

03-03-2017 LETTING ITEM 026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

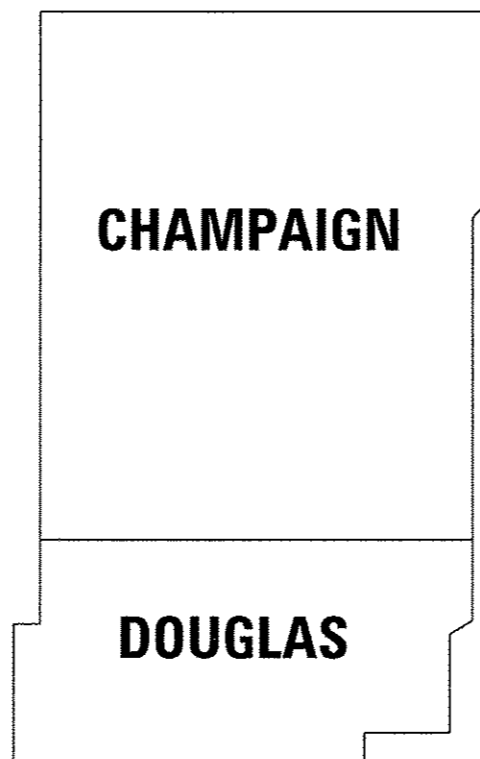
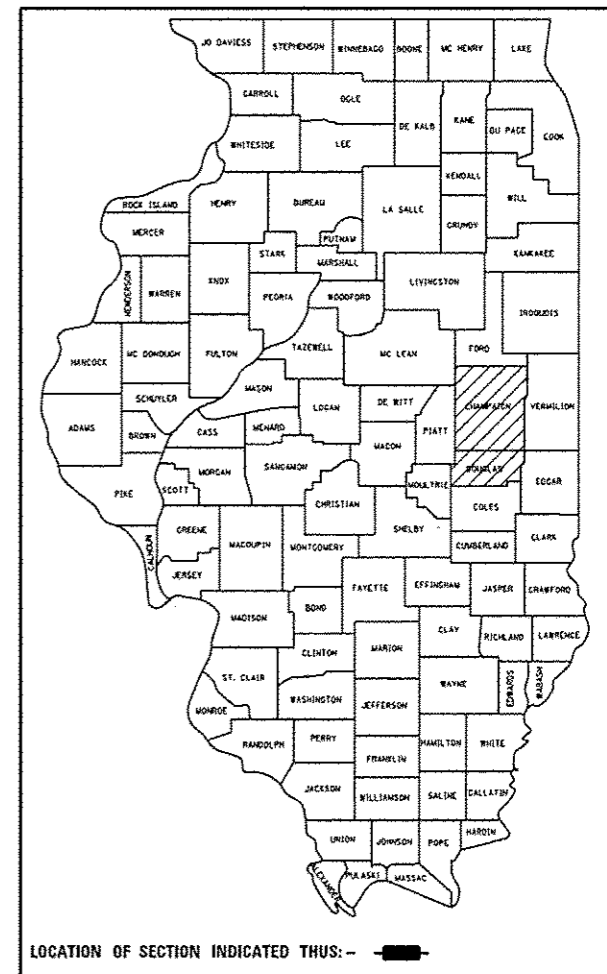
F.A.P. ROUTE 749 & F.A.S. ROUTE 533
SECTION D5 CM PATCHING 2017-6

PATCHING
DOUGLAS & CHAMPAIGN COUNTIES

C-95-069-16

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	D5 CM PATCHING 2017-6	ILLINOIS	10	1
*DOUGLAS & CHAMPAIGN **F.A.P. 749 & F.A.S. 533			CONTRACT NO. 70C42	

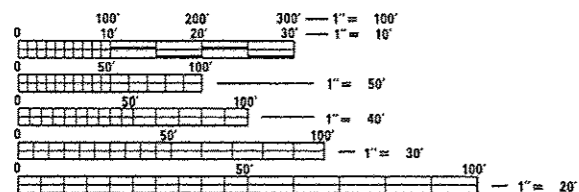
D-95-069-16



GROSS LENGTH = 7,684.28 FT. = 1.455 MILE
NET LENGTH = 6,364.28 FT. = 1.205 MILE

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LOCATION MAPS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

CURRENT ADT
SEE LOCATION MAPS



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: NANCY FASIG
SQUAD LEADER: STEVE COOMBES
DESIGNER: CHRISTINA GOSNELL
217-465-4181
CONTRACT NO. 70C42

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 9, 2016
Kenneth A. Granth
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

Jan 27, 2017
Manu M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 27, 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS
2	GENERAL NOTES
3	LOCATION MAPS
4	SUMMARY OF QUANTITIES
5-7	EXISTING TYPICAL CROSS SECTIONS
8-10	SCHEDULE OF QUANTITIES

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-442B -- PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

