

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

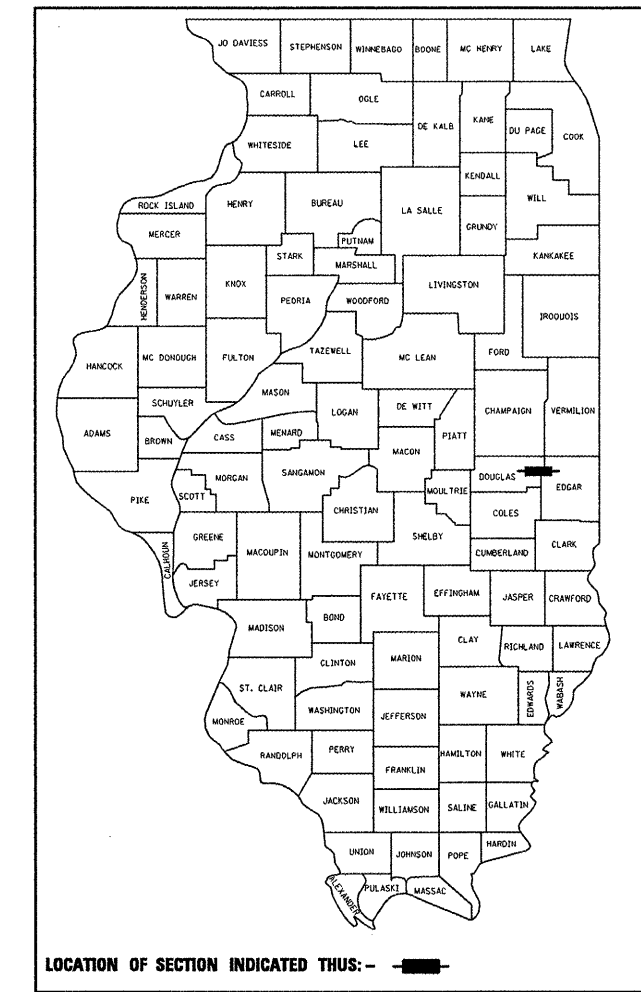
F.A.P. ROUTE 323 (U.S. 36)  
SECTION (145,146)RS-3 & 147RS-5

RESURFACING (SMART)  
IL. 130 (S) TO IL. 49  
DOUGLAS & EDGAR COUNTIES

C-95-017-09

\*26+1=27

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323		ILLINOIS	36	1
CONTRACT NO. 70760				
• (145,146)RS-3 & 147RS-5				
•• DOUGLAS & EDGAR				
D-95-017-09				



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-4A

**PAVING OMISSIONS:**

S.N. 021-2018 STA. 493+78.43 TO STA. 494+89.57  
S.N. 021-8021 STA. 502+88 TO STA. 503+12  
S.N. 021-0050 STA. 517+81 TO STA. 519+03  
S.N. 021-8022 STA. 557+64 TO STA. 557+98  
S.N. 021-2022 STA. 677+38.26 TO STA. 678+45.74  
S.N. 021-8024 STA. 719+36 TO STA. 719+64  
S.N. 021-0052 STA. 828+74.00 TO STA. 830+56.00

**HMA SURFACING (1 1/2" INLAY)**

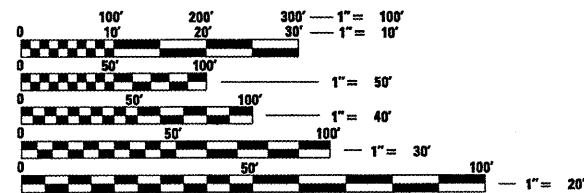
S.N. 021-2019  
S.N. 021-2023  
S.N. 021-8019  
S.N. 021-8020  
S.N. 021-8023

**CURRENT ADT**

	LEG A	LEG B	LEG C
CURRENT ADT	= 4,400	3,250	2,650 (2008)
20 YEAR ADT	= 5,000	3,850	3,300 (2028)
P.U. + P.C. %	= 84.9	80.7	81.5
S.U. %	= 6.1	5.7	6.0
M.U. %	= 9.0	13.6	12.5

**DESIGN DESIGNATION**

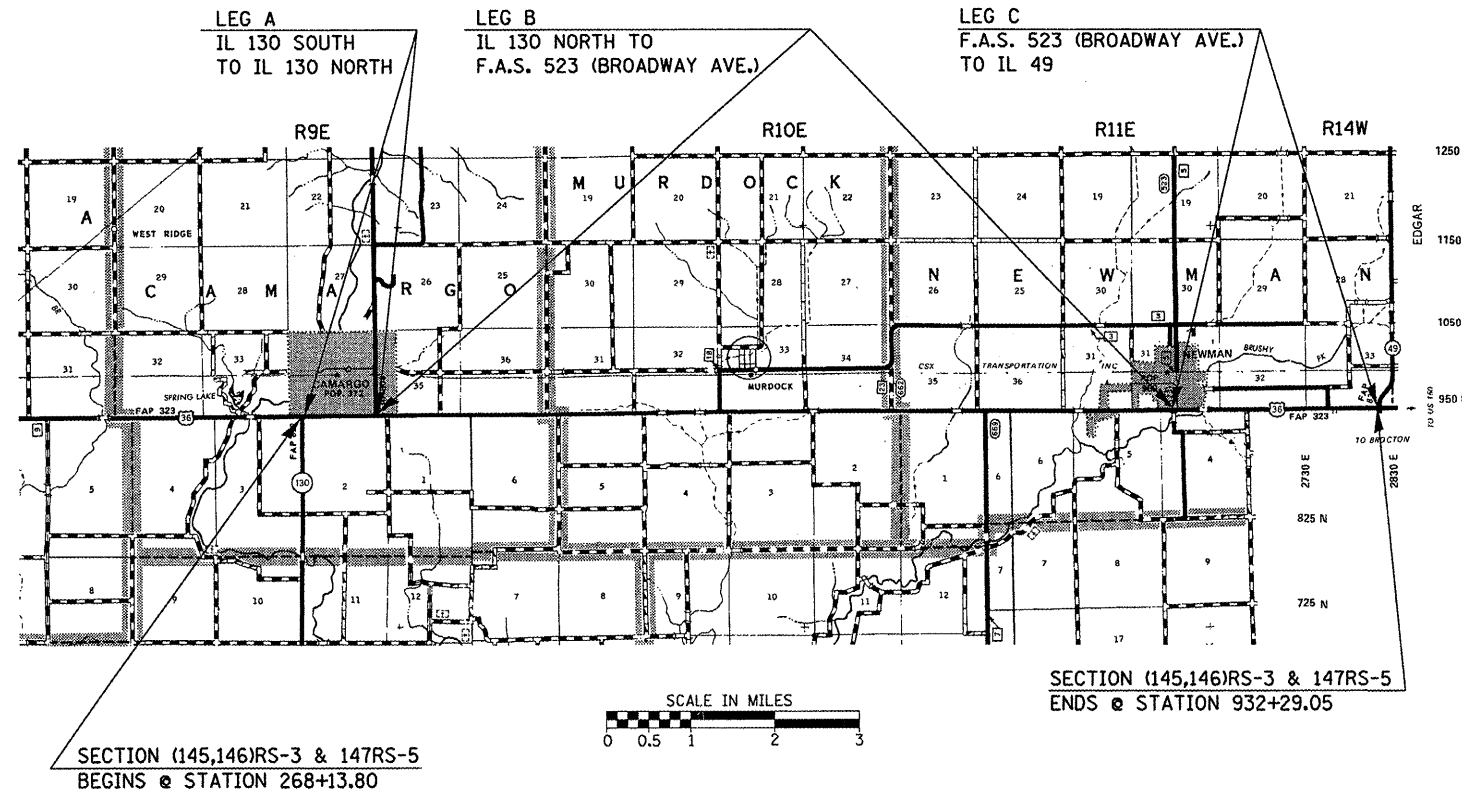
OTHER PRINCIPAL ARTERIAL



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: KEVIN TRAPP  
SQUAD LEADER: JEFF SHERER  
DESIGNER: STEVE JONES  
CONTRACT NO. 70760



GROSS LENGTH = 66,415.25 FT. = 12.579 MILES  
NET LENGTH = 65,806.63 FT. = 12.463 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 11/30 20 09

*Jeff E. Sherer*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 29, 20 10  
*Scott E. Still, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 20 10  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PLOT DATE: 11/27/2009  
 FILE NAME: C:\V\WORK\70760\70760cover.dgn  
 PLOT SCALE: 1/4" = 100'  
 USER: jsherer

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS/ APPLICABLE HIGHWAY STANDARDS
3	GENERAL NOTES
4-4A	SUMMARY OF QUANTITIES
5-8	EXISTING TYPICAL CROSS-SECTIONS
9-12	PROPOSED TYPICAL CROSS-SECTIONS
13-14	SCHEDULE OF PATCHING
15	SCHEDULE OF SURVEY MARKERS TO BE ADJUSTED, TEMPORARY RAMPS
16	SCHEDULES OF PAINT PAVEMENT MARKING, BITUMINOUS MATERIALS (COVER & SEAL COAT) SPL, SURVEY MARKERS, TY 1 SPL
17-20	THERMOPLASTIC STRIPING DETAILS
21-24	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS
25	DETAIL OF PERMANENT SURVEY MARKERS (TYPE IV AND ADJUSTED)
26	SURVEY MARKER TYPE 1, (SPECIAL)
26	SURVEY MARKER TYPE 2, (SPECIAL)

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
701006-03	TRAFFIC CONTROL AND PROTECTION
701201-03	TRAFFIC CONTROL AND PROTECTION
701301-03	TRAFFIC CONTROL AND PROTECTION
701306-02	TRAFFIC CONTROL AND PROTECTION
701311-03	TRAFFIC CONTROL AND PROTECTION
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
701011-02	

\* DOUGLAS & EDGAR

FILE NAME =	USER NAME = shorerjm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS /HIGHWAY STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\PWIDOT\SHERERJM\0115071\70750Index.dgn		DRAWN - JMS	REVISED -			323	145,146RS-3 & 147RS-5	*	26	2
PLOT SCALE = 100.0000 "/ IN.		CHECKED - JMS	REVISED -						CONTRACT NO. 70760	
PLOT DATE = 11/27/2009		DATE - 01/08/2009	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

## 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.-406**

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

**G.N. -406H**

**MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

MIXTURE USES	AC/PG	RAP % (MAX.)	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE
HMA SC "C" N50	PG 64-22	15	4.0% @ Ndes =50	IL. 9.5	MIX C
Class D	PG 64 -22	25	4.0% @ Ndes = 50	IL 19.0	N.A.

**G.N.-442B**

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.-667**

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S , AND PI'S).PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

**G.N.-703A**

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

**G.N.-781**

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

**G.N.-1004.01**

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

NO COMMITMENTS

• DOUGLAS & EDGAR

FILE NAME =	USER NAME = sherer,jm	DESIGNED - SCJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\PWIDOT\SHERERJM\0115071\707	01index.dgn	DRAWN - BBP	REVISED -			323	(145,146)RS-3 & (147RS-5)	.	26	3	
PLOT SCALE = 40.0000' / IN.	CHECKED - SCJ	REVISED -				CONTRACT NO. 70760					
PLOT DATE = 11/27/2009	DATE - 01/06/09	REVISED -				ILLINOIS FED. AID PROJECT					
				SCALE: N/A		SHEET NO. 1 OF 1 SHEETS		STA. 70760		TO STA. 70760	



ROADWAY  
IMPROVEMENTS  
FAP 323 (US 36)  
STATION 856+25.71  
TO  
STATION 932+29.05  
1000  
100% STATE  
QUANTITY

ROADWAY  
IMPROVEMENTS  
FAP 323 (US 36)  
STATION 268+13.80  
TO  
STATION 856+25.71  
1000  
100% STATE  
QUANTITY

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY	100% STATE QUANTITY	100% STATE QUANTITY
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.1	0.9
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	13,683.0	1,521.0	12,162.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,561.0	507.0	4,054.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	249.6	0.0	249.6
* 78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	25,639.0	486.0	25,153.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	386.0	0.0	386.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	896.0	22.0	874.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	FOOT	68.0	0.0	68.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	143,496.0	20,565.4	122,930.6
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,055.0	156.0	899.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,055.0	156.0	899.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL	GALLON	8,770.0	1,014.0	7,756.0
XZ193300	PERMANENT SURVEY MARKERS, TYPE I (SPECIAL)	EACH	6.0	2.0	4.0

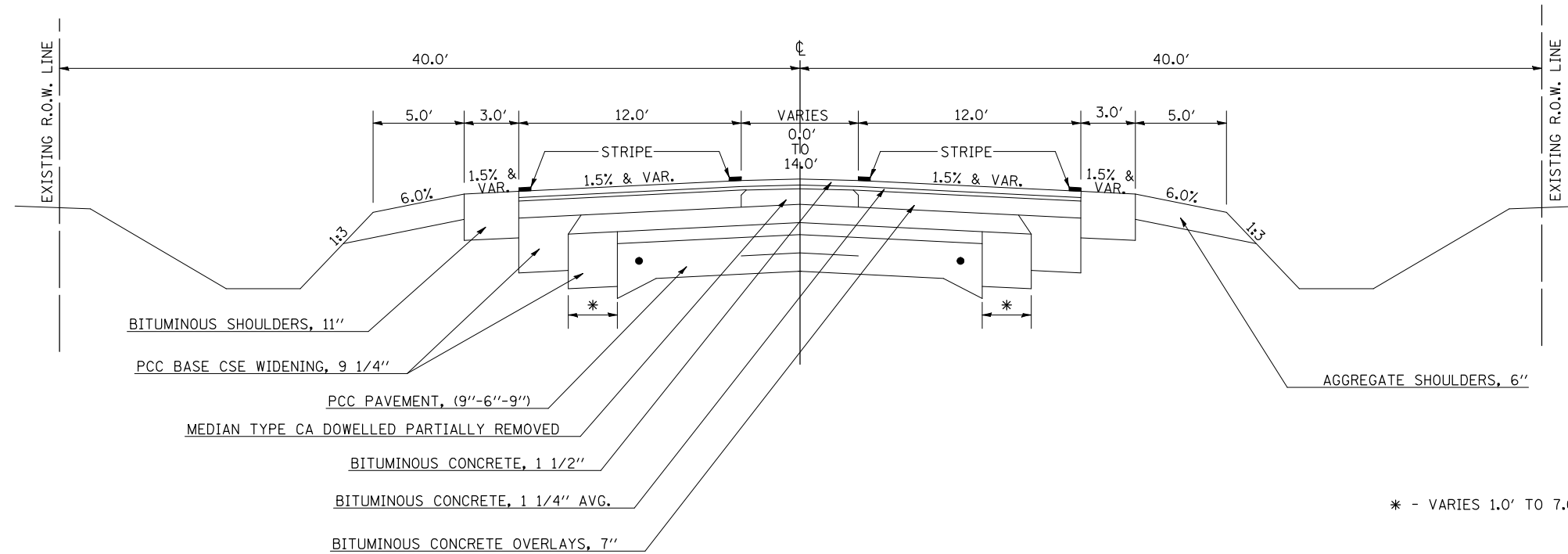
\* SPECIALTY ITEMS

\*DOUGLAS & EDGAR

FILE NAME =	USER NAME = sherer-jm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\FWID01\SHERERJM\d0115071\707	80500.dgn	DRAWN - JMS	REVISED -		323	(145,146)RS-3 & 147RS-5)	*	26	4A				
PLOT SCALE = 40.0000' / IN.	CHECKED - JMS	REVISED -	SCALE:		SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 70760					
PLOT DATE = 11/30/2009	DATE - 01/10/2009	REVISED -	ILLINOIS FED. AID PROJECT										

