

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D7 PATCHING 2017-3	**	21	1
		ILLINOIS	CONTRACT NO. 74771	
		* 320 & 762, FAS 2716	** MOULTRIE & EFFINGHAM	

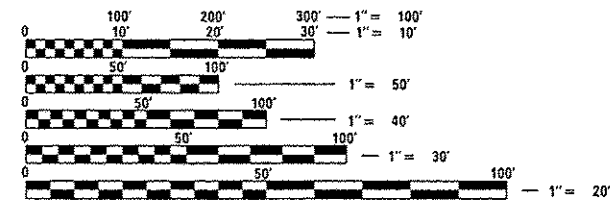
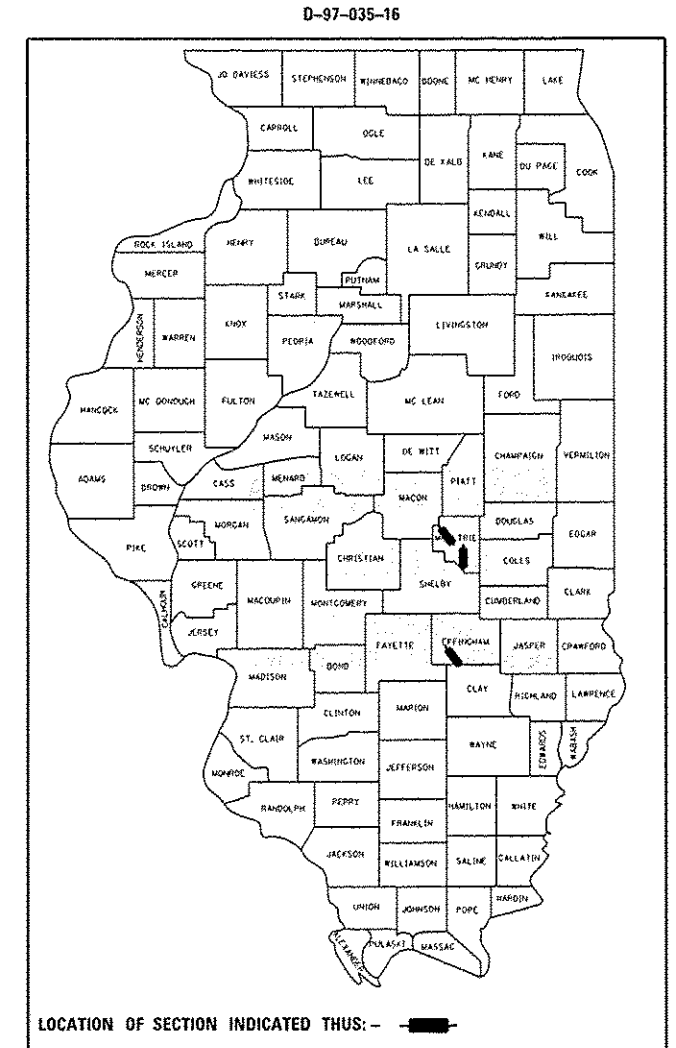
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 5000 (2015) IL 121
ADT = 3950 (2015) IL 32
ADT = 900 (2013) CH 29

**PROPOSED
HIGHWAY PLANS**
VARIOUS ROUTES
(FAP ROUTE 320 & 762, FAS 2716)
SECTION D7 PATCHING 2017-3

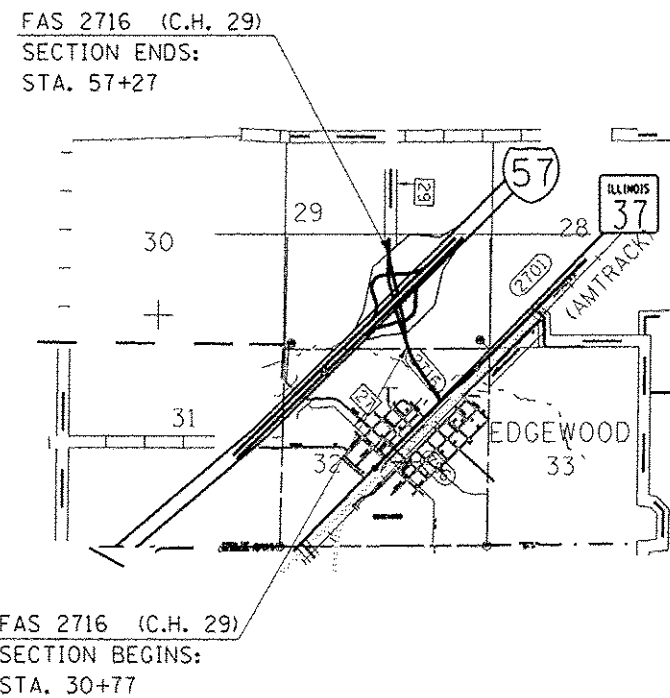
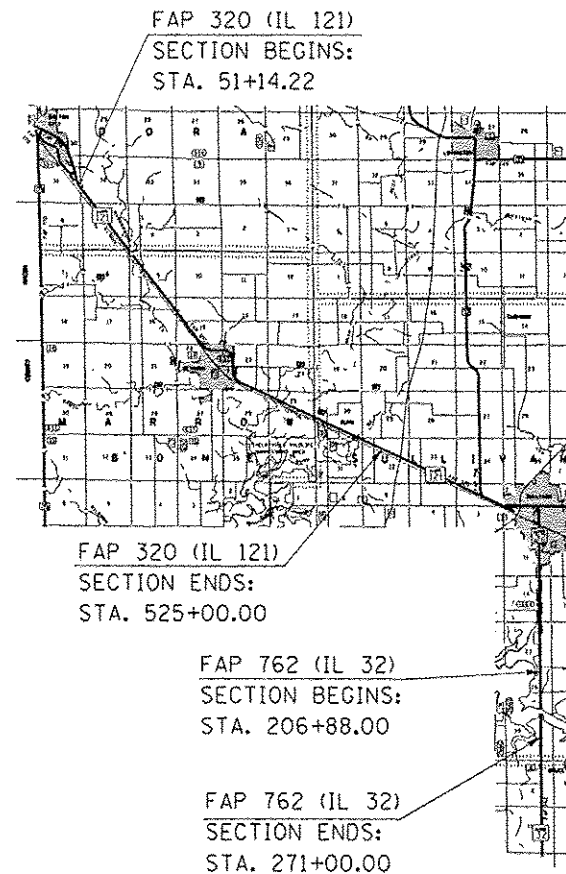
**PATCHING AND UNDERDRAINS
MOULTRIE & EFFINGHAM COUNTY**

C-97-066-16



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



PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: MATT BOWER

CONTRACT NO. 74771

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED November 3 2016
Jeffrey M. South REGIONAL ENGINEER

Dec 9 2016
Maureen M. Addis, P.E. ENGINEER OF DESIGN AND ENVIRONMENT

Dec 9 2016
[Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3	LOCATION MAPS
4	SUMMARY OF QUANTITIES
5-9	TYPICAL CROSS SECTIONS
10-13	SCHEDULE OF QUANTITIES
14-17	PLAN SHEETS
18-21	PAVEMENT MARKING 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
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON FAP ROUTE 320 (IL 121) AND FAP ROUTE 762 (IL 32) IN MOULTRIE COUNTY AND FAS 2716 (CH 29) IN EFFINGHAM COUNTY. INCLUDED IN SECTION D7 PATCHING 2017-3 IS CLASS D PATCHING, PIPE UNDERDRAINS, PAVEMENT MARKINGS AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE ACTUAL LOCATIONS OF PAVEMENT PATCHING AND FINAL QUANTITIES SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

IN ADDITIONAL TO THE REQUIREMENTS FOR PORTABLE CHANGEABLE MESSAGE SIGNS IN ARTICLE 701.15(J), A LAPTOP COMPUTER SHALL ALSO BE SUPPLIED BY THE CONTRACTOR.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

FAP 320 (IL 121), PIPE UNDERDRAINS BOTTOM LIFT IS 6 1/2".

MIXTURE USE:	CLASS D PATCHING & PIPE UNDERDRAINS (TOP 1 1/2")
APPLICATION:	HMA SURFACE COURSE, IL 9.5, N90C
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4% @ 90
MIXTURE COMPOSITION:	IL 9.5
FRICITION AGGREGATE:	MIXTURE C

MIXTURE USE:	CLASS D PATCHING & PIPE UNDERDRAINS (BOTTOM LIFT)
APPLICATION:	HMA BINDER COURSE, IL 19.0, N90
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4% @ 90
MIXTURE COMPOSITION:	IL 19.0
FRICITION AGGREGATE:	N/A

FAP 762 (IL 32) & FAS 2716 (CH 29), PIPE UNDERDRAINS BOTTOM LIFT IS 6 1/2".

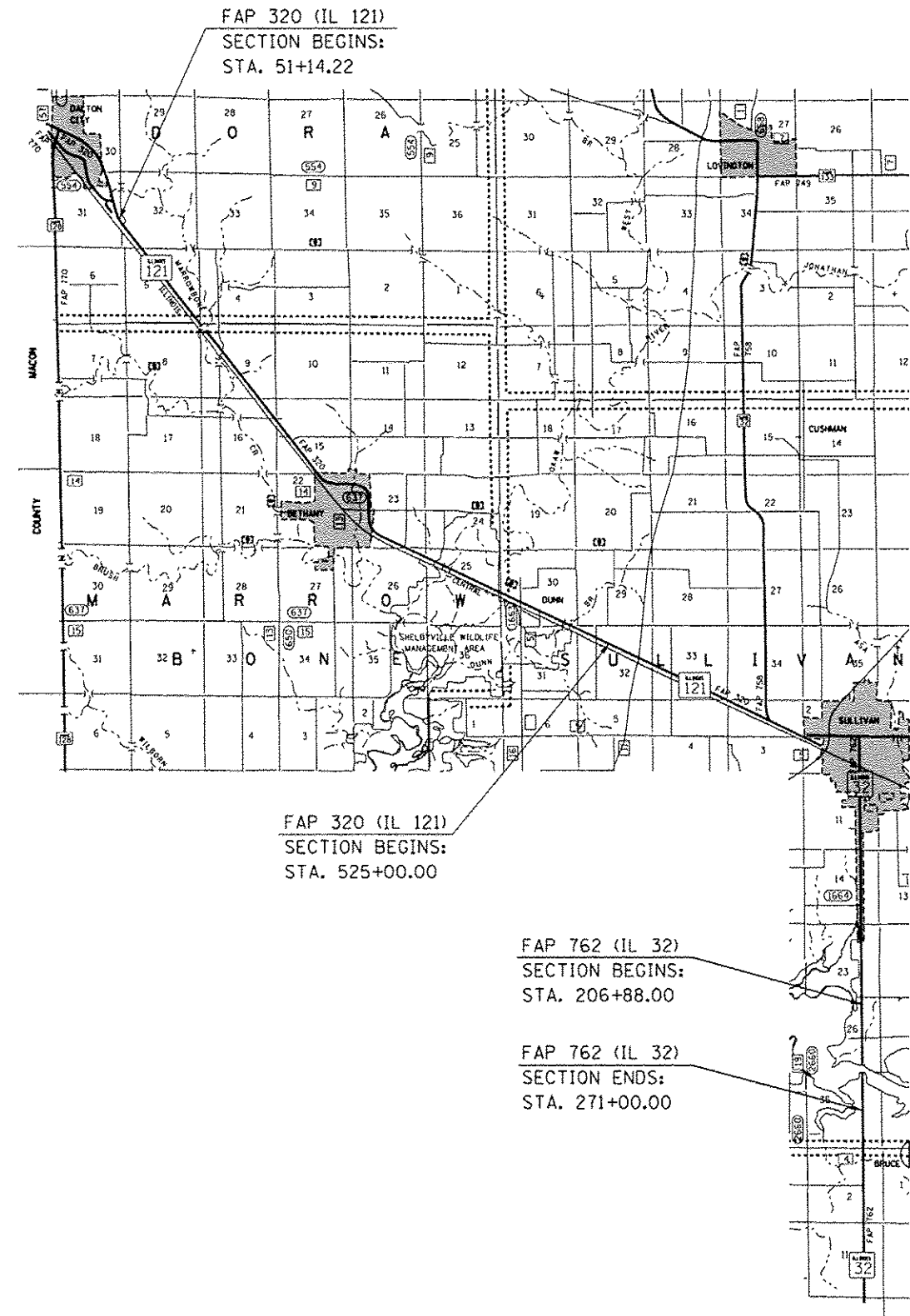
MIXTURE USE:	CLASS D PATCHING & PIPE UNDERDRAINS (TOP 1 1/2")
APPLICATION:	HMA SURFACE COURSE, IL 9.5, N70C
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4% @ 70
MIXTURE COMPOSITION:	IL 9.5
FRICITION AGGREGATE:	MIXTURE C