COMMITMENTS:
THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

LIST OF STANDARDS

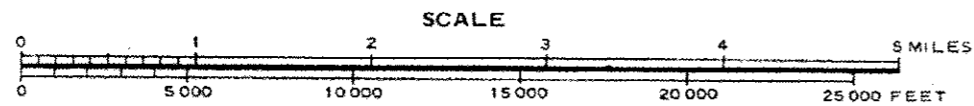
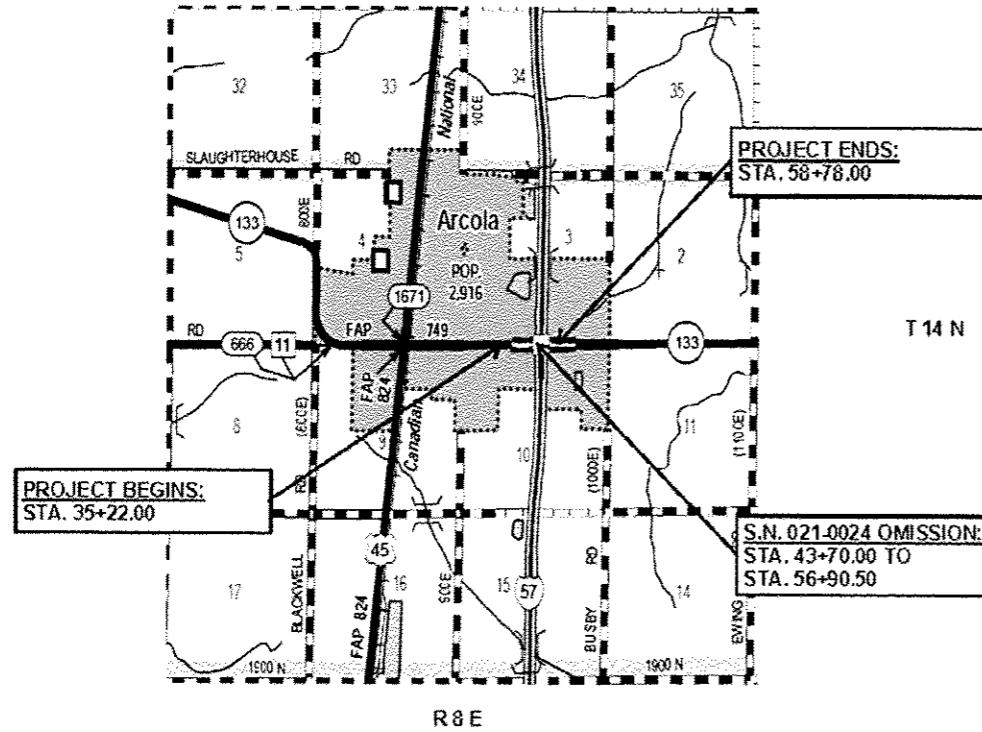
STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-08	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 M.P.H.
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701502-07	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-06	TRAFFIC CONTROL DEVICES

•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

FILE NAME *	USER NAME * gpanellal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, LIST OF STANDARDS & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EB10INTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\DS7042\Drawings\Design\DS7042-shr-plan\dgn		DRAWN	REVISED			**	DS CM PATCHING 2017-3	*	10	2
#MODELNAME #	PLOT SCALE * 48.0000" / in.	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.	
	PLOT DATE * 10/26/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT CONTRACT NO. 70C42					

LOCATION MAP #1 F.A.P. 749 (IL 133)

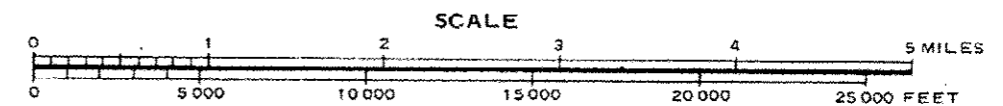
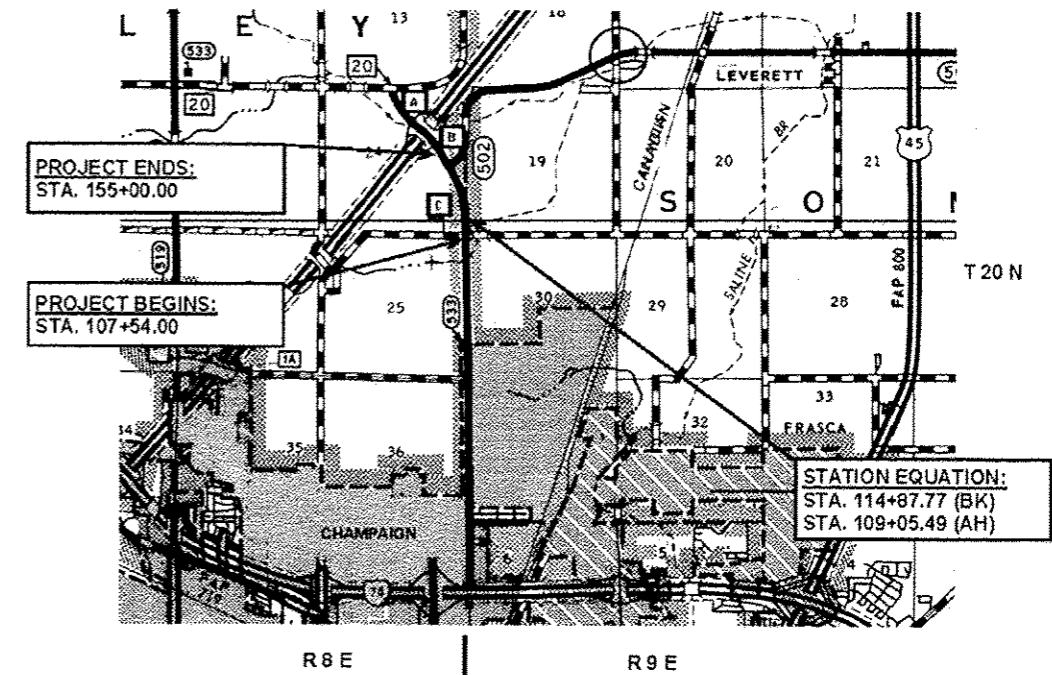
CURRENT ADT = 6,100



