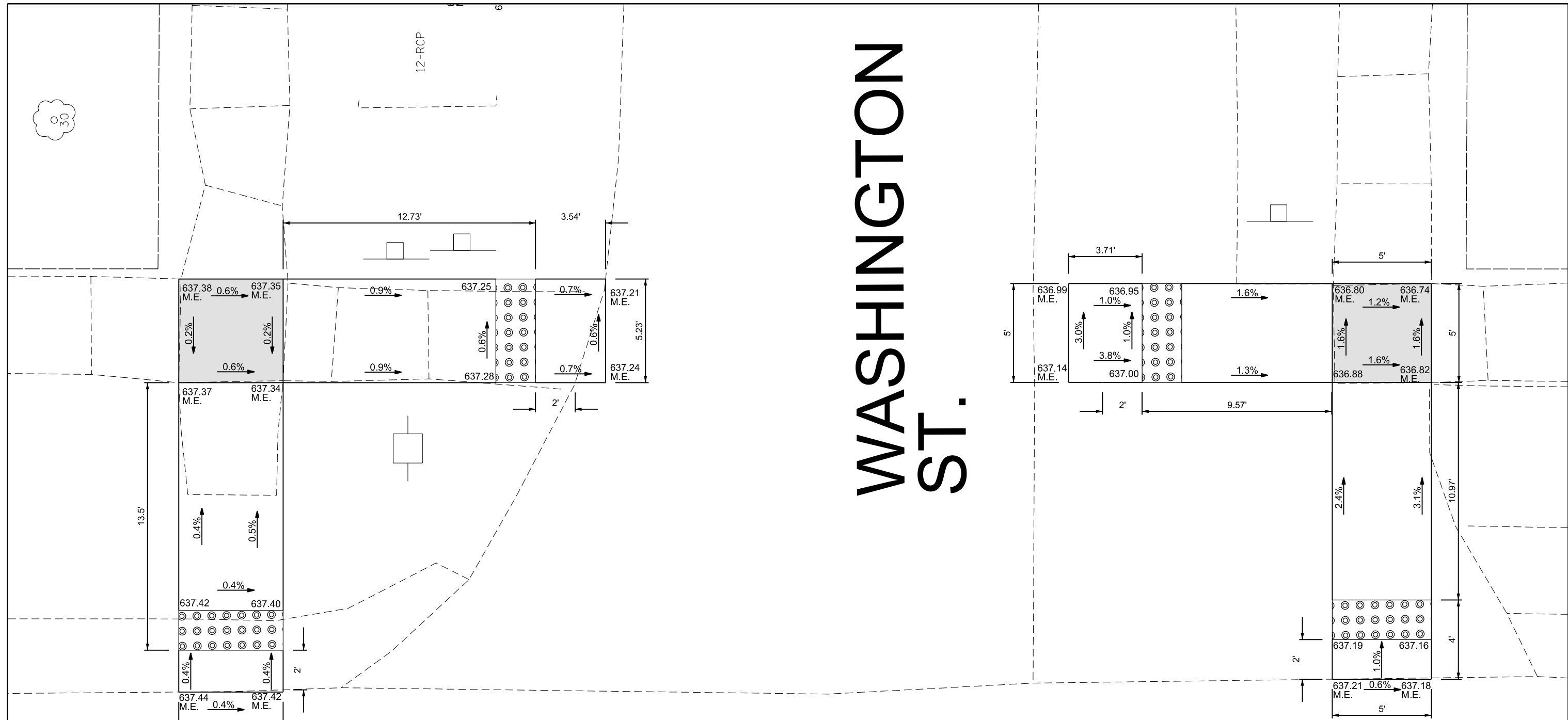
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGEL ADA RAMPS: CENTRAL ST.

SCALE: SHEET OF SHEETS STA. TO STA.

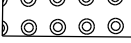

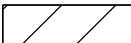
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4		33	13
CONTRACT NO. 74693			ILLINOIS FED. AID PROJECT	

CUMBERLAND, SHELBY

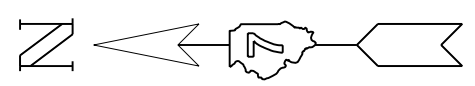


WASHINGTON ST.

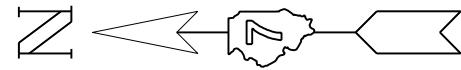
U.S. 45

-  DETECTABLE WARNINGS
-  LANDING/TURNING SPACE
-  TRANSITIONAL SEGMENT

PAY ITEM	UNIT	QUANTITY	
		NE	SE
SIDEWALK REMOVAL	SQ FT	133	25
DETECTABLE WARNINGS	SQ FT	21	20
PCC SIDEWALK, 6"	SQ FT	190	166

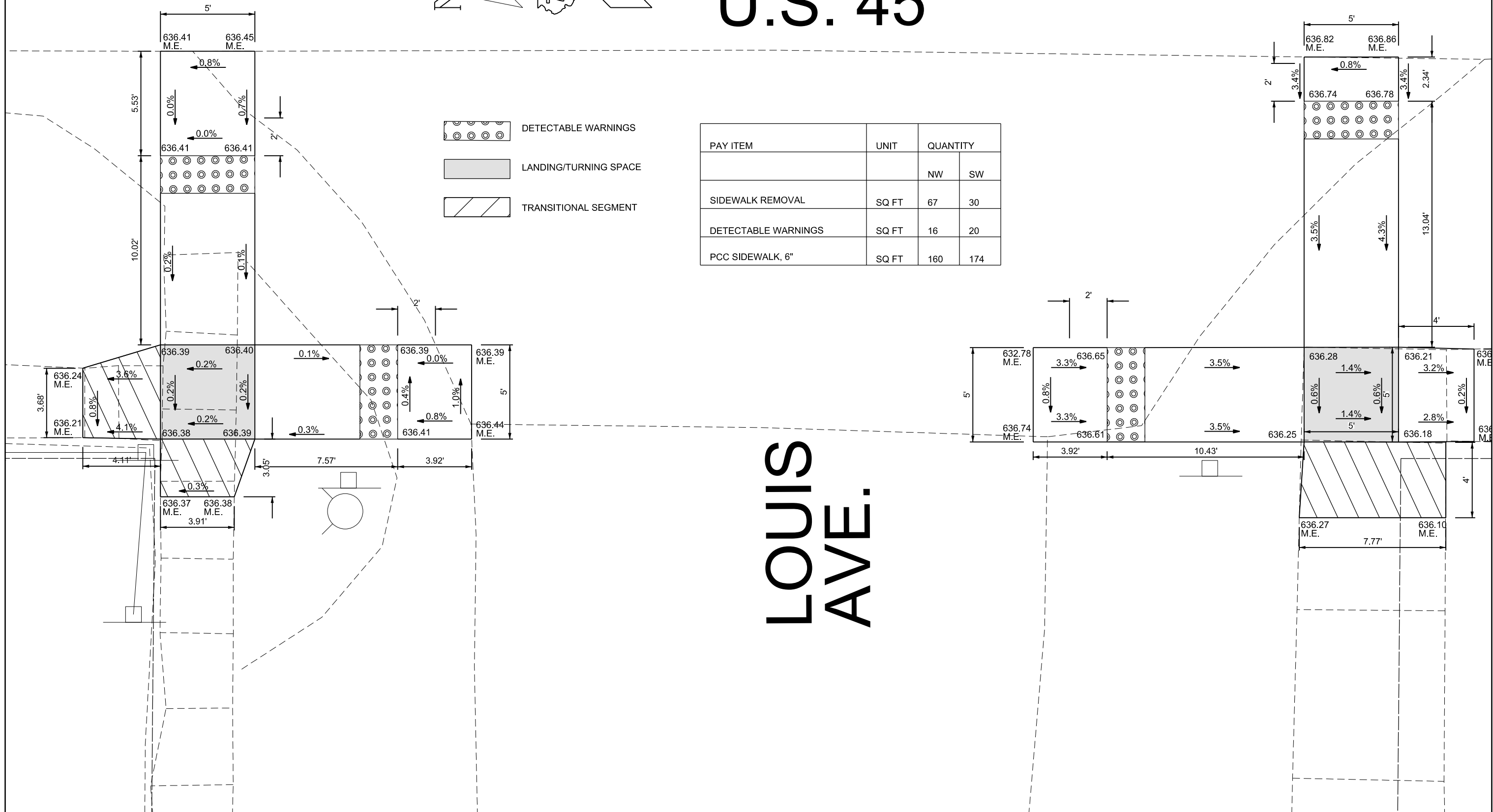


* CUMBERLAND, SHELBY



U.S. 45

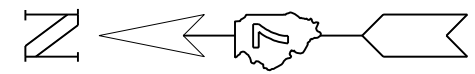
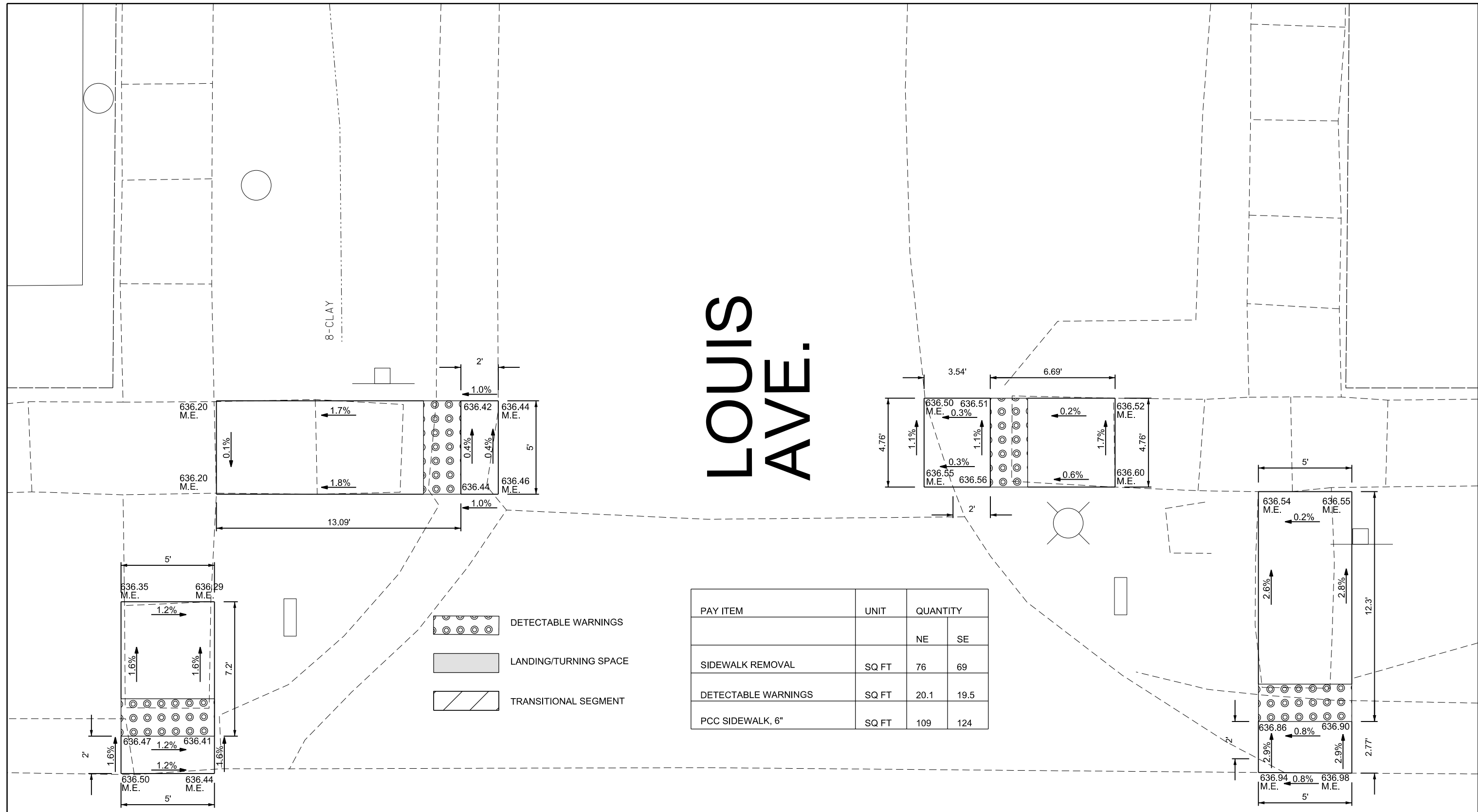
LOUIS AVE.