MIXTURE USE:	CLASS D PATCHING & PIPE UNDERDRAINS (BOTTOM LIFT)
APPLICATION:	HMA BINDER COURSE, IL 19.0, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4% @ 70
MIXTURE COMPOSITION:	IL 19.0
FRICITION AGGREGATE:	N/A

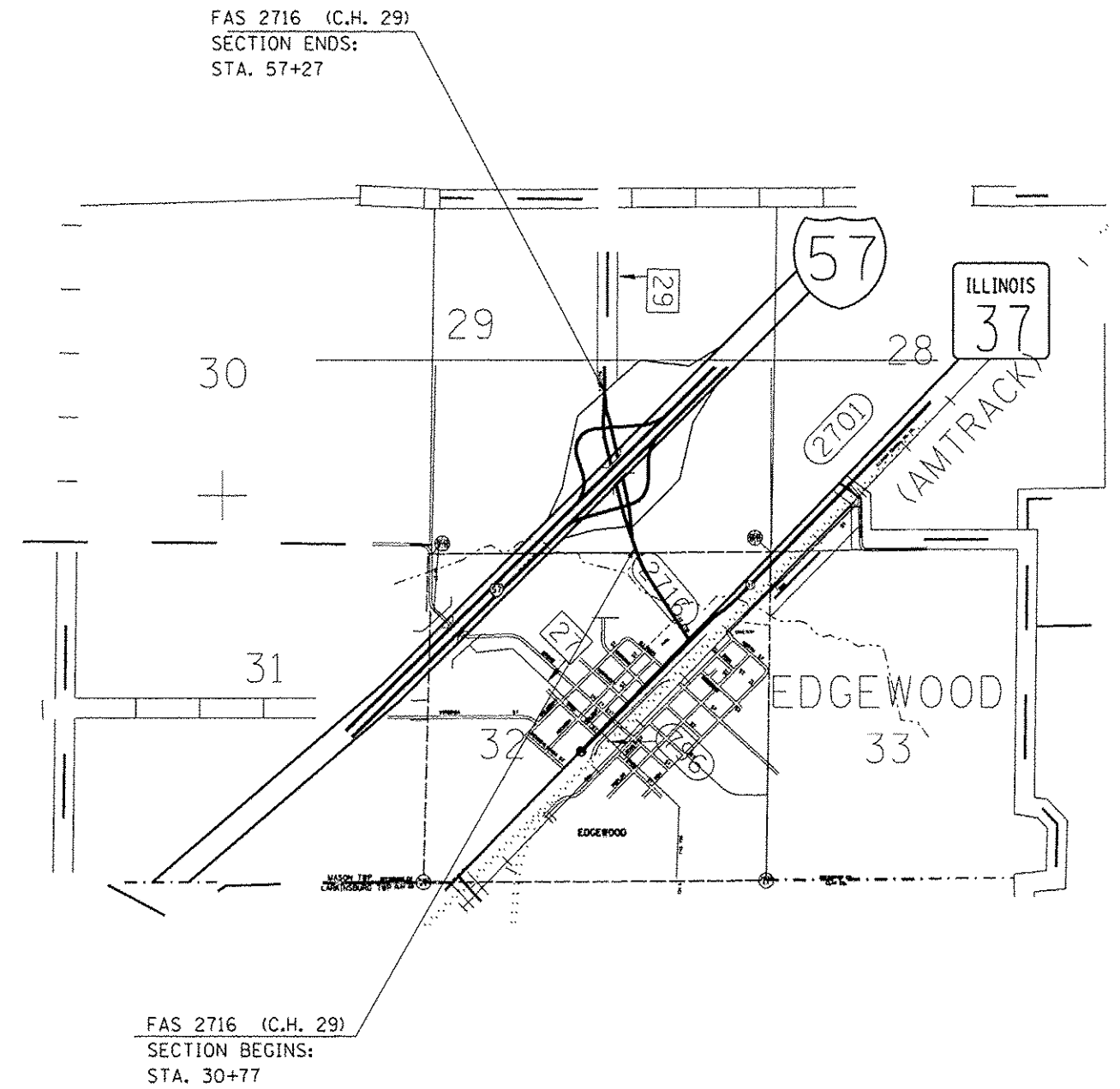
• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME :	USER NAME : seastayck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 11/3/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET OF SHEETS		STA.	TO STA.		

FAP 320 (IL 121) & FAP 762 (IL 32)



FAS 2716 (C.H. 29)



FILE NAME :	USER NAME : toanlejok	DESIGNED -	REVISED -
p:\11\084E810INTEG.illinois.gov\PI00T\Do	uments\DOT Offices\District 7\Projects\74710	ORAW	to\CAM\Sheets\0774771\shs\cover.dg
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Default	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

SCALE: SHEET OF SHEETS STA. TO STA.

• 320 & 762, FAS 2716		** MOUTRIE & EFFINGHAM		
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D7 PATCHING 2017-3	**	21	3
CONTRACT NO. 74771			ILLINOIS FED. AID PROJECT	

100 %
STATE

100 %
STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 IL 121 MOULTIRE CO.	0005 IL 32 MOULTIRE CO.	0005 CH 29 EFFINGHAM CO.
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	48	16	32	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	730	250	480	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	151	56	95	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	553	213	340	
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SO YD	20	20		
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	302	302		
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	60	60		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	267	267		
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	43	32	11	
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SO YD	32	32		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	40	10	20	10
60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	16980	2880	9460	4640
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	1020	225	480	315
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	16980	2880	9460	4640

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 IL 121 MOULTIRE CO.	0005 IL 32 MOULTIRE CO.	0005 CH 29 EFFINGHAM CO.
67100100	MOBILIZATION	LSUM	1	0.3	0.4	0.3
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	0.3	0.4	0.3
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.3	0.4	0.3
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	16980	2880	9460	4640
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	84	28	28	28

* SPECIALTY ITEM

FILE NAME : p:\11084EB10\INTEG\illinois.gov\PI\DOT\Do	USER NAME : teasleyuk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/3/2016						ILLINOIS FED. AID PROJECT				

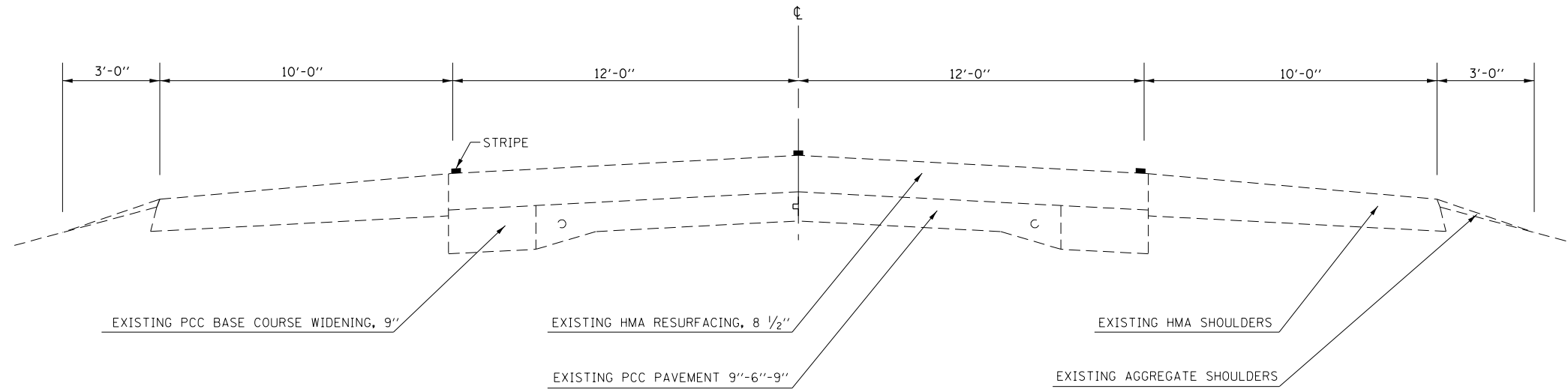
* 320 & 762, FAS 2716 ** MOULTRIE & EFFINGHAM

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TYPICAL CROSS SECTION IL 121

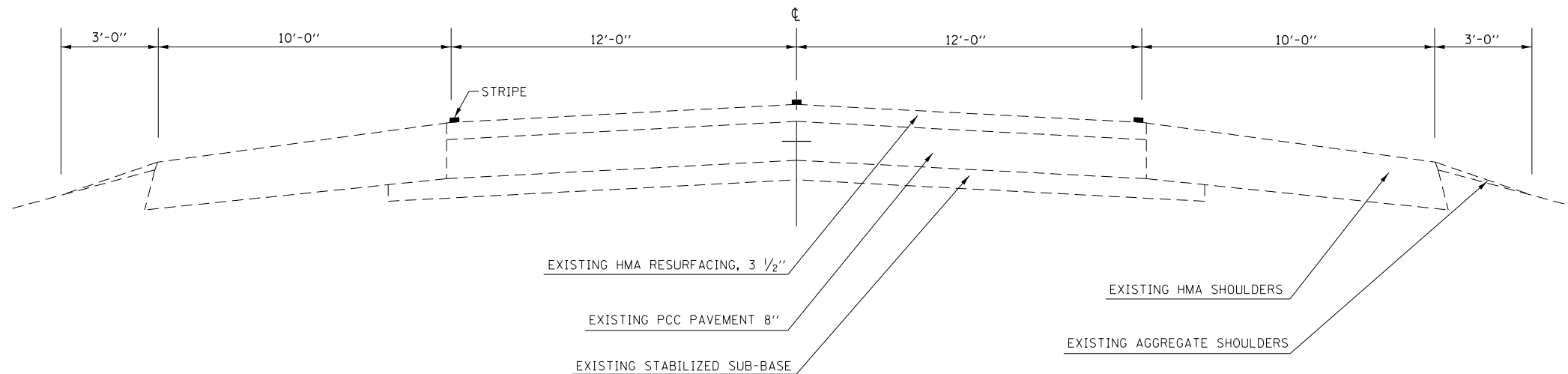
STATION	TO	STATION
51+14.22		130+00.00
* 130+00.00		138+91.70 * BRIDGE OMISSION
* 139+44.85		150+00.00 *
150+00.00		152+00.00



• EXISTING HMA RESURFACING 7 3/4"