TOTAL LENGTH OF SECTION & PROJECT = 2356.00 FT = 0.446 MILES
NET LENGTH OF SECTION & PROJECT = 1036.00 FT = 0.196 MILES

LOCATION MAP #2 F.A.S. 533 (MARKET ST)

CURRENT ADT = 5,900



TOTAL LENGTH OF SECTION & PROJECT = 5328.28 FT = 1.009 MILES
NET LENGTH OF SECTION & PROJECT = 5328.28 FT = 1.009 MILES

•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

FILE NAME *	USER NAME * gsm1101	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAPS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pe:\IL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 5\Projects\0579\DRAWINGData\Design\0579C42-shr\plan.dgn	PLOT SCALE * 40.0000' / in.	CHECKED -	REVISED -			••	05 CM PATCHING 2017-3	•	10	3	
#MODEL NAME *	PLOT DATE * 12/26/2016	DATE -	REVISED -			CONTRACT NO. 70C42					
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

LOCATION OF WORK: F.A.P. 749 F.A.S. 533
 COUNTY: DOUGLAS CO. CHAMPAIGN CO.
 RURAL TWO LANE RURAL TWO LANE
 FUNDING BREAKOUT: 100 % STATE 100 % STATE
 CONSTRUCTION TYPE CODE: 0005 0005

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
44200050	WELDED WIRE REINFORCEMENT	SQ YD	160.0	160.0	0.0
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD	13.0	13.0	0.0
44200581	CLASS A PATCHES, TYPE III, 12 INCH	SQ YD	16.0	16.0	0.0
44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD	222.0	222.0	0.0
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SQ YD	8.0	8.0	0.0
44200988	CLASS B PATCHES, TYPE IV, 11 INCH	SQ YD	160.0	160.0	0.0
44201299	DOWEL BARS 1 1/2"	EACH	160.0	160.0	0.0
44201389	CLASS C PATCHES, TYPE II, 13 INCH	SQ YD	285.0	0.0	285.0
44201394	CLASS C PATCHES, TYPE III, 13 INCH	SQ YD	39.0	0.0	39.0

LOCATION OF WORK: F.A.P. 749 F.A.S. 533
 COUNTY: DOUGLAS CO. CHAMPAIGN CO.
 RURAL TWO LANE RURAL TWO LANE
 FUNDING BREAKOUT: 100 % STATE 100 % STATE
 CONSTRUCTION TYPE CODE: 0005 0005

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	29.0	0.0	29.0
44213000	PATCHING REINFORCEMENT	SQ YD	251.0	251.0	0.0
44213200	SAW CUTS	FOOT	1390.0	1390.0	0.0
44213204	TIE BARS 3/4"	EACH	132.0	132.0	0.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.2	0.8
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1.0	1.0	0.0

9

7

*DOUGLAS & CHAMPAIGN
 **F.A.P. 749 & F.A.S. 533

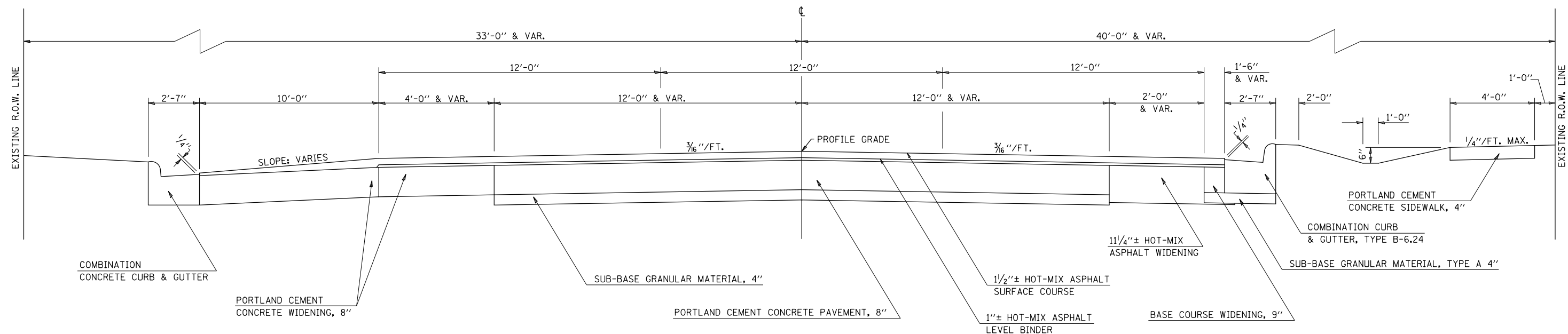
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		CHECKED -	REVISED -			**	D5 CM PATCHING 2017-3	*	10	4	
		DATE -	REVISED -			CONTRACT NO. 70C42		ILLINOIS FED. AID PROJECT			
#MODEL NAME#	PLOT DATE : 12/1/2016					SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

① EXISTING TYPICAL CROSS SECTION

LOCATION #1

F.A.P. 749 (IL 133)