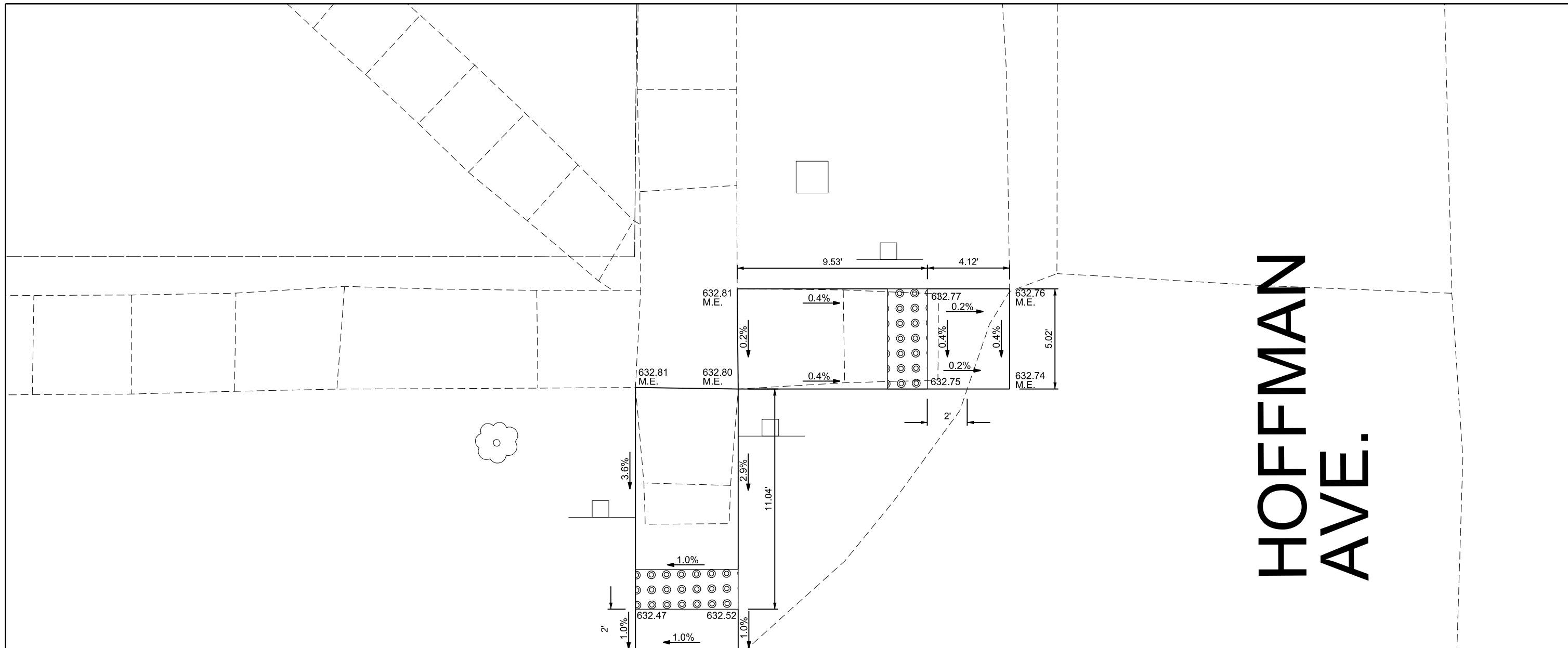


FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGEL ADA RAMPS: LOUIS AVE.			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 5.0000' / in.	DATE -	REVISOR -					CONTRACT NO. 74693				
								ILLINOIS FED. AID PROJECT				

LOUIS AVE.

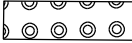

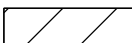
U.S. 45





**HOFFMAN
AVE.**

U.S. 45

-  DETECTABLE WARNINGS
-  LANDING/TURNING SPACE
-  TRANSITIONAL SEGMENT

PAY ITEM	UNIT	QUANTITY
SIDEWALK REMOVAL	SQ FT	79
DETECTABLE WARNINGS	SQ FT	20.3
PCC SIDEWALK, 6"	SQ FT	136

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 5.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGEL ADA RAMP: HOFFMAN AVE.

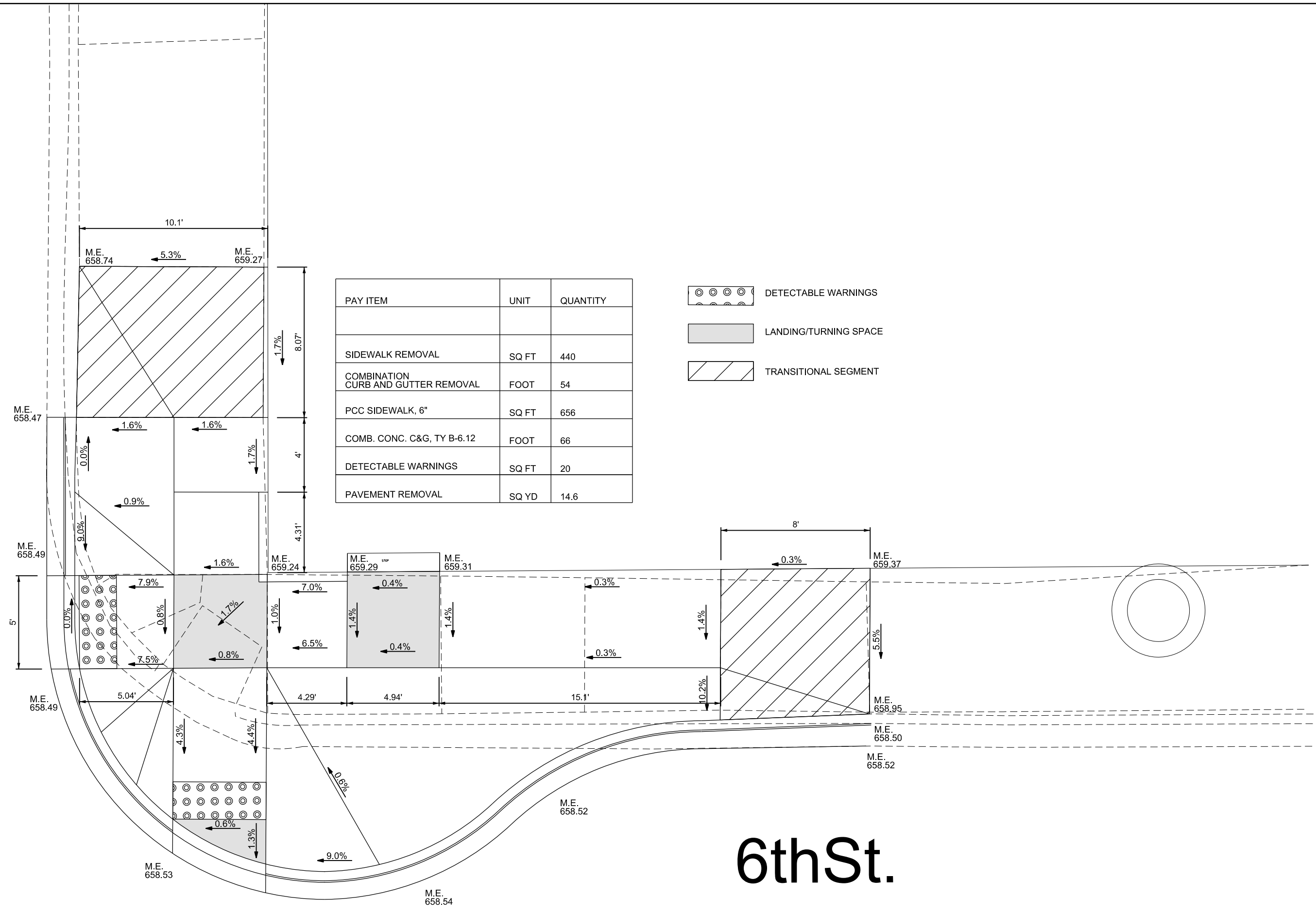
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 74693	

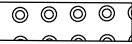

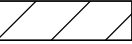
* CUMBERLAND, SHELBY



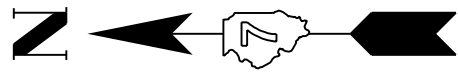
U.S. 45



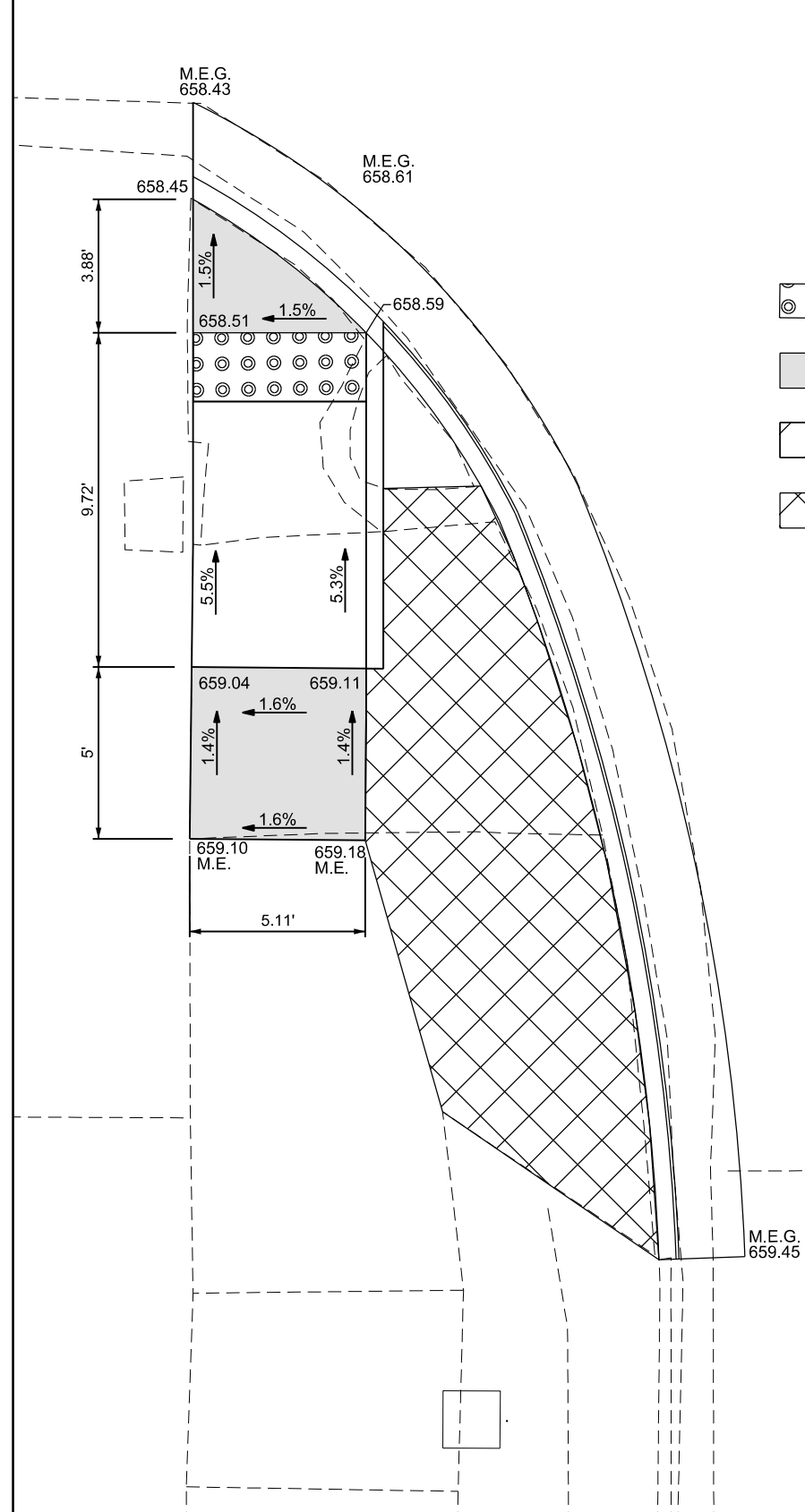
PAY ITEM	UNIT	QUANTITY
SIDEWALK REMOVAL	SQ FT	440
COMBINATION CURB AND GUTTER REMOVAL	FOOT	54
PCC SIDEWALK, 6"	SQ FT	656
COMB. CONC. C&G, TY B-6.12	FOOT	66
DETECTABLE WARNINGS	SQ FT	20
PAVEMENT REMOVAL	SQ YD	14.6

-  DETECTABLE WARNINGS
-  LANDING/TURNING SPACE
-  TRANSITIONAL SEGMENT

6th St.



