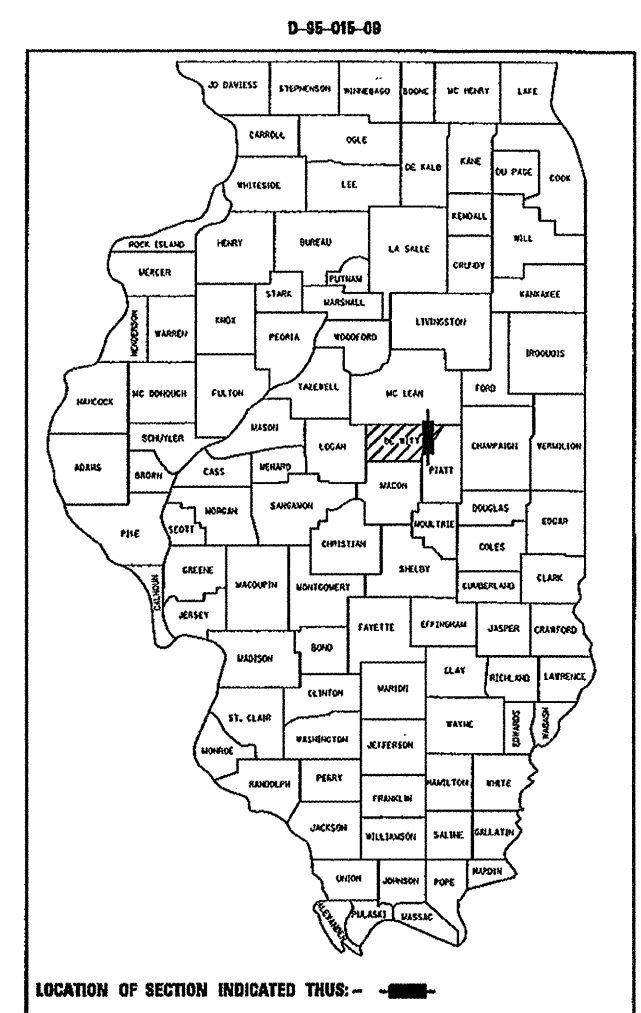


**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**  
**F.A.P. ROUTE 760 (IL 48)**  
**SECTION 124RS-6**  
**DEWITT COUNTY**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	1
FED. ROAD DIST. NO.	ILLINOIS		CONTRACT NO. 70758	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

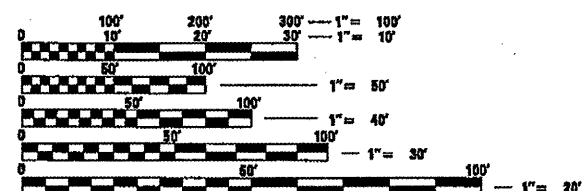


**RESURFACING (SMART)**  
**IL 54 TO IL 10**  
**C-95-015-09**

**CURRENT TRAFFIC DATA**

2008 ADT	=	950
2028 ADT	=	1150
PU + PC %	=	78.7
SU %	=	13.1
MU %	=	8.2

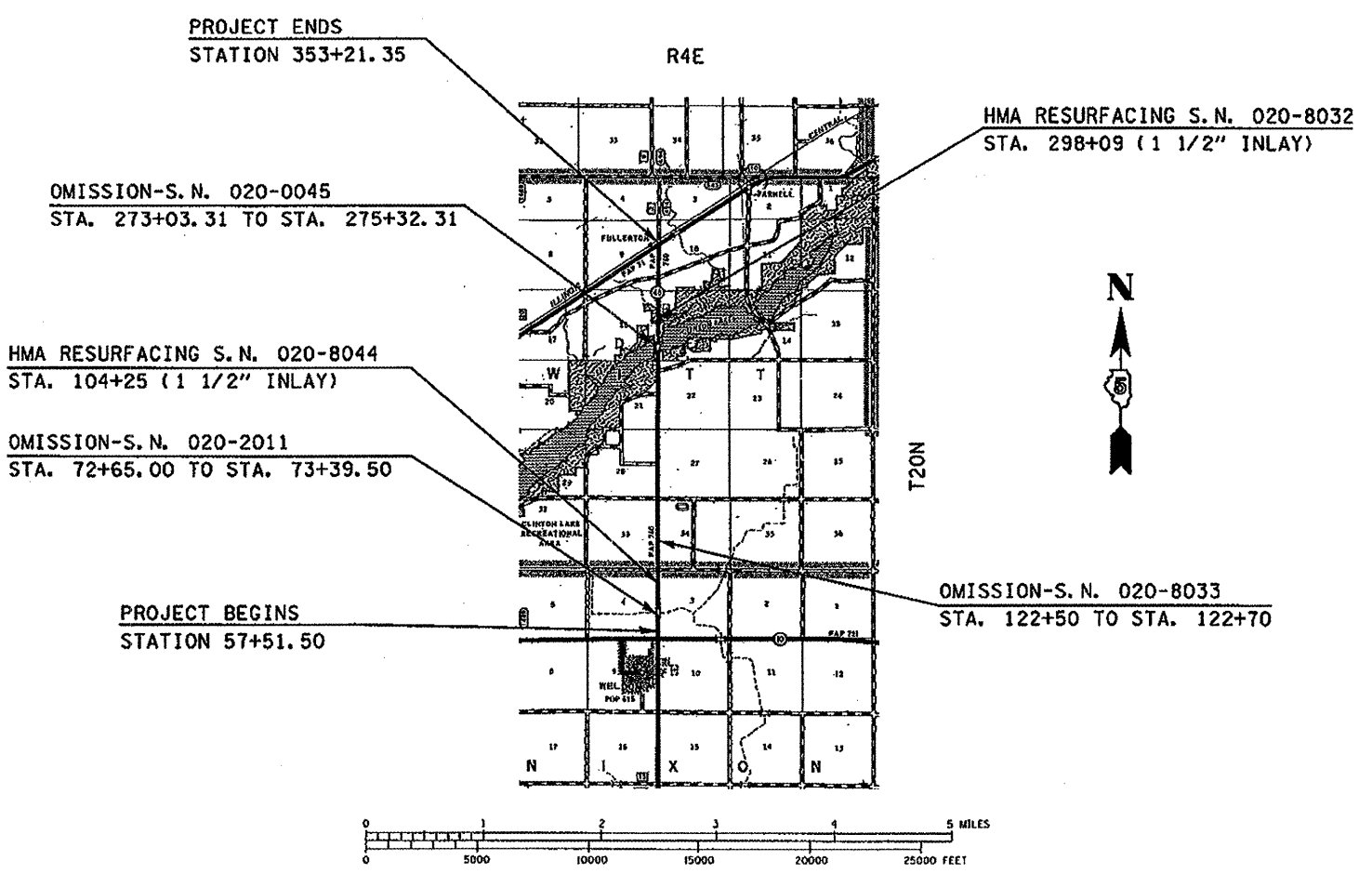
**DESIGN DESIGNATION**  
**MINOR ARTERIAL**



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 M. SHERER**  
**DESIGNER: STEVE MCMASTER**  
**PHONE: (217)465-4181**  
**CONTRACT NO. 70758**



**GROSS LENGTH = 29,569.85 FEET = 5.600 MILES**  
**NET LENGTH = 29,246.35 FEET = 5.539 MILES**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

SUBMITTED 11/30/2009

*James B. Cowan*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

*Scott E. Shiff P.E. RD*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*Christine M. Reed RD*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY**  
**OF THE STATE OF ILLINOIS**

PLOT DATE = 11/24/2009  
 FILE NAME = c:\pwworkspace\11111111\11111111.dwg  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = shiff

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS/ HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-10	TYPICAL CROSS SECTIONS
11-14	SCHEDULE OF QUANTITIES
15	STRIPING DETAIL IL 48 & IL 54 INTERSECTION
16-19	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS
20	DETAIL OF RUMBLE STRIP (ADVANCE OF INTERSECTION)
21	SURVEY MONUMENT COVER ASSEMBLY

## HIGHWAY STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
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	OFF- RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS $\geq$ 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = sherer.jm	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\pvidot\sherer.jm\d0115161\7075	index.dgn	DRAWN - JMS	REVISED -			760	124RS-6	DEWITT	21	2
PLOT SCALE = 100.0000 ' / IN.	CHECKED - JMS	REVISED -	CONTRACT NO. 70758							
PLOT DATE = 11/24/2009	DATE - 01/08/2009	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

**COMMITMENTS**

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

**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:

Location	IL 48	IL 48	IL 48
Mixture Use	SURFACE	SHOULDERS	CLASS D PATCH
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	15	15	25
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix C	Mix C	N/A

**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.-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 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.