STATION TO STATION
35+22.00 TO 38+10.00 ②



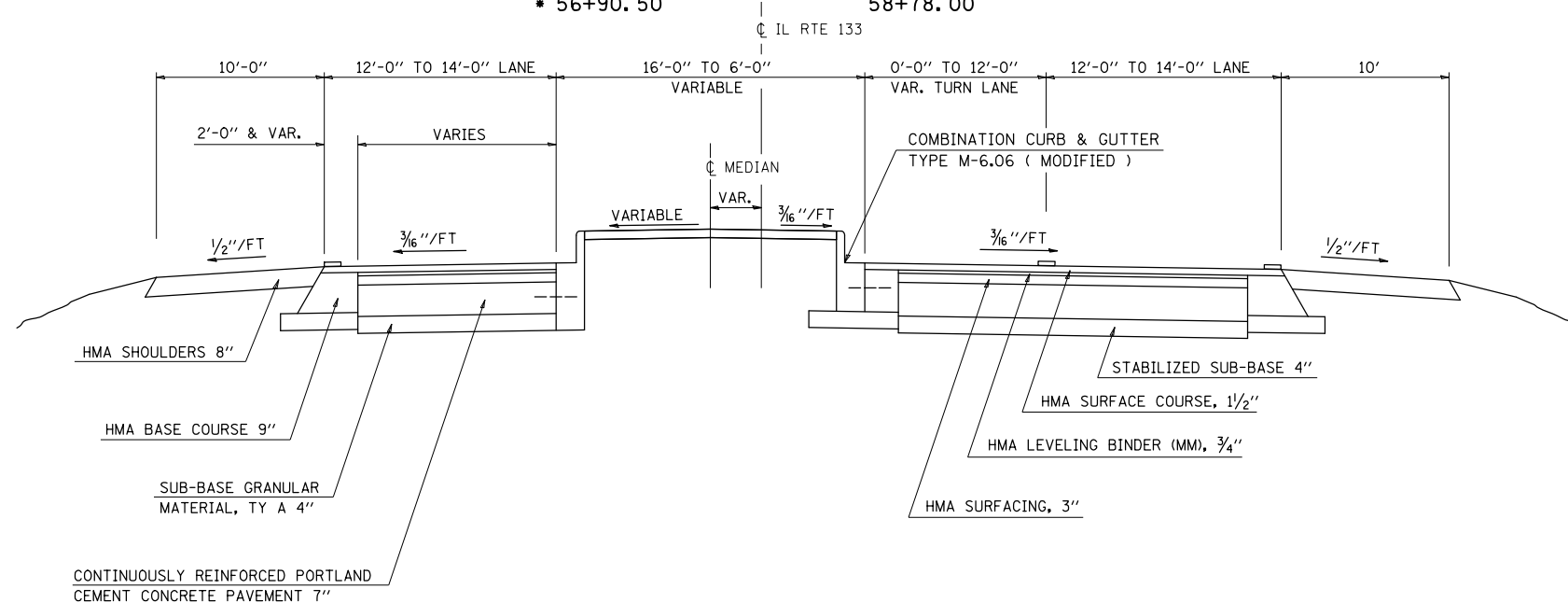
② EXISTING TYPICAL CROSS SECTION

LOCATION #1

F.A.P. 749 (IL 133)

* OMISSION 43+70.00 TO 56+90.50

STATION TO STATION
① 38+10.00 TO 43+70.00 *
* 56+90.50 TO 58+78.00



•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

FILE NAME =	USER NAME = gosnellcl	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\057\DRAWING\0570C42-shr-plan.dgn		REVISOR -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 10/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