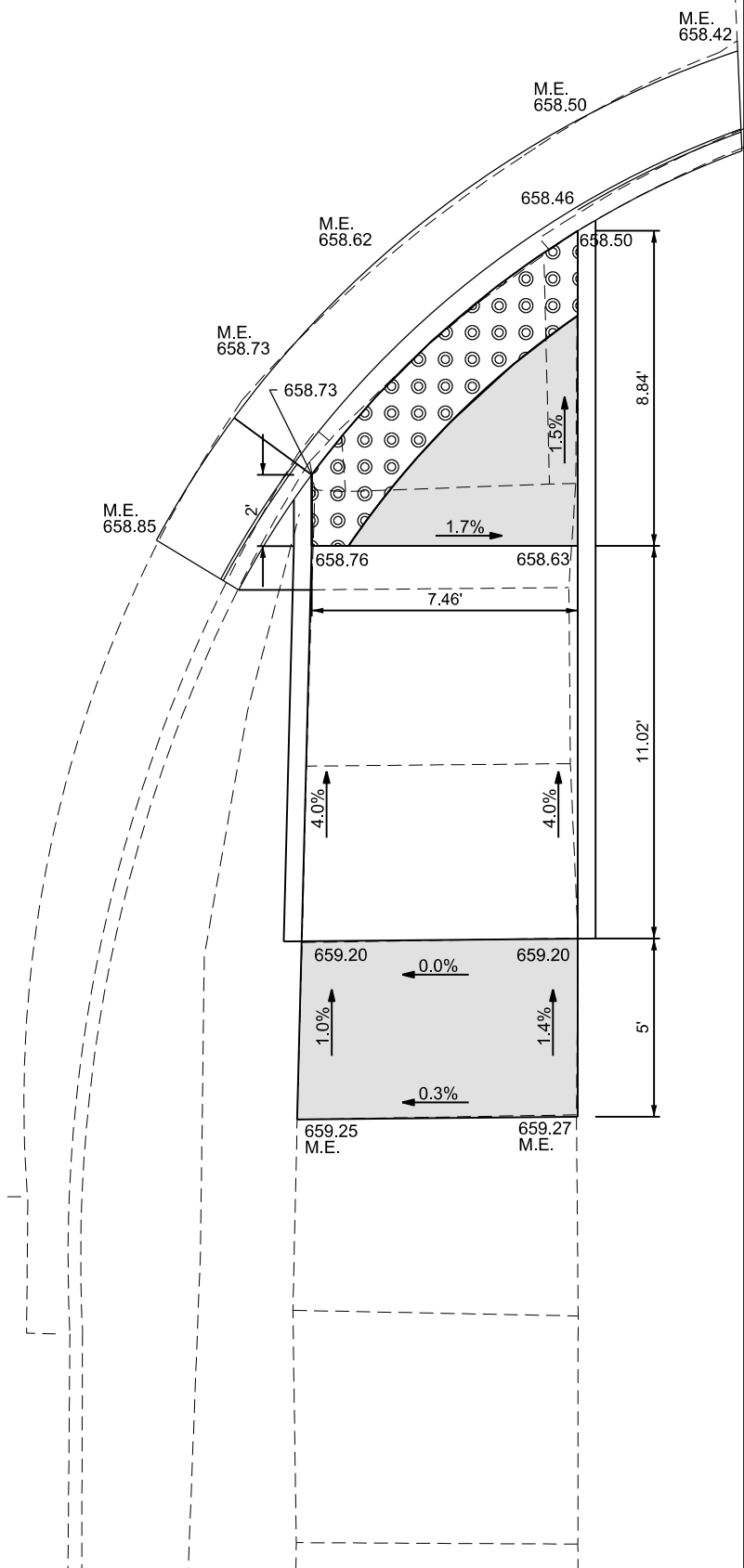
U.S. 45



- DETECTABLE WARNINGS
- LANDING/TURNING SPACE
- TRANSITIONAL SEGMENT
- DRIVEWAY REMOVAL

PAY ITEM	UNIT	QUANTITY	
		NW	SW
SIDEWALK REMOVAL	SQ FT	98	89
COMBINATION CURB AND GUTTER REMOVAL	FOOT	37	16
DRIVEWAY PAVEMENT REMOVAL	SQ YD	13.0	0
COMB. CONC. C&G, TY B-6.24	FOOT	37	16
DETECTABLE WARNINGS	SQ FT	10.2	20.4
PCC SIDEWALK, 6"	SQ FT	102	96

6th St.



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	PLOT DATE = 11/16/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

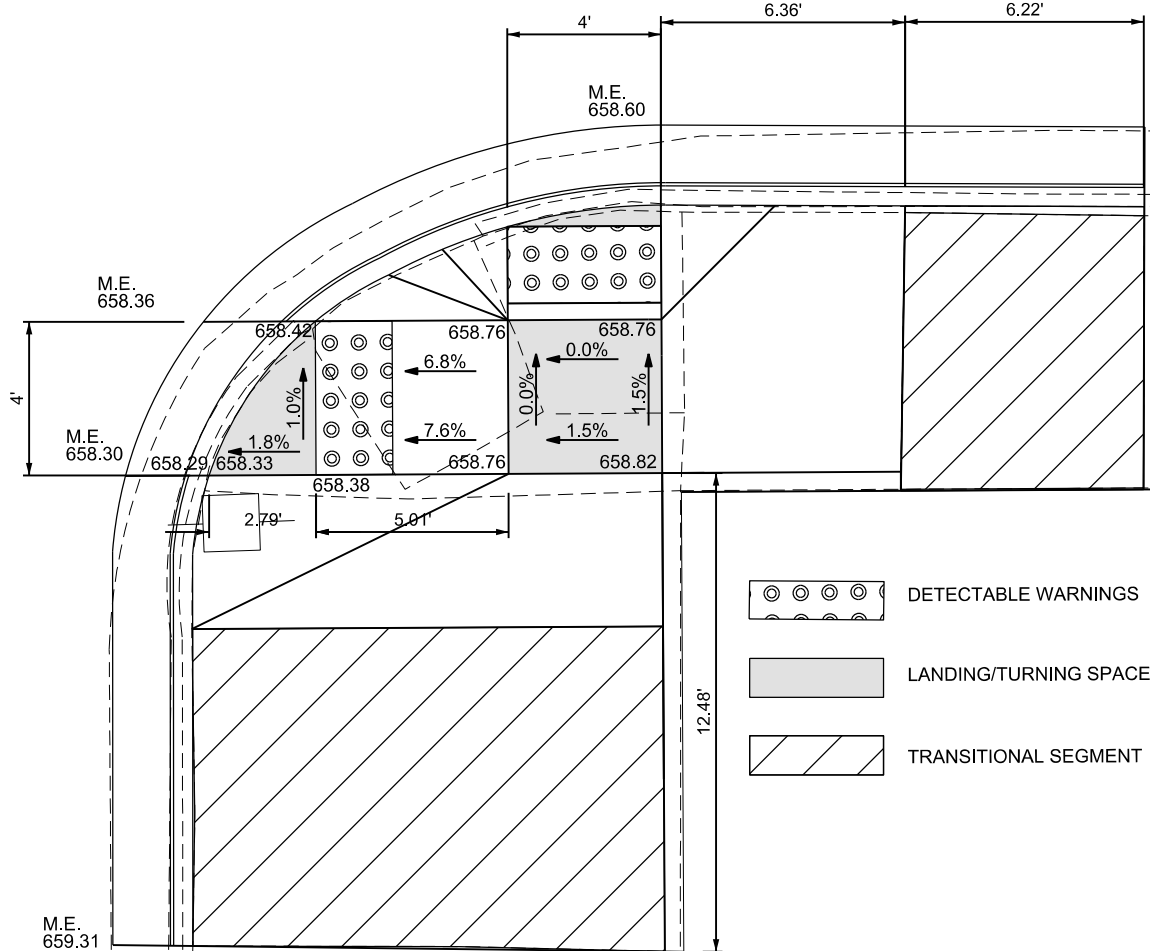
NEOGA ADA RAMPS: 6TH ST.




SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4		33	21
CONTRACT NO. 74693			ILLINOIS FED. AID PROJECT	

6th St.

U.S. 45



-  DETECTABLE WARNINGS
-  LANDING/TURNING SPACE
-  TRANSITIONAL SEGMENT

PAY ITEM	UNIT	QUANTITY
SIDEWALK REMOVAL	SQ FT	311
COMBINATION CURB AND GUTTER REMOVAL	FOOT	41
PCC SIDEWALK, 6"	SQ FT	311
COMB. CONC. C&G, TY B-6.12	FOOT	41
DETECTABLE WARNINGS	SQ FT	16

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
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	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NEOGA ADA RAMPS: 6TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74693	