FILE NAME =	USER NAME = shorer_jm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\shorer_jm\d0115161\7075	Index.dgn	DRAWN - JMS	REVISED -			760	124RS-6	DEWITT	21	3
PLOT SCALE = 100.0000' / IN.	CHECKED - JMS	REVISED -	REVISED -			CONTRACT NO. 70758				
PLOT DATE = 11/24/2009	DATE - 01/08/2009	REVISED -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

LOCATION OF WORK:

DEWITT COUNTY  
RURAL  
ROADWAY  
IMPROVEMENTS  
FAP 760 (ILL 48)  
STATION 57+51.50  
TO  
STATION 352+21.35

CONSTRUCTION TYPE CODE:

1000  
100% STATE  
TOTAL  
QUANTITY

CODE NO	ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9,063.0
40600300	AGGREGATE (PRIME COAT)	TON	182.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600990	TEMPORARY RAMP	SQ YD	197.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	7,068.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	91,526.0
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	50.0
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	277.5
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	222.0
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	55.5
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	12.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,034.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	620.0
67000400	ENGINEER FIELD OFFICE, TYPE A	CAL MO	3.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,850.0

(CONT'D NEXT SHEET)

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	PLOT DATE = 11/30/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 760	SECTION 124RS-6	COUNTY DEWITT	TOTAL SHEETS 21	SHEET NO. 4
CONTRACT NO. 70758			ILLINOIS FED. AID PROJECT	

LOCATION OF WORK:

DEWITT COUNTY  
RURAL  
ROADWAY  
IMPROVEMENTS  
FAP 760 (ILL 48)  
STATION 57+51.50  
TO  
STATION 352+21.35

CONSTRUCTION TYPE CODE:

I000  
100% STATE  
TOTAL  
QUANTITY

CODE NO	ITEM	UNIT	QUANTITY
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	973.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	754.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	1,770.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	110.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING -LINE 24"	FOOT	31.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	71,339.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	378.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	378.0
* Z0055300	RUMBLE STRIP	EACH	6.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	1.0

\* SPECIALTY ITEM(S)

FILE NAME =	USER NAME = sherer,jm	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/24/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

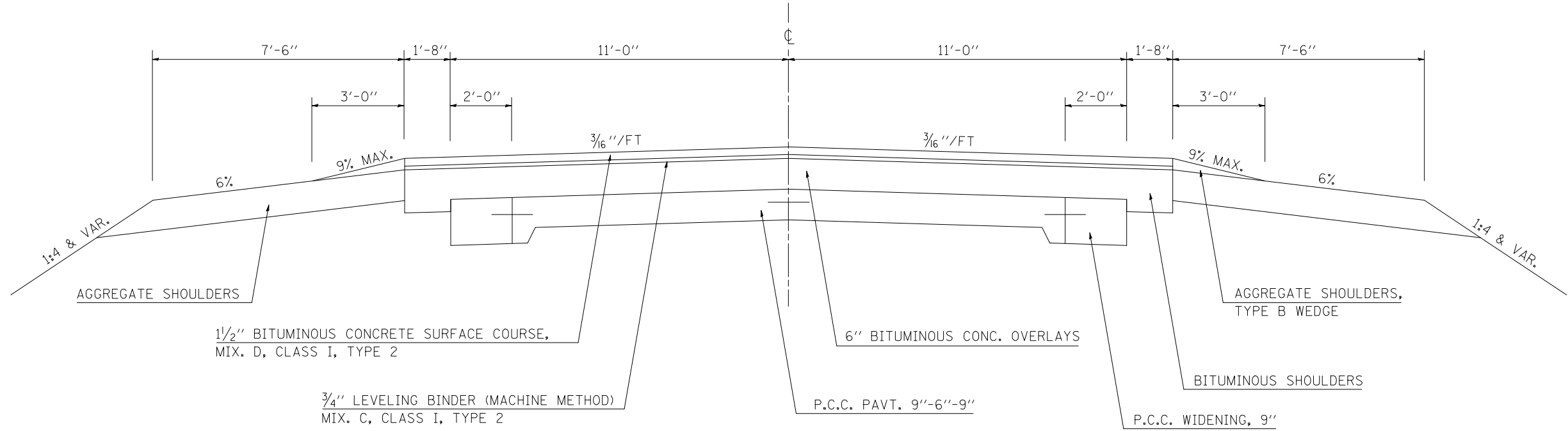
SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 760	SECTION 124RS-6	COUNTY DEWITT	TOTAL SHEETS 21	SHEET NO. 5
CONTRACT NO. 70758			ILLINOIS FED. AID PROJECT	

\* OMISSION-S. N. 020-0039  
 STATION 72+65.00 TO STATION 73+39.50  
 \*\* OMISSION-S. N. 020-8033  
 STATION 122+50.00 TO STATION 122+70.00

### EXISTING TYPICAL SECTION

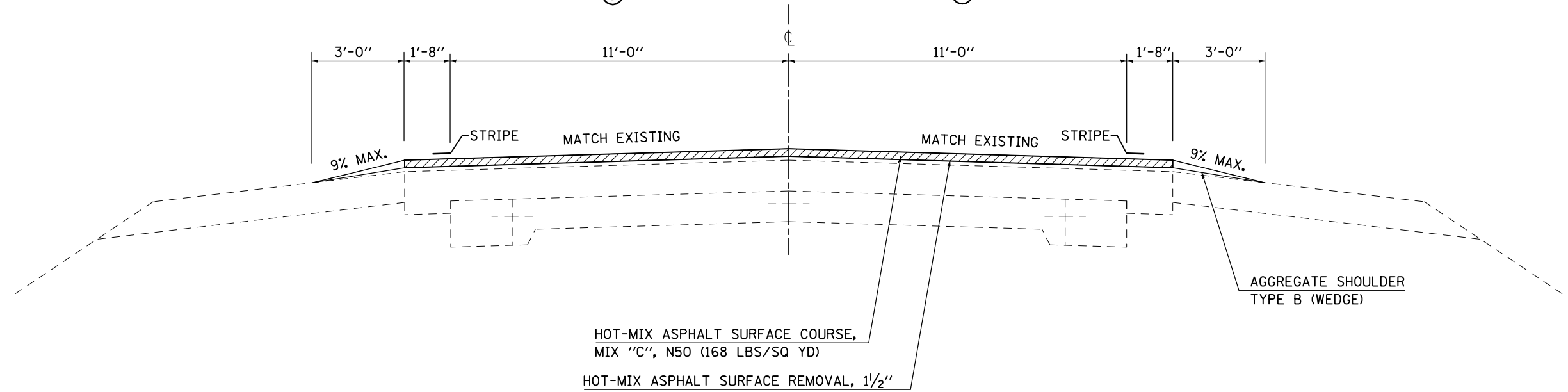
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* 73+13.15		122+50.00 **
**122+70.00		249+46.15
327+51.15		346+91.50



\* OMISSION-S. N. 020-0039  
 STATION 72+65.00 TO STATION 73+39.50  
 \*\* OMISSION-S. N. 020-8033  
 STATION 122+50.00 TO STATION 122+70.00

### 1 PROPOSED TYPICAL SECTION

STATION	TO	STATION
57+51.50		72+65.00 *
* 73+39.50		122+50.00 **
**122+70.00		249+46.15 ③
③ 327+51.15		346+91.50 ④



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PLOT DATE = 11/24/2009		DATE - 1/02/2009	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

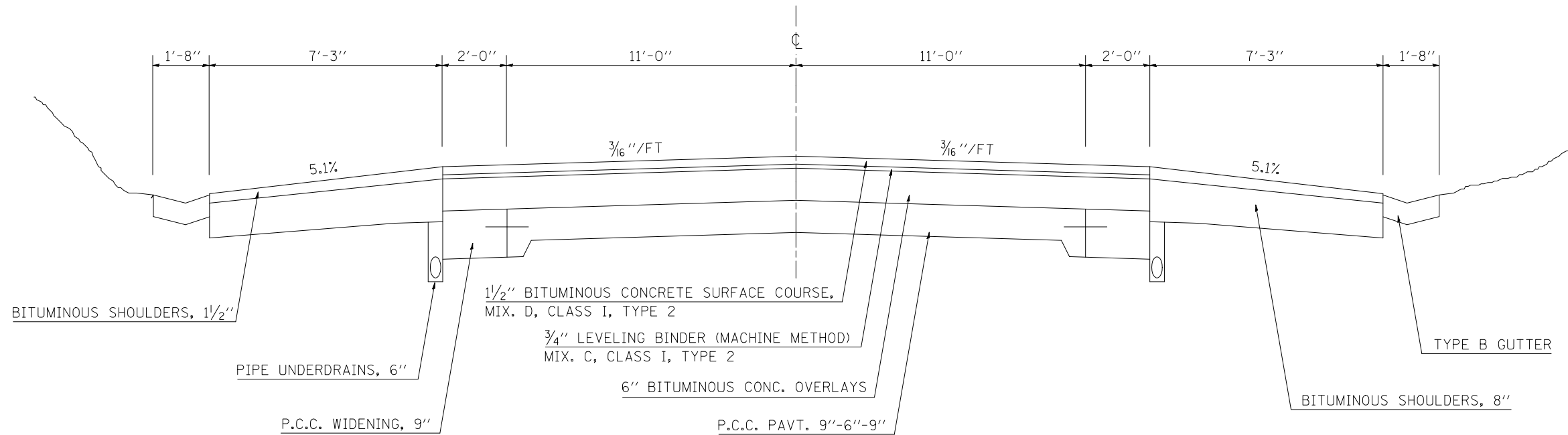
EXISTING & PROPOSED TYPICAL SECTIONS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	6
CONTRACT NO. 70758				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