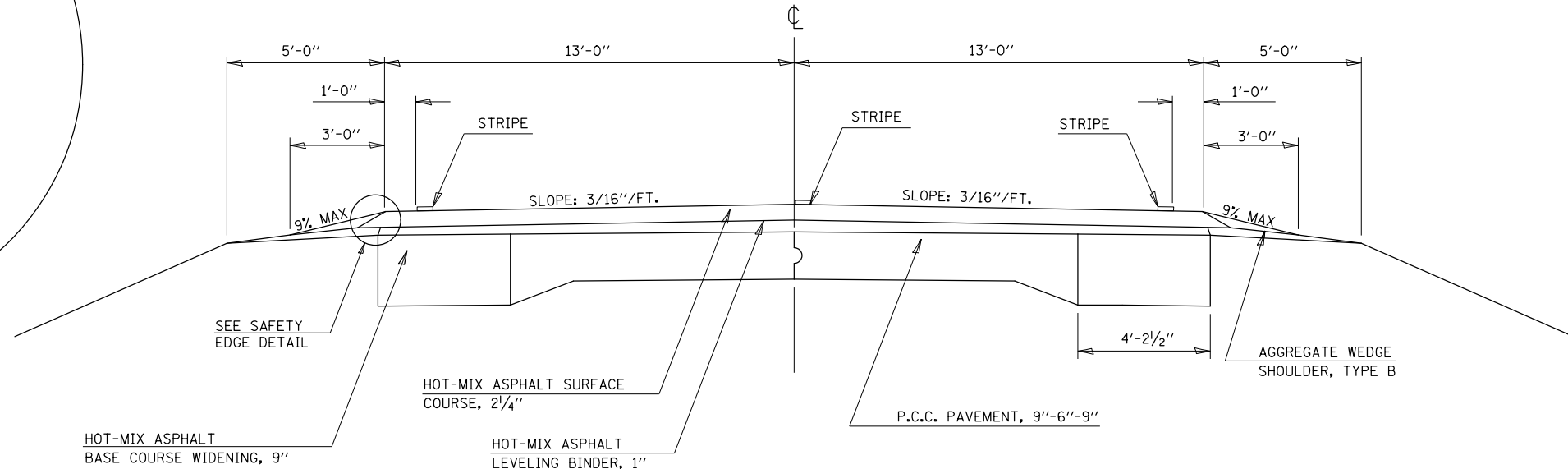
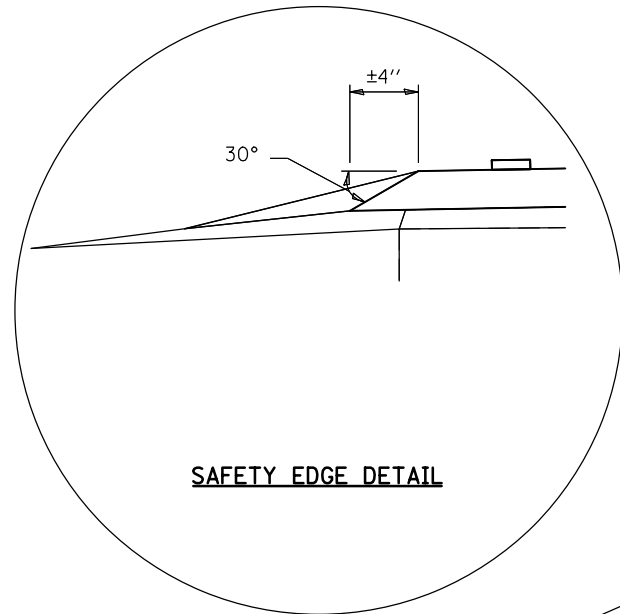
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM PATCHING 2017-3	*	10	5
CONTRACT NO. 70C42				
ILLINOIS FED. AID PROJECT				

③ EXISTING TYPICAL CROSS SECTION

LOCATION #2

F.A.S. 533 (MARKET ST.)

STATION TO STATION
107+54.00 TO 113+86.00 ④

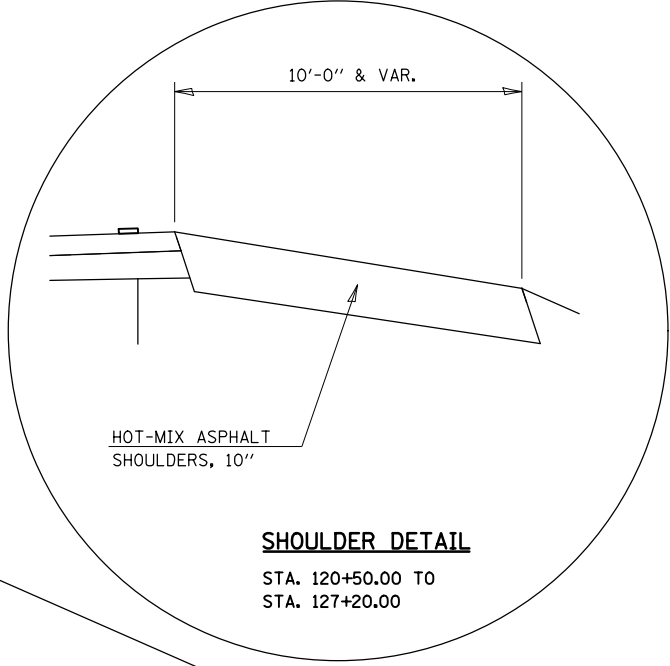
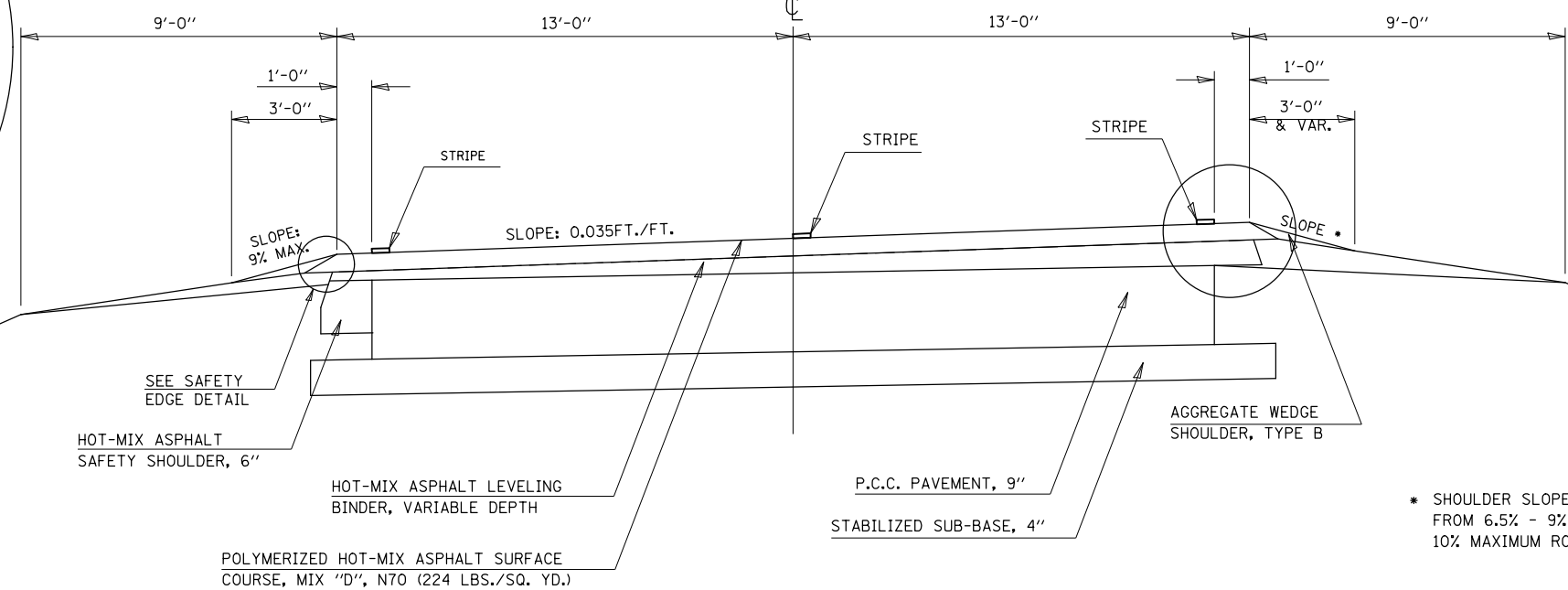
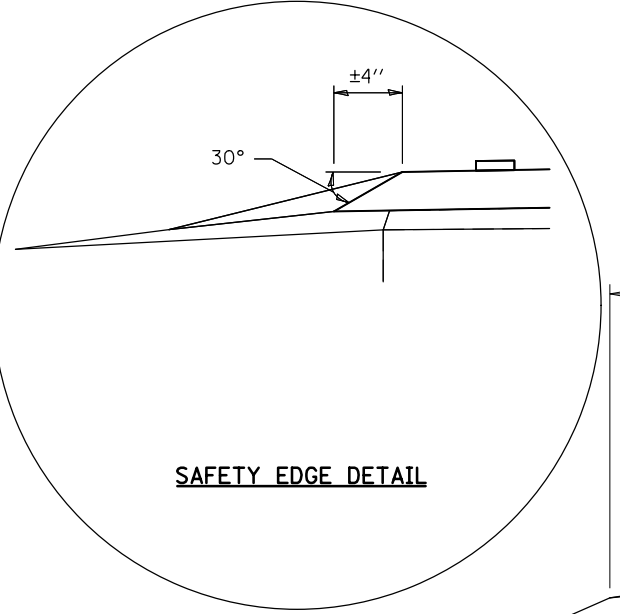