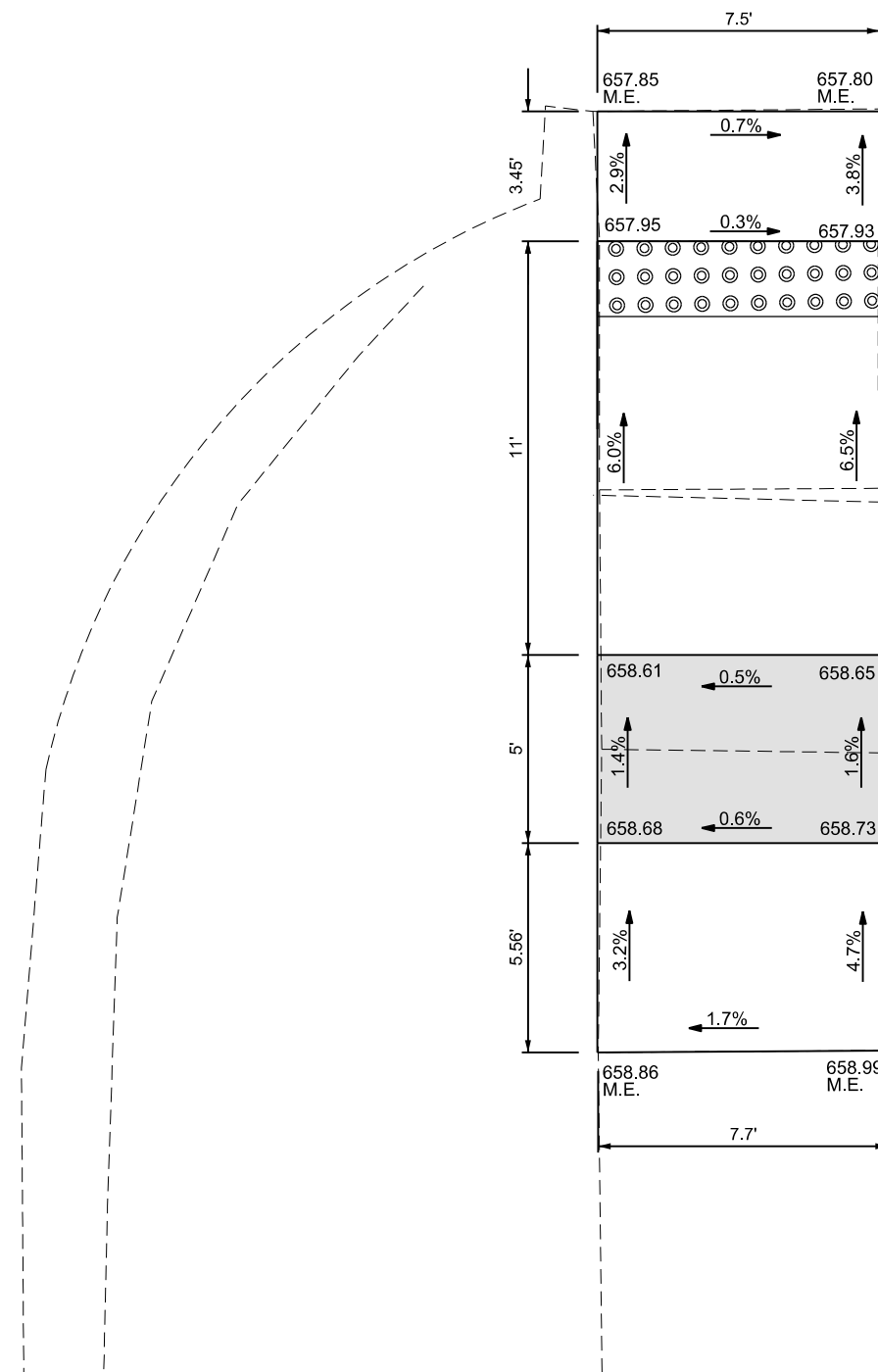
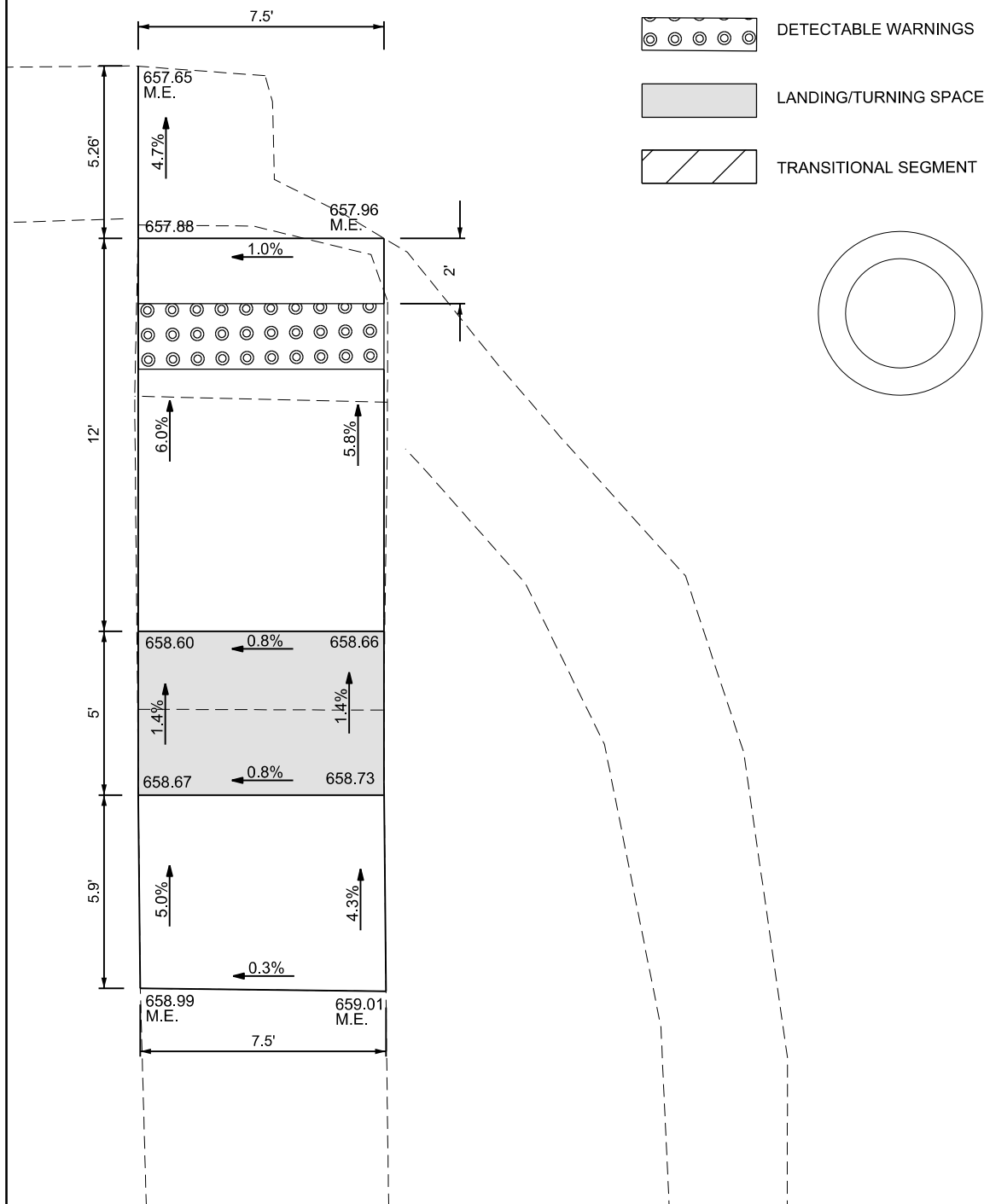


U.S. 45

- DETECTABLE WARNINGS
- LANDING/TURNING SPACE
- TRANSITIONAL SEGMENT

PAY ITEM	UNIT	QUANTITY	
		NW	SW
SIDEWALK REMOVAL	SQ FT	175	189
DETECTABLE WARNINGS	SQ FT	15	15
PCC SIDEWALK, 6"	SQ FT	212	190

7th St.



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 7\Projects\74693\Drawings\CAD\Drawings\74693-sht-neogaada		DRAWN -	REVISED -
Default	PLOT SCALE = 5.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

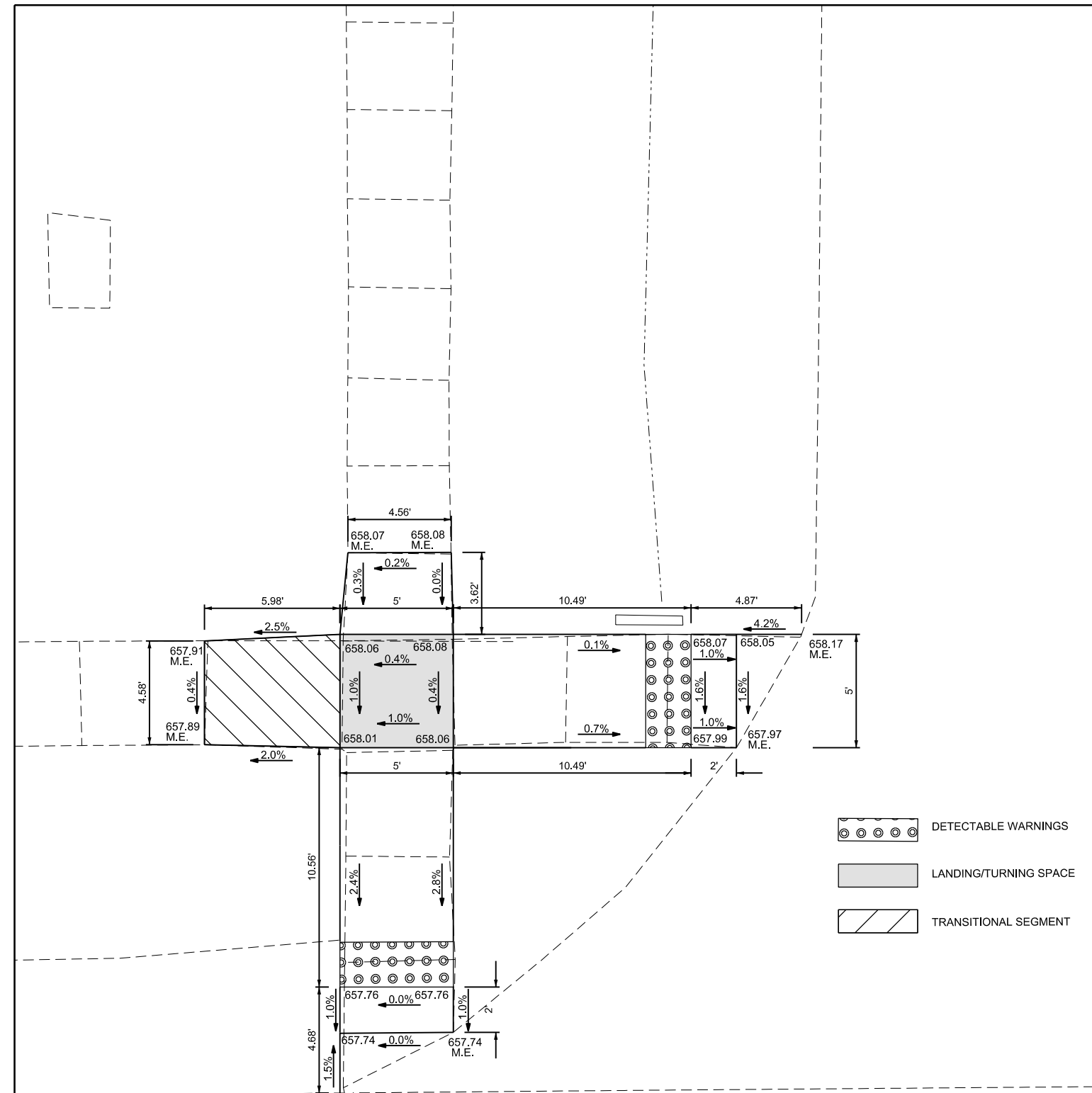
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEOGA ADA RAMPS: 7TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

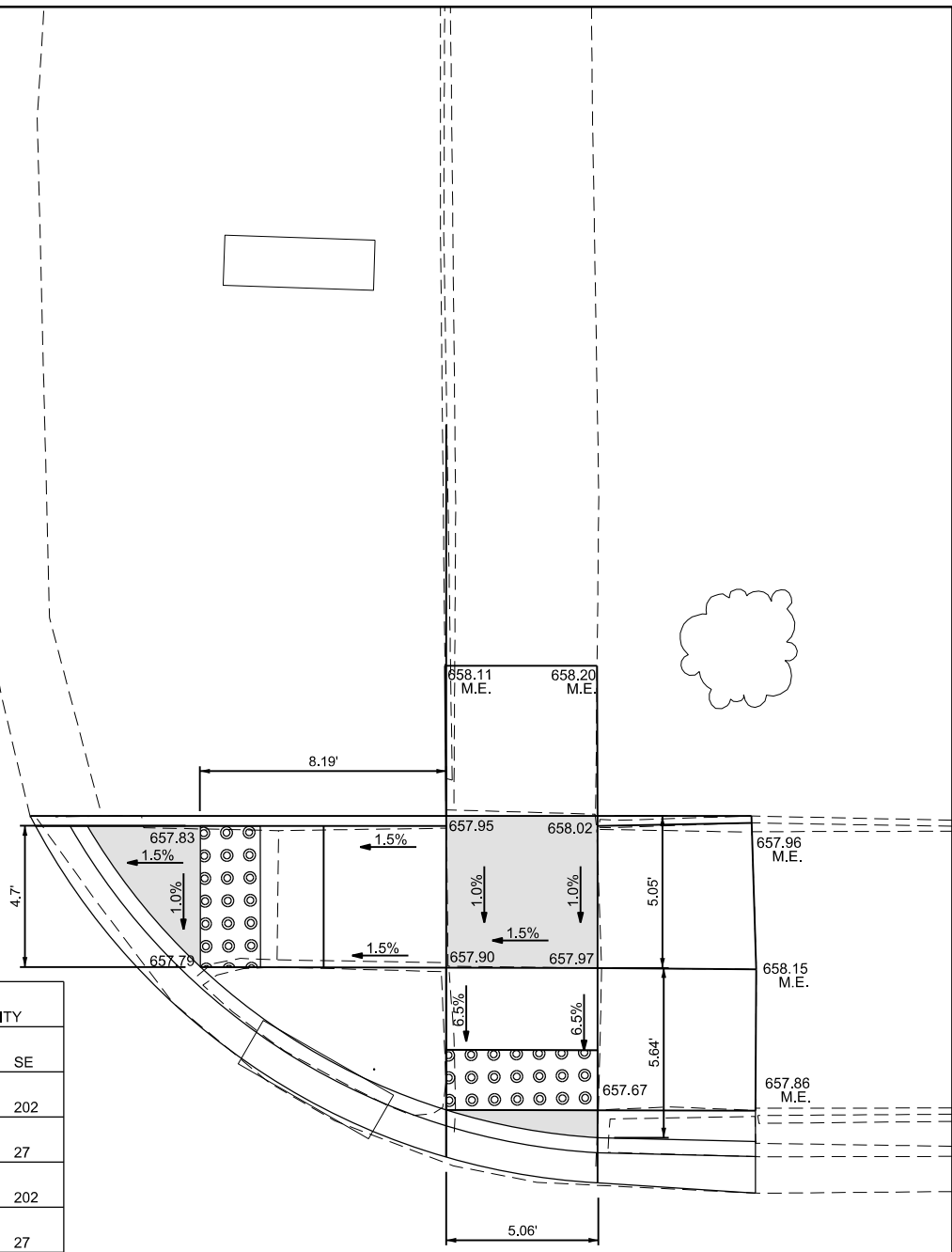
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4		33	23
CONTRACT NO. 74693				