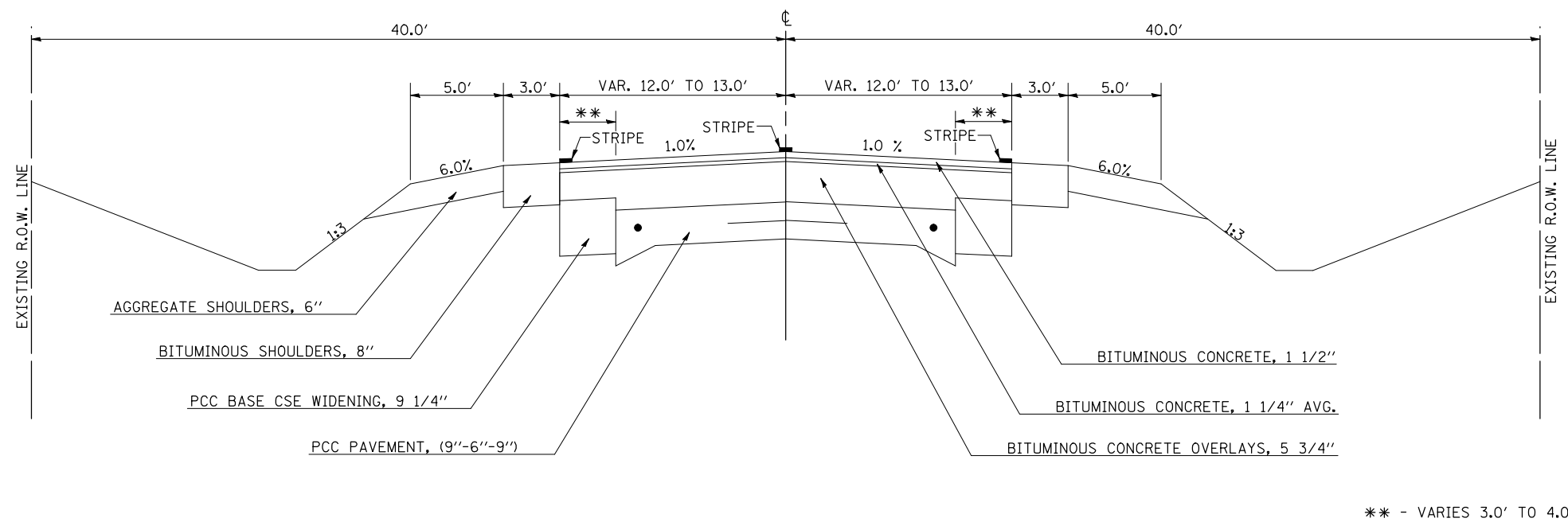
## EXISTING TYPICAL CROSS-SECTION

STATION 268+13.80 TO STATION 282+74.43



## EXISTING TYPICAL CROSS-SECTION

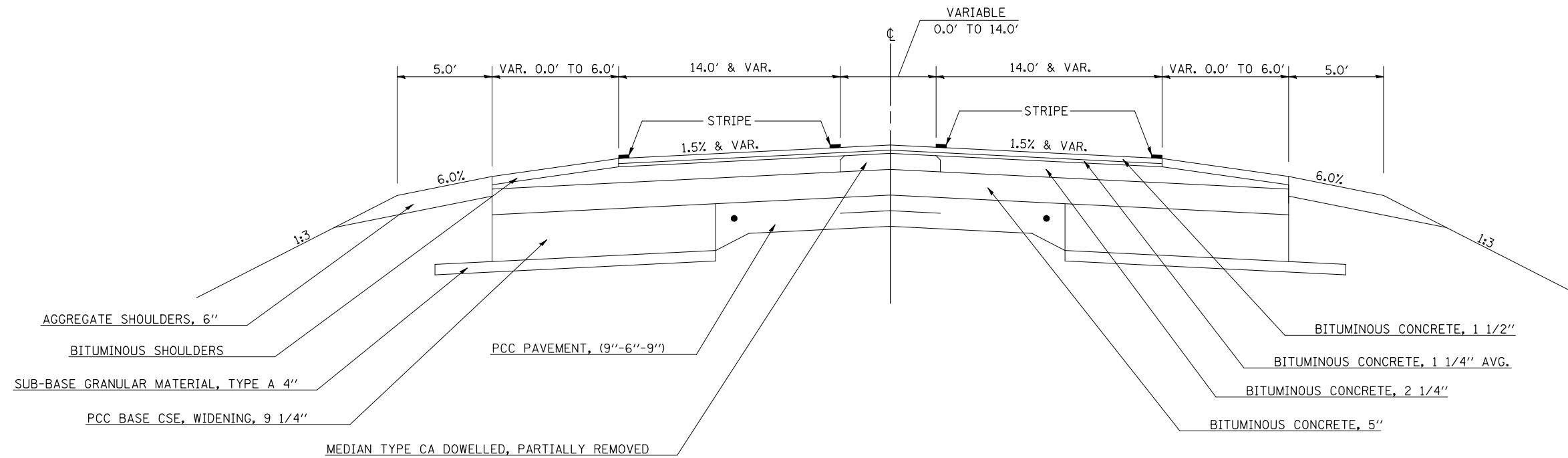
STATION 282+74.43 TO STATION 309+08.95



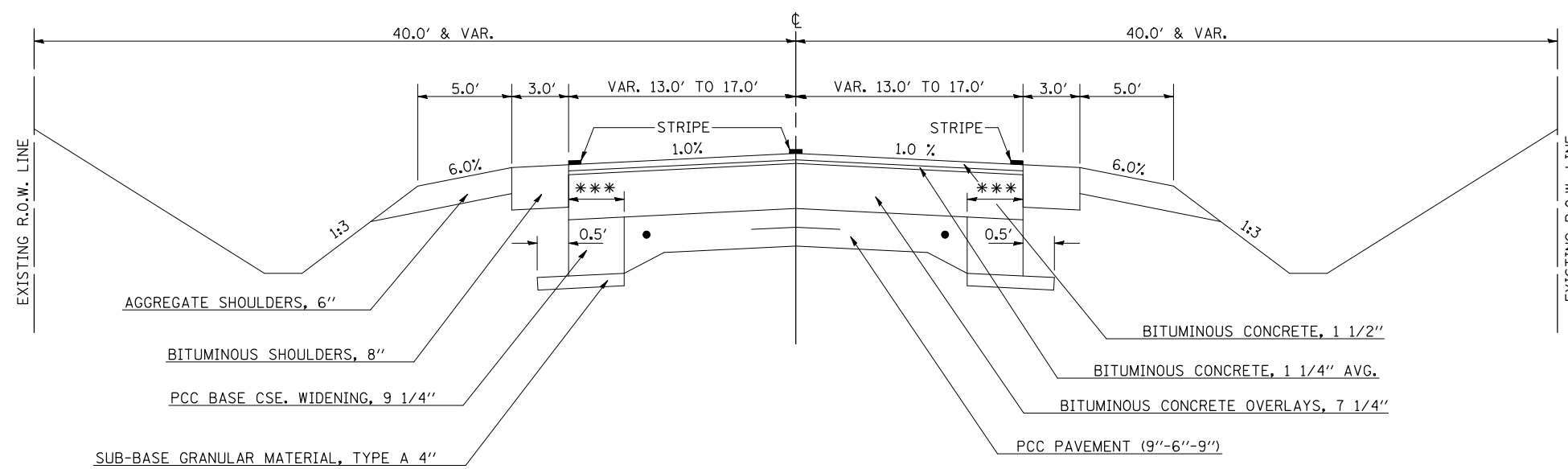
• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 70760					
PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -										

## EXISTING TYPICAL CROSS-SECTION STATION 309+08.95 TO STATION 323+57.45



## EXISTING TYPICAL CROSS-SECTION STATION 323+57.45 TO STATION 326+71.43



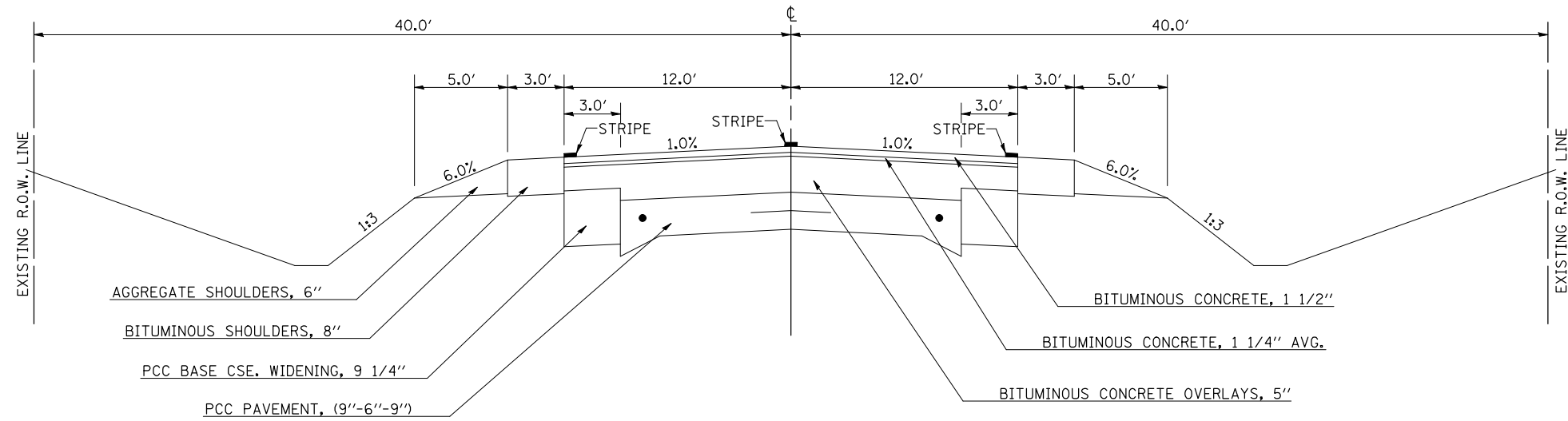
\*\*\* - VARIES 4.0' TO 8.0'

• DOUGLAS & EDGAR

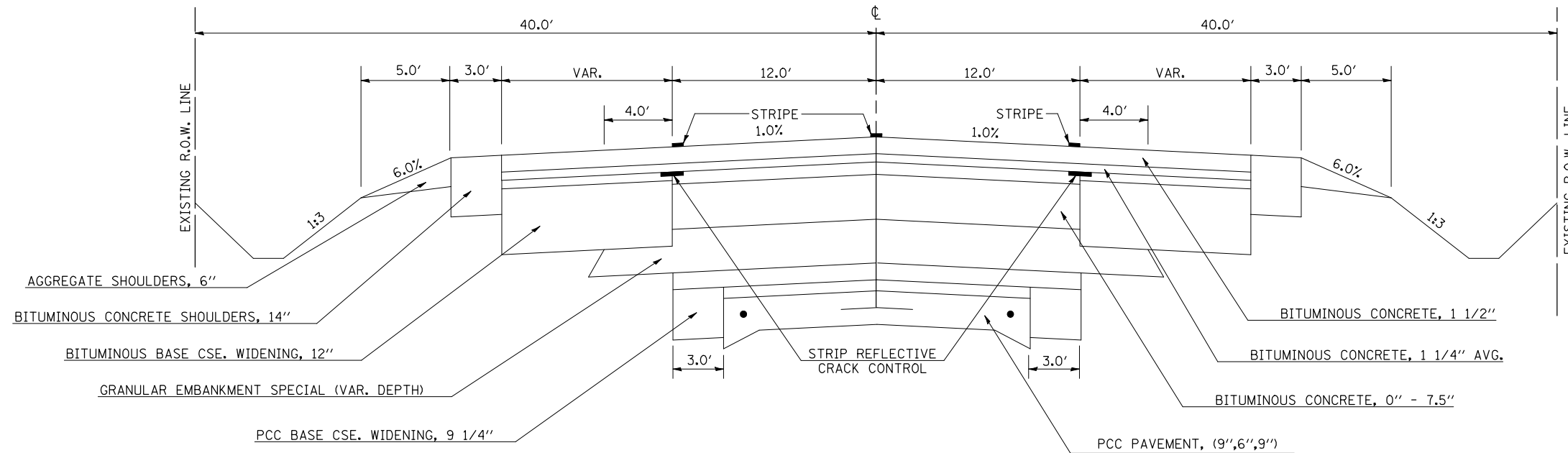
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ct:\pw\work\PWIDOT\SHERERJM\0115071\0570768-sht-typicol.dgn		DRAWN - JDC	REVISED -		323	(145,146(RS-3 & 147RS-5)	*	27	6			
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PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -		SCALE: N/A	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**EXISTING TYPICAL CROSS-SECTION**  
 STATION 326+71.43 TO STATION 748+77.79  
 STATION 768+83.70 TO STATION 773+04.63

PAVING OMISSIONS:  
 SN 021-2018 STA. 493+78.43 TO STA. 494+89.57  
 SN 021-8021 STA. 502+88.00 TO STA. 503+12.00  
 SN 021-0050 STA. 517+81.00 TO STA. 519+03.00  
 SN 021-8022 STA. 557+64.00 TO STA. 557+98.00  
 SN 021-2022 STA. 677+38.26 TO STA. 678+45.74  
 SN 021-8024 STA. 719+36.00 TO STA. 719+64.00