④ EXISTING TYPICAL CROSS SECTION

LOCATION #2

F.A.S. 533 (MARKET ST.)

STATION TO STATION
③ 113+86.00 TO 114+87.77 (BK)
109+05.49 (AH) TO 133+78.69 ⑤



* SHOULDER SLOPE THROUGH SUPERELEVATION VARIES FROM 6.5% - 9% MAXIMUM SLOPE TO MAINTAIN 10% MAXIMUM ROLLOVER CRITERIA.

•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

FILE NAME =	USER NAME = gosnellcl	DESIGNED -	REVISED -
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0570\DRAWING\Design\0570C42-shr-plan.dgn		REVISED -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
*MODELNAME#	PLOT DATE = 10/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

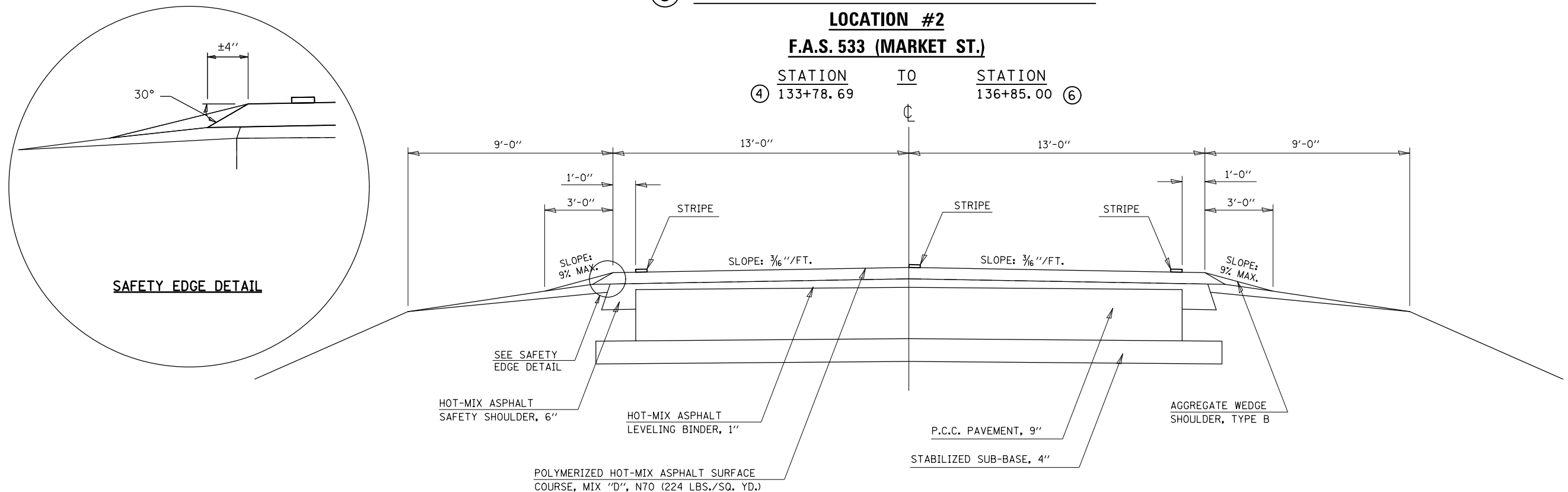
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D5 CM PATCHING 2017-3	*	10	6
			CONTRACT NO. 70C42	
ILLINOIS FED. AID PROJECT				