TYPICAL CROSS SECTION IL 121

STATION	TO	STATION
152+00.00		184+50.00

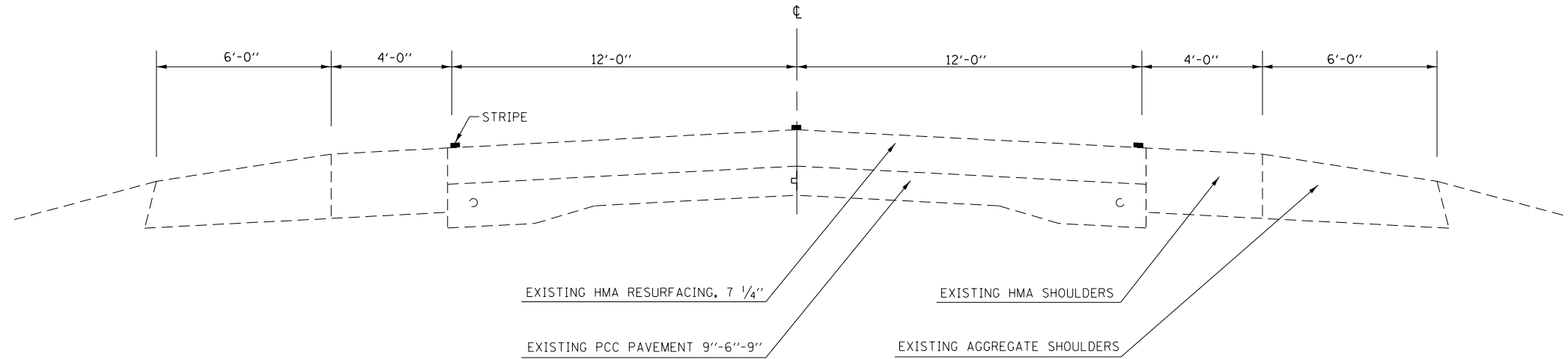


• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 74771								
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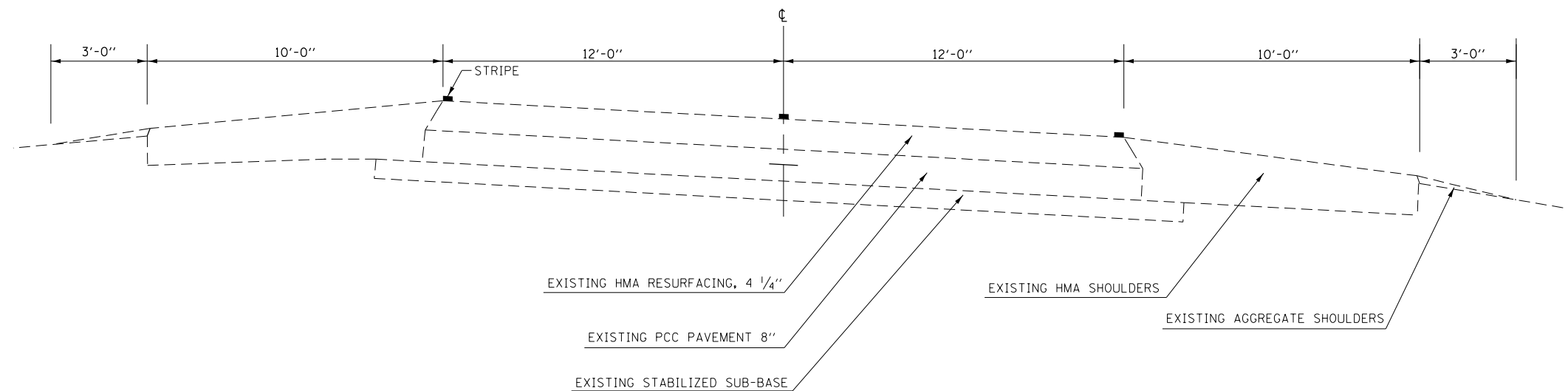
TYPICAL CROSS SECTION IL 121

STATION TO STATION
 184+50.00 213+81.75
 STA. EQ. 213+81.75 (BK) = 214+00.00 (AH)
 214+00.00 275+76.23
 319+92.22 379+00.00



TYPICAL CROSS SECTION IL 121

STATION TO STATION
 298+00.00 300+00.00
 * 300+00.00 317+82.86 *
 STA. EQ. 317+82.86 (BK) = 318+29.83 (AH)
 * 318+29.83 319+92.22 *



• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

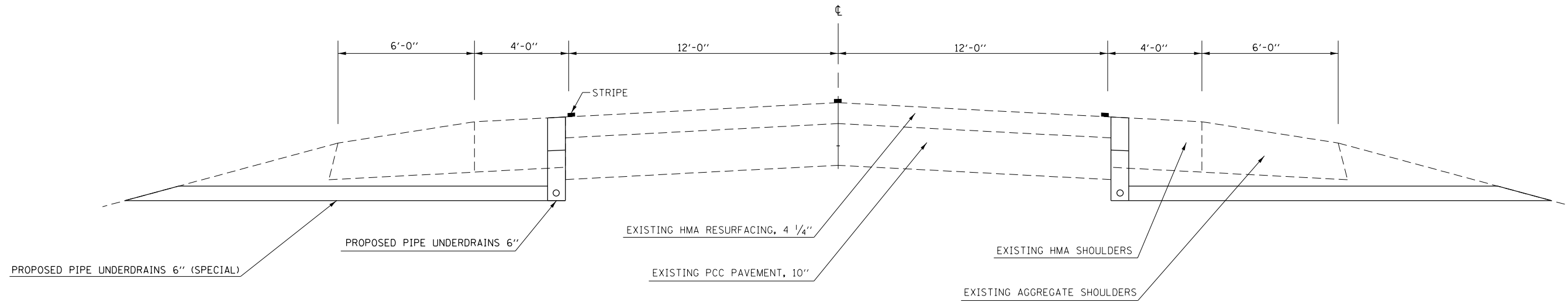
TYPICAL CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	6
CONTRACT NO. 74771			ILLINOIS FED. AID PROJECT	

TYPICAL CROSS SECTION IL 121

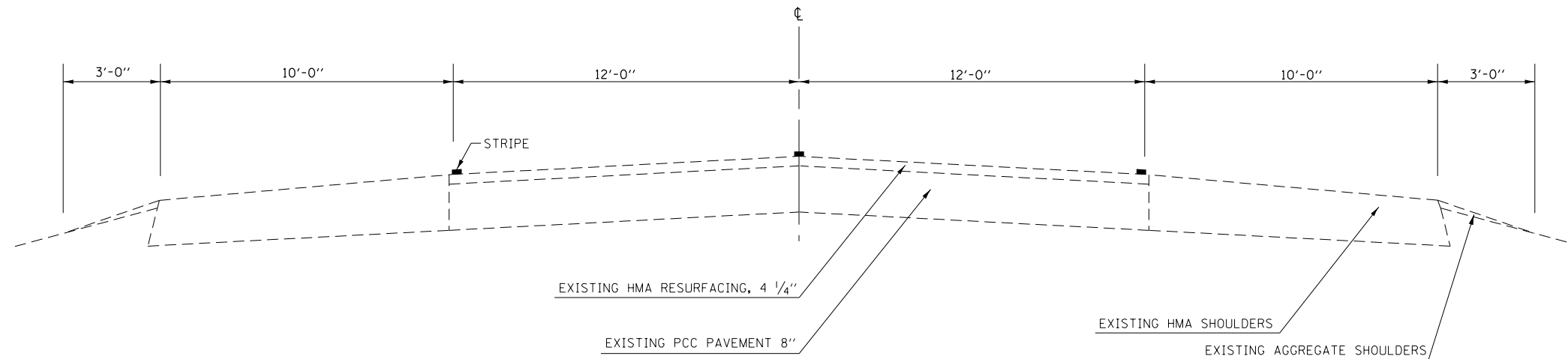
STATION	TO	STATION	
379+00.00		397+06.75	
397+06.75		401+67.75	BRIDGE OMISSION
401+67.75		420+50.00	



PIPE UNDERDRAINS 6"
 STA 393+90 TO 397+10
 STA 401+65 TO 412+85

TYPICAL CROSS SECTION IL 121

STATION	TO	STATION
478+00.00		525+00.00



• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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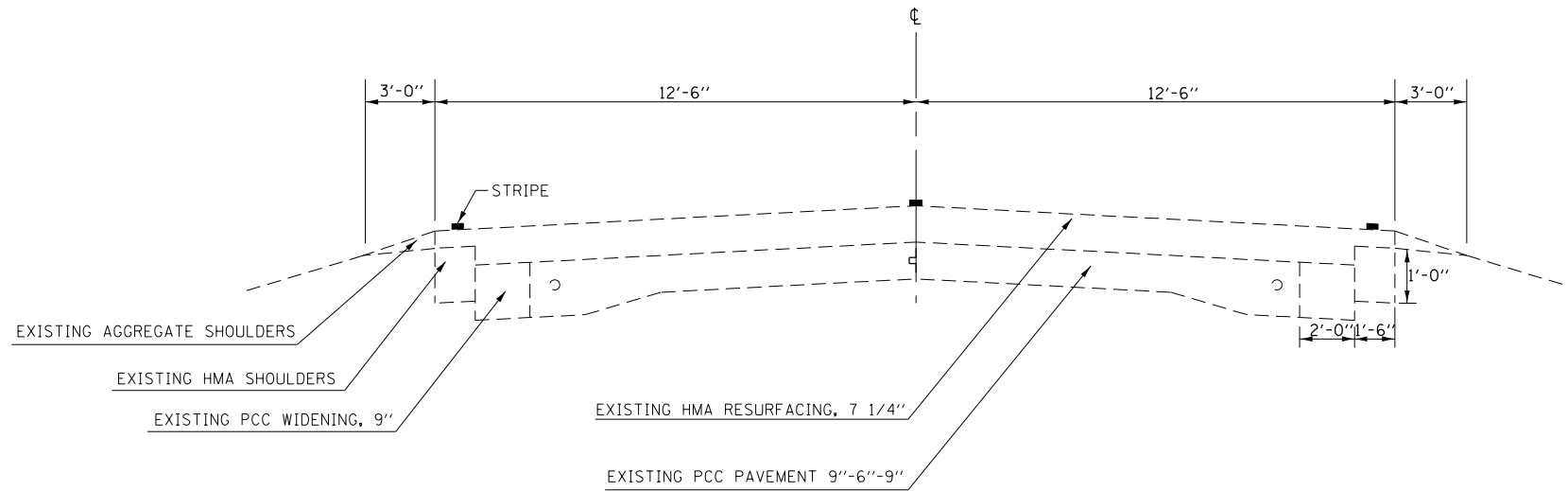
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

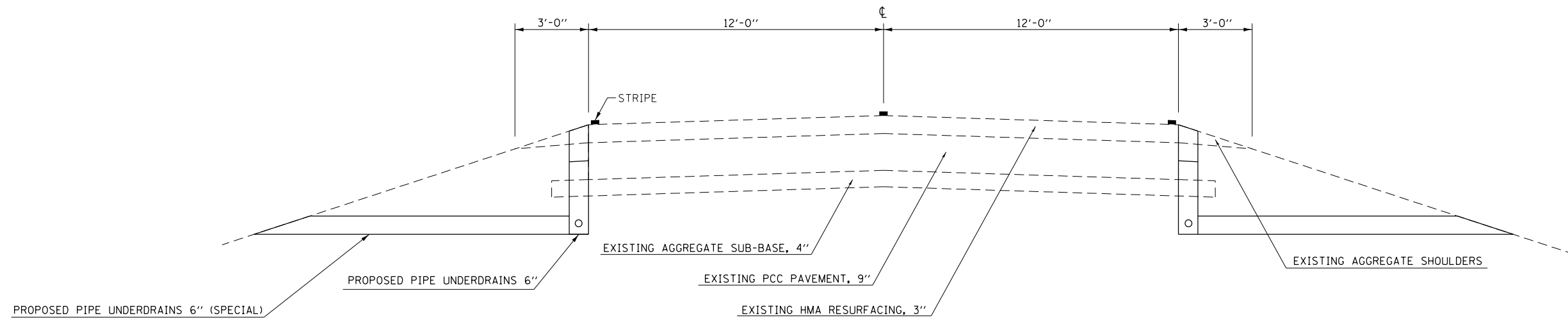
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	7
			CONTRACT NO. 74771	
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTION IL 32
STATION 206+88.00 TO STATION 207+00.00