**EXISTING TYPICAL CROSS-SECTION**  
 STATION 748+77.79 TO STATION 768+83.70



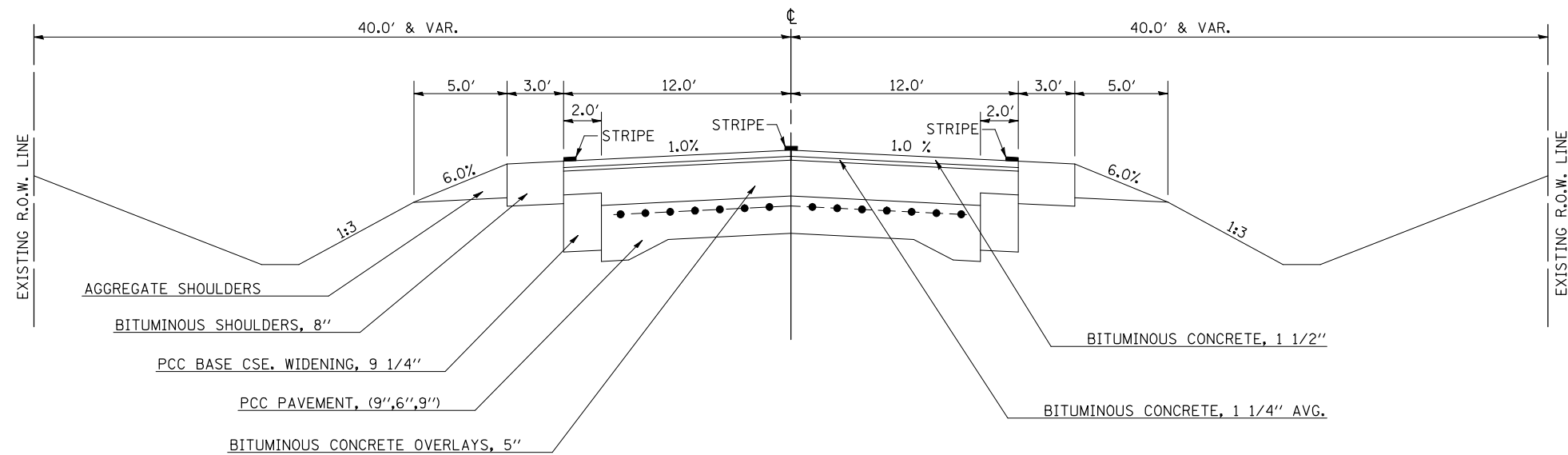
• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\SHERERJM\d0115071\0570768-sht-typicol.dgn		DRAWN - JDC	REVISED -		SCALE: N/A	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.	323	(145,146(RS-3 & 147RS-5)	*	27	7
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PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -										

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

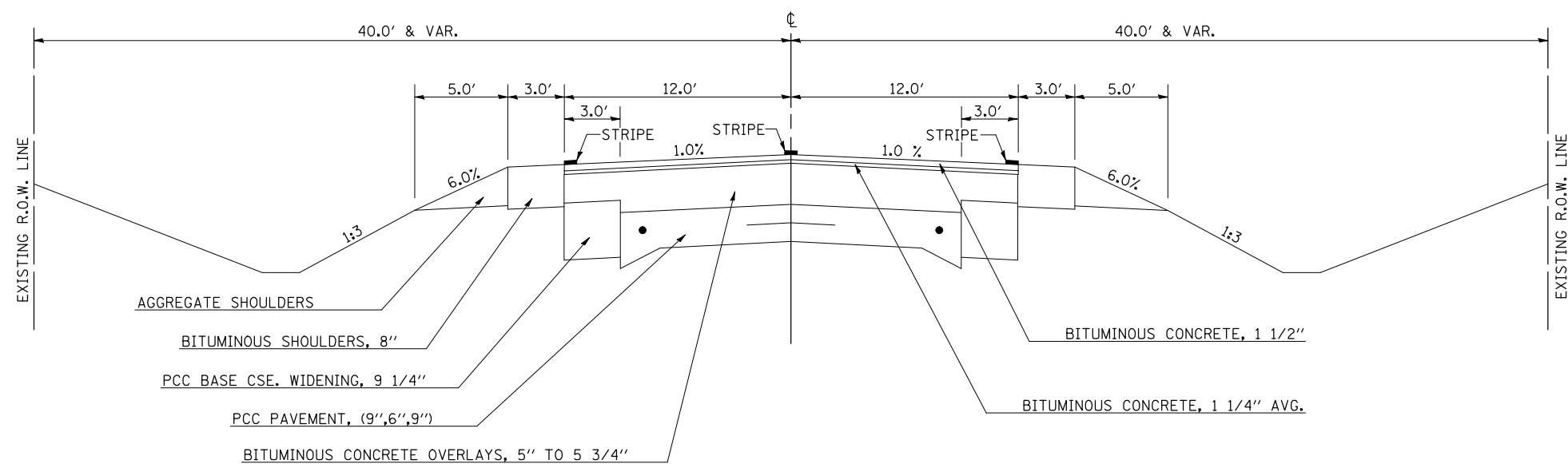


**EXISTING TYPICAL CROSS-SECTION**  
**STATION 773+04.63 TO STATION 782+03.58**



**EXISTING TYPICAL CROSS-SECTION**  
**STATION 782+03.58 TO STATION 932+29.05**

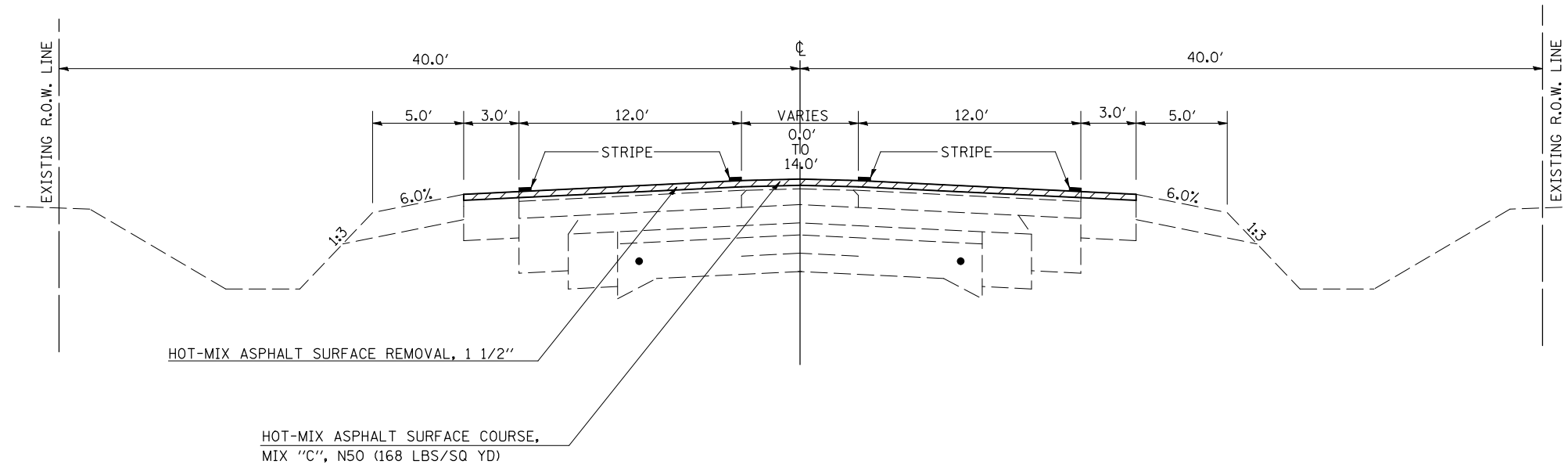
PAVING OMISSIONS:  
 SN 021-0052 STA. 828+74.00 TO STA. 830+56.00



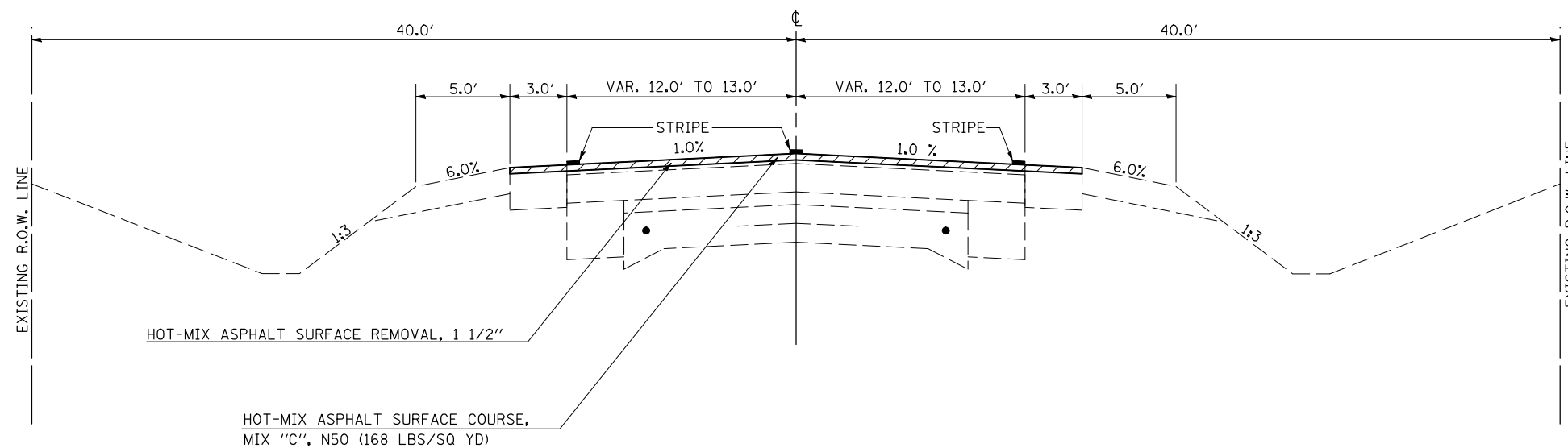
• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -		SCALE: N/A	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

① PROPOSED TYPICAL CROSS-SECTION  
STATION 268+13.80 TO STATION 282+74.43 ②



② PROPOSED TYPICAL CROSS-SECTION  
① STATION 282+74.43 TO STATION 309+08.95 ③



• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -
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PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

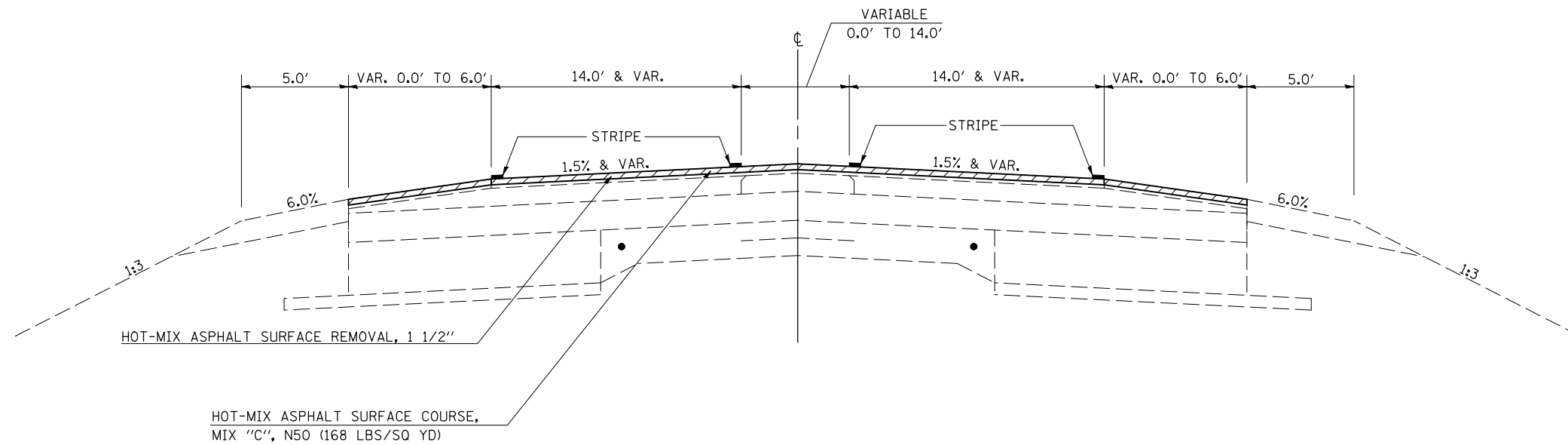
PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146(RS-3 & 147RS-5)	*	27	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70760	

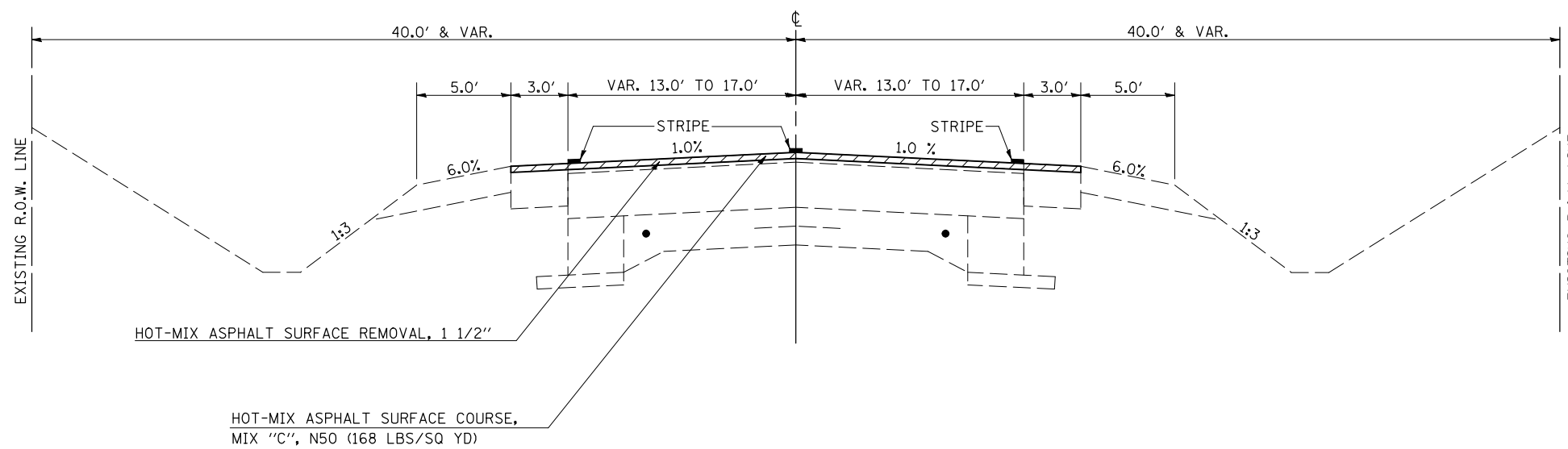
③ PROPOSED TYPICAL CROSS-SECTION

② STATION 309+08.95 TO STATION 323+57.45 ④



④ PROPOSED TYPICAL CROSS-SECTION

③ STATION 323+57.45 TO STATION 326+71.43 ⑤



• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -
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		CHECKED -	REVISED -
		DATE - 01/06/09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL CROSS SECTIONS

SCALE: N/A SHEET NO. 2 OF 4 SHEETS STA. TO STA.