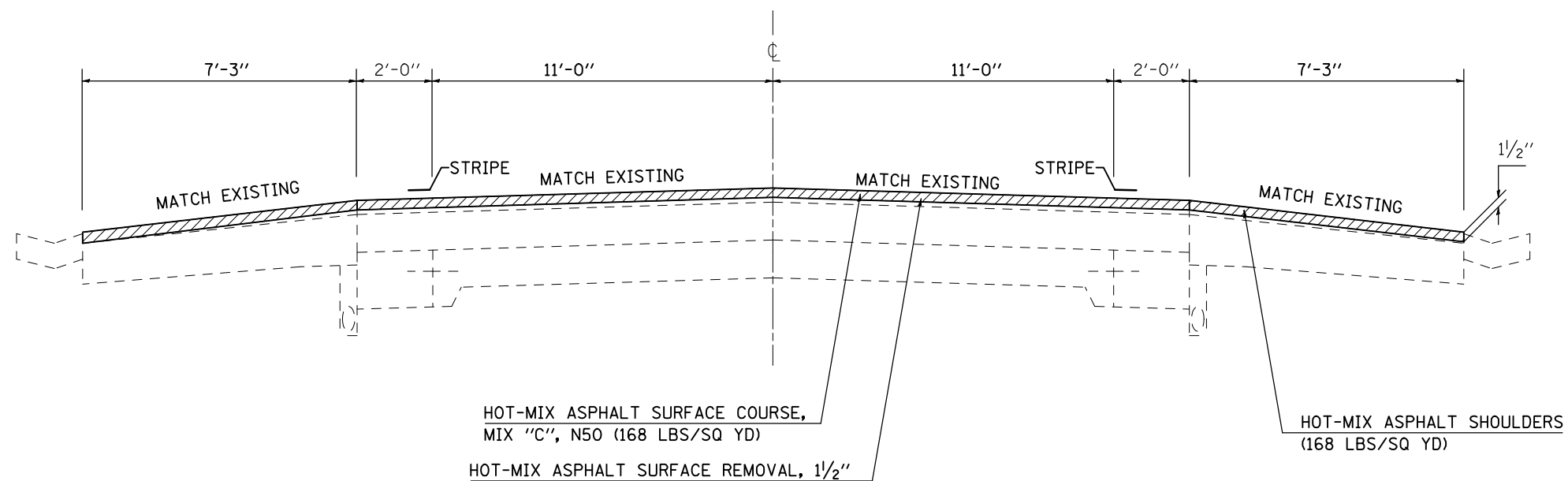
## EXISTING TYPICAL SECTION

STATION	TO	STATION
257+01.15		263+47.27
286+22.53		288+32.51
305+74.63		317+03.24



## ② PROPOSED TYPICAL SECTION

STATION	TO	STATION
③ 257+01.15		263+47.27 ⑤
⑤ 286+22.53		288+32.51 ③
③ 305+74.63		317+03.24 ③



FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -
ct:\pw\work\PWIDOT\SHERERJM\d0115161\70758Typicals.dgn		DRAWN - JMS	REVISED -
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PLOT DATE = 11/30/2009		DATE - 1/02/2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

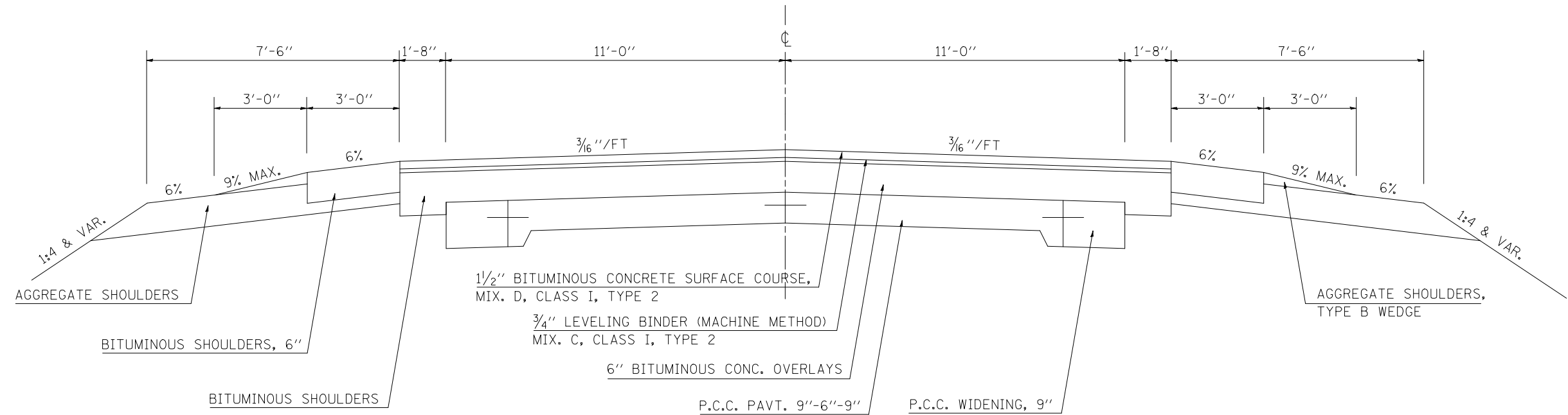
**EXISTING & PROPOSED TYPICAL SECTIONS**

SCALE: NO SCALE      SHEET NO. 2 OF 5 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	7
CONTRACT NO. 70758				
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				

## EXISTING TYPICAL SECTION

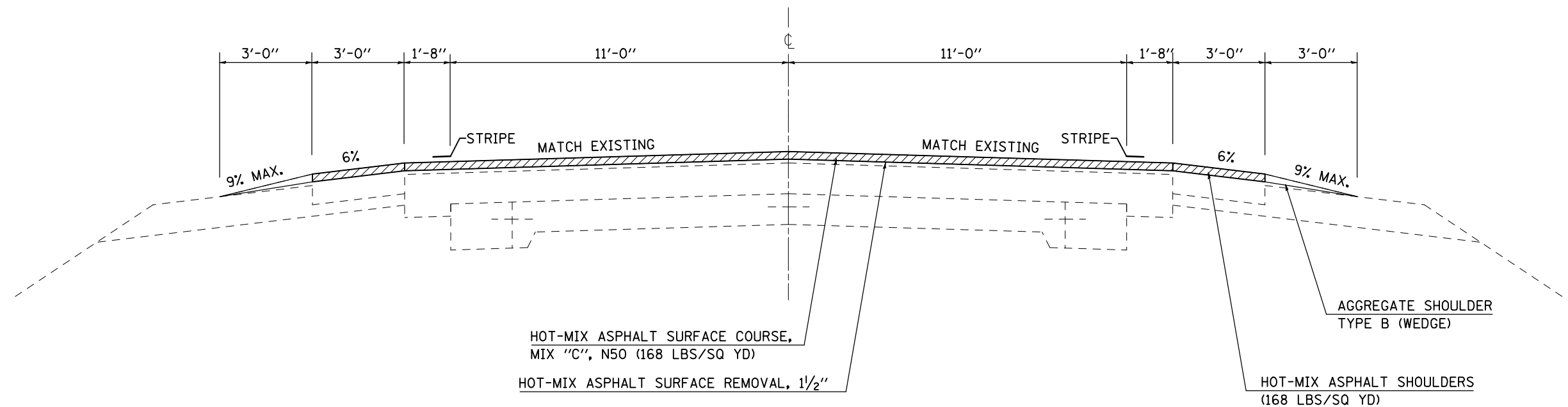
STATION	TO	STATION
249+46.15		257+01.15
288+32.51		305+74.63
317+03.00		327+51.15



## ③ PROPOSED TYPICAL SECTION

HOT-MIX ASPHALT RESURFACING  
S. N. 020-8032, STATION 298+09  
(1 1/2" INLAY)

STATION	TO	STATION
① 249+46.15		② 257+01.15
② 288+32.51		② 305+74.63
② 317+03.00		① 327+51.15

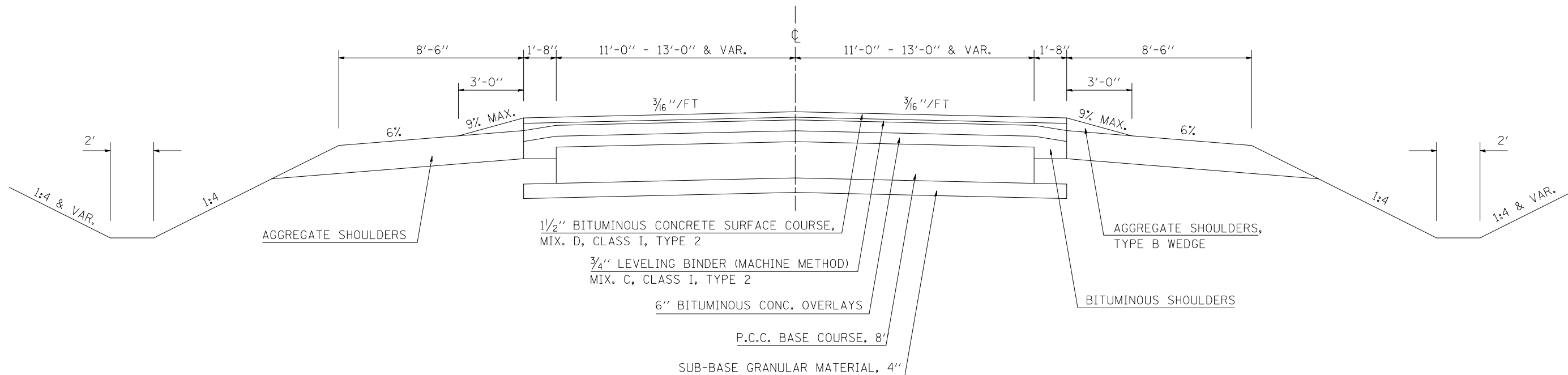


FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE. 760	SECTION 124RS-6	COUNTY DEWITT	TOTAL SHEETS 21	SHEET NO. 8
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		CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT	
		DATE - 1/02/2009	REVISED -							