ILLINOIS FED. AID PROJECT
CUMBERLAND, SHELBY



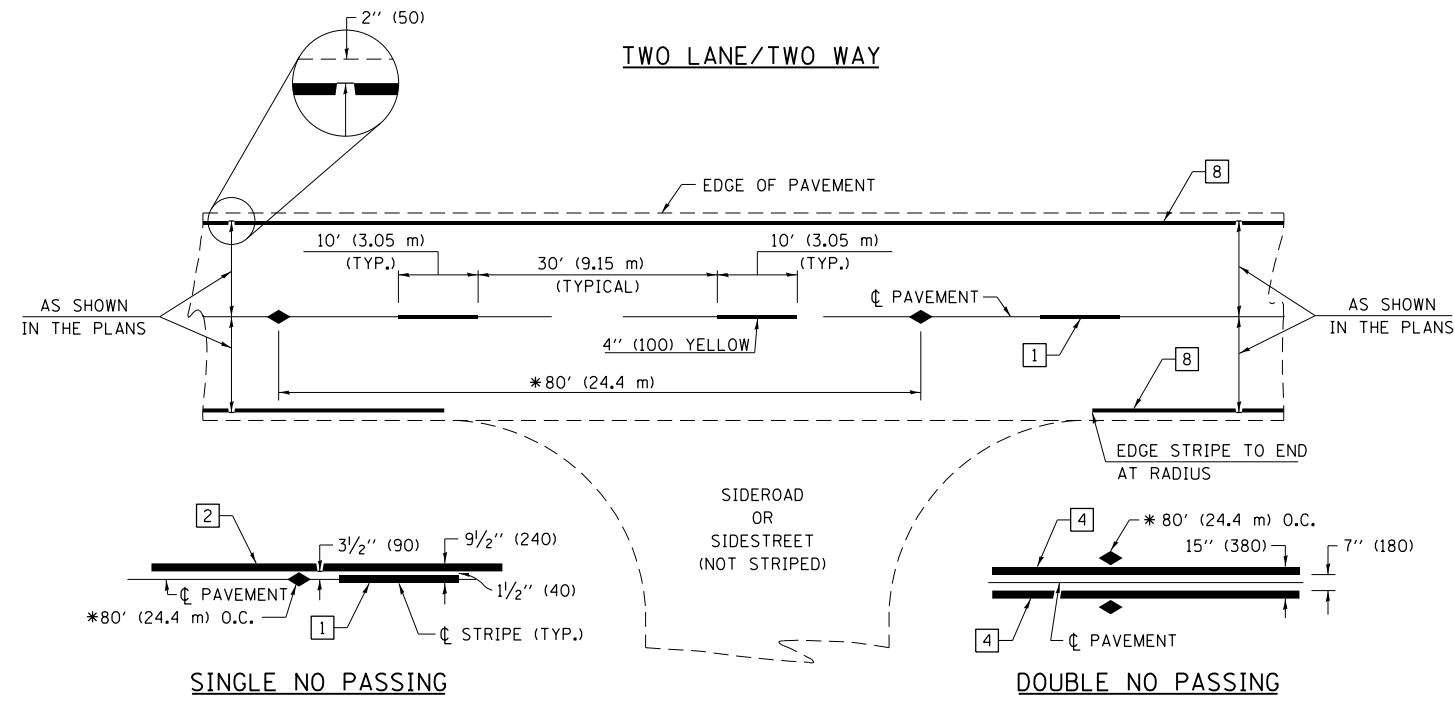
7th St.

PAY ITEM	UNIT	QUANTITY	
		NE	SE
SIDEWALK REMOVAL	SQ FT	222	202
COMBINATION CURB AND GUTTER REMOVAL	FOOT	0	27
PCC SIDEWALK, 6"	SQ FT	100	202
COMB. CONC. C&G, TY B-6.12	FOOT	0	27
DETECTABLE WARNINGS	SQ FT	20	19.5



- DETECTABLE WARNINGS
- LANDING/TURNING SPACE
- TRANSITIONAL SEGMENT

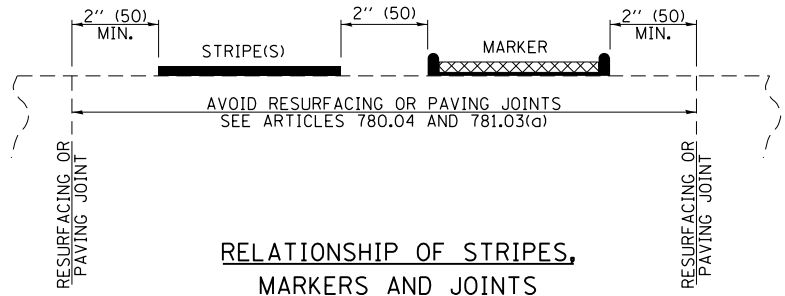
U.S. 45



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

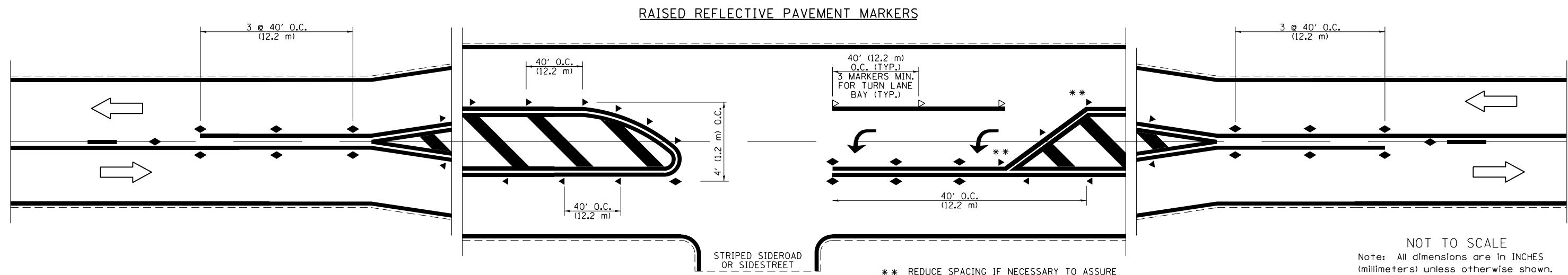
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE



TYPICAL PAVEMENT MARKERS LEGEND

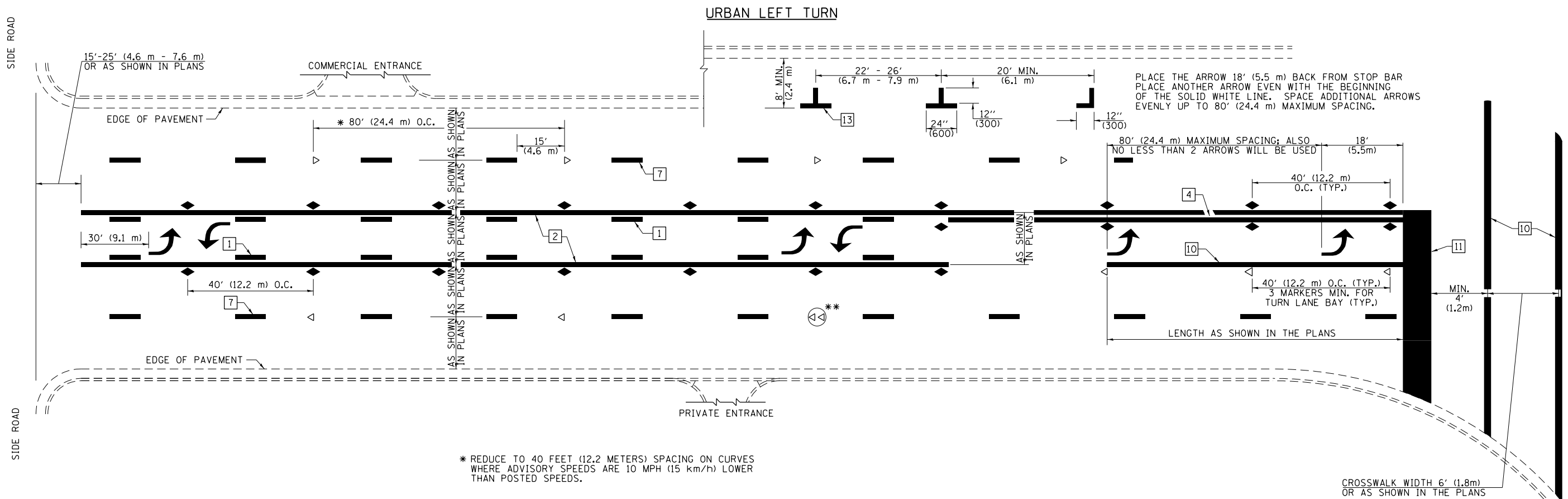
- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74693\Drawings\CABsheets\0774693-sht-striping	DRAWN -	CHECKED -	REVISED -			1652	(13,14,14-1Z)RS-4	*	33	25
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 74693				
	PLOT DATE = 11/16/2016					ILLINOIS FED. AID PROJECT				



* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

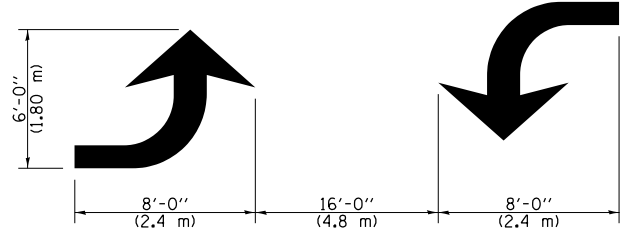
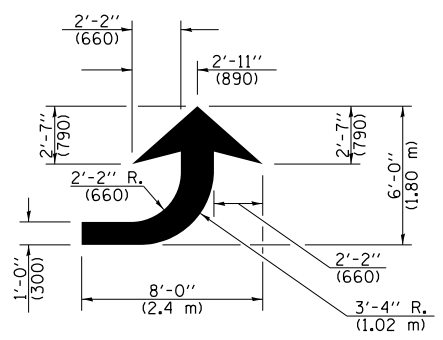
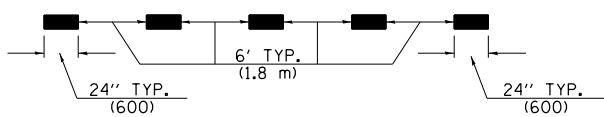
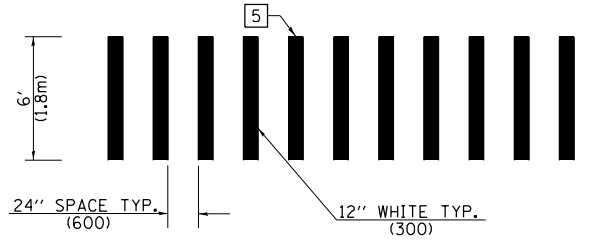
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