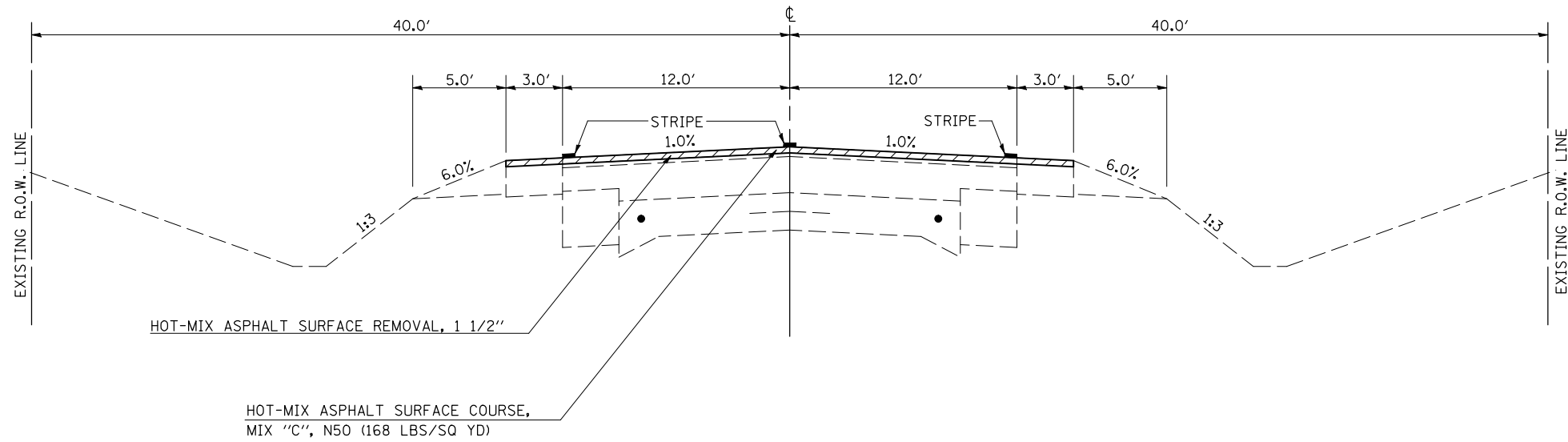
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146(RS-3 & 147RS-5)	*	27	10
CONTRACT NO. 70760				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

⑤ PROPOSED TYPICAL CROSS-SECTION

④ STATION 326+71.43 TO STATION 748+77.79 ⑥

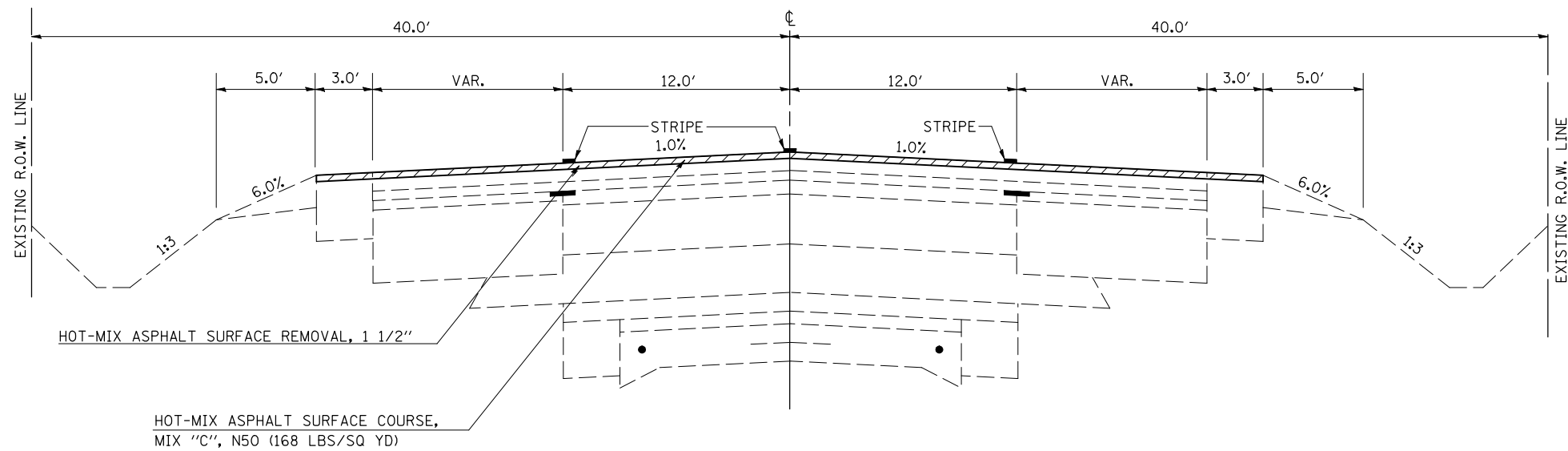
⑥ STATION 768+83.70 TO STATION 773+04.63 ⑦

PAVING OMISSIONS:  
 SN 021-2018 STA. 493+78.43 TO STA. 494+89.57  
 SN 021-8021 STA. 502+88.00 TO STA. 503+12.00  
 SN 021-0050 STA. 517+81.00 TO STA. 519+03.00  
 SN 021-8022 STA. 557+64.00 TO STA. 557+98.00  
 SN 021-2022 STA. 677+38.26 TO STA. 678+45.74  
 SN 021-8024 STA. 719+36.00 TO STA. 719+64.00



⑥ PROPOSED TYPICAL CROSS-SECTION

⑤ STATION 748+77.79 TO STATION 768+83.70 ⑤



• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -
ct:\pw\work\PWIDOT\SHERERJM\0115071\0570768-shr-typic01.dgn		DRAWN - JDC	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

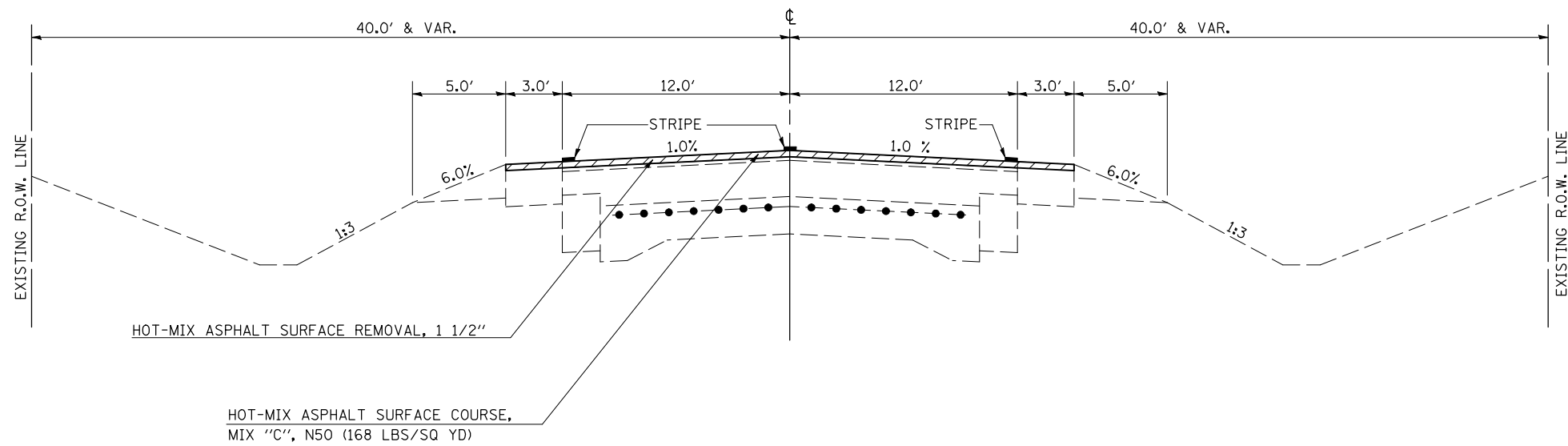
PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	045, 146RS-3 & 147RS-5	*	27	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70760	

⑦ PROPOSED TYPICAL CROSS-SECTION

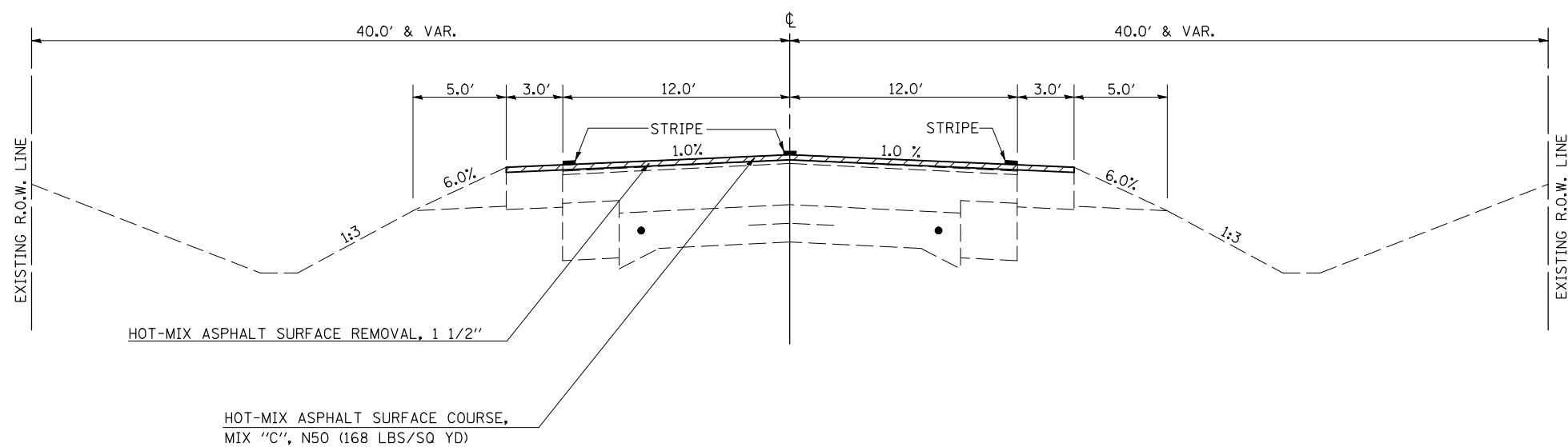
⑤ STATION 773+04.63 TO STATION 782+03.58 ⑧



⑧ PROPOSED TYPICAL CROSS-SECTION

⑦ STATION 782+03.58 TO STATION 932+29.05

PAVING OMISSIONS:  
SN 021-0052 STA. 828+74.00 TO STA. 830+56.00



• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - SCJ	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 11/27/2009		DATE - 01/06/09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146(RS-3 & 147RS-5)	*	27	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70760	

PATCHING SCHEDULE			44201815	44201819	44201827	44201835	44201839
LOCATION	STATION	SIZE	CL D TY II 14"	CL D TY III 14"	CL D TY II 15"	CL D TY I 16"	CL D TY II 16"
EB	269+19	6X12					8
WB	269+19	6X12					8
MEDIAN	269+19	6X4				2.7	
EB	270+07	6X12					8
WB	270+07	6X12					8
MEDIAN	270+07	6X8					5.3
EB	270+97	6X12					8
WB	270+97	6X12					8
MEDIAN	270+97	6X10					6.7
EB	271+51	10X12					13.3
EB	278+31	8X12					10.7
WB	278+31	8X12					10.7
MEDIAN	278+31	8X4				3.6	
EB	278+85	6X12					8
WB	278+85	6X12					8
MEDIAN	278+85	6X12				2.7	
EB	279+62	6X12					8
WB	279+62	6X12					8
MEDIAN	279+62	6X5				3.3	
EB	286+50	6X12			8		
WB	286+50	6X12			8		
EB	288+74	10X12			13.3		
WB	288+74	10X12			13.3		
EB	290+38	6X12			8		
WB	290+38	6X12			8		
EB	291+64	6X12			8		
WB	291+64	6X12			8		
EB	296+07	6X12			8		
EB	304+59	10X12			13.3		
WB	304+59	10X12			13.3		
EB	313+59	8X12					10.7
WB	313+59	8X12					10.7
MEDIAN	313+59	8X12					10.7
EB	314+68	8X12					10.7
WB	314+68	8X12					10.7
LT. TURN LANE	314+68	8X12					10.7
EB	315+52	6X12					8
WB	315+52	6X12					8
LT. TURN LANE	315+52	6X12					8
EB	321+67	6X12					8
WB	321+67	6X12					8
MEDIAN	321+67	6X12					8
EB	332+58	6X12	8				
WB	332+58	6X12	8				
EB	335+25	6X12	8				
WB	335+25	6X12	8				
EB	341+55	6X12	8				

PATCHING SCHEDULE			44201815	44201819	44201827	44201835	44201839
LOCATION	STATION	SIZE	CL D TY II 14"	CL D TY III 14"	CL D TY II 15"	CL D TY I 16"	CL D TY II 16"
WB	341+55	6X12	8				
EB	346+40	12X12		16			
WB	346+40	12X12		16			
EB	357+43	8X12	10.7				
WB	357+43	8X12	10.7				
EB	361+32	8X12	10.7				
WB	361+32	8X12	10.7				
EB	370+15	6X12	8				
WB	370+15	6X12	8				
EB	373+03	6X12	8				
WB	373+03	6X12	8				
EB	374+83	6X12	8				
WB	374+83	6X12	8				
EB	378+83	6X12	8				
WB	378+83	6X12	8				
EB	381+23	6X12	8				
WB	381+23	6X12	8				
EB	387+13	6X12	8				
WB	387+13	6X12	8				
EB	392+50	6X12	8				
WB	392+50	6X12	8				
EB	394+78	6X12	8				
WB	394+78	6X12	8				
EB	397+22	6X12	8				
WB	397+22	6X12	8				
EB	399+89	6X12	8				
WB	399+89	6X12	8				
EB	402+43	6X12	8				
WB	402+43	6X12	8				
EB	408+14	6X12	8				
WB	408+14	6X12	8				
EB	411+44	6X12	8				
WB	411+44	6X12	8				
EB	426+17	6X12	8				
WB	426+17	6X12	8				
EB	430+62	6X12	8				
WB	430+62	6X12	8				
EB	460+50	6X12	8				
WB	460+50	6X12	8				
EB	479+48	6X12	8				
WB	479+48	6X12	8				
EB	482+41	6X12	8				
WB	482+41	6X12	8				
EB	487+49	6X12	8				
WB	487+49	6X12	8				
EB	499+10	6X12	8				
WB	499+10	6X12	8				

• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>	
SCALE:	SHEET NO. 1 OF 4 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)RS-3 & 147RS-5)	*	27	13
CONTRACT NO. 70760			ILLINOIS FED. AID PROJECT	

PATCHING SCHEDULE			44201815	44201819	44201827	44201835	44201839
LOCATION	STATION	SIZE	CL D TY II 14"	CL D TY III 14"	CL D TY II 15"	CL D TY I 16"	CL D TY II 16"
EB	512+25	6X12	8				
WB	512+25	6X12	8				
EB	513+54	6X12	8				
WB	513+54	6X12	8				
EB	513+89	8X12	10.7				
WB	513+89	8X12	10.7				
EB	534+78	6X12	8				
WB	534+78	6X12	8				
EB	543+58	6X12	8				
WB	543+58	6X12	8				
EB	546+05	6X12	8				
WB	546+05	6X12	8				
EB	588+76	6X12	8				
WB	588+76	6X12	8				
EB	636+24	6X12	8				
WB	636+24	6X12	8				
EB	665+77	6X12	8				
WB	665+77	6X12	8				
EB	713+29	6X12	8				
EB	724+04	6X12	8				
WB	724+04	6X12	8				
EB	737+77	6X12	8				
WB	737+77	6X12	8				
EB	776+00	6X12	8				
WB	776+00	6X12	8				
EB	777+50	6X12	8				
WB	777+50	6X12	8				
EB	778+52	6X12	8				
WB	778+52	6X12	8				
EB	779+01	6X12	8				
WB	779+01	6X12	8				
EB	795+94	10X12			13.3		
WB	795+94	10X12			13.3		
EB	909+80	6X12			8		
WB	909+80	6X12			8		
EB	918+37	6X12			8		
WB	918+37	6X12			8		
EB	919+60	6X12			8		
WB	919+60	6X12			8		
EB	927+75	6X12			8		
WB	927+75	6X12			8		
TOTAL QUANTITY (SQ. YD.)			664.2	32	199.8	12.3	238.9

• DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\SHERERJM\d0115071\70760Schedules.dgn		DRAWN -	REVISED -					323	(145,146)RS-3 & 147RS-5)	*	27	14
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70760			ILLINOIS FED. AID PROJECT				
PLOT DATE = 11/27/2009		DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.				