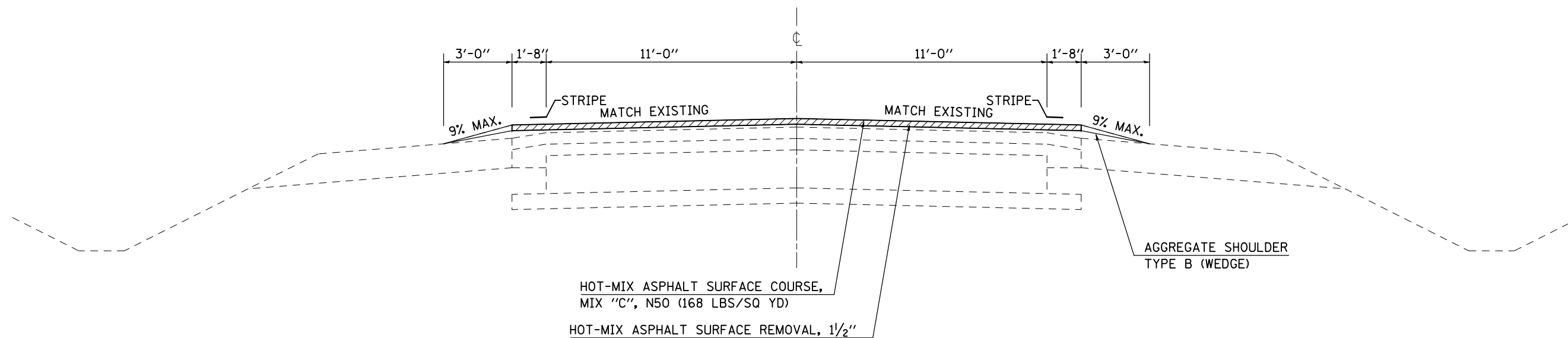
## EXISTING TYPICAL SECTION

STATION TO STATION  
346+91.50 353+21.35



## ④ PROPOSED TYPICAL SECTION

STATION TO STATION  
③ 346+91.50 353+21.35

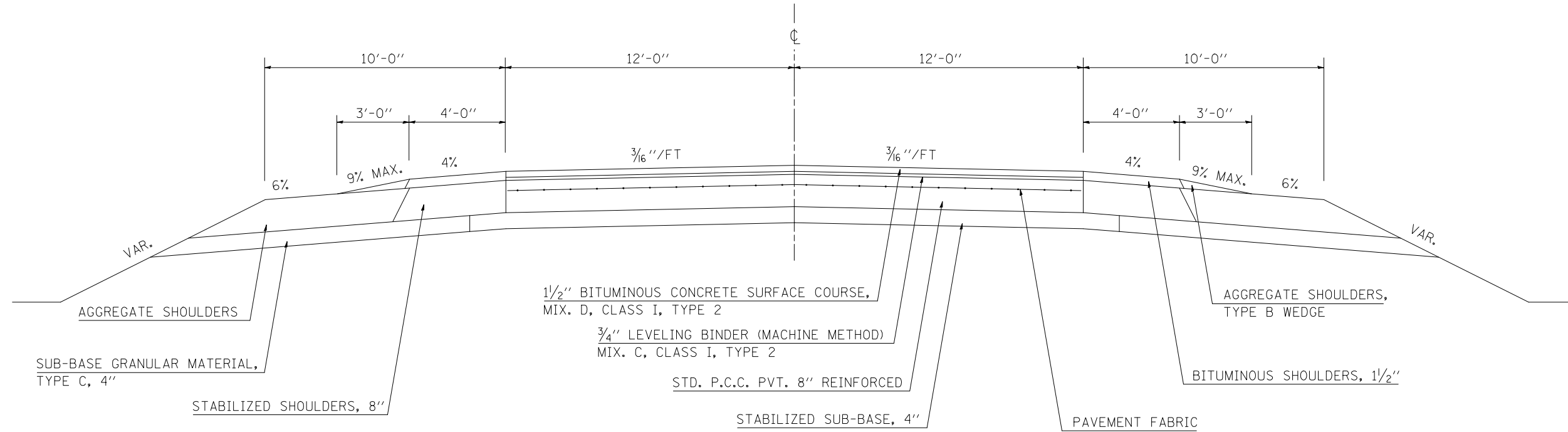


FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\SHERERJM\d0115161\70758Typicals.dgn		DRAWN - JMS	REVISED -		760	124RS-6	DEWITT	21	9	CONTRACT NO. 70758		
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PLOT DATE = 11/24/2009		DATE - 1/02/2009	REVISED -									

\* OMISSION-S. N. 020-0045  
 STATION 273+03.31 TO STATION 275+32.31

### EXISTING TYPICAL SECTION

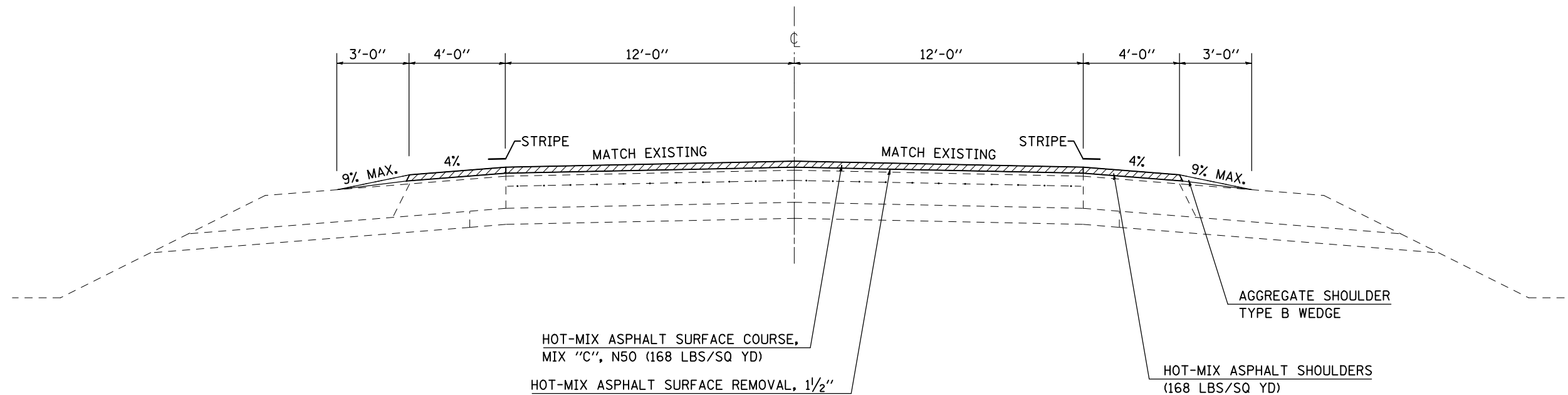
STATION	TO	STATION
263+47.27		273+03.31*
* 275+32.31		286+22.53



\* OMISSION-S. N. 020-0045  
 STATION 273+03.31 TO STATION 275+32.31

### 5 PROPOSED TYPICAL SECTION

STATION	TO	STATION
② 263+47.27		273+03.31 *
* 275+32.31		286+22.53 ②



FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 11/24/2009		DATE - 1/02/2009	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED TYPICAL SECTIONS

SCALE: NO SCALE SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	10
CONTRACT NO. 70758				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT SCHEDULE (MAINLINE PAVEMENT)

STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	SURFACE THICKNESS (IN)	40600100 BIT MATL PRIME (GAL)	40600300 AGG PR COAT (TON)	40603310 HMA SC MIX "C" N50 (TON)	44000155 HMA SURF REM, 1 1/2" SQ YD
57+51.50		72+65.00	1513.5	25.3	4254.6	1.5	425.5	8.5	357.4	4254.6
73+39.50		122+50.00	4910.5	25.3	13804.0	1.5	1380.4	27.6	1159.5	13804.0
122+70.00		249+46.15	12676.2	26.3	37042.5	1.5	3704.3	74.1	3111.6	37042.5
249+46.15		257+01.15	755.0	25.3	2122.4	1.5	212.2	4.2	178.3	2122.4
257+01.15		263+47.27	646.1	26.0	1866.6	1.5	186.7	3.7	156.8	1866.6
263+47.27		273+03.10	955.8	24.0	2548.9	1.5	254.9	5.1	214.1	2548.9
275+32.31		286+22.53	1090.2	24.0	2907.3	1.5	290.7	5.8	244.2	2907.3
286+22.53		288+32.51	210.0	26.0	606.6	1.5	60.7	1.2	51.0	606.6
288+32.51		305+74.63	1742.1	25.3	4897.3	1.5	489.7	9.8	411.4	4897.3
305+74.63		317+03.24	1128.6	26.0	3260.4	1.5	326.0	6.5	273.9	3260.4
317+03.00		327+51.15	1048.2	25.3	2946.5	1.5	294.6	5.9	247.5	2946.5
327+51.15		350+30.01	2278.9	25.3	6406.1	1.5	640.6	12.8	538.1	6406.1
350+30.01		353+21.35	291.3	VAR	1483.0	1.5	148.3	3.0	124.6	1483.0