GENERAL NOTES

1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



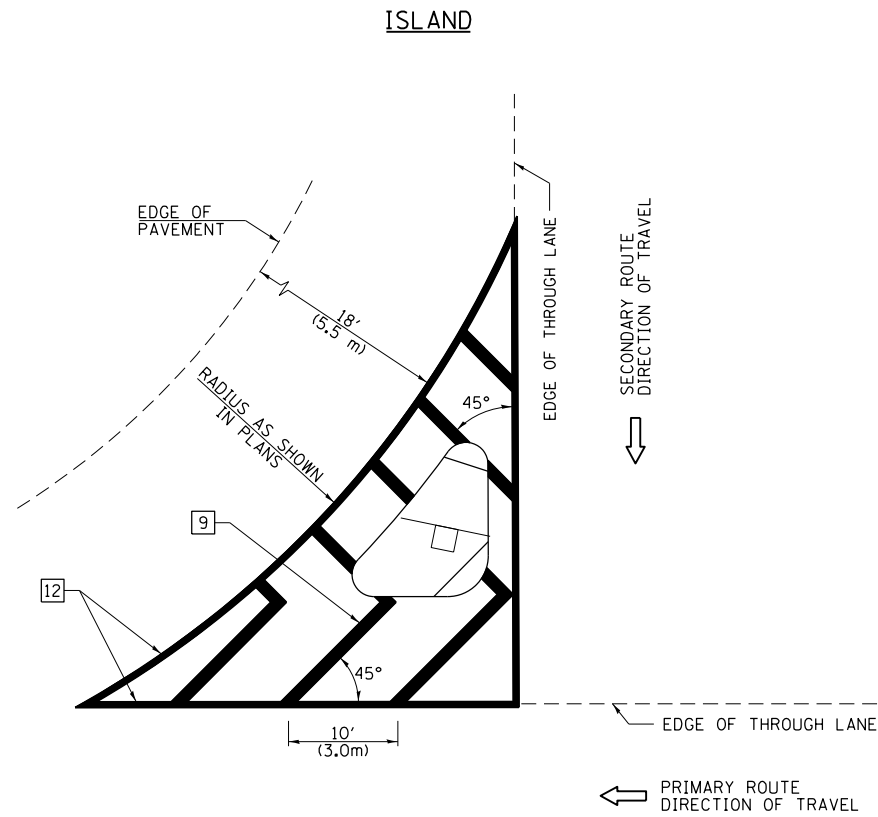
TYPICAL DOUBLE TURN ARROWS (WHITE)

LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74693\Drawings\CABsheets\0774693-sht-01.rpt		CHECKED -	REVISED -					1652	(13,14,14-1Z)RS-4	*	33	26
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 74693				
PLOT DATE = 11/16/2016		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: N/A	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	CUMBERLAND, SHELBY			



GENERAL NOTES

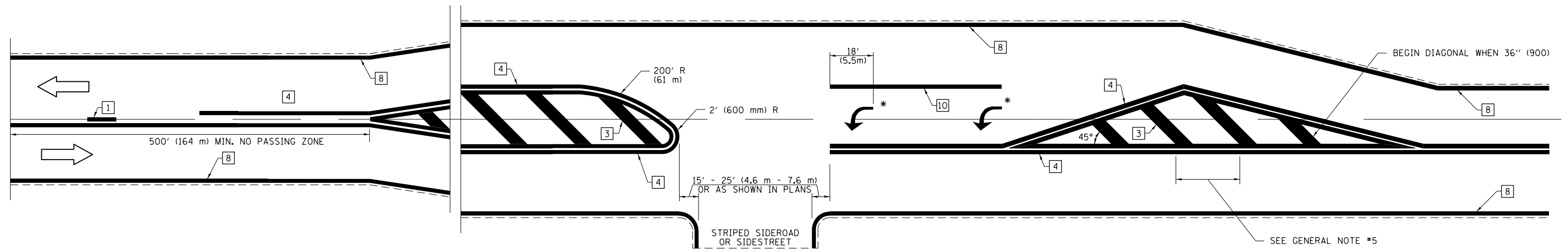
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND

- [1] 4" (100) SKIP-DASH (YELLOW)
 - [2] 4" (100) SOLID (YELLOW)
 - [3] 12" (300) DIAGONAL (YELLOW)
 - [4] 4" (100) DOUBLE YELLOW (NARROW)
 - [5] 12" (300) SOLID WHITE
 - [6] RESERVED
 - [7] 6" (150) SKIP-DASH (WHITE)
 - [8] 4" (100) SOLID (WHITE)
 - [9] 12" (300) DIAGONAL (WHITE)
 - [10] 6" (150) SOLID (WHITE)
 - [11] 24" (600) STOP BAR (WHITE)
 - [12] 8" (200) SOLID (WHITE)
 - [13] 4" (100) PARKING WHITE
-

RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74693\Drawings\CAB\sheets\0774693-sht-str-striping.dwg		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

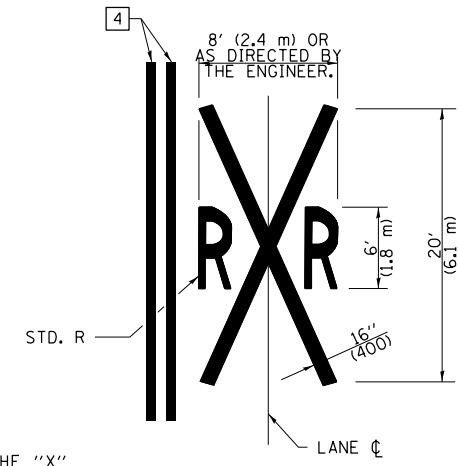
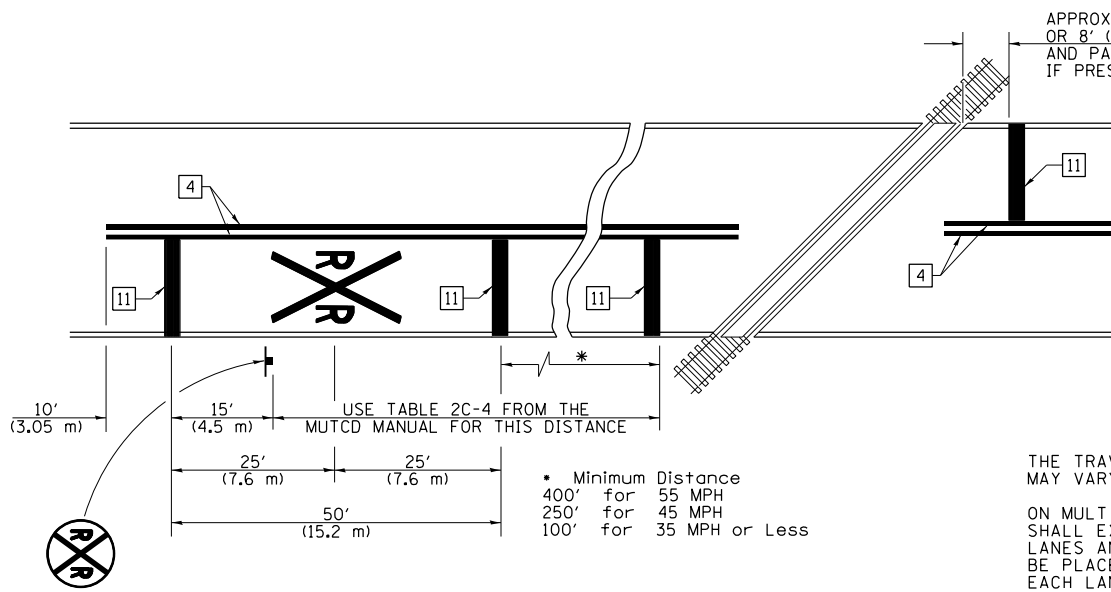
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: N/A SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	27
			CONTRACT NO. 74693	

ILLINOIS FED. AID PROJECT * CUMBERLAND, SHELBY

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

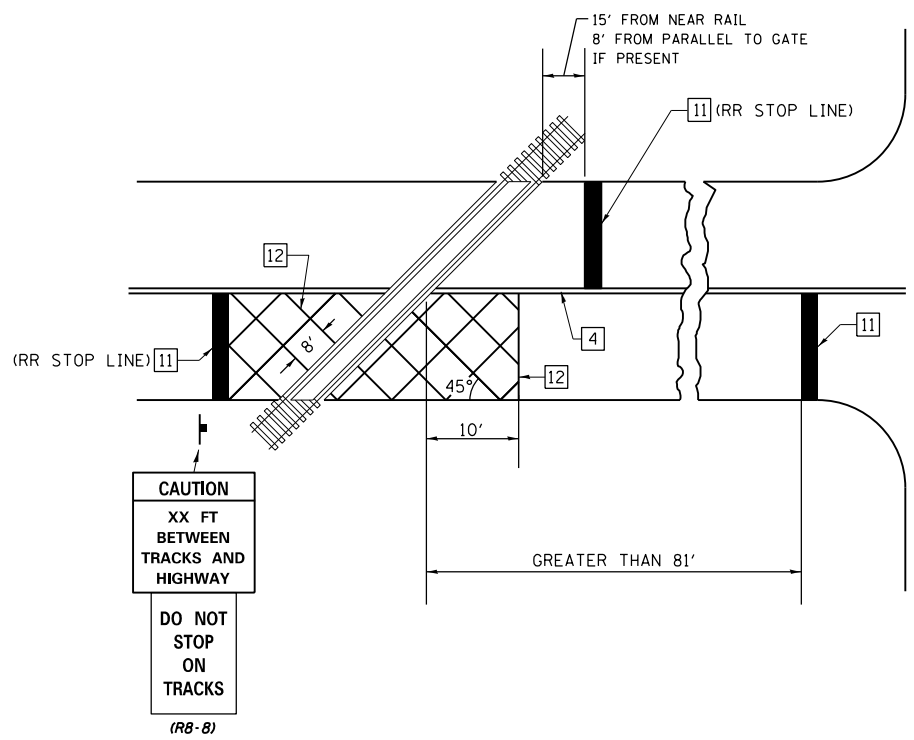
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

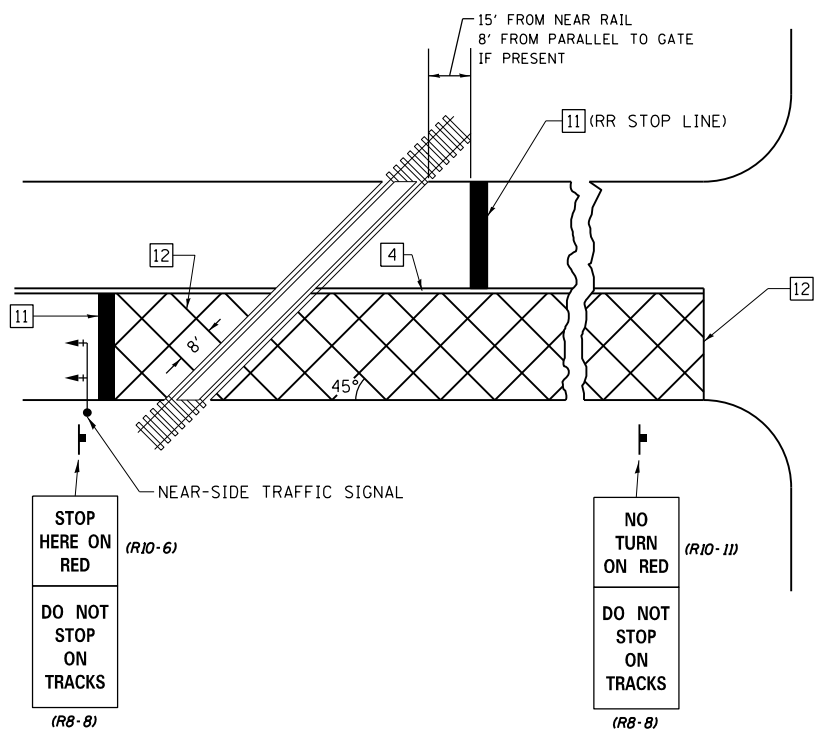
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 RESERVED
 - 7 6" (150) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24" (600) STOP BAR (WHITE)
 - 12 8" (200) SOLID (WHITE)
 - 13 4" (100) PARKING WHITE
-