⑤ EXISTING TYPICAL CROSS SECTION

LOCATION #2

F.A.S. 533 (MARKET ST.)

STATION ④ 133+78.69 TO STATION 136+85.00 ⑥

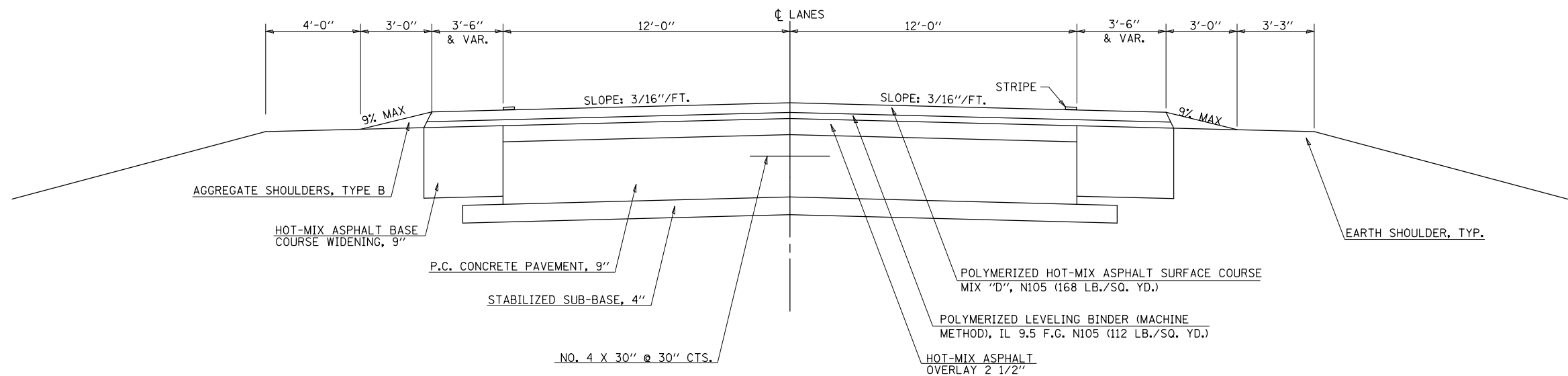


⑥ EXISTING TYPICAL CROSS SECTION

LOCATION #2

F.A.S. 533 (MARKET ST.)

STATION ⑤ 136+85.00 TO STATION 141+86.20 (APPROACH)
(APPROACH) 144+70.21 155+00.00



•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

FILE NAME =	USER NAME = gosnellc1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570\DRAWING\Design\0570C42-shr-plan.dgn	PLotted SCALE = 40.0000' / in.	CHECKED -	REVISED -					VAR.	D5 CM PATCHING 2017-3	.	10	7	
MODELNAME	PLOT DATE = 10/26/2016	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 70C42	
											ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES (LOCATION #1)

F.A.P 749 (IL 133) CLASS B 11" PATCHING								
STATION	DIRECTION	LENGTH	WIDTH	PATCH AREA		DOWEL BARS	SAW CUTS	WELDED WIRE REINFORCEMENT
				TYPE II 11.0" 44200982 (SQ YD)	TYPE IV 11.0" 44200988 (SQ YD)			
		(FT)	(FT)			1 1/2" 44201299 (EACH)	(FT)	44200050 (SQ YD)
35+22.00	W.B.	25	12	-	33.3	30	111.0	33.3
35+36.00	E.B.	35	12	-	46.7	40	141.0	46.7
35+90.00	E.B.	20	12	-	26.7	30	96.0	26.7
36+35.00	W.B.	40	12	-	53.3	40	156.0	53.3
37+41.00	W.B.	6	12	8.0	-	20	54.0	-
CLASS B, 11" PATCHING TOTALS (USE)				8.0 (SQ YD)	160.0 (SQ YD)	160.0 (EACH)	558.0 (FT)	160.0 (SQ YD)

F.A.P. 749 (IL 133) CLASS A 12" PATCHING									
STATION	DIRECTION	LENGTH	WIDTH	PATCH AREA			SAW CUTS	TIE BARS 3/4"	PATCHING REINFORCEMENT
				TYPE II 12.0" 44200577 (SQ YD)	TYPE III 12.0" 44200581 (SQ YD)	TYPE IV 12.0" 44200583 (SQ YD)			
		(FT)	(FT)				(FT)	(EACH)	44213000 (SQ YD)
38+42.00	W.B.	52	12	-	-	69.3	204.0	52	69.3
39+45.00	E.B.	60	14	-	-	93.3	236.0	60	93.3
40+06.00	E.B.	20	14	-	-	31.1	116.0	20	31.1
41+42.00	W.B.	8	14	12.4	-	-	80.0	-	12.4
41+89.00	W.B.	18	14	-	-	28.0	110.0	-	28.0
58+78.00	W.B.	10	14	-	15.6	-	86.0	-	15.6
CLASS A, 12" PATCHING TOTALS (USE)				13.0 (SQ YD)	16.0 (SQ YD)	222.0 (SQ YD)	832.0 (FT)	132.0 (EACH)	251.0 (SQ YD)