TOTAL = 8414.6 168.3 7068.3 84146.1

USE = 8325.0 167.0 7068.0 84146.0

PLAN NOTE: BEGINNING, ENDING AND OMISSIONS OF HMA SURFACE REMOVAL 1 1/2" SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.08. THIS COST SHALL BE INCLUDED AND PAID FOR IN THE CONTRACT UNIT PRICE FOR SQ YD AS HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED

HOT-MIX ASPHALT SHOULDERS

STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	AVG THICKNESS (IN)	40600100 BIT MATL PRIME (GAL)	40600300 AGG PR COAT (TON)	48203100 HMA SHOULDER (TON)	44000155 HMA SURF REM, 1 1/2" SQ YD
LT 249+46.15		LT 257+01.15	755.0	3	251.7	1.5	25.2	0.5	21.1	251.7
RT 249+46.15		RT 257+01.15	755.0	3	251.7	1.5	25.2	0.5	21.1	251.7
LT 257+01.15		LT 263+47.27	646.1	7.25	520.5	1.5	52.0	1.0	43.7	520.5
RT 257+01.15		RT 263+47.27	646.1	7.25	520.5	1.5	52.0	1.0	43.7	520.5
LT 263+47.27		LT 273+03.10	955.8	4.0	424.8	1.5	42.5	0.8	35.7	424.8
RT 263+47.27		RT 273+03.10	955.8	4.0	424.8	1.5	42.5	0.8	35.7	424.8
LT 275+32.31		LT 286+22.53	1090.2	4.0	484.5	1.5	48.5	1.0	40.7	484.5
RT 275+32.31		RT 286+22.53	1090.2	4.0	484.5	1.5	48.5	1.0	40.7	484.5
LT 286+22.53		LT 288+32.51	210.0	7.25	169.2	1.5	16.9	0.3	14.2	169.2
RT 286+22.53		RT 288+32.51	210.0	7.25	169.2	1.5	16.9	0.3	14.2	169.2
LT 288+32.51		LT 305+74.63	1742.1	3.0	580.7	1.5	58.1	1.2	48.8	580.7
RT 288+32.51		RT 305+74.63	1742.1	3.0	580.7	1.5	58.1	1.2	48.8	580.7
LT 305+74.63		LT 317+03.24	1128.6	7.25	909.2	1.5	90.9	1.8	76.4	909.2
RT 305+74.63		RT 317+03.24	1128.6	7.25	909.2	1.5	90.9	1.8	76.4	909.2
LT 317+03.00		LT 327+51.15	1048.2	3.0	349.4	1.5	34.9	0.7	29.3	349.4
RT 317+03.00		RT 327+51.15	1048.2	3.0	349.4	1.5	34.9	0.7	29.3	349.4

TOTAL = 738.0 14.8 619.9 7379.8

USE = 738.0 15.0 620.0 7380.0

PLAN NOTE: BEGINNING, ENDING AND OMISSIONS OF HMA SURFACE REMOVAL 1 1/2" SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.08. THIS COST SHALL BE INCLUDED AND PAID FOR IN THE CONTRACT UNIT PRICE FOR SQ YD AS HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED

**TABULATION OF CLASS D PATCHING - 10"**

TYPE II  
44201765  
(SQ YD)  
  
50

**TABULATION OF CLASS D PATCHING - 14"**

TYPE II      TYPE III      TYPE IV  
44201815    44201819    44201821  
(SQ YD)      (SQ YD)      (SQ YD)  
  
277.5      222.0      55.5

**TABULATION OF CLASS D PATCHING - 16"**

TYPE II  
44201839  
(SQ YD)  
  
12

THE PATCHING QUANTITIES REPRESENT AN ESTIMATE OF CLASS D PATCHING BASED ON 0.75% OF THE TOTAL SQUARE YARDAGE OF THE PROJECT

THE FOLLOWING CALCULATIONS REPRESENT THE PATCHING ESTIMATE:

$(29266.59 \text{ FT} \times 25.3 \text{ FT}) / 9 \text{ SQ YD/SQ FT} = 82271.6 \text{ SQ YD}$

$82271.6 \text{ SQ YD} \times 0.0075 = 617 \text{ SQ YD}$

8% = CLASS D 10"

90% = CLASS D 14"

2% = CLASS D 16"

CLASS D 10" = 617 SQ YD X .08 = 49.36, USE 50 SQ YD

CLASS D 14" = 617 SQ YD X .90 = 555.3, USE 555 SQ YD

CLASS D 16" = 617 SQ YD X .02 = 12.34, USE 12 SQ YD

44201765 CLASS D PATCH, TYPE II-10" (ASSUME ALL TYPE II) = 50 SQ YD

44201815 CLASS D PATCH, TYPE II-14" = 0.50 X 555 SQ YD = 277.5 SQ YD

44201819 CLASS D PATCH, TYPE III-14" = 0.40 X 555 SQ YD = 222 SQ YD

44201821 CLASS D PATCH, TYPE IV-14" = 0.10 X 555 SQ YD = 55.5 SQ YD

44201839 CLASS D PATCH, TYPE II-16" (ASSUME ALL TYPE II) = 12 SQ YD

FILE NAME = c:\pwwork\PWIDOT\SHERERJM\d0115161\7075\Schedules.dgn	USER NAME = shererjm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / IN.	CHECKED - JMS	REVISED -					760	124RS-6	DEWITT	21	12
PLOT DATE = 11/24/2009	DATE - 01/08/2009	REVISED -	SCALE:		SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				
							CONTRACT NO. 70758					

**\*40600990 TEMPORARY RAMP**

STATION	L (FT)	W (FT)	AREA (SQ YDS)
57+51.50	25.3	5	14.1
72+65.00	25.3	5	14.1
73+39.50	25.3	5	14.1
273+03.31	32	5	17.8
275+32.31	32	5	17.8
353+21.35	215	5	119.4
<b>TOTAL =</b>			<b>197.2</b>
<b>USE =</b>			<b>197.0</b>

**70300100 SHORT TERM PAVEMENT MARKING**

NET LENGTH OF SECTION =		29246.59	
29246.59	x	0.1 (4'/40')	= 2924.66
2924.659	x	2 (Apps)	= 5849.32
<b>USE =</b>			<b>5849.0</b>

**70301000 WORK ZONE PAVT MK REM**

2924.66	ft	/	4.0	ft =	731.16
731.16	x	1.33	sq ft =	972.45	ft
<b>USE =</b>					<b>973.0 ft</b>

**\*PLAN NOTE:** TEMPORARY RAMPS SHALL BE USED AT LOCATIONS SHOWN IN THE PLANS  
 IT IS THE INTENTION TO USE TEMPORARY RAMPS FOR MAJOR SIDE ROADS  
 AND LOCATIONS WHERE BITUMINOUS SURFACE REMOVAL 1 1/2" IS CONSTRUCTED.  
 TEMPORARY RAMPS SHALL NOT BE USED AT MINOR TOWNSHIP ROADS, PRIVATE ENTRANCES,  
 AND COMMERCIAL ENTRANCES.

**\*78001110 PAINT PAVEMENT MARKING - LINE 4" (YELLOW)**

**48101200 AGGREGATE SHOULDERS, TYPE B**

STATION	TO	STATION	LENGTH (FT)	WIDTH (FT)	AVERAGE THICKNESS (INCHES)	48101200 AGG SHLD TYPE B (TONS)
LT 57+51.50		LT 72+65.00	1513.5	3	1.125	56.8
RT 57+51.50		RT 72+65.00	1513.5	3	1.125	56.8
LT 73+39.50		LT 249+46.15	17606.7	3	1.125	660.2
RT 73+39.50		RT 249+46.15	17606.7	3	1.125	660.2
LT 249+46.15		LT 257+01.15	755.0	3	1.125	28.3
RT 249+46.15		RT 257+01.15	755.0	3	1.125	28.3
LT 263+47.27		LT 273+03.10	955.8	3	1.125	35.8
RT 263+47.27		RT 273+03.10	955.8	3	1.125	35.8
LT 275+32.31		LT 286+22.53	1090.2	3	1.125	40.9
RT 275+32.31		RT 286+22.53	1090.2	3	1.125	40.9
LT 288+32.51		LT 305+74.63	1742.1	3	1.125	65.3
RT 288+32.51		RT 305+74.63	1742.1	3	1.125	65.3
LT 317+03.00		LT 327+51.15	1048.2	3	1.125	39.3
RT 317+03.00		RT 327+51.15	1048.2	3	1.125	39.3
LT 327+51.15		LT 350+30.01	2278.9	3	1.125	85.5
RT 327+51.15		RT 350+30.01	2278.9	3	1.125	85.5
LT 350+30.01		LT 352+75.35	245.3	3	1.125	9.2
<b>TOTAL =</b>						<b>2033.5</b>
<b>USE =</b>						<b>2034.0</b>