TYPICAL CROSS SECTION IL 32
STATION 207+00.00 TO STATION 232+58.50
STATION 239+07.00 TO STATION 271+00.00



PIPE UNDERDRAINS 6"

STA 213+00 TO 222+00
STA 228+30 TO 232+30
STA 239+40 TO 267+40

• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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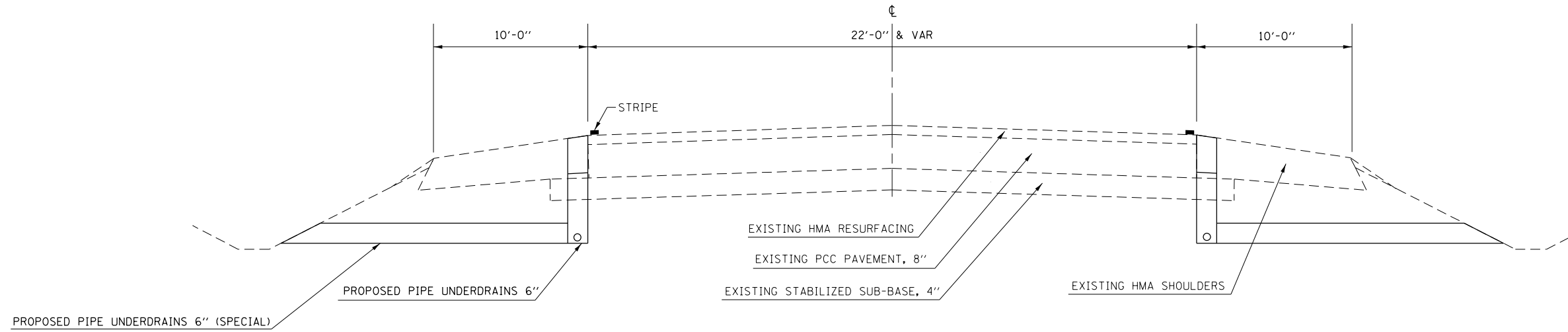
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

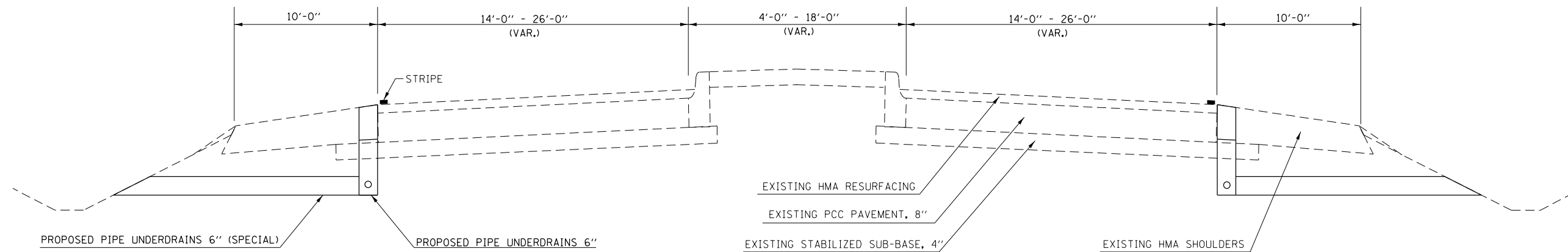
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	8
CONTRACT NO. 74771			ILLINOIS FED. AID PROJECT	

TYPICAL CROSS SECTION C. H. 29



TYPICAL CROSS SECTION C. H. 29



• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/3/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	9
CONTRACT NO. 74771			ILLINOIS FED. AID PROJECT	

PATCHING SCHEDULES FOR IL 121

				44201851			
CLASS D PATCHES, 17 INCH							
LANE	STATION	LENGTH (FT)	WIDTH (FT)		TYPE II (SQ YD)		
NB	83+54	6.0	12.0		8.0		
SB	83+54	6.0	12.0		8.0		
NB	119+29	6.0	12.0		8.0		
SB	119+29	6.0	12.0		8.0		
TOTAL =					32		

				44201785	44201789	44201794	44201796
CLASS D PATCHES, 12 INCH							
LANE	STATION	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
NB	152+54	10.0	12.0		13.3		
SB	153+04	12.0	12.0			16.0	
NBEP	154+29	6.0	6.0	4.0			
SBEP	154+89	60.0	6.0				40.0
SB	155+09	4.0	12.0		5.3		
NB	157+04	6.0	12.0		8.0		
NB	158+34	10.0	12.0		13.3		
SB	158+34	4.0	12.0		5.3		
NB	159+04	15.0	12.0			20.0	
SB	159+04	15.0	12.0			20.0	
NBEP	159+24	20.0	6.0		13.3		
SBEP	159+69	20.0	6.0				
NBEP	159+94	15.0	6.0		10.0		
NB	160+04	10.0	12.0				
NBEP	160+54	20.0	6.0				
SB	160+54	85.0	12.0				
SBEP	160+89	6.0	6.0	4.0			
NB	160+99	6.0	12.0		8.0		
SB	160+99	6.0	12.0		8.0		
NB	166+14	4.0	12.0		5.3		
SB	166+14	4.0	12.0		5.3		
SBEP	298+95	15.0	6.0		10.0		
SB	299+80	4.0	12.0		5.3		
NB	299+85	100.0	12.0				133.3
NBEP	479+73	6.0	6.0	4.0			
NB	484+73	6.0	12.0		8.0		
NBEP	495+53	20.0	6.0		13.3		
NB	497+83	8.0	12.0		10.7		
SB	497+83	8.0	12.0		10.7		
NBEP	499+03	15.0	6.0		10.0		
NB	500+23	6.0	12.0		8.0		
NB	500+83	8.0	12.0		10.7		
SB	500+83	8.0	12.0		10.7		
NB	502+03	10.0	12.0		13.3		
NBEP	502+33	10.0	6.0		6.7		
NB	503+13	6.0	12.0		8.0		
NB	508+88	8.0	12.0		10.7		
NBEP	509+18	6.0	6.0	4.0			
SB	509+38	6.0	12.0		8.0		
NB	509+08	8.0	12.0		10.7		
NBEP	510+73	60.0	6.0				40.0
TOTAL =				16	250	56	213

				44201839			
CLASS D PATCHES, 16 INCH							
LANE	STATION	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
NB	185+64	4.0	12.0		5.3		
SB	213+34	6.0	12.0		8.0		
NB	213+44	6.0	12.0		8.0		
NB	262+34	4.0	12.0		5.3		
SB	262+34	4.0	12.0		5.3		
TOTAL =					32		

• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 7\Projects\74771\Drawings\CAD\Sheets\0774771-sht-schedule						•	D7 PATCHING 2017-3	••	21	10	
Default						SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 74771			
PLOT SCALE = 100.0000' / 1in.						CHECKED -		REVISED -		DATE -	

CONTINUED PATCHING SCHEDULES FOR IL 121

LANE	STATION	LENGTH (FT)	WIDTH (FT)	44201811	44201815	44201819	44201821
				CLASS D PATCHES, 14"			
				TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
NB	387+07	6.0	12.0		8.0		
SB	387+07	6.0	12.0		8.0		
NB	389+02	6.0	12.0		8.0		
SB	389+87	8.0	12.0		10.7		
NB	390+22	8.0	12.0		10.7		
NB	390+72	6.0	12.0		8.0		
SB	392+77	6.0	12.0		8.0		
NB	394+12	6.0	12.0		8.0		
SB	394+12	6.0	12.0		8.0		
SB	394+87	4.0	12.0		5.3		
NBEP	394+97	6.0	6.0	4.0			
NB	395+52	6.0	12.0		8.0		
SB	395+52	6.0	12.0		8.0		
SB	395+76	15.0	12.0			20.0	
NB	396+27	10.0	12.0		13.3		
SB	396+27	4.0	12.0		5.3		
SB	396+37	20.0	12.0				26.7
SB	402+17	6.0	12.0		8.0		
SB	402+47	6.0	12.0		8.0		
NB	402+47	6.0	12.0		8.0		
SB	402+67	8.0	12.0		10.7		
NB	402+67	8.0	12.0		10.7		
SB	402+97	8.0	12.0		10.7		
NB	402+97	8.0	12.0		10.7		
SBEP	403+27	6.0	6.0	4.0			
SB	403+57	6.0	12.0		8.0		
NB	403+57	6.0	12.0		8.0		
NB	404+02	8.0	12.0		10.7		
SB	404+02	8.0	12.0		10.7		
SB	405+67	10.0	12.0		13.3		
NB	405+67	40.0	12.0				53.3
SB	405+82	40.0	12.0				53.3
SBEP	406+62	30.0	6.0			20.0	
NB	406+62	8.0	12.0				
NB	406+77	60.0	12.0				80.0
SB	407+02	8.0	12.0		10.7		
NB	407+72	40.0	12.0				53.3
NB	408+47	6.0	12.0		8.0		
SB	408+47	6.0	12.0		8.0		
NB	408+72	40.0	12.0				
SBEP	408+52	30.0	6.0			20.0	
NB	409+77	6.0	12.0		8.0		
NB	409+82	6.0	12.0		8.0		
SBEP	410+32	15.0	6.0		10.0		
SBEP	411+82	6.0	6.0	4.0			
SBEP	411+97	10.0	6.0		6.7		
SB	411+97	6.0	6.0	4.0			
NB	413+77	6.0	12.0		8.0		
SBEP	415+92	6.0	6.0	4.0			
TOTAL =				20	302	60	267

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FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT Documents\DOT Offices\District 7\Projects\74771\Drawings\CADsheets\0774771-shd-schedule						REVISED -	•	D7 PATCHING 2017-3	••	21	11
Default						CHECKED -	REVISED -	CONTRACT NO. 74771			
PLOT SCALE = 100.0000' / in.				DATE -	REVISED -	SCALE:		SHEET OF SHEETS		STA. TO STA.	
PLOT DATE = 11/15/2016						ILLINOIS FED. AID PROJECT					

PATCHING SCHEDULES FOR IL 32

				44201839			
				CLASS D PATCHES, 16 INCH			
LANE	STATION	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
NB	206+88	4.0	12.0		5.3		
SB	206+88	4.0	12.0		5.3		
TOTAL=					11		