•DOUGLAS & CHAMPAIGN
•F.A.P. 749 & F.A.S. 533

SCHEDULE OF QUANTITIES (LOCATION #2)

F.A.S. 533 (MARKET ST) CLASS C 13" PATCHING								
STATION	DIRECTION	LENGTH	WIDTH	PATCH AREA				TIE BARS FOR INFO ONLY NO PAYMENT (EACH)
				TYPE I 13.0" 44201385 (SQ YD)	TYPE II 13.0" 44201389 (SQ YD)	TYPE III 13.0" 44201394 (SQ YD)	TYPE IV 13.0" 44201396 (SQ YD)	
		(FT)	(FT)					
107+54.00	N.B.	6	13		8.7			
107+54.00	S.B.	6	13		8.7			
109+16.00	N.B.	6	13		8.7			
109+16.00	S.B.	6	13		8.7			
110+66.00	N.B.	6	13		8.7			
110+66.00	S.B.	6	13		8.7			
111+64.00	N.B.	6	13		8.7			
111+64.00	S.B.	6	13		8.7			
111+83.00	N.B.	6	13		8.7			
111+83.00	S.B.	6	13		8.7			
112+36.00	N.B.	6	13		8.7			
112+36.00	S.B.	6	13		8.7			
111+20.00	S.B.	6	13		8.7			
111+85.00	S.B.	20	13				28.9	10
113+68.00	S.B.	6	13		8.7			
116+21.00	S.B.	10	13		14.4			
120+96.00	S.B.	6	13		8.7			
122+03.00	N.B.	6	13		8.7			
122+03.00	S.B.	6	13		8.7			
124+98.00	S.B.	10	13		14.4			
125+95.00	S.B.	15	13			21.7		
126+90.00	N.B.	6	13		8.7			
130+96.00	S.B.	6	13		8.7			
135+37.00	N.B.	6	13		8.7			
135+75.00	N.B.	6	13		8.7			
136+27.00	N.B.	12	13			17.3		
CLASS C, 13" PATCHING SUB-TOTALS				0.0 (SQ YD)	210.9 (SQ YD)	39.0 (SQ YD)	28.9 (SQ YD)	10.0 (EACH)

*DOUGLAS & CHAMPAIGN
**F.A.P. 749 & F.A.S. 533

FILE NAME =	USER NAME = gosnellc1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0570\DRAWING\Design\0570C42-shr-plan.dgn						VAR.	D5 CM PATCHING 2017-3	*	10	9	
MODELNAME	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE:		SHEET 1 OF 1 SHEETS		STA. TO STA.	
	PLOT DATE = 10/26/2016	DATE -	REVISED -			CONTRACT NO. 70C42 ILLINOIS FED. AID PROJECT					

SCHEDULE OF QUANTITIES (LOCATION #2 CONT'D)

F.A.S. 533 (MARKET ST) CLASS C 13" PATCHING								
STATION	DIRECTION	LENGTH	WIDTH	PATCH AREA				TIE BARS FOR INFO ONLY NO PAYMENT (EACH)
				TYPE I 13.0" 44201385 (SQ YD)	TYPE II 13.0" 44201389 (SQ YD)	TYPE III 13.0" 44201394 (SQ YD)	TYPE IV 13.0" 44201396 (SQ YD)	
		(FT)	(FT)					
137+25.00	N.B.	6	13		8.7			
137+97.00	N.B.	6	13		8.7			
138+26.00	N.B.	8	13		11.6			
146+17.00	N.B.	6	13		8.7			
146+44.00	S.B.	6	13		8.7			
147+77.00	S.B.	6	16		10.7			
151+33.00	N.B.	6	13		8.7			
155+00.00	N.B.	6	13		8.7			
CLASS C, 13" PATCHING SUB-TOTALS				0.0 (SQ YD)	74.2 (SQ YD)	0.0 (SQ YD)	0.0 (SQ YD)	0.0 (EACH)

	PATCH AREA				TIE BARS FOR INFO ONLY NO PAYMENT (EACH)
	TYPE I 13.0" 44201385 (SQ YD)	TYPE II 13.0" 44201389 (SQ YD)	TYPE III 13.0" 44201394 (SQ YD)	TYPE IV 13.0" 44201396 (SQ YD)	
CLASS C, 13" PATCHING TOTALS (USE)	0.0 (SQ YD)	285.0 (SQ YD)	39.0 (SQ YD)	29.0 (SQ YD)	10.0 (EACH)

*DOUGLAS & CHAMPAIGN
**F.A.P. 749 & F.A.S. 533

FILE NAME =	USER NAME = gosnellc1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570\DRAWING\0570\Design\0570C42-sh-t-plan.dgn		CHECKED -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	VAR.	D5 CM PATCHING 2017-3	*	10	10
MODELNAME	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		CONTRACT NO. 70C42										
	PLOT DATE = 10/26/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										