STATION	TO	STATION	FOOT
NB 57+51.00		NB 64+60.00	(NO PASSING ZONE) 709.0
NB 246+80.00		NB 254+10.00	(NO PASSING ZONE) 730.0
SB 255+60.00		SB 265+10.00	(NO PASSING ZONE) 950.0
NB 281+60.00		NB 290+70.00	(NO PASSING ZONE) 910.0
SB 291+00.00		SB 300+40.00	(NO PASSING ZONE) 940.0
NB 342+40.00		NB 348+00.00	(NO PASSING ZONE) 560.0
<b>TOTAL =</b>			<b>4799.0</b>

\* ADDITIONAL STRIPING QUANTITIES NOT SHOWN IN SCHEDULE

**78000200 THERMOPLASTIC PAVEMENT MARKING-LINE 4" (YELLOW)**

	STATION	TO	STATION	FOOT
NB	348+00.00		NB 351+03.28	304.0
NB	351+03.28		NB 353+25.15	225.0
SB	351+03.28		SB 353+25.15	225.0
<b>TOTAL =</b>				<b>754.0</b>

**78000600 THERMOPLASTIC PAVEMENT MARKING-LINE 12" (YELLOW)**

	STATION	TO	STATION	FOOT
	348+00.00		351+03.28	40.0
<b>TOTAL =</b>				<b>40.0</b>

**78000600 THERMOPLASTIC PAVEMENT MARKING-LINE 12" (WHITE)**

	STATION	TO	STATION	FOOT
	LOCATION			
	ILL 48 & ILL 54 INTERSECTION			70.0
<b>TOTAL =</b>				<b>70.0</b>

**78000650 THERMOPLASTIC PAVEMENT MARKING-LINE 24" (WHITE)**

	LOCATION	FOOT
	ILL 48 & ILL 54 INTERSECTION	31.0
<b>TOTAL =</b>		<b>31.0</b>

**78000400 THERMOPLASTIC PAVEMENT MARKING-LINE 6" (WHITE)**

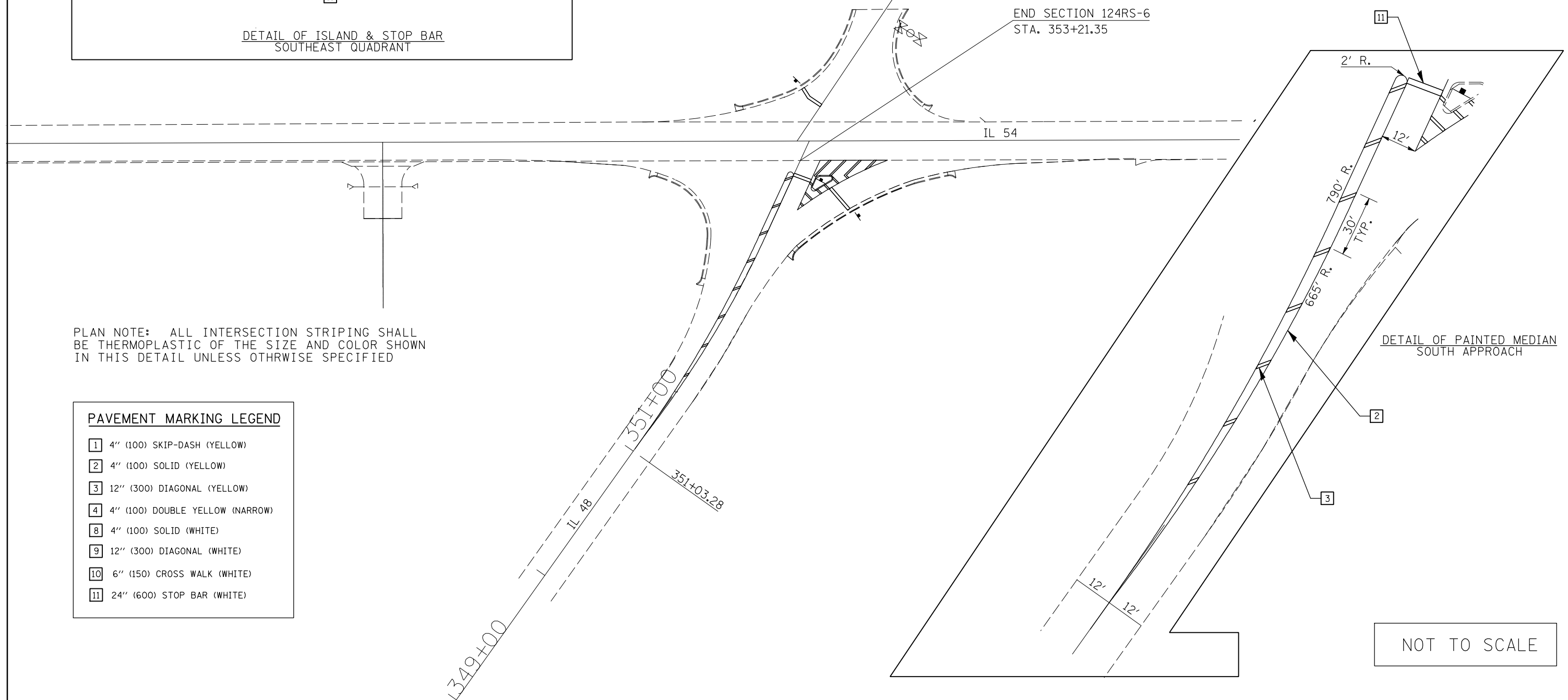
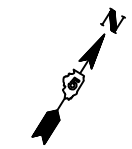
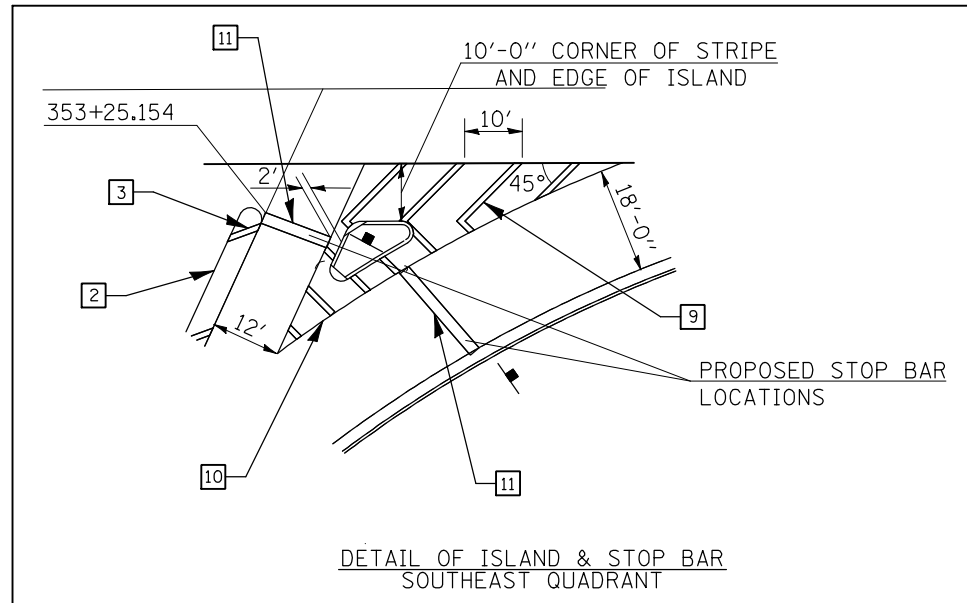
	LOCATION	FOOT
	ILL 48 & ILL 54 INTERSECTION	148.0
<b>TOTAL =</b>		<b>1770.0</b>