				44201785	44201789	44201794	44201796
				CLASS D PATCHES, 12 INCH			
LANE	STATION	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
SBEP	207+08	20.0	6.0		13.3		
SB	210+38	16.0	12.0			21.3	
SB	210+63	8.0	12.0		10.7		
NBCL	210+63	6.0	6.0	4.0			
NB	212+98	8.0	12.0		10.7		
SB	212+98	8.0	12.0		10.7		
NB	213+88	70.0	12.0				93.3
SB	213+88	60.0	12.0				80.0
SBEP	215+48	6.0	6.0	4.0			
NBEP	215+53	25.0	6.0			16.7	
NB	215+58	10.0	12.0		13.3		
SB	215+58	10.0	12.0		13.3		
NB	215+78	4.0	12.0		5.3		
SB	215+78	8.0	12.0		10.7		
NB	216+53	10.0	12.0		13.3		
SB	217+58	6.0	12.0		8.0		
NB	217+58	8.0	12.0		10.7		
SB	218+73	4.0	12.0		5.3		
SB	219+23	6.0	12.0		8.0		
NB	219+23	6.0	12.0		8.0		
SB	220+88	4.0	12.0		5.3		
SB	221+68	8.0	12.0		10.7		
SBEP	222+83	6.0	6.0	4.0			
NBEP	222+83	6.0	6.0	4.0			
SB	223+63	6.0	12.0		8.0		
SB	226+13	4.0	12.0		5.3		
SB	228+03	8.0	12.0		10.7		
NBCL	228+38	6.0	6.0	4.0			
SB	228+48	6.0	12.0		8.0		
SB	228+88	4.0	12.0		5.3		
NB	245+88	6.0	12.0		8.0		
SB	246+98	12.0	12.0			16.0	
SBEP	247+18	10.0	6.0		6.7		
SBEP	248+73	8.0	6.0		5.3		
NB	248+73	4.0	12.0		5.3		
NBCL	249+28	15.0	6.0		10.0		
SB	249+88	25.0	12.0				33.3
SB	249+98	6.0	12.0		8.0		
SB	250+38	4.0	12.0		5.3		
NB	250+78	8.0	12.0		10.7		
SBCL	250+98	30.0	6.0			20.0	
SBEP	251+33	6.0	6.0	4.0			
NB	251+38	4.0	12.0		5.3		
SB	252+43	4.0	12.0		5.3		
SBEP	254+18	6.0	6.0	4.0			
SB	255+03	10.0	12.0		13.3		
NBCL	255+38	6.0	6.0	4.0			
SBCL	255+38	15.0	6.0		10.0		
SBCL	255+58	10.0	6.0		6.7		
NBCL	255+58	10.0	6.0		6.7		
SBCL	255+98	8.0	6.0		5.3		
SB	256+18	16.0	12.0			21.3	
SB	256+38	10.0	12.0		13.3		

				44201785	44201789	44201794	44201796
				CLASS D PATCHES, 12 INCH			
LANE	STATION	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
SB	257+38	6.0	12.0		8.0		
SB	257+68	20.0	12.0				26.7
SB	257+88	10.0	12.0		13.3		
NB	258+28	4.0	12.0		5.3		
SB	258+78	10.0	12.0		13.3		
SB	259+63	6.0	12.0		8.0		
SB	259+88	4.0	12.0		5.3		
SB	260+73	10.0	12.0		13.3		
NB	260+98	4.0	12.0		5.3		
NB	261+18	8.0	12.0		10.7		
NB	261+53	6.0	12.0		8.0		
SB	261+53	6.0	12.0		8.0		
SB	261+98	8.0	12.0		10.7		
NB	262+68	6.0	12.0		8.0		
SB	263+38	10.0	12.0		13.3		
NB	264+43	4.0	12.0		5.3		
SB	264+43	4.0	12.0		5.3		
NB	266+33	40.0	12.0				53.3
SB	266+33	40.0	12.0				53.3
SB	266+48	4.0	12.0		5.3		
SB	266+88	4.0	12.0		5.3		
NB	267+78	6.0	12.0		8.0		
TOTAL=				32	480	95	340

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CONTRACT NO. 74771

60100060 CONCRETE HEADWALLS FOR PIPE DRAINS

IL 121	STATION	EACH	
RT	397+10	1.0	
LT	397+10	1.0	
RT	401+65	1.0	
LT	401+65	1.0	
RT	407+00	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	407+00	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	412+85	1.0	
LT	412+85	1.0	
TOTAL IL 121 =		10.0	

IL 32	STATION	EACH	
RT	217+26	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	217+26	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	221+50	1.0	
LT	221+50	1.0	
RT	232+30	1.0	
LT	232+30	1.0	
RT	243+00	1.0	
LT	243+00	1.0	
RT	248+00	1.0	
LT	248+00	1.0	
RT	253+00	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	253+00	2.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	258+00	1.0	
LT	258+00	1.0	
RT	263+00	1.0	
LT	263+00	1.0	
TOTAL IL 32 =		20.0	

C.H. 29	STATION	EACH	
RT	30+77	1.0	
RT	34+25	1.0	
RT	37+25	1.0	
LT	37+35	1.0	
RT	42+25	1.0	
LT	42+25	1.0	
RT	47+25	1.0	
LT	47+25	1.0	
RT	52+25	1.0	
LT	52+25	1.0	
TOTAL C.H. 29 =		10.0	

GRAND TOTAL =	40.0
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60100070 SHOULDER REMOVAL & REPLACEMENT

IL 121	STATION	TO	STATION	LENGTH (FT)
RT	393+90		397+10	320.0
LT	393+90		397+10	320.0
RT	401+65		412+85	1120.0
LT	401+65		412+85	1120.0
TOTAL IL 121 =				2880.0

IL 32	STATION	TO	STATION	LENGTH (FT)
RT	213+00		232+30	1930.0
LT	213+00		232+30	1930.0
RT	239+40		267+40	2800.0
LT	239+40		267+40	2800.0
TOTAL IL 32 =				9460.0

C.H. 29	STATION	TO	STATION	LENGTH (FT)
RT	30+77		57+27	2650.0
LT	37+35		57+25	1990.0
TOTAL C.H. 29 =				4640.0

GRAND TOTAL =	16980.0
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60108200 PIPE UNDERDRAINS 6" (SPECIAL)

IL 121	STATION	LENGTH (FT)	
RT	397+10	25.0	
LT	397+10	20.0	
RT	401+65	25.0	
LT	401+65	20.0	
RT	407+00	50.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	407+00	40.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	412+85	25.0	
LT	412+85	20.0	
TOTAL IL 121 =		225.0	

IL 32	STATION	LENGTH (FT)	
RT	217+26	40.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	217+26	40.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	221+50	25.0	
LT	221+50	25.0	
RT	232+30	25.0	
LT	232+30	25.0	
RT	243+00	25.0	
LT	243+00	25.0	
RT	248+00	25.0	
LT	248+00	25.0	
RT	253+00	50.0	LOW POINT- 2 LATERAL'S EACH SIDE
LT	253+00	50.0	LOW POINT- 2 LATERAL'S EACH SIDE
RT	258+00	25.0	
LT	258+00	25.0	
RT	263+00	25.0	
LT	263+00	25.0	
TOTAL IL 32 =		480.0	

C.H. 29	STATION	LENGTH (FT)	
RT	30+77	30.0	
RT	34+25	30.0	
RT	37+25	30.0	
LT	37+35	35.0	
RT	42+25	30.0	
LT	42+25	35.0	
RT	47+25	30.0	
LT	47+25	35.0	
RT	52+25	25.0	
LT	52+25	35.0	
TOTAL C.H. 29 =		315.0	

GRAND TOTAL =	1020.0
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60108206 PIPE UNDERDRAINS, TYPE 2.6"

IL 121	STATION	TO	STATION	LENGTH (FT)
RT	393+90		397+10	320.0
LT	393+90		397+10	320.0
RT	401+65		412+85	1120.0
LT	401+65		412+85	1120.0
TOTAL IL 121 =				2880.0

IL 32	STATION	TO	STATION	LENGTH (FT)
RT	213+00		232+30	1930.0
LT	213+00		232+30	1930.0
RT	239+40		267+40	2800.0
LT	239+40		267+40	2800.0
TOTAL IL 32 =				9460.0

C.H. 29	STATION	TO	STATION	LENGTH (FT)
RT	30+77		57+27	2650.0
LT	37+35		57+25	1990.0
TOTAL C.H. 29 =				4640.0

GRAND TOTAL =	16980.0
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780011110 PAINT PAVEMENT MARKING - LINE 4"

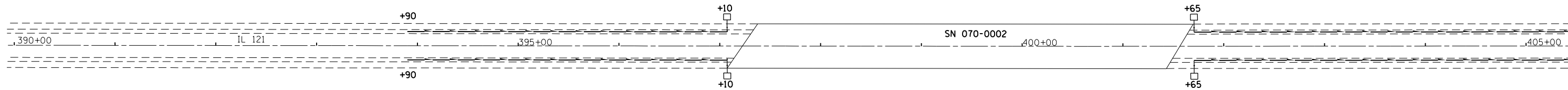
IL 121	STATION	TO	STATION	WHITE LENGTH (FT)
RT	393+90		397+10	320.0
LT	393+90		397+10	320.0
RT	401+65		412+85	1120.0
LT	401+65		412+85	1120.0
TOTAL IL 121 =				2880.0

IL 32	STATION	TO	STATION	WHITE LENGTH (FT)
RT	213+00		232+30	1930.0
LT	213+00		232+30	1930.0
RT	239+40		267+40	2800.0
LT	239+40		267+40	2800.0
TOTAL IL 32 =				9460.0

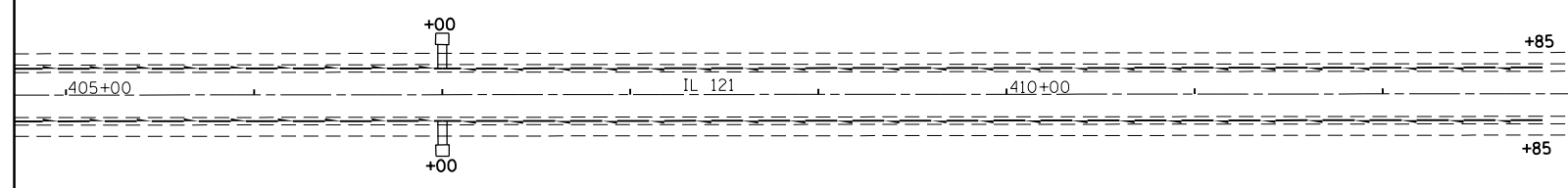
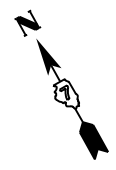
C.H. 29	STATION	TO	STATION	WHITE LENGTH (FT)
RT	30+77		57+27	2650.0
LT	37+35		57+25	1990.0
TOTAL C.H. 29 =				4640.0

GRAND TOTAL =	16980.0
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NOT TO SCALE



LOW POINT STATION 407+00

NOT TO SCALE

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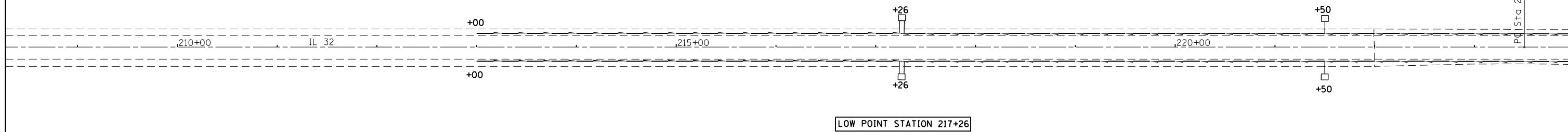
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Default	PLOT DATE = 11/3/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
IL 121**

SCALE: SHEET OF SHEETS STA. TO STA.