**40600990**

**TEMPORARY RAMPS**

ROUTE	LOCATION	SIZE	SQ. YDS.
U.S. 36	268+13.80	5'X44'	24.44
IL. 130 (S)	691+00.00	5'X30'	16.67
IL. 130 (N)	3+33.00	5'X44'	24.44
U.S. 36	493+78.43	5'X30'	16.67
U.S. 36	494+89.57	5'X30'	16.67
U.S. 36	502+88.00	5'X30'	16.67
U.S. 36	503+12.00	5'X30'	16.67
U.S. 36	517+81.00	5'X30'	16.67
U.S. 36	519+03.00	5'X30'	16.67
U.S. 36	557+64.00	5'X30'	16.67
U.S. 36	557+98.00	5'X30'	16.67
U.S. 36	677+38.26	5'X30'	16.67
U.S. 36	678+45.74	5'X30'	16.67
U.S. 36	719+36.00	5'X30'	16.67
U.S. 36	719+64.00	5'X30'	16.67
U.S. 36	828+74.00	5'X30'	16.67
U.S. 36	830+56.00	5'X30'	16.67
U.S. 36	932+29.05	5'X30'	16.67
<b>IN NEWMAN</b>			
	F.A.S 662	3'X160'	53.33
	TR 2530	3'X50'	16.67
	KING ST.	3'X50'	16.67
	BROADWAY AVE.	3'X160'	53.33
	HOPKINS ST.	3'X50'	16.67
	TR 2575E	3'X50'	16.67
	<b>TOTAL</b>		<b>488.94</b>

**NOTE: 3' WIDTH USED AT SIDE ROADS TO AVOID ENCROACHING ON MAINLINE PAVEMENT**

**66700110  
PERMANENT SURVEY MARKERS TO BE ADJUSTED**

METRIC STATION	ENGLISH STATION	O/S IN FEET	EACH	DESCRIPTION
254+26.516	273+87.015	5.32	1	
259+86.583	292+24.505	6.71	1	
268+04.025	319+06.402	10.50	1	
270+17.371	326+06.356	11.08	1	
276+10.753	345+53.147	13.79	1	
290+04.756	391+26.648		1	P.O.T.
298+20.656	418+03.485		1	P.C.
299+73.056	423+03.485		1	P.I.
300+31.423	424+94.978	12.42	1	
301+25.424	428+03.380		1	P.R.C.
302+77.824	433+03.380		1	P.I.
304+30.191	438+03.272		1	P.T.
310+09.770	457+04.778		1	P.C.
311+62.170	462+04.778		1	P.I.
313+14.541	467+04.683		1	P.R.C.
314+66.941	472+04.683		1	P.I.
316+19.311	477+04.584		1	P.T.
316+52.365	478+13.029	0.99	1	
318+26.595	483+84.650	0.73	1	
324+61.265	504+66.900	0.73	1	
332+70.190	531+20.854	0.00	1	
334+52.552	537+19.154	0.55	1	
338+50.632	550+25.191		1	P.I.
340+00.000	555+15.244		1	P.I.
340+78.085	557+71.428	2.63	1	
345+21.771	572+27.091		1	P.C.
348+85.986	584+22.022	2.45	1	
349+15.483	585+18.797		1	P.T.
350+16.190	588+49.200	3.51	1	
354+41.984	602+46.162		1	P.I.
356+94.035	610+73.101	9.22	1	
358+00.000	614+20.755		1	P.I.
365+02.088	637+24.194	11.46	1	
366+00.000	640+45.427		1	P.I.
366+54.796	642+25.204	10.27	1	
373+09.573	663+73.423	5.90	1	
374+25.594	667+54.069		1	P.T.
378+11.584	680+20.440		1	P.C.
381+17.059	690+22.655	1.26	1	
382+71.772	695+30.244	1.20	1	
384+22.619	700+25.148		1	P.T.
387+11.651	709+73.416	3.42	1	
389+33.380	717+00.873	4.71	1	

**66700110  
PERMANENT SURVEY MARKERS TO BE ADJUSTED**

METRIC STATION	ENGLISH STATION	O/S IN FEET	EACH	DESCRIPTION
390+83.98	721+94.98	3.10	1	
397+43.36	743+58.29	3.59	1	
398+96.30	748+60.07	0.03	1	
402+39.31	759+85.42	7.05	2	
405+12.44	768+81.50		1	P.C.
407+12.82	775+38.92	0.38	1	
407+62.08	777+00.56		1	P.I.
410+11.73	785+19.61		1	P.T.
410+41.71	786+17.95	0.00	1	
415+36.31	802+40.66	12.40	1	
415+47.27	802+76.64		1	P.C.
418+59.02	812+99.43		1	P.I.
421+70.76	823+22.20		1	P.T.
431+77.53	856+25.26	13.60	1	
002+95.94	865+96.64	12.25	1	
008+36.82	883+71.19	9.44	1	
011+06.65	892+56.44	8.03	1	
016+54.05	910+52.37	0.20	1	
018+00.00	915+31.22		1	P.I.
019+12.89	919+01.61	4.60	1	
<b>TOTAL =</b>			<b>64</b>	<b>EACH</b>



40300602

**SEAL COAT AGGREGATE, SPECIAL**

	LOCATION	OFFSET	WIDTH	TONS
LT. & RT.	268+13.80 TO 282+74.43	9.0'	2.0'	6.5
LT. & RT.	282+74.43 TO 309+08.95	9.0'	2.0'	11.7
LT. & RT.	309+08.95 TO 323+57.45	* VARIES	2.0'	6.4
LT. & RT.	323+57.45 TO 326+71.43	9.0' & VAR.	2.0'	1.4
LT. & RT.	326+71.43 TO 493+78.43	9.0'	2.0'	74.30
	493+78.43 TO 494+89.57	BRIDGE OMISSION		
LT. & RT.	494+89.57 TO 502+88.00	9.0'	2.0'	3.5
LT. & RT.	502+88 TO 503+12	CULVERT OMISSION		
LT. & RT.	503+12.00 TO 517+81.00	9.0'	2.0'	6.5
	517+81 TO 519+03			
LT. & RT.	519+03.00 TO 557+64.00	9.0'	2.0'	17.2
	557+64 TO 557+98	CULVERT OMISSION		
LT. & RT.	557+98.00 TO 677+38.26	9.0'	2.0'	53.10
	677+38.26 TO 678+45.74	BRIDGE OMISSION		
LT. & RT.	678+45.74 TO 719+36.00	9.0'	2.0'	18.2
	719+36 TO 719+64	CULVERT OMISSION		
LT. & RT.	719+64.00 TO 828+74.00			24.20
	828+74 TO 830+56	BRIDGE OMISSION		
LT. & RT.	830+56.00 TO 856+25.71	9.0'	2.0'	5.7
	856+25.71 = DOUGLAS / EDGAR CO. LINE			
LT. & RT.	856+25.71 TO 932+29.05	9.0'	2.0'	16.90
* - VERIFY IN FIELD		TOTAL	TONS	246.0

X4032500

**BITUMINOUS MATERIALS (COVER & SEAL COATS) SPECIAL**

	LOCATION	OFFSET	WIDTH	GAL.
LT. & RT.	268+13.80 TO 282+74.43	9.0'	2.0'	194.75
LT. & RT.	282+74.43 TO 309+08.95	9.0'	2.0'	351.27
LT. & RT.	309+08.95 TO 323+57.45	* VARIES	2.0'	193.13
LT. & RT.	323+57.45 TO 326+71.43	9.0' & VAR.	2.0'	41.87
LT. & RT.	326+71.43 TO 493+78.43	9.0'	2.0'	2,222.76
	493+78.43 TO 494+89.57	BRIDGE OMISSION		
LT. & RT.	494+89.57 TO 502+88.00	9.0'	2.0'	106.46
LT. & RT.	502+88 TO 503+12	CULVERT OMISSION		
LT. & RT.	503+12.00 TO 517+81.00	9.0'	2.0'	195.87
	517+81 TO 519+03			
LT. & RT.	519+03.00 TO 557+64.00	9.0'	2.0'	514.8
	557+64 TO 557+98	CULVERT OMISSION		
LT. & RT.	557+98.00 TO 677+38.26	9.0'	2.0'	1,592.03
	677+38.26 TO 678+45.74	BRIDGE OMISSION		
LT. & RT.	678+45.74 TO 719+36.00	9.0'	2.0'	545.37
	719+36 TO 719+64	CULVERT OMISSION		
LT. & RT.	719+64.00 TO 828+74.00			1,454.67
	828+74 TO 830+56	BRIDGE OMISSION		
LT. & RT.	830+56.00 TO 856+25.71	9.0'	2.0'	342.63
	856+25.71 = DOUGLAS / EDGAR CO. LINE			
LT. & RT.	856+25.71 TO 932+29.05	9.0'	2.0'	1,013.78
* - VERIFY IN FIELD		TOTAL	GALLONS	8769.39

78001110

**PAINT PAVEMENT MARKING LINE - 4"**

LOCATION	4" WHITE FEET	4" YELLOW FEET	
268+13.80 - 282+74.43 = THERMOPLASTIC			
LT. & RT. 282+74.43-310+03	5,457.14	682.14	
310+03 TO 323+68.26 = BRIDGE OMISSION			
LT. & RT. 323+68.26 - 493+78.43	34,020.34	4,252.54	
493+78.43 TO 494+89.57 = BRIDGE OMISSION			
LT. & RT. 494+89.57 - 517+81.00	4,582.86	572.86	
517+81 TO 519+03 = BRIDGE OMISSION			
LT. & RT. 519+03.00 - 677+38.26	31,670.52	3,958.82	
677+38.26 TO 678+45.74 = BRIDGE OMISSION			
LT. & RT. 678+45.74 - 752+82.30	14,873.12	1,859.14	
752+82.30 TO 768+83.70 = THERMOPLASTIC			
LT. & RT. 768+83.70 - 828+74.00	11,980.60	1,497.58	
828+74.00 TO 830+56.00 = BRIDGE OMISSION			
LT. & RT. 830+56.00 - 856+25.71	5,139.42	642.43	
EDGAR CO. LINE = 856+25.71			
LT. & RT. 856+25.71 - 932+29.05	15,206.68	1,900.84	
<b>NO PASSING ZONES</b>			
W.B. 282+74 - 286+48		374	
E.B. 306+56 - 310+03		347	
W.B. 323+02.67 - 332+12.75		910.1	
E.B. 747+08 - 752+85		577	
E.B. & W.B. 768+83.7 - 776+61		1,554.60	
E.B. 776+60.91 - 787+27.18		1,066.30	
E.B. 926+16.05 - 929+86.05		370	
<b>TOTALS</b>	<b>122,930.68</b>	<b>20,565.35</b>	<b>143,496.03</b>

XZ193300

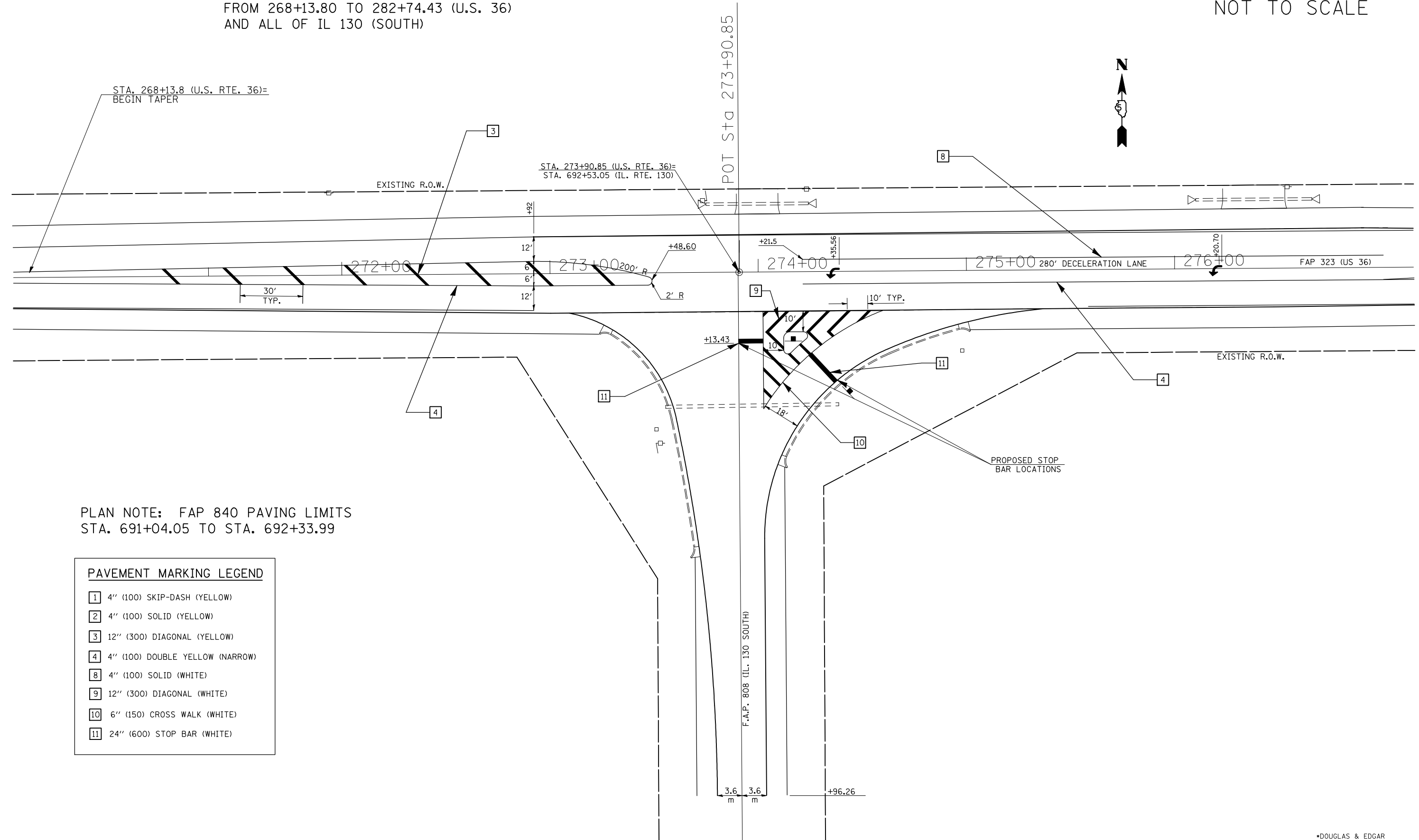
**PERMANENT SURVEY MARKERS, TYPE 1 (SPECIAL)**

METRIC STATION	ENGLISH STATION	EACH	DESCRIPTION
254+27.69	273+90.85	1	P.O.T.
270+19.90	326+14.64	1	P.I.
347+18.63	578+72.94	1	P.I.
396+95.89	742+02.55	1	P.O.T.
000+00.00	856+25.71	1	P.O.T.
022+72.15	930+80.28	1	P.C.
<b>TOTAL =</b>		<b>6</b>	<b>EACH</b>