**Z0070100 SURVEY MONUMENT COVER ASSEMBLY**

	STATION	EACH
	3.2' RT 330+92	1.0

LOCATION OF MARKER TO BE ESTABLISHED BY SURVEYS

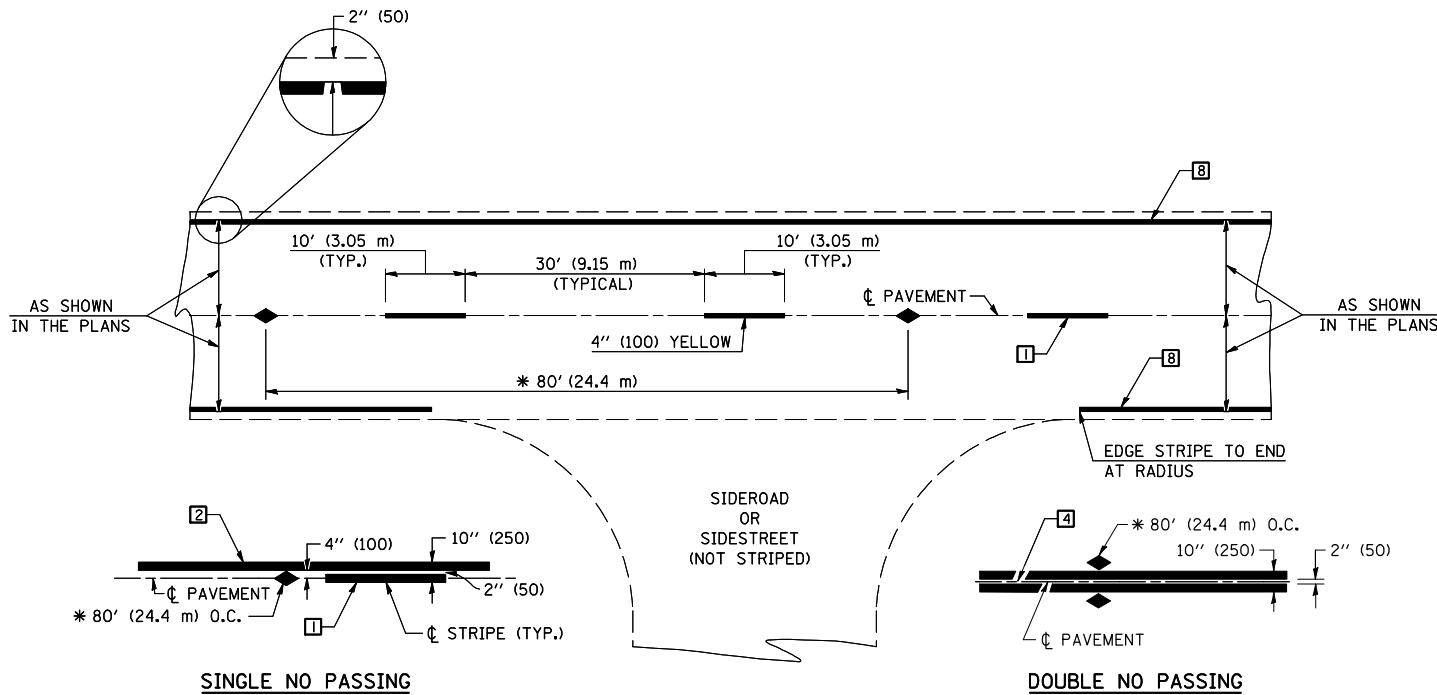
# STRIPING DETAILS IL 48 & IL 54 INTERSECTION



PLAN NOTE: ALL INTERSECTION STRIPING SHALL BE THERMOPLASTIC OF THE SIZE AND COLOR SHOWN IN THIS DETAIL UNLESS OTHERWISE SPECIFIED

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)

FILE NAME =	USER NAME = shererjm	DESIGNED - JMS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STRIPING DETAILS IL 48 &amp; IL 54 INTERSECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\SHERERJM\d0115161\70758\Details.dgn		DRAWN - JMS	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	760	124RS-6	DEWITT	21	15
		CHECKED - JMS	REVISED -		CONTRACT NO. 70758								
		DATE - 01/08/2009	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**

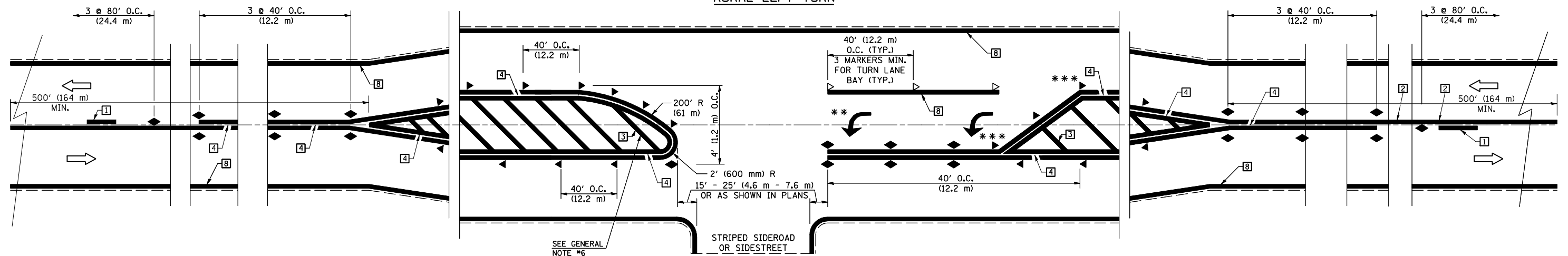
**TYPICAL PAVEMENT MARKING LEGEND**

- 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.

**DISTRICT 5 DETAIL NO. 7800AAA**

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115161\70780Detail1.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/24/2009	DATE -	REVISED -

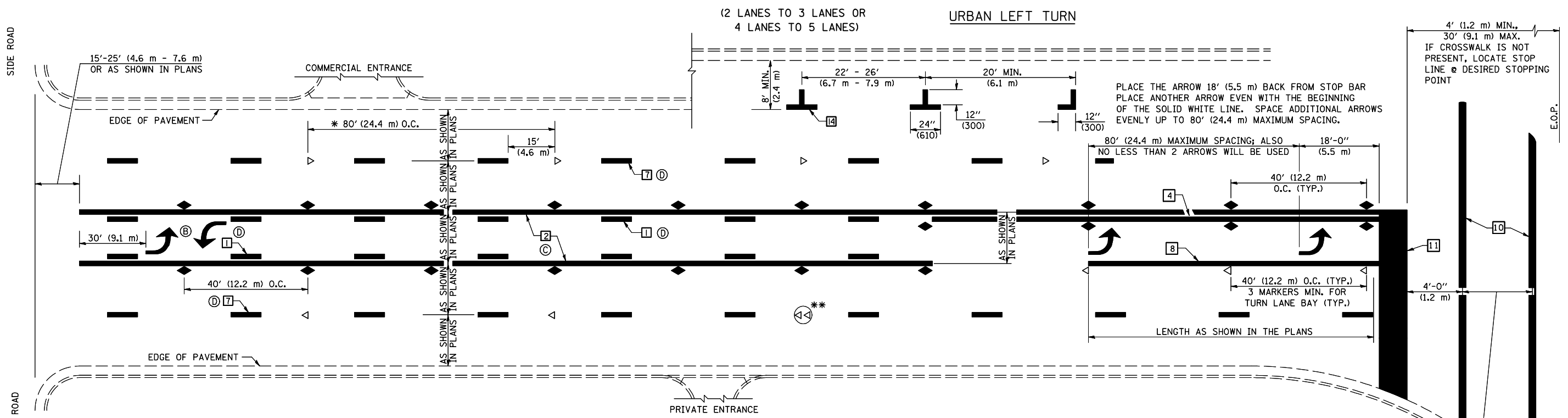
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	124RS-6	DEWITT	21	16
CONTRACT NO. 70758				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

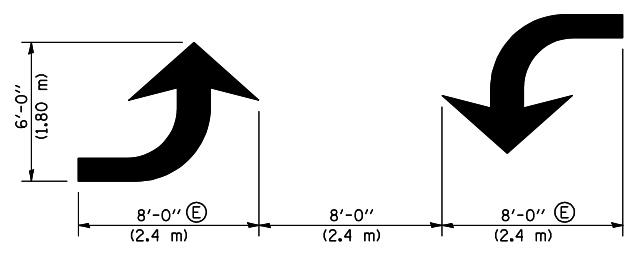
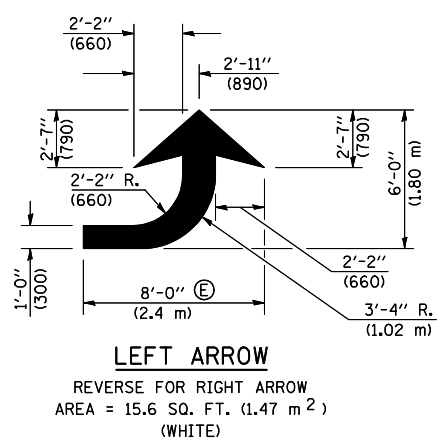




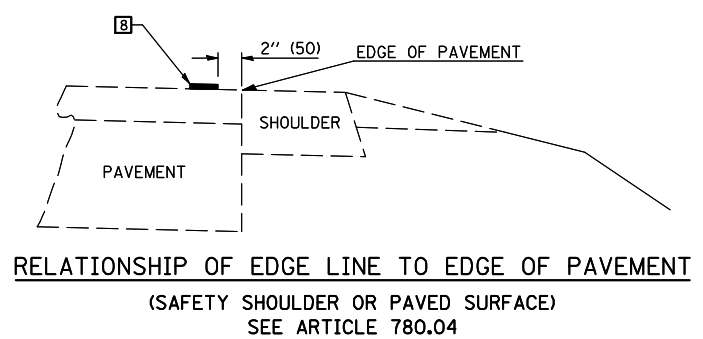
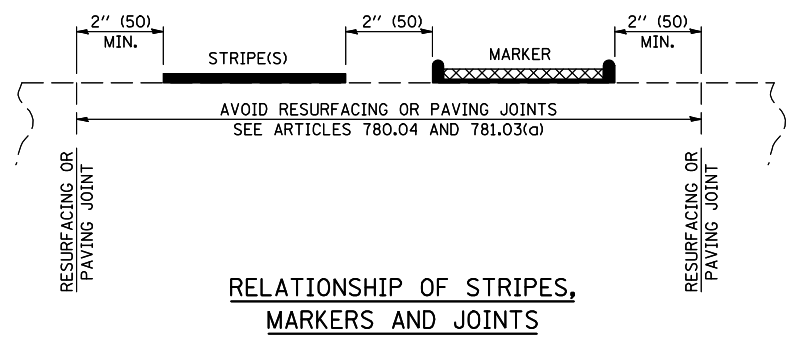
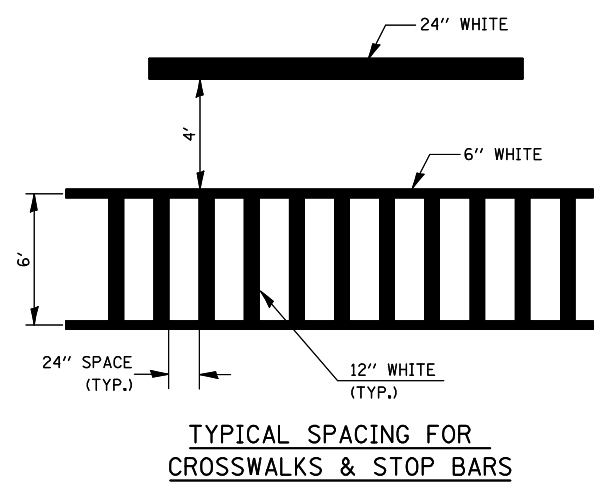
\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