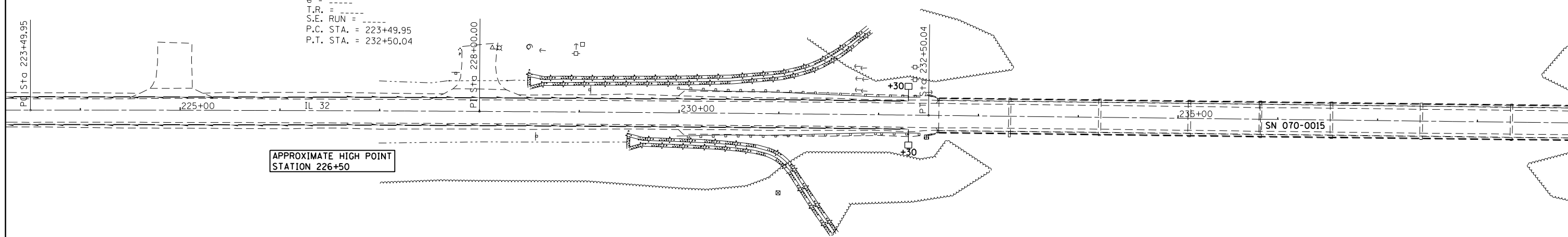
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	14
CONTRACT NO. 74771			ILLINOIS FED. AID PROJECT	



NOT TO SCALE



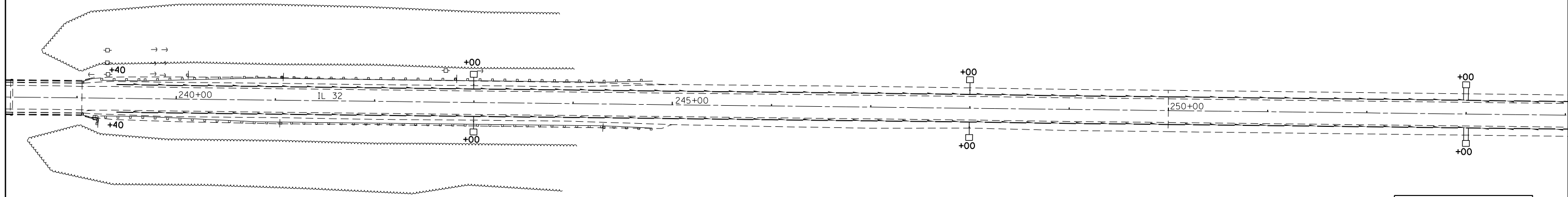
EXIST. CURVE C1
 PI STA. = 228+00.00
 $\Delta = 0^\circ 40' 08''$ (RT)
 $D = 0^\circ 04' 27''$
 $R = 77,109.25'$
 $T = 450.05'$
 $L = 900.09'$
 $E = 1.31'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 223+49.95
 P.T. STA. = 232+50.04



NOT TO SCALE

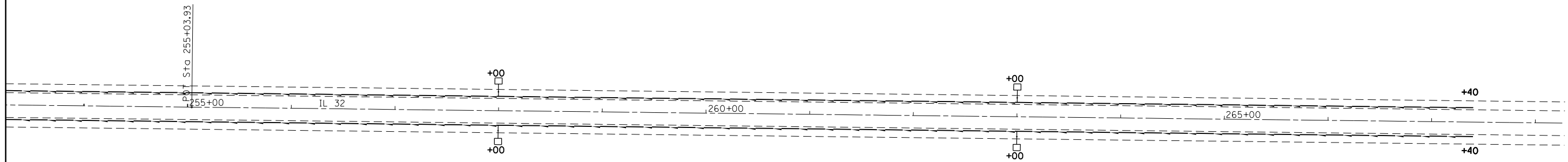
• 320 & 762, FAS 2716 •• MOULTRIE & EFFINGHAM

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET IL 32				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 74771				
	PLOT DATE = 11/3/2016	DATE -	REVISIONS		ILLINOIS FED. AID PROJECT								



LOW POINT STATION 253+00

NOT TO SCALE



NOT TO SCALE

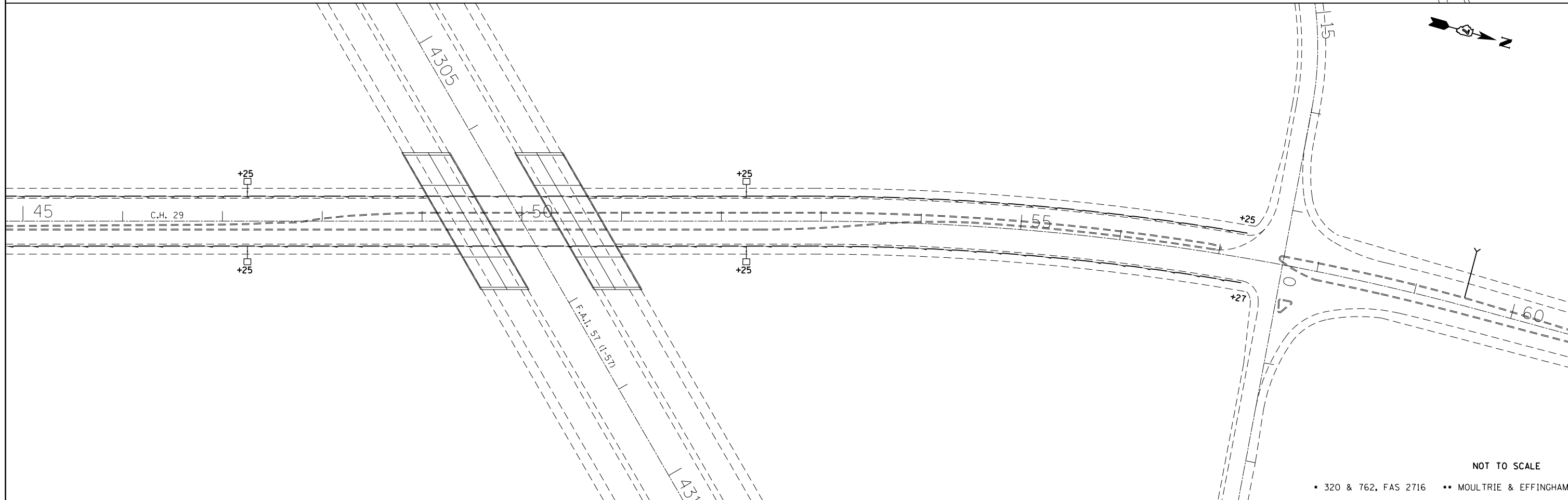
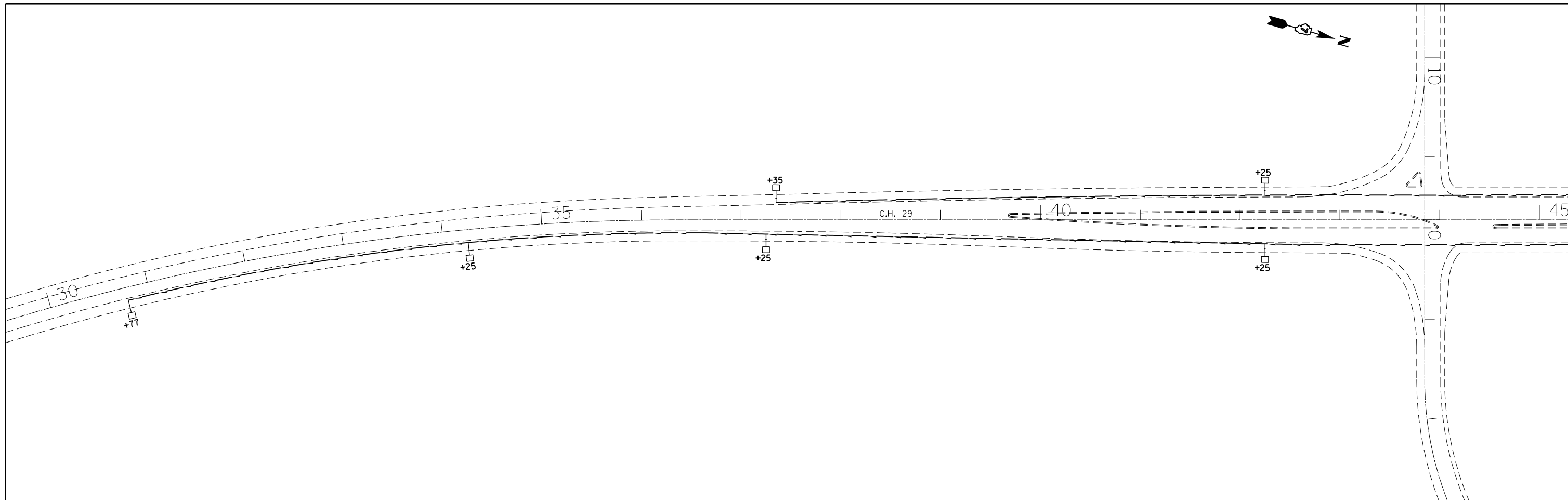
• 320 & 762, FAS 2716 ** MOULTRIE & EFFINGHAM

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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 11/3/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET IL 32			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	**	21	16
			CONTRACT NO. 74771	
ILLINOIS FED. AID PROJECT				



NOT TO SCALE
 • 320 & 762, FAS 2716 ** MOULTRIE & EFFINGHAM

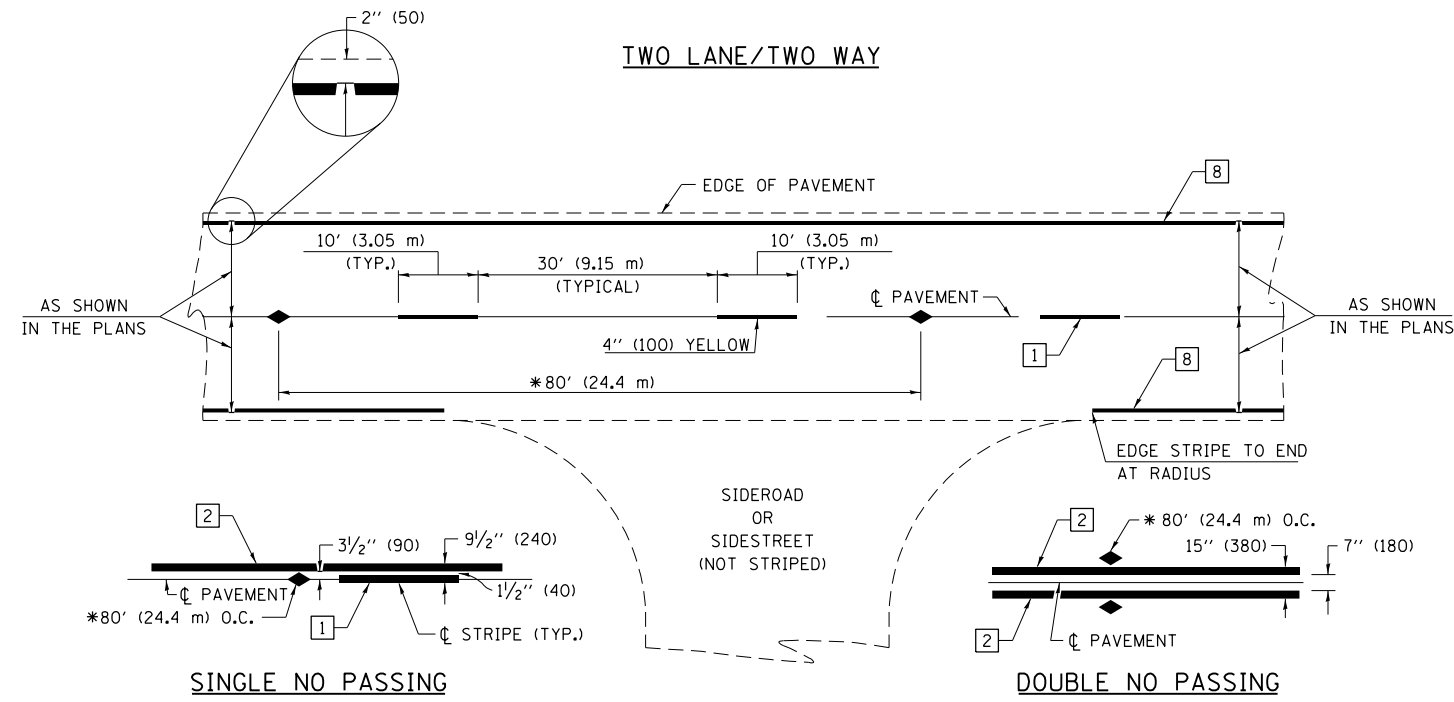
FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 11/3/2016		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
 C.H. 29**

SCALE: SHEET OF SHEETS STA. TO STA.