• DOUGLAS & EDGAR

THERMOPLASTIC LIMITS  
 FROM 268+13.80 TO 282+74.43 (U.S. 36)  
 AND ALL OF IL 130 (SOUTH)

NOT TO SCALE



PLAN NOTE: FAP 840 PAVING LIMITS  
 STA. 691+04.05 TO STA. 692+33.99

**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)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) CROSS WALK (WHITE)
- 11 24" (600) STOP BAR (WHITE)

•DOUGLAS & EDGAR

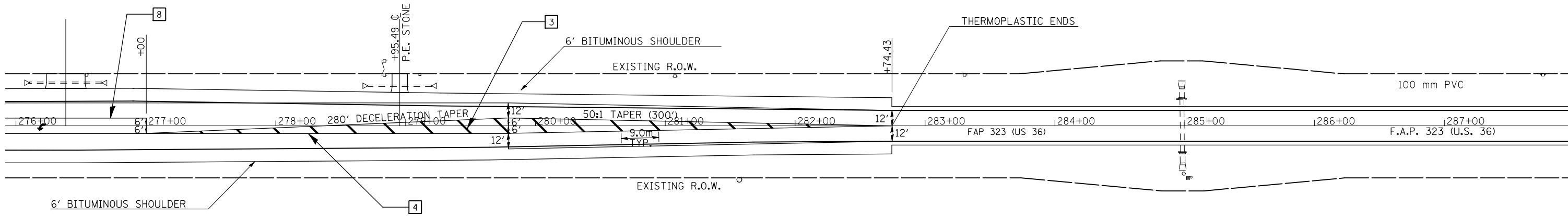
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		CHECKED - JMS	REVISED -
		DATE - 12/29/08	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS IL 130 SOUTH**

SCALE: N/A SHEET NO. 1 OF 4 SHEETS STA. 691+00.00 TO STA. 692+33.99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)RS-3 & 147RS-5	*	27	17
				CONTRACT NO. 70760
ILLINOIS FED. AID PROJECT				



**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)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) CROSS WALK (WHITE)
11	24" (600) STOP BAR (WHITE)

•DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STRIPING DETAILS IL 130 SOUTH</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\SHERERJM\0115071\707600\details.dgn		DRAWN - JDC	REVISED - ---		323	(145,146)RS-3 & 147RS-5)	*	27	18			
PLOT SCALE = 40.0000' / IN.		CHECKED - ---	REVISED - ---		CONTRACT NO. 70760							
PLOT DATE = 11/27/2009		DATE - ---	REVISED - ---		SCALE: N/A	SHEET NO. 2 OF 4 SHEETS	STA. 691+00.00 TO STA. 692+33.99	ILLINOIS FED. AID PROJECT				

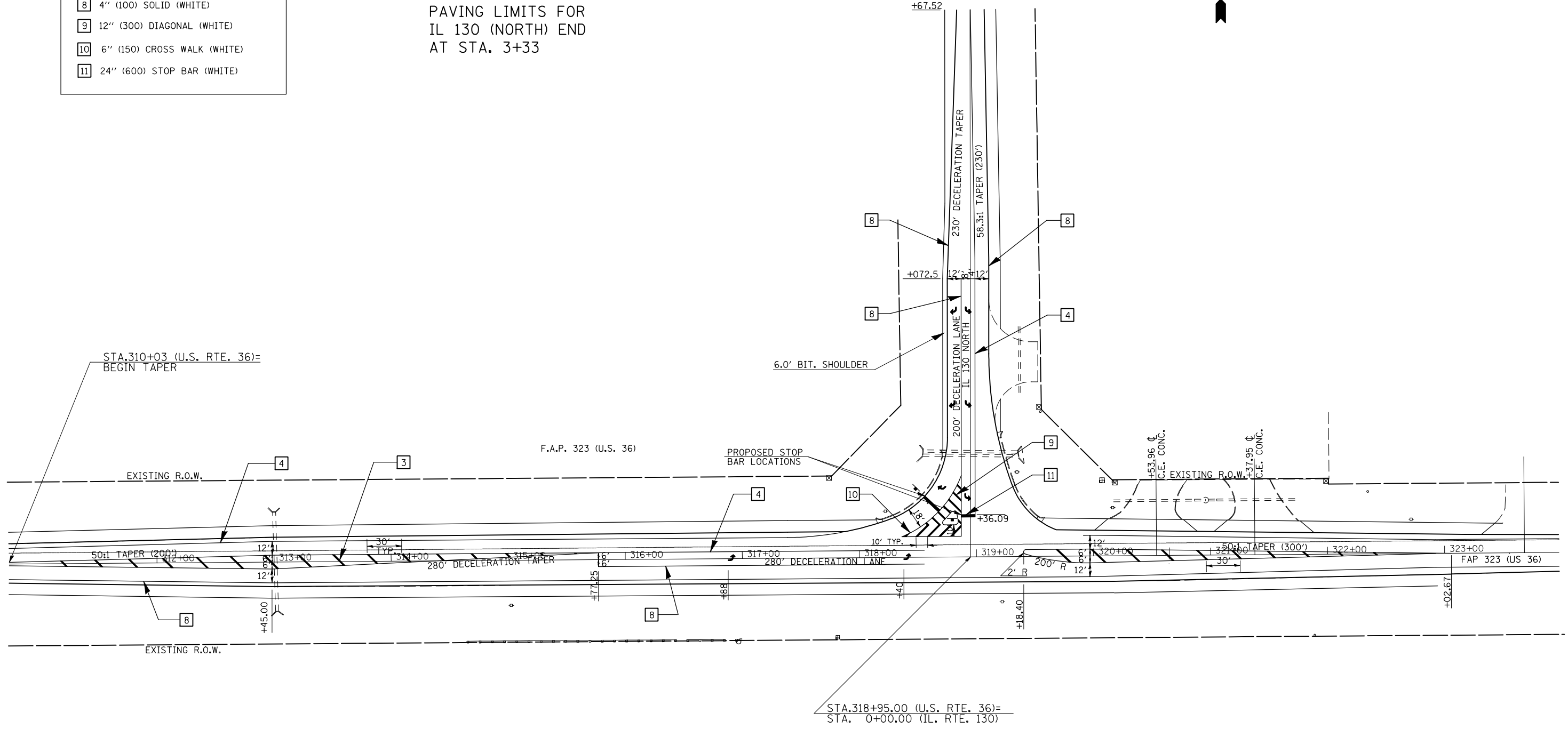
NOT TO SCALE

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)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) CROSS WALK (WHITE)
- 11 24" (600) STOP BAR (WHITE)

THERMOPLASTIC LIMITS  
FROM 310+03 TO 323+68.26 (U.S. 36)  
AND ALL OF IL 130 (NORTH)

PAVING LIMITS FOR  
IL 130 (NORTH) END  
AT STA. 3+33



•DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -
ct:\pw\work\PWIDOT\SHERERJM\d0115071\70760\Detail1.dgn		DRAWN - JMS	REVISED -
		CHECKED - JMS	REVISED -
		DATE - 12/29/08	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

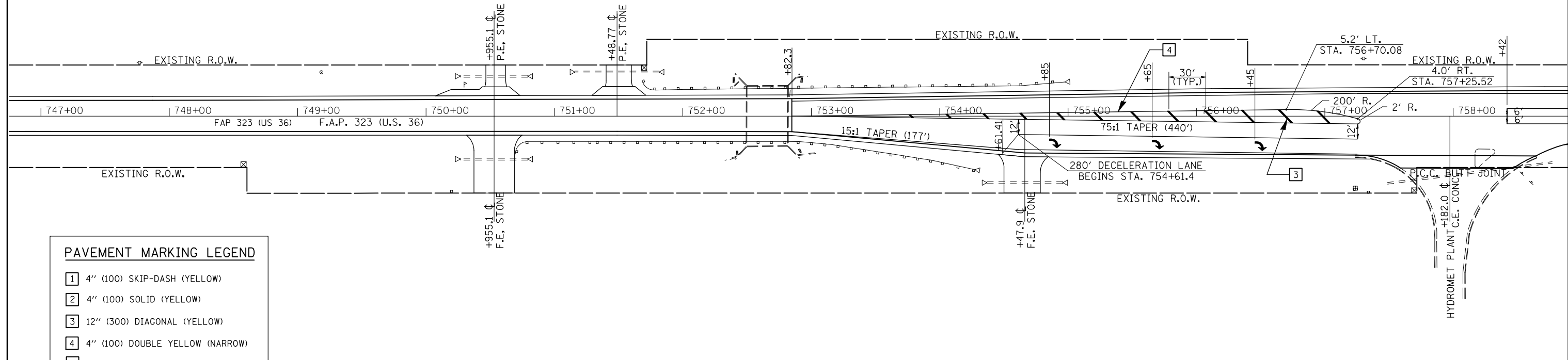
STRIPING DETAILS IL 130 NORTH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)RS-3 & 147RS-5	*	27	19
CONTRACT NO. 70760				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC BEGINS  
AT STA. 752+82.30

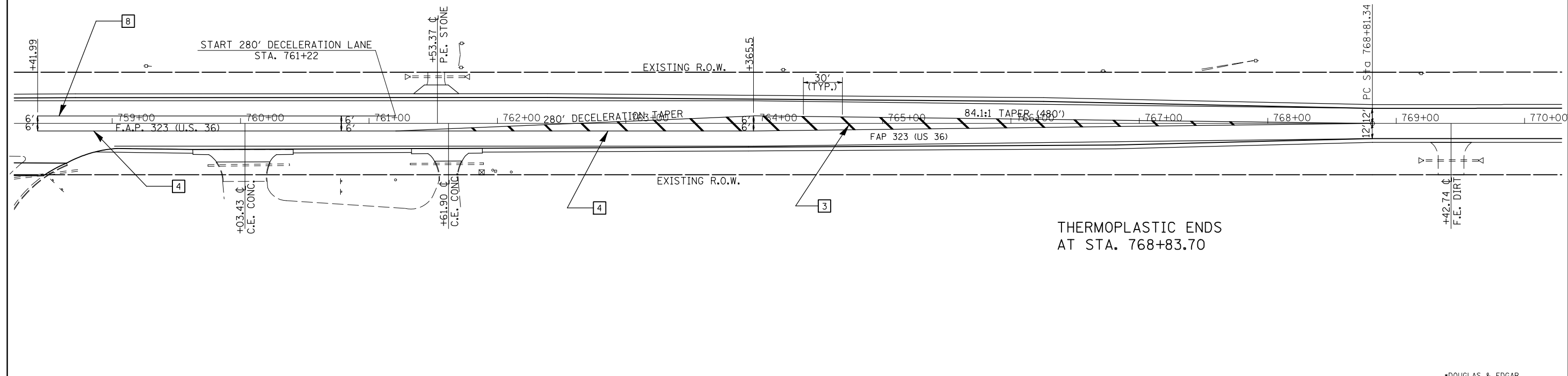
NOT TO SCALE



**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)
8	4" (100) SOLID (WHITE)
9	12" (300) DIAGONAL (WHITE)
10	6" (150) CROSS WALK (WHITE)
11	24" (600) STOP BAR (WHITE)

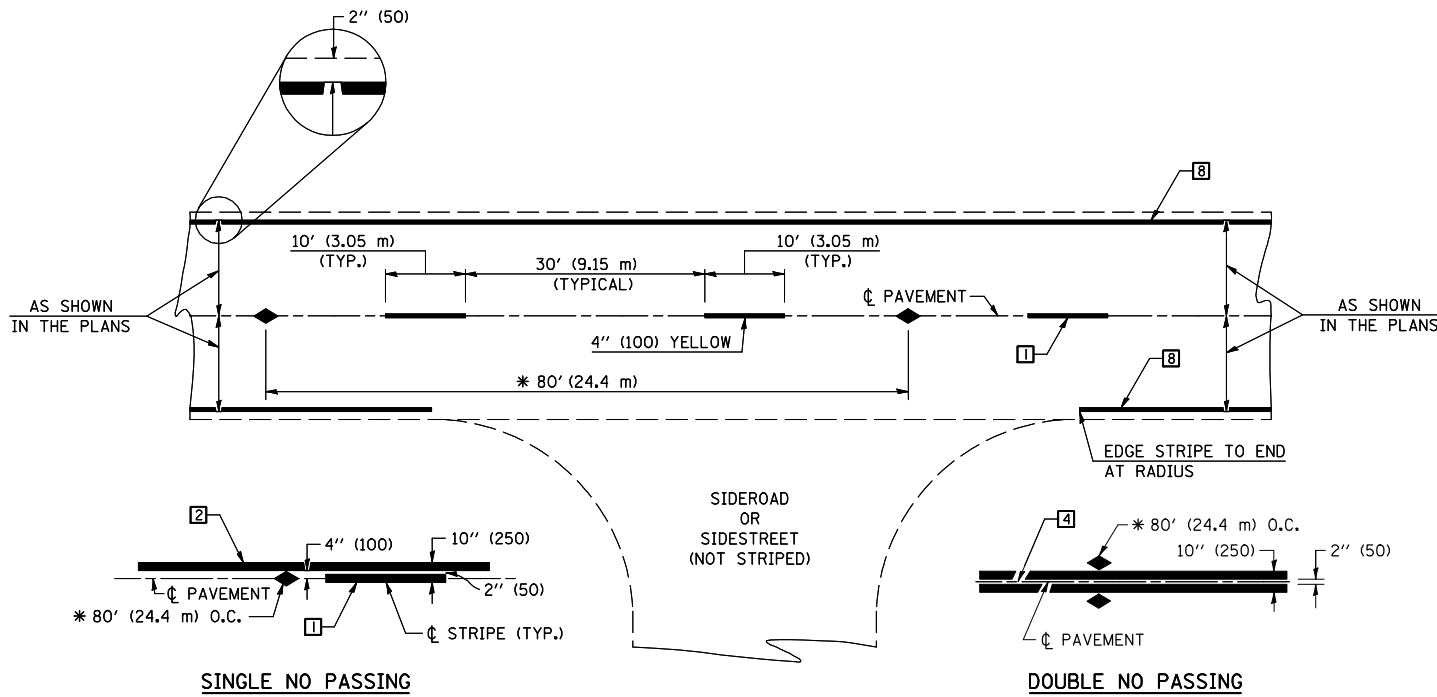
NOT TO SCALE



THERMOPLASTIC ENDS  
AT STA. 768+83.70

•DOUGLAS & EDGAR

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STRIPING DETAILS US 36</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\SHERERJM\d0115071\70760Details.dgn		DRAWN - JDC	REVISED -		SCALE: N/A	SHEET NO. 4 OF 4 SHEETS	STA. 691+00.00 TO STA. 692+33.99	323	(145,146)RS-3 & 147RS-5	*	27	20
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		<b>CONTRACT NO. 70760</b>							
PLOT DATE = 11/27/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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