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

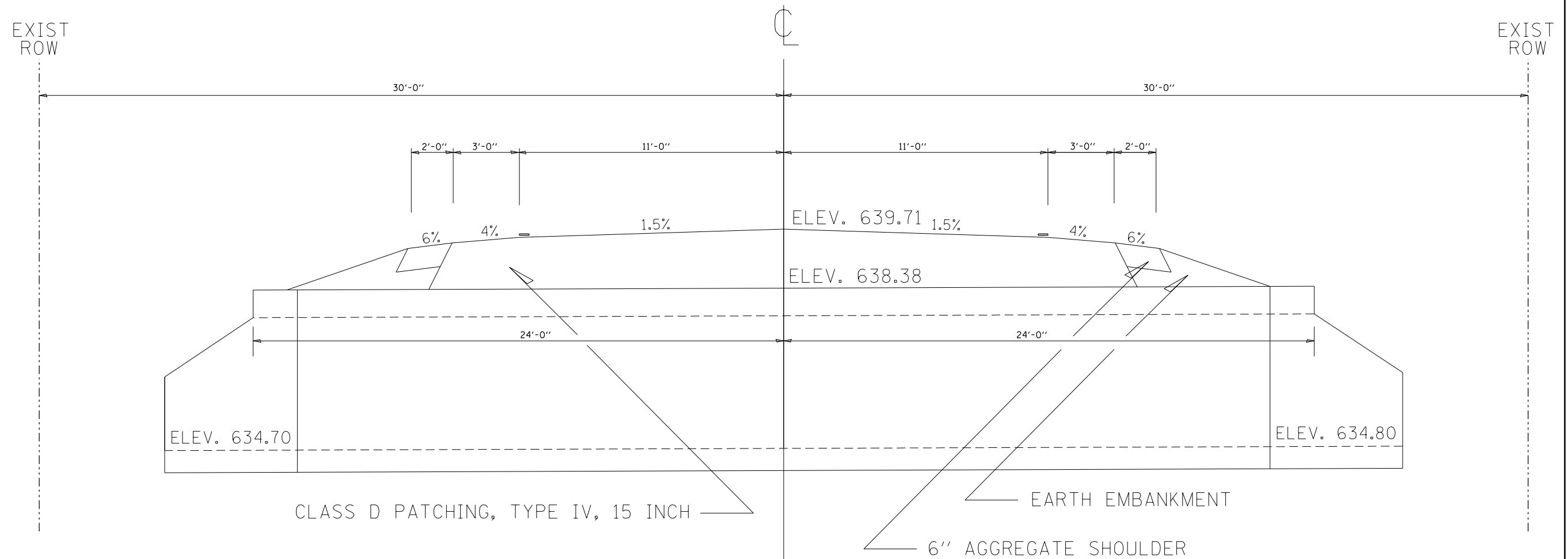
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG.11\inois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74693\DRAWING\CABsheets\0774693-sht-striping.dwg	DATE = 11/16/2016	CHECKED -	REVISED -					1652	(13,14,14-1Z)RS-4	*	33	28
PLOT SCALE = 100.0000' / in.	DATE = 11/16/2016	DATE -	REVISED -					CONTRACT NO. 74693				
								ILLINOIS FED. AID PROJECT				

US 45



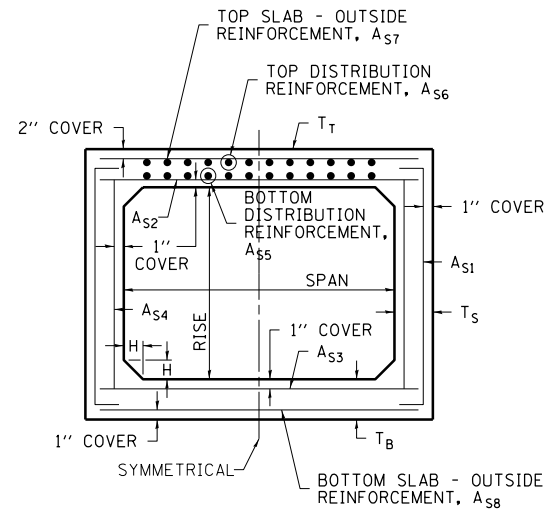
NOTE: EXISTING 3' X 3' X 46.5' BENCHMARK LOCATION
 CUT SQUARE ON THE TOP CENTER OF EAST HEADWALL
 23' EAST OF THE CENTERLINE OF US 45 AT STA 443+70 = 638.50

STATION 443+70
 LOOKING NORTH
 PROPOSED 4' X 3' PRECAST CONCRETE BOX CULVERT

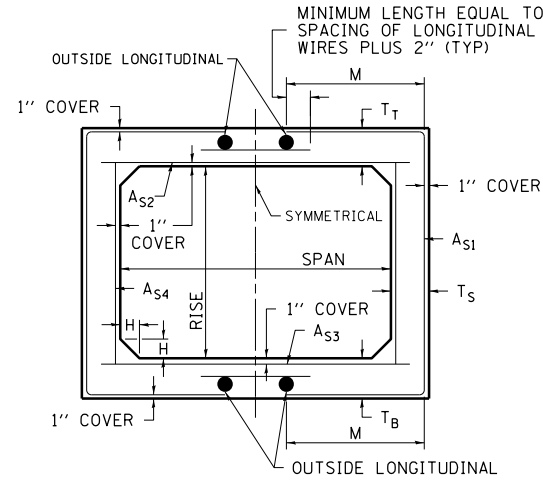
NOTE: EARTH EXCAVATION, GRADING AND CLASS 2 SEEDING AT EACH PROPOSED CULVERT END SECTION SHALL BE INCLUDED IN THE COST OF THE NEW 4' X 3' PRECAST CONCRETE BOX CULVERT. AN ESTIMATED QUANTITY OF 29 SQ YD OF CLASS A4 RIPRAP SHALL BE PLACED AT THE PROPOSED END SECTIONS AS DIRECTED BY THE ENGINEER.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74693\DRAWING\CAD\Sheets\0774693-sht-culvert.dwg						1652	(13,14,14-1Z)RS-4	*	33	29
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS		STA.	TO STA.	
	PLOT DATE = 11/16/2016	DATE -	REVISED -						ILLINOIS FED. AID PROJECT	

DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION ASTM C1577



FILL HEIGHT LESS THAN 2'



FILL HEIGHT 2' AND GREATER

**DESIGN LOADING:
COMBINED EARTH DEAD LOAD
AND AASHTO HL-93 LIVE LOAD**

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS, AND THE CURRENT POLICY MEMORANDUM "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS."

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A_{s1} , A_{s2} , A_{s3} , A_{s4} , A_{s5} , A_{s6} , A_{s7} , AND A_{s8} , DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASTM C1577. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55 (A185) OR M221 (A497), OR REINFORCEMENT BARS, GRADE 60, CONFORMING TO A706.

LIFTING HOLES SHALL BE FILLED IN ACCORDANCE WITH 540.06 OR PROJECT SPECIAL PROVISIONS.

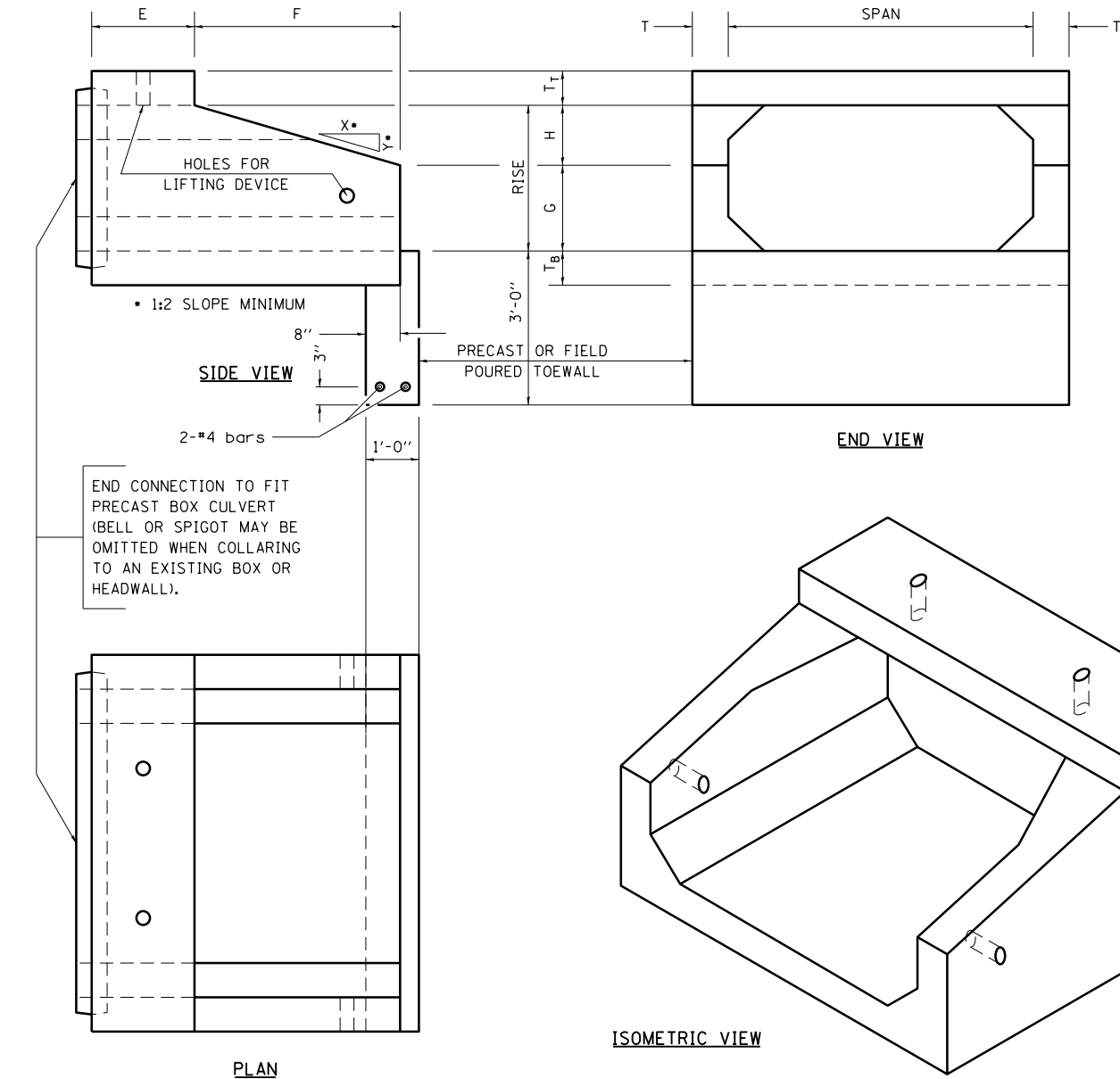
DESIGN FILL HEIGHT (F):

MAXIMUM FILL HEIGHT (f_{max}) AND MINIMUM FILL HEIGHT (f_{min}) ARE MEASURED BETWEEN THE EXTREME EDGES OF SHOULDER. DESIGN FILL HEIGHTS APPLY TO ENTIRE CULVERT, INCLUDING EXTENSIONS AND END SECTIONS.