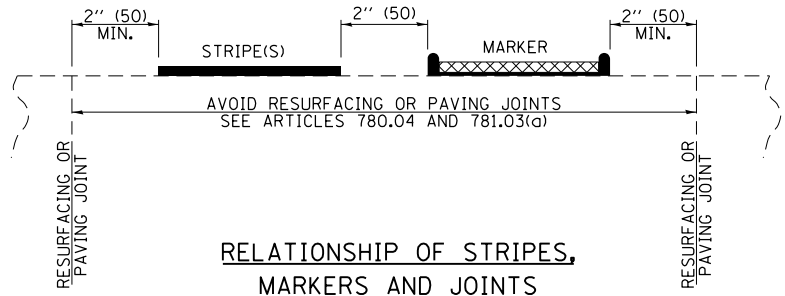
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	**	21	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74771	



* 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

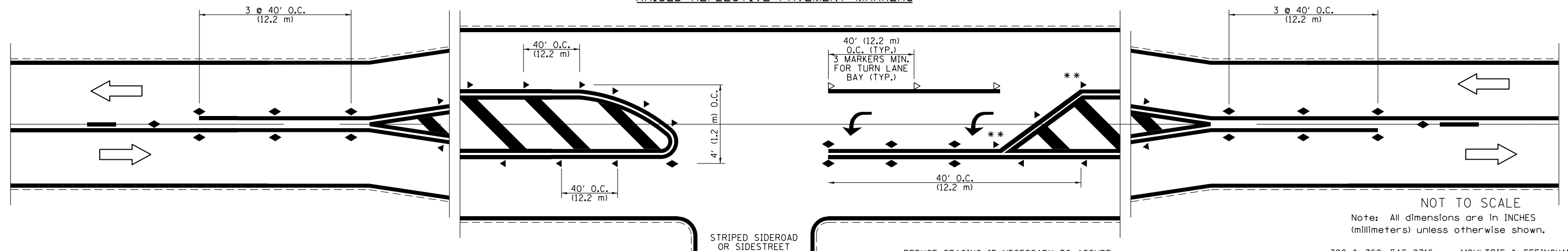


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

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

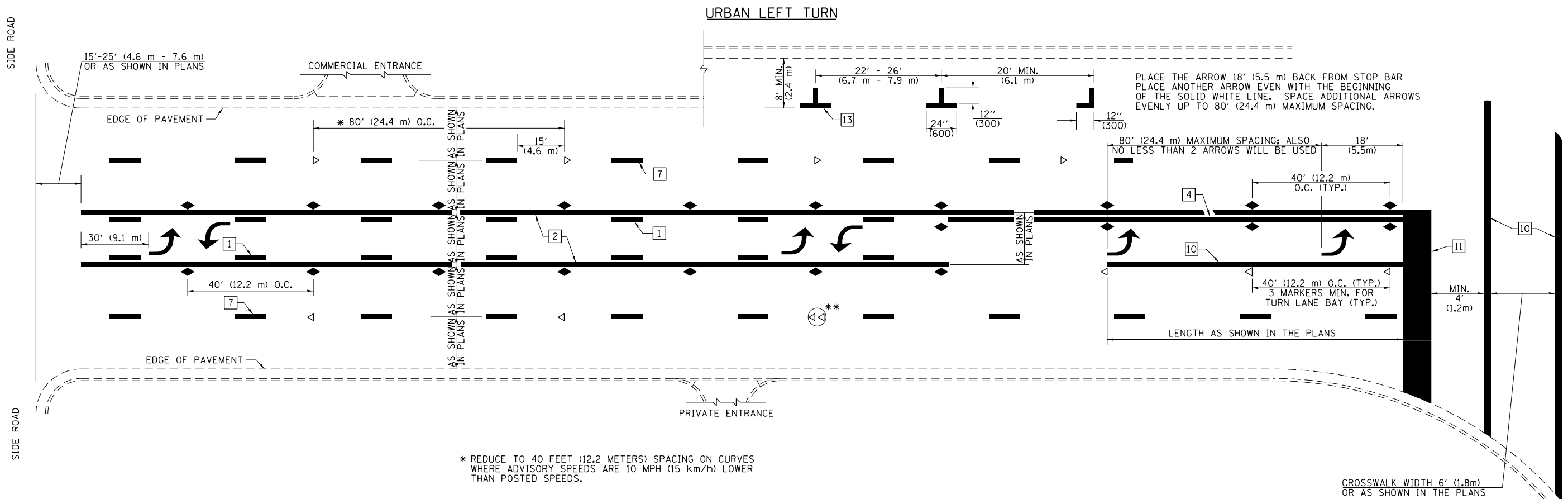
RAISED REFLECTIVE PAVEMENT MARKERS



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

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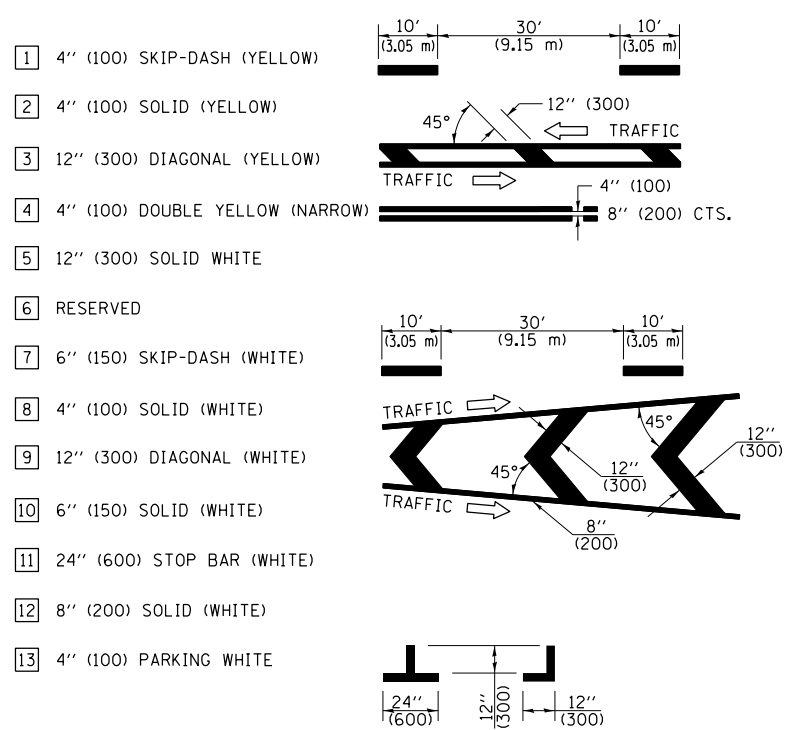
FILE NAME =	USER NAME = teasleyk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 11/3/2016	DATE -	REVISED -			CONTRACT NO. 74771		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.		



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

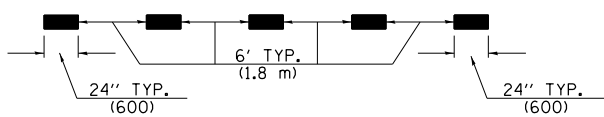
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

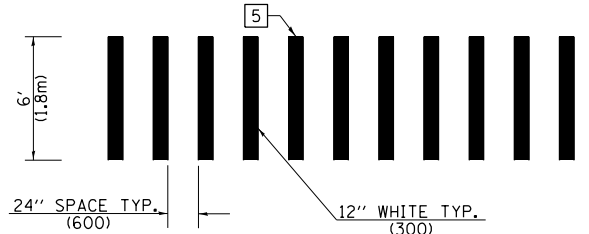


GENERAL NOTES

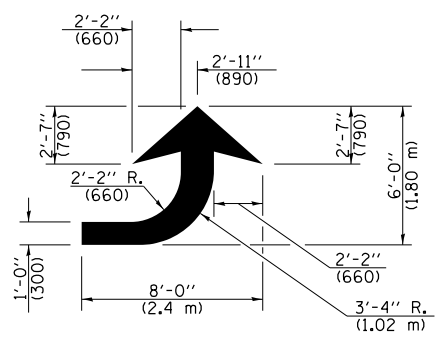
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT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



LANE LINE EXTENSIONS

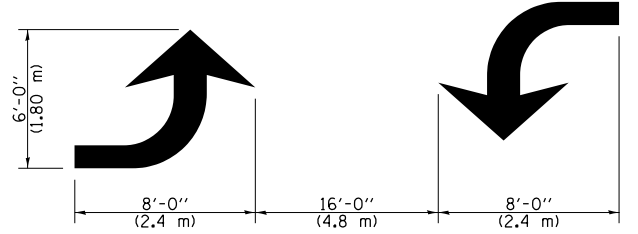


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

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



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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DISTRICT 7 DETAIL NO. 7800001

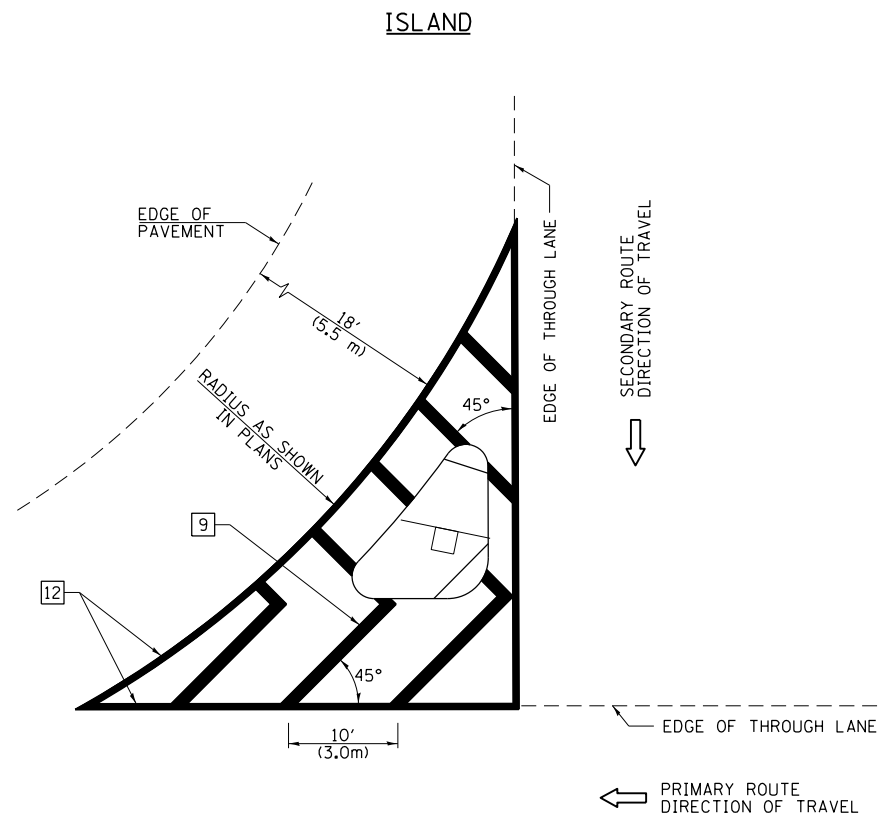
FILE NAME =	USER NAME = teasleyk	DESIGNED -	REVISED -
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	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/3/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D7 PATCHING 2017-3	••	21	19
			CONTRACT NO. 74771	
ILLINOIS FED. AID PROJECT				