**TWO LANE/TWO WAY**

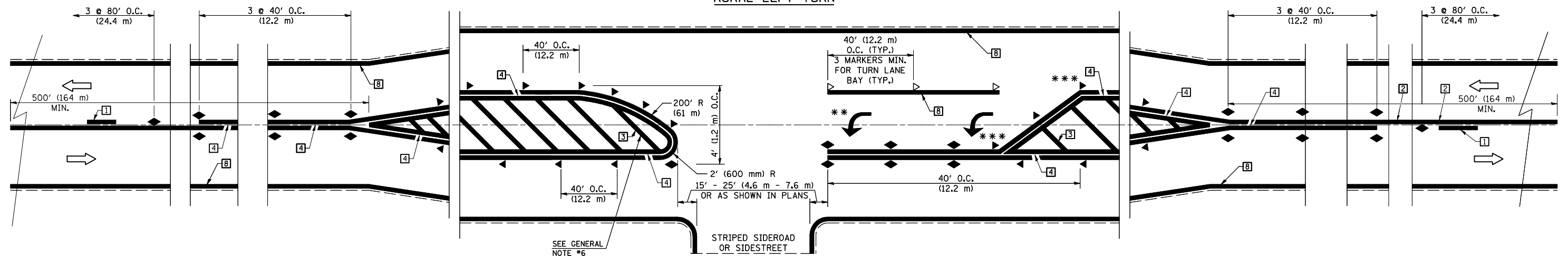
**TYPICAL PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) 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) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

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

**RURAL LEFT TURN**



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

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.  
\*DOUGLAS & EDGAR

**DISTRICT 5 DETAIL NO. 7800AAAA**

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115071\707600details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/27/2009	DATE -	REVISED -

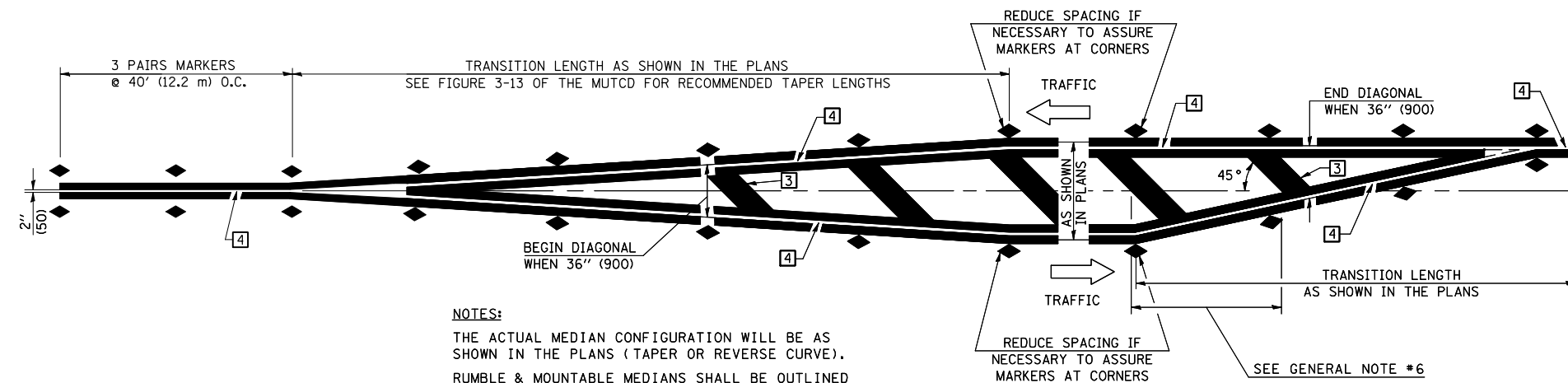
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(145,146)RS-3 & 147RS-5	*	27	21
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



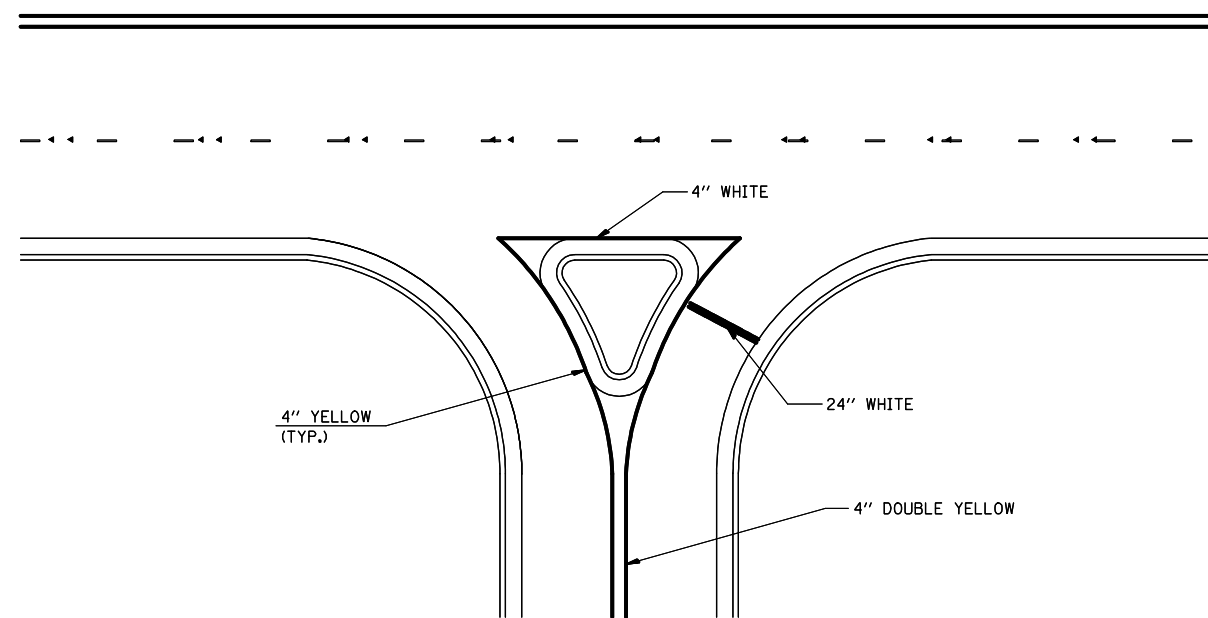


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

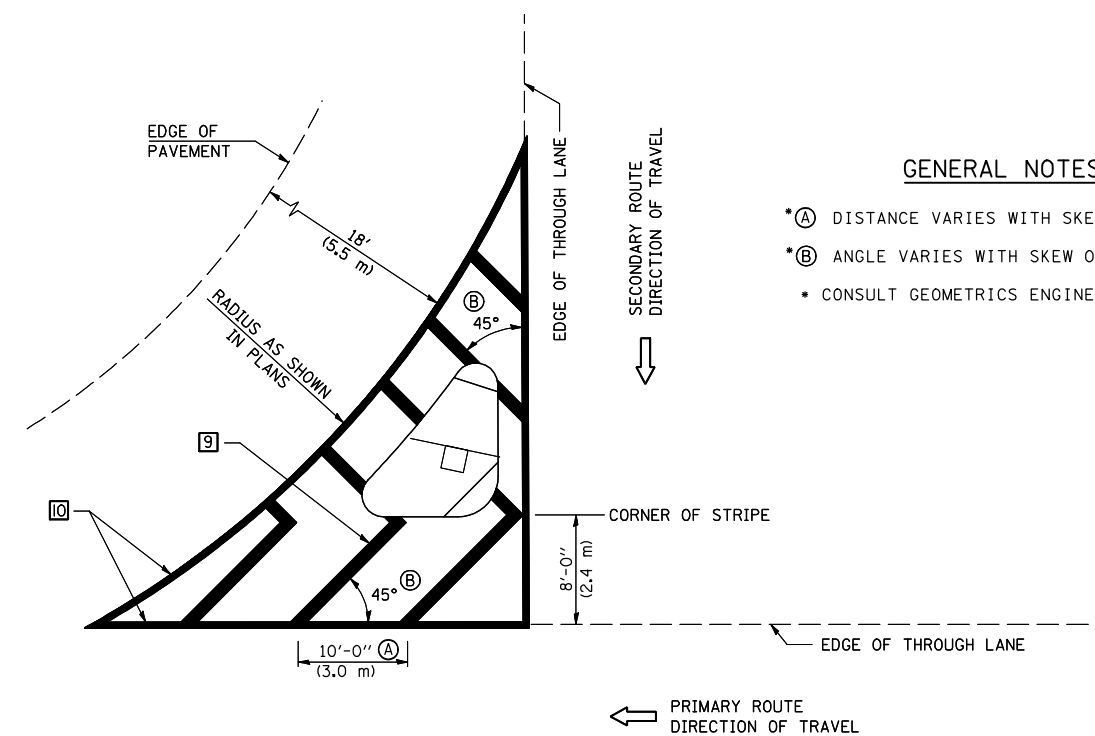
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
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. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS**



**GENERAL NOTES**

- \*A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \*B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

**ISLAND**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.  
 •DOUGLAS & EDGAR

**DISTRICT 5 DETAIL NO. 7800AAA**

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115071\707600detail1.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/27/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

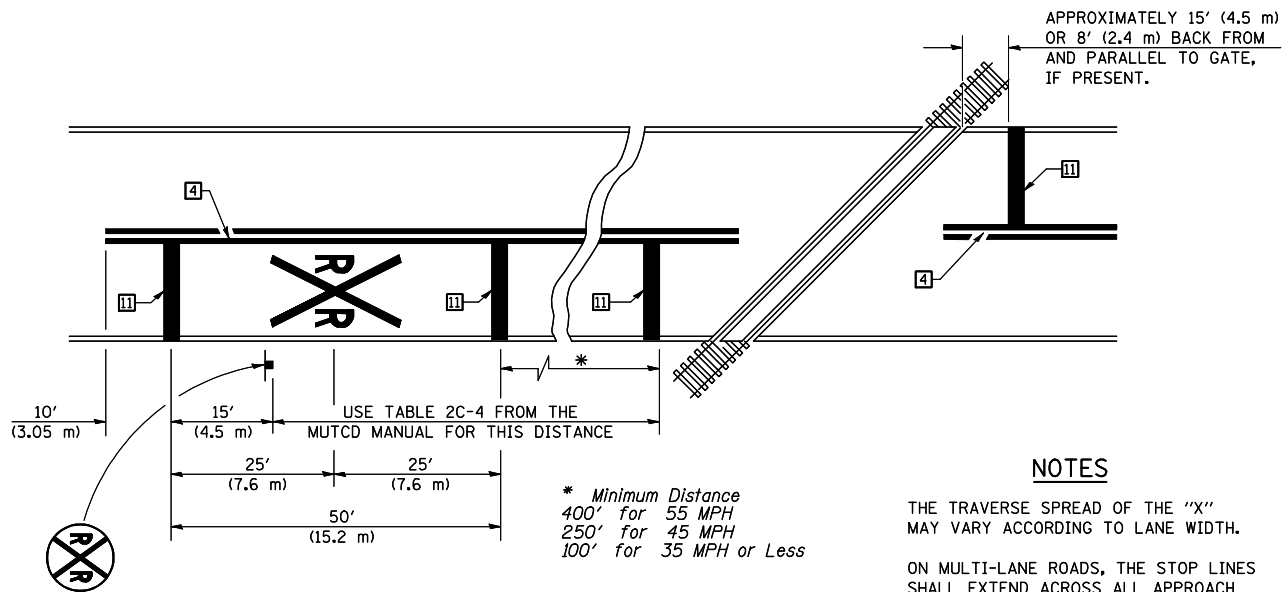
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(145,146)RS-3 & 147RS-5	*	27	23
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



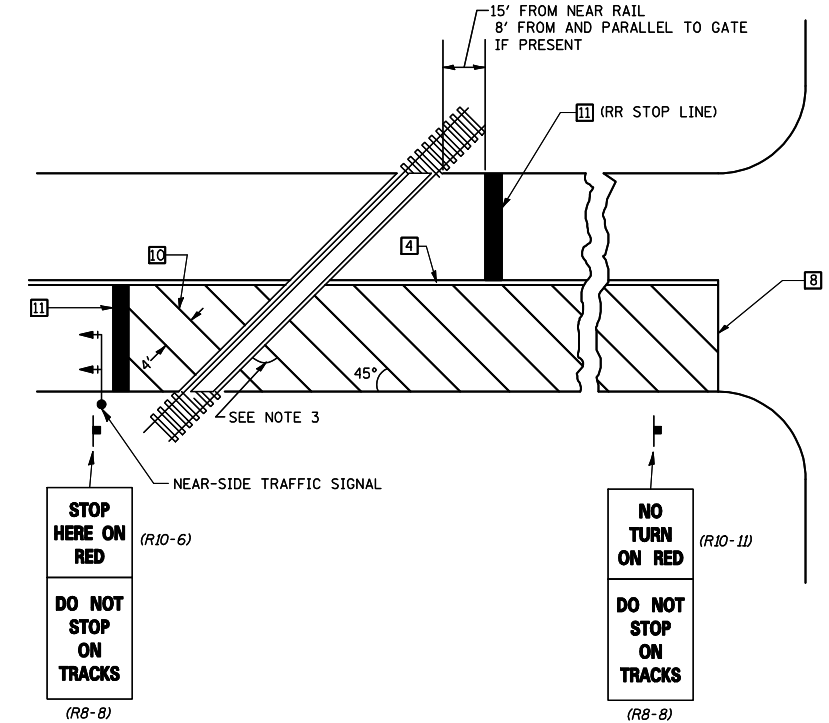
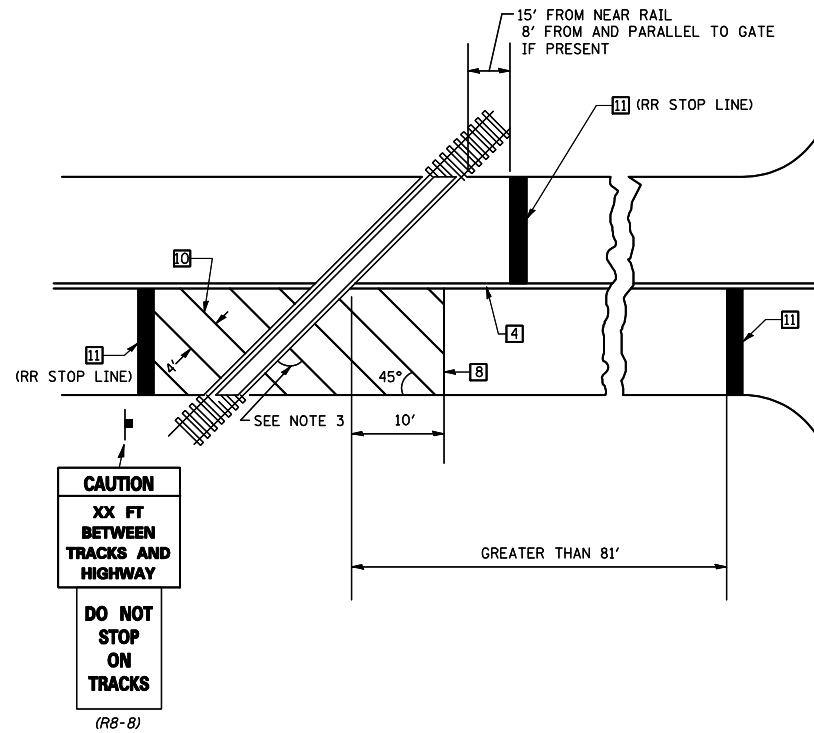
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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.