Standard Sizes							
Span (ft)	x	Rise (ft)	Design Earth Cover (ft)	T_s (in)	T_t (in)	T_b (in)	Max Earth Cover (ft)
3	x	2	0 < 2	4	7	6	N/A
3	x	2	≥ 2	4	4	4	35
3	x	3	0 < 2	4	7	6	N/A
3	x	3	≥ 2	4	4	4	35
4	x	2	0 < 2	5	7.5	6	N/A
4	x	2	≥ 2	5	5	5	30
4	x	3	0 < 2	5	7.5	6	N/A
4	x	3	≥ 2	5	5	5	30
4	x	4	0 < 2	5	7.5	6	N/A
4	x	4	≥ 2	5	5	5	30
5	x	3	0 < 2	6	8	7	N/A
5	x	3	≥ 2	6	6	6	30
5	x	4	0 < 2	6	8	7	N/A
5	x	4	≥ 2	6	6	6	30
5	x	5	0 < 2	6	8	7	N/A
5	x	5	≥ 2	6	6	6	30
6	x	3	0 < 2	7	8	7	N/A
6	x	3	≥ 2	7	7	7	30
6	x	4	0 < 2	7	8	7	N/A
6	x	4	≥ 2	7	7	7	30
6	x	5	0 < 2	7	8	7	N/A
6	x	5	≥ 2	7	7	7	30
6	x	6	0 < 2	7	8	7	N/A
6	x	6	≥ 2	7	7	7	30
7	x	4	≤ 30	8	8	8	30
7	x	5	≤ 30	8	8	8	30
7	x	6	≤ 30	8	8	8	30
7	x	7	≤ 30	8	8	8	30
8	x	4	≤ 20	8	8	8	20
8	x	5	≤ 20	8	8	8	20
8	x	6	≤ 20	8	8	8	20
8	x	7	≤ 20	8	8	8	20
8	x	8	≤ 20	8	8	8	20
9	x	5	≤ 25	9	9	9	25
9	x	6	≤ 25	9	9	9	25
9	x	7	≤ 20	9	9	9	20
9	x	8	≤ 20	9	9	9	20
9	x	9	≤ 20	9	9	9	20
10	x	5	≤ 25	10	10	10	25
10	x	6	≤ 25	10	10	10	25
10	x	7	≤ 25	10	10	10	25
10	x	8	≤ 20	10	10	10	20
10	x	9	≤ 20	10	10	10	20
10	x	10	≤ 20	10	10	10	20
11	x	4	≤ 25	11	11	11	25
11	x	6	≤ 25	11	11	11	25
11	x	8	≤ 25	11	11	11	25
11	x	10	≤ 20	11	11	11	20
11	x	11	≤ 20	11	11	11	20
12	x	4	≤ 25	12	12	12	25
12	x	6	≤ 25	12	12	12	25
12	x	8	≤ 25	12	12	12	25
12	x	10	≤ 25	12	12	12	25
12	x	12	≤ 20	12	12	12	20

NOTE: T_s , T_t and T_b are minimums, per ASTM C1577.

* "T" MAY BE LARGER THAN SHOWN ON TABLE, PER ASTM C1577 SPECIFICATIONS.



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED - JEH 06-01
		DRAWN -	REVISED - MKS 09-08
		CHECKED -	REVISED - MKS 03-12
		DATE -	REVISED -

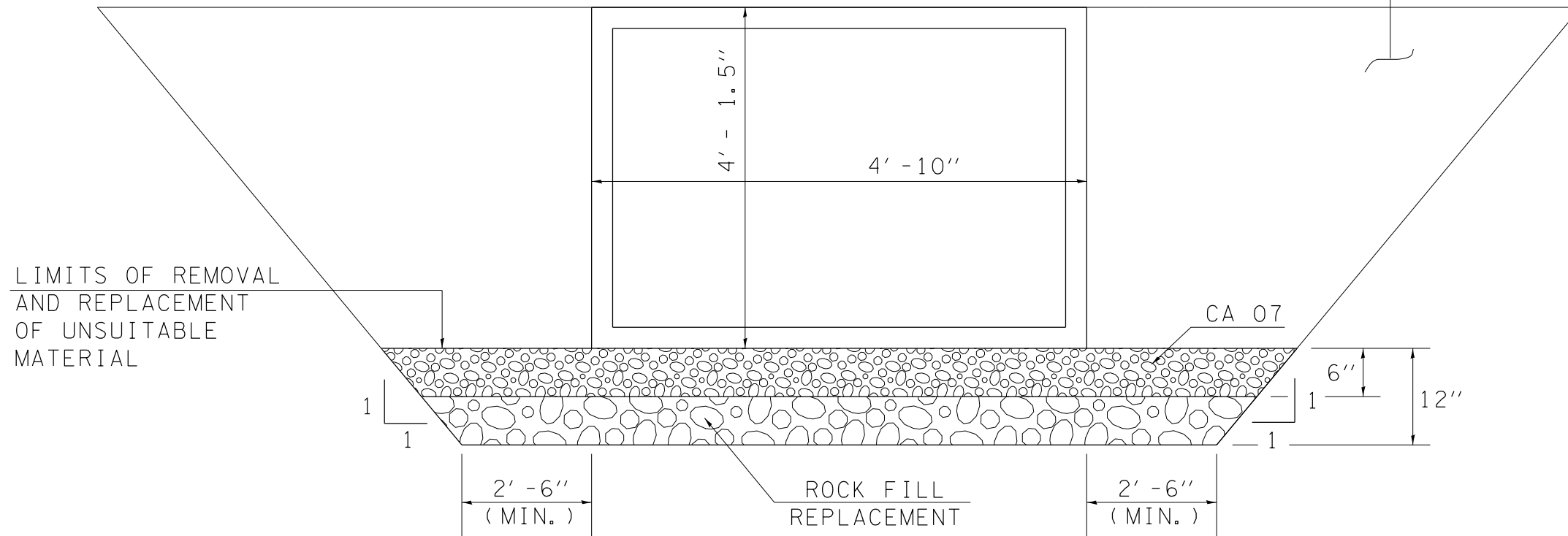
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS OF PRECAST CONCRETE BOX CULVERT END SECTION

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	31
CONTRACT NO. 74693				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

POROUS GRANULAR BACKFILL WITHIN LIMITS OF PROPOSED ROADWAY AND PAVED SHOULDERS. OUTSIDE LIMITS OF PAVED SHOULDERS THE CULVERT SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 502 OF THE STANDARD SPECIFICATIONS.



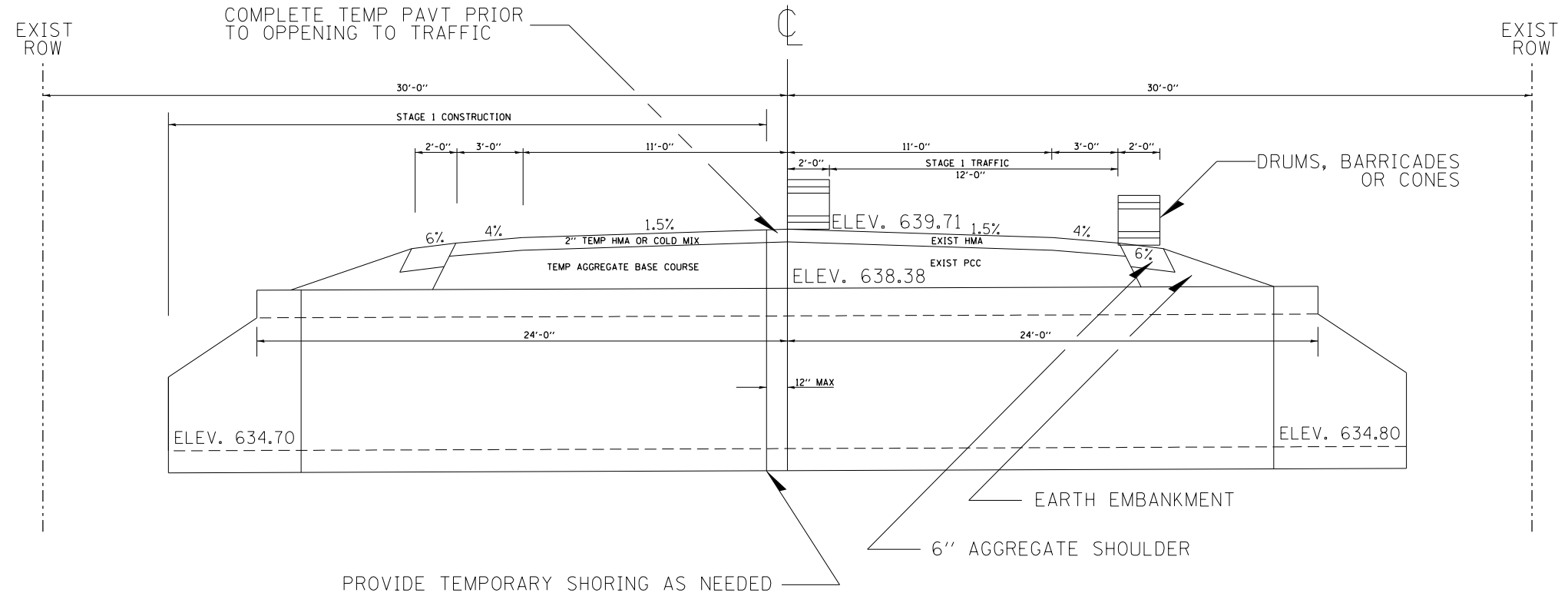
NOTE:
THE COST OF THE CA 07 PLACE UNDER THE NEW BOX CULVERT AS SHOWN ABOVE SHALL BE INCLUDED IN THE COST OF PRECAST CONCRETE BOX CULVERTS 4' X 3'.

NOTE:
THE LIMITS AND QUANTITIES SHOWN ARE ESTIMATED. THE FINAL DEPTH OF UNDERCUT WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

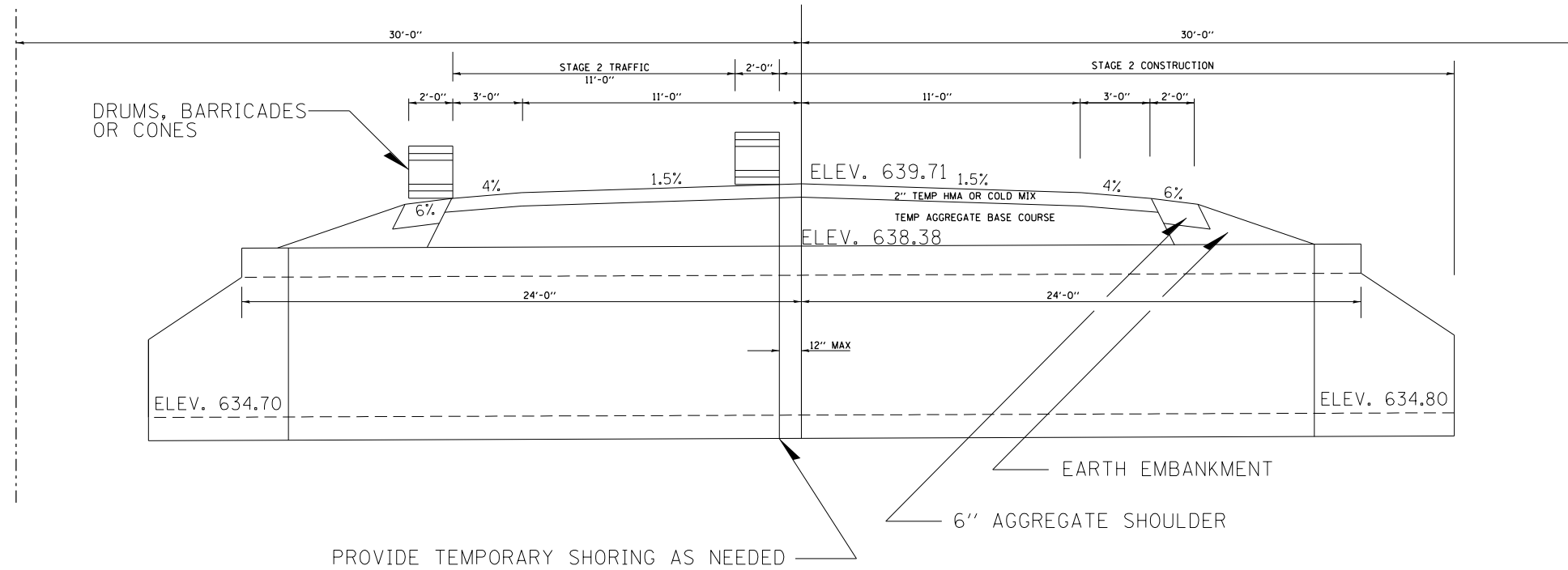
CULVERT UNDERCUT DETAIL

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74693\Drawings\CAD\Drawings\74693-sh1-culvert.dwg	DRAWN -	REVISOR -	REVISOR -					1652	(13,14,14-1Z)RS-4	*	33	32
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -		CONTRACT NO. 74693			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 11/16/2016	DATE -	REVISOR -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	* CUMBERLAND, SHELBY

STAGE 1



STAGE 2



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74693\Drawings\CAD\Sheets\0774693-sht-staging-01.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BOX CULVERT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1652	(13,14,14-1Z)RS-4	*	33	33
CONTRACT NO. 74693			ILLINOIS FED. AID PROJECT	