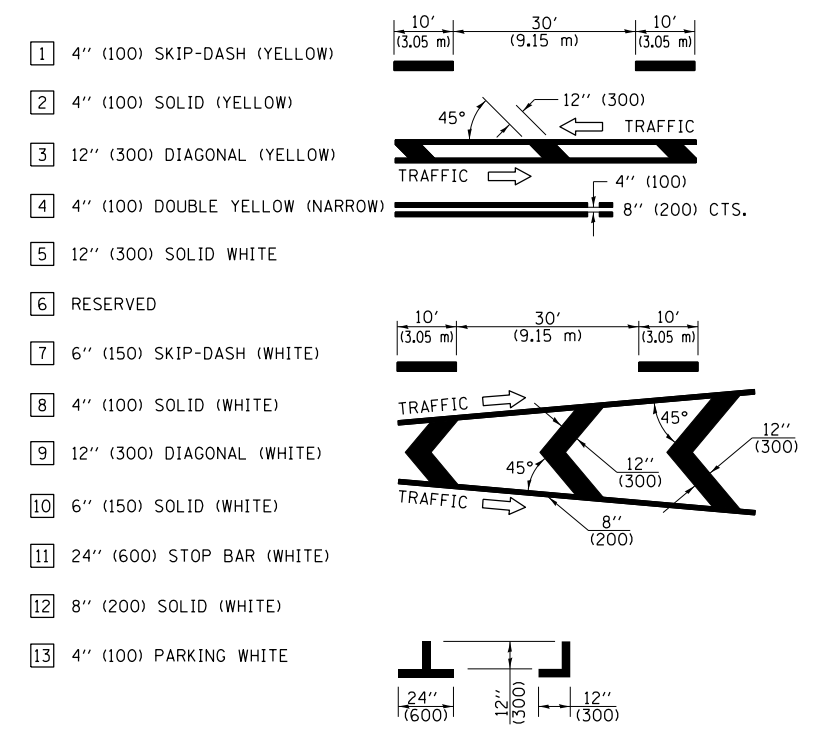


GENERAL NOTES

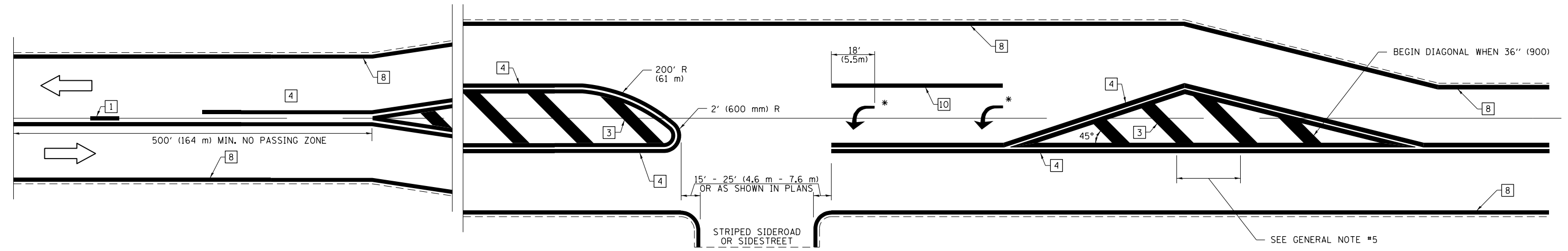
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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



RURAL LEFT TURN STRIPING



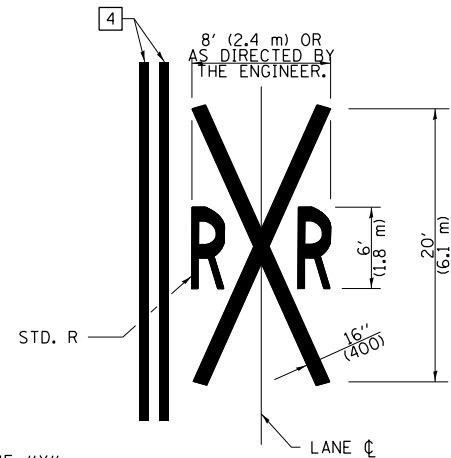
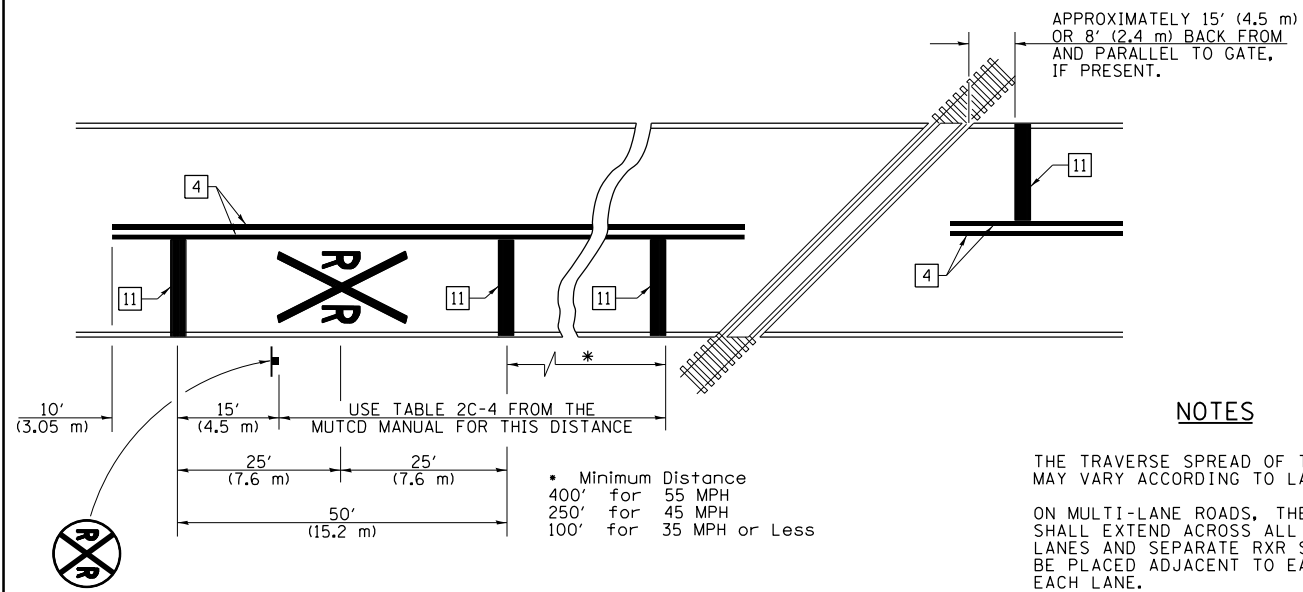
* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
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DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLLOT DATE = 11/3/2016	DATE -	REVISED -	REVISED -			CONTRACT NO. 74771		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.		

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

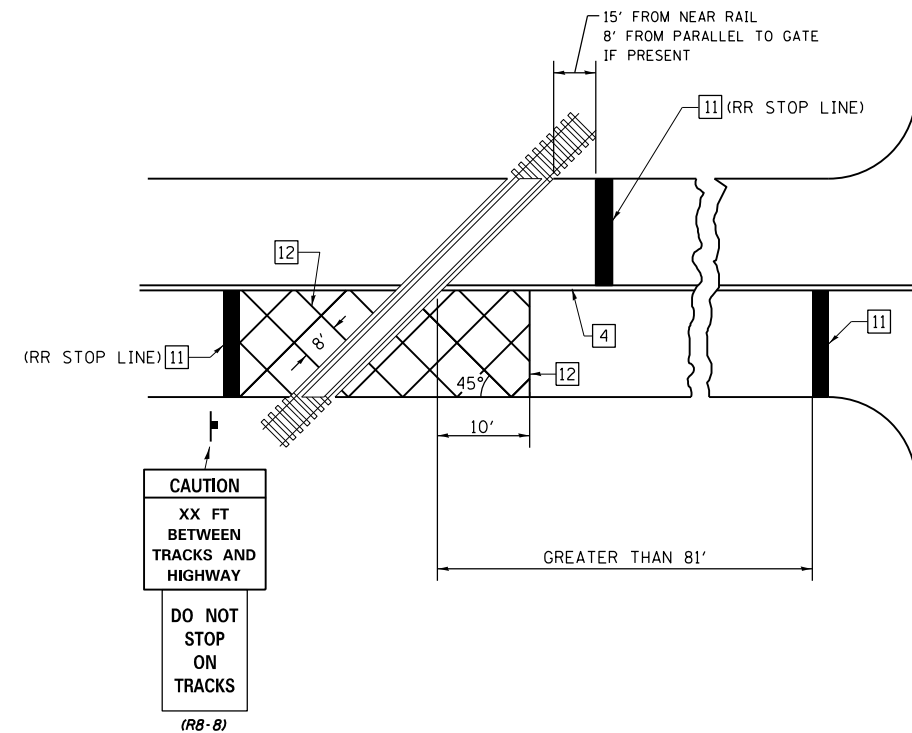
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

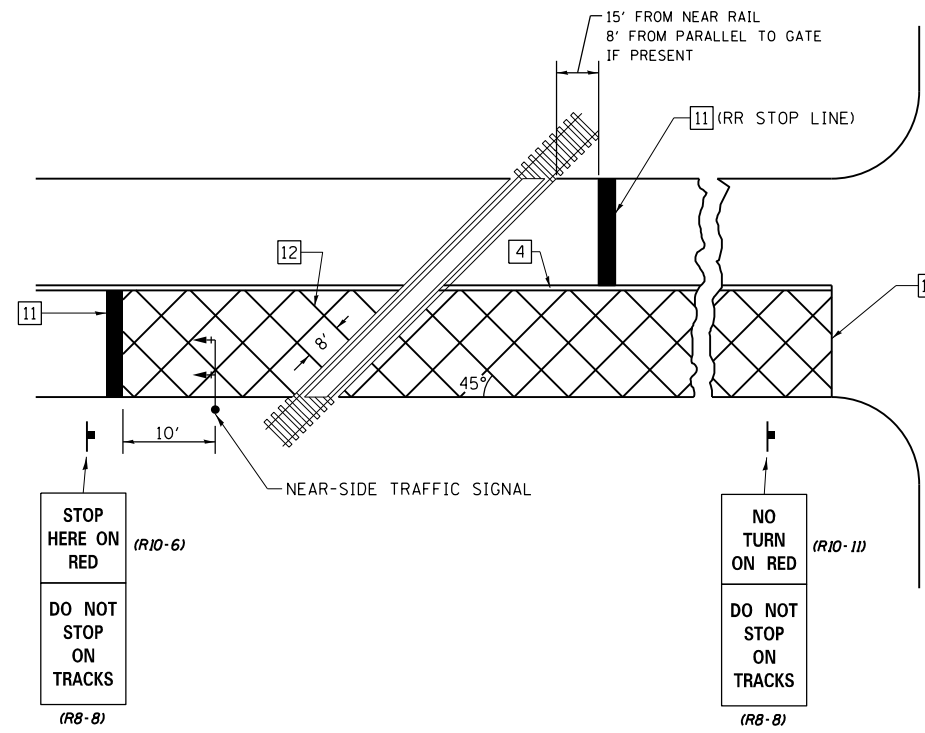
PAVEMENT MARKING LEGEND

- 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

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 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.

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DISTRICT 7 DETAIL NO. 7800001

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pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74771\Drawings\CADsheets\0774771-shd-details.dwg	PLotted	CHECKED -	REVISED -			•	D7 PATCHING 2017-3	••	21	21
	PLOT SCALE = 2.0000' / in.	DATE -	REVISED -			CONTRACT NO. 74771				
	PLOT DATE = 11/3/2016					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. 4 OF 4 SHEETS		STA. TO STA.		