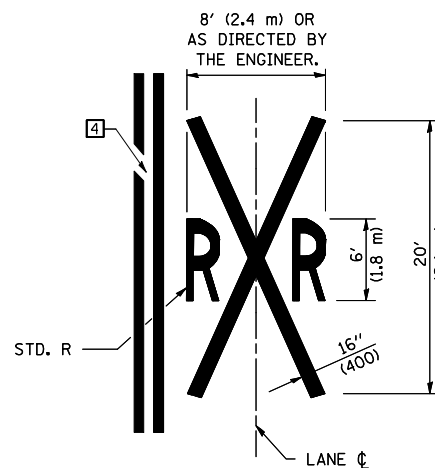
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



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

\*DOUGLAS & EDGAR

DISTRICT 5 DETAIL NO. 7800AAAA

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115071\707600detail.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/27/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

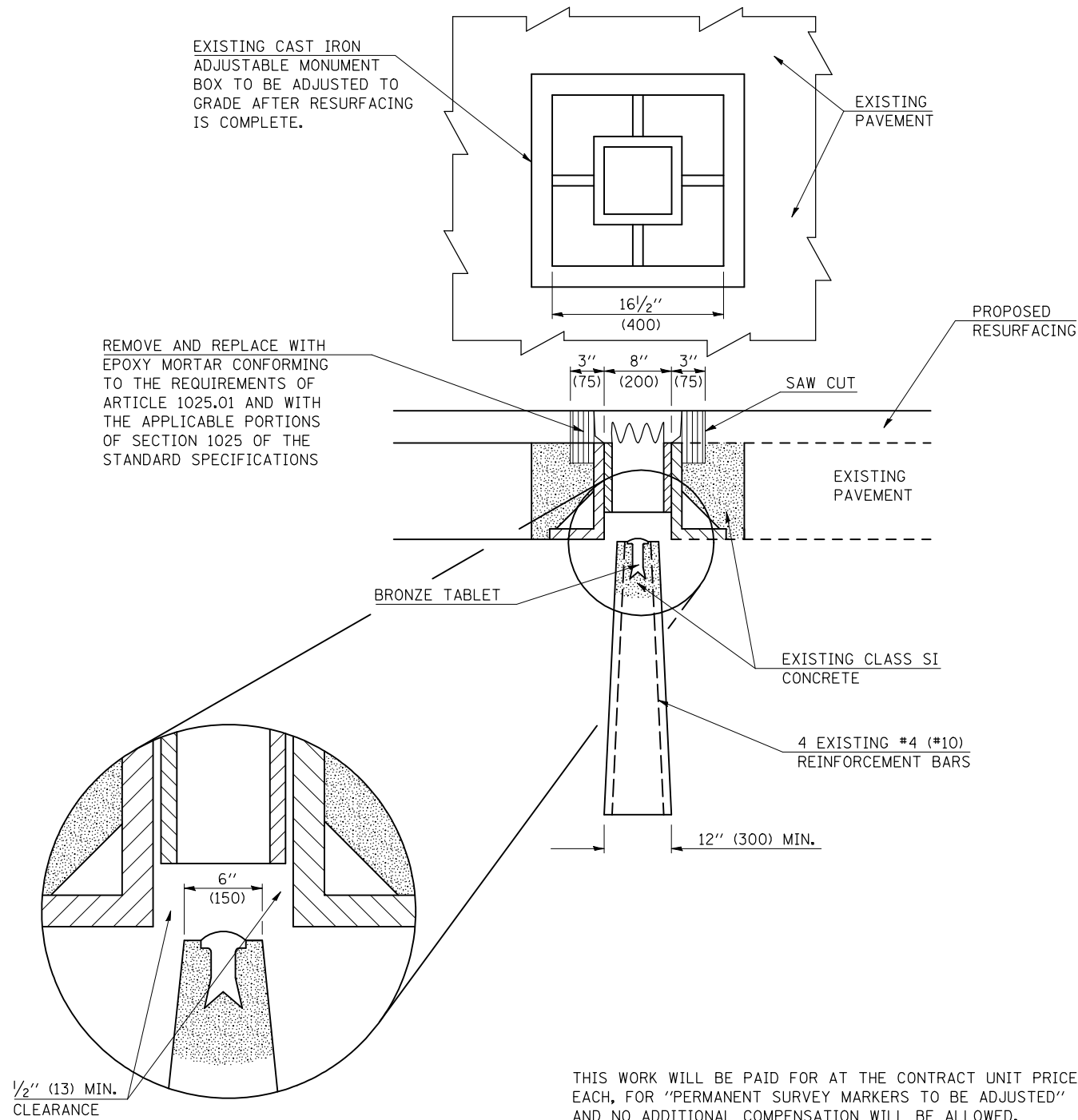
PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(145,146)RS-3 & 147RS-5	*	27	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

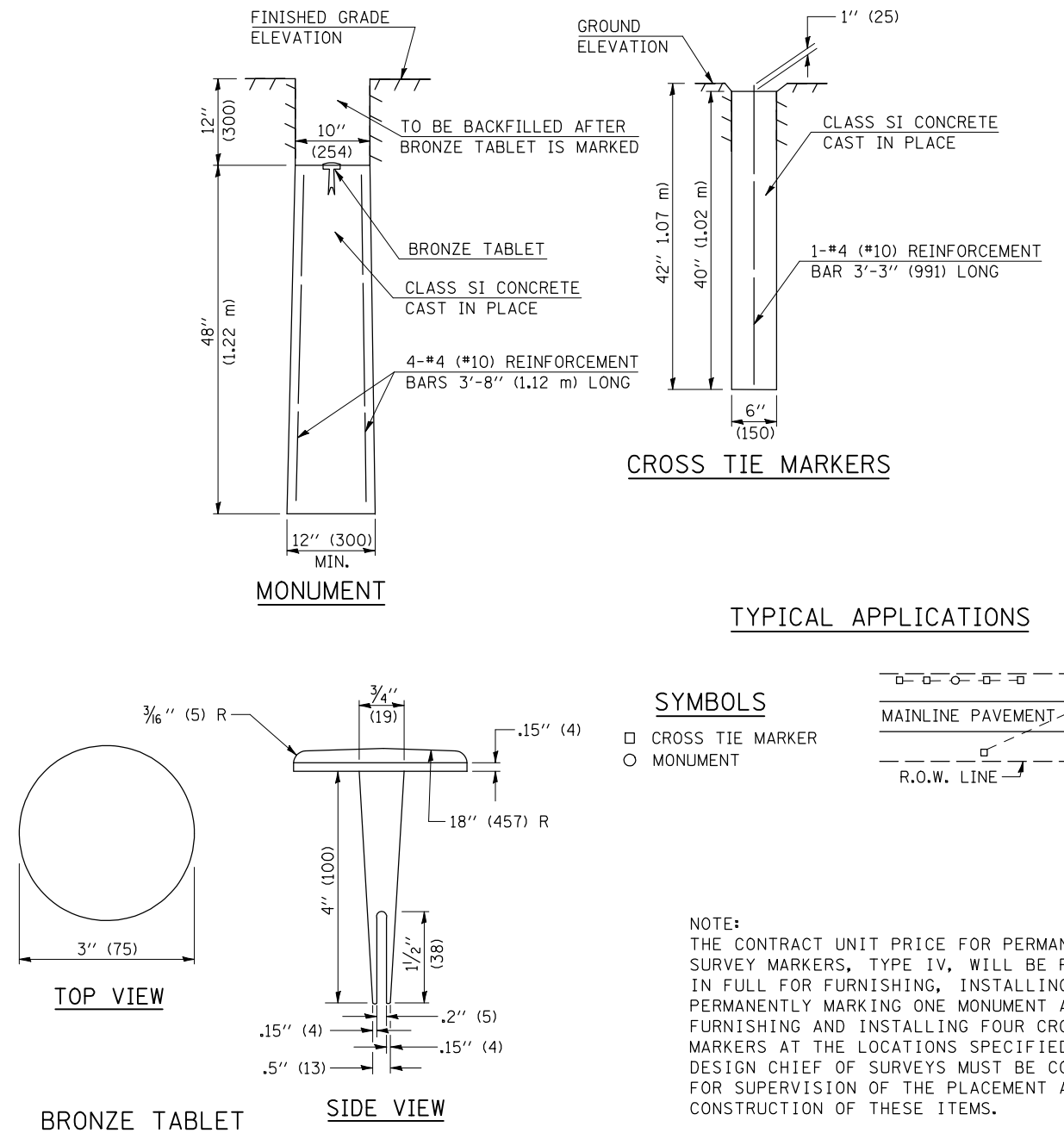
# 66700110 – PERMANENT SURVEY MARKERS TO BE ADJUSTED

TO BE INSTALLED FOR PRESERVING EXISTING CAST IRON PERMANENT SURVEY MARKERS, TYPE III



# 66700505 – PERMANENT SURVEY MARKERS, TYPE IV

TO BE INSTALLED IN PAVEMENT OR TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS) UNDER DIRECTION OF THE CHIEF OF SURVEYS



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.  
\*DOUGLAS & EDGAR

## DISTRICT 5 DETAIL NO. 66700AAA

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115071\707600details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

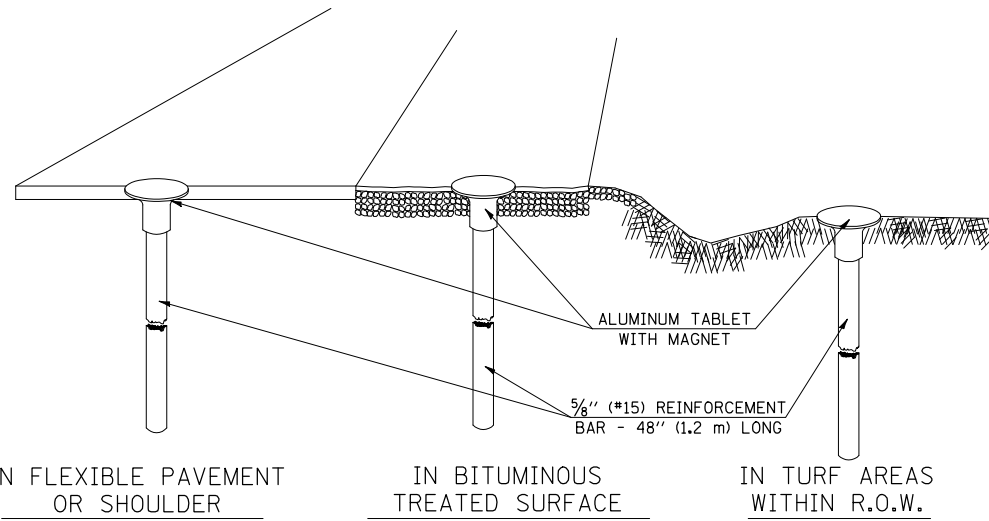
PERMANENT SURVEY MARKERS (TYPE IV AND ADJUSTED)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)RS-3 & 147RS-5)	*	27	25
* DOUGLAS & EDGAR			CONTRACT NO.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

## XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



### SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

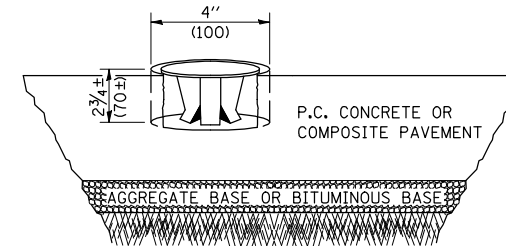
### SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

## XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

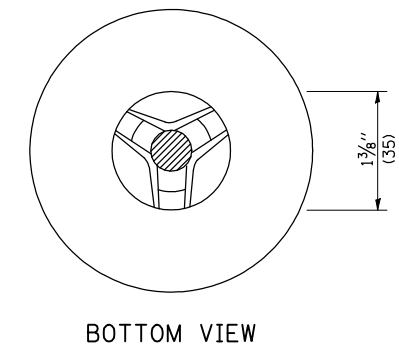
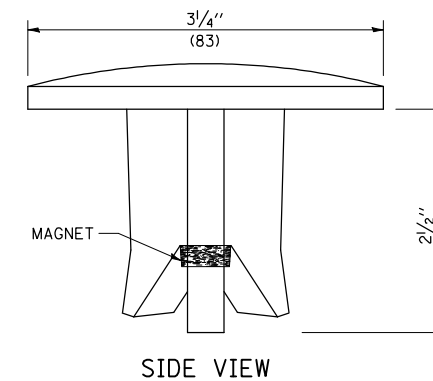
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



### SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

### GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

### GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE I, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE I, (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE I, (SPECIAL).

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

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

•DOUGLAS & EDGAR

### DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ca\pwwork\PWIDOT\SHERERJM\d0115071\707600detail1.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/27/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(145,146)RS-3 & 147RS-5)	*	27	26
• DOUGLAS & EDGAR			CONTRACT NO. 70760	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		