- 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.
  - ⓒ 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. SEE EXAMPLE ON SHEET 2 OF 3.
  - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



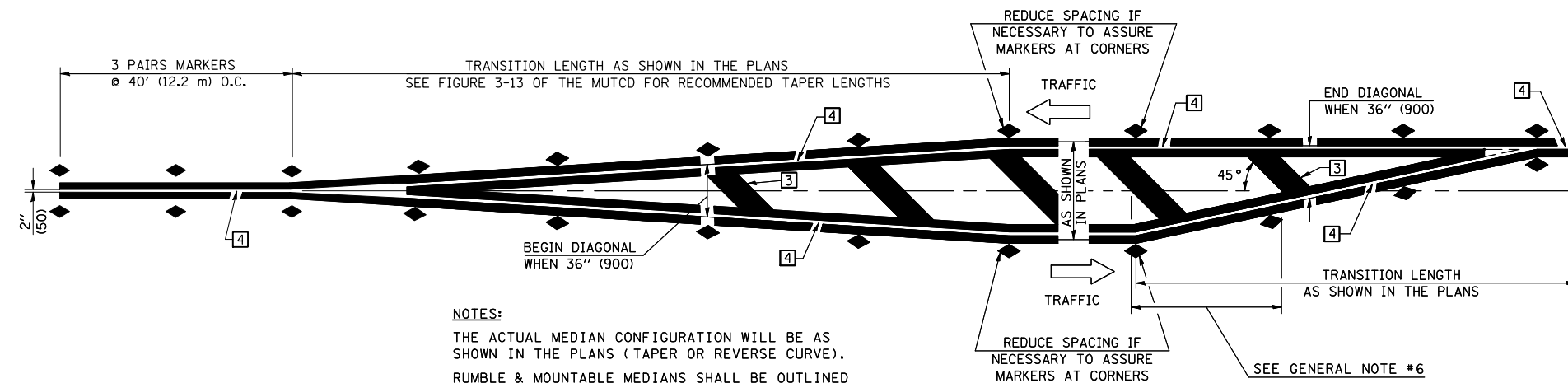
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



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

**DISTRICT 5 DETAIL NO. 7800AAA**

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ce:\pw\work\PIWIDOT\SHERERJM\d0115161\70780Details.dgn	DRAWN -	REVISED - 09/2009 - KJT	57			124RS-6	DEWITT	21	17	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 70758							
PLOT DATE = 11/24/2009	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT			

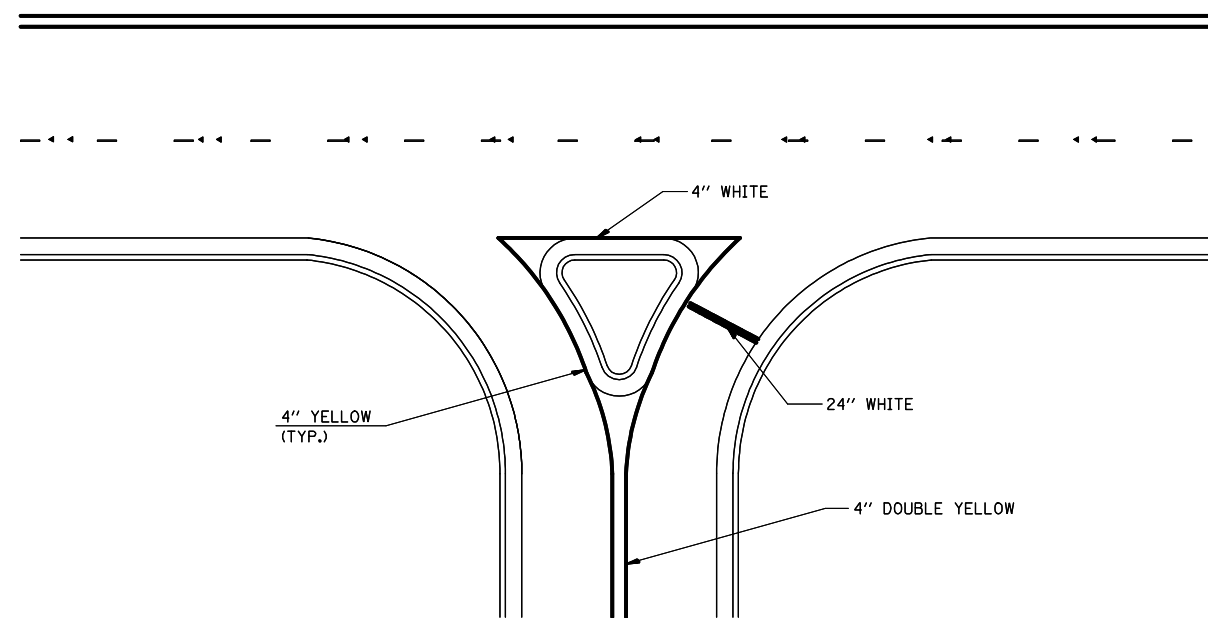


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

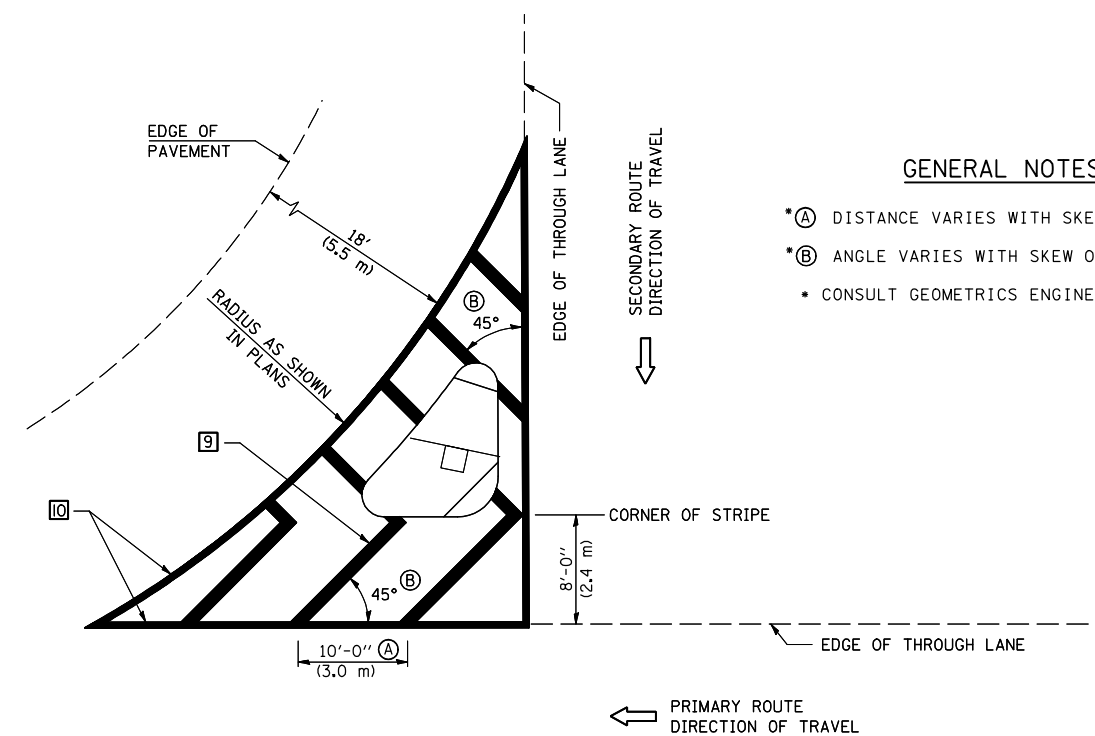
**TYPICAL MEDIAN TRANSITIONS**

**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**



**ISLAND**

**GENERAL NOTES**

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

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

FILE NAME =	USER NAME = shererjm	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\SHERERJM\d0115161\70780Detail1.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/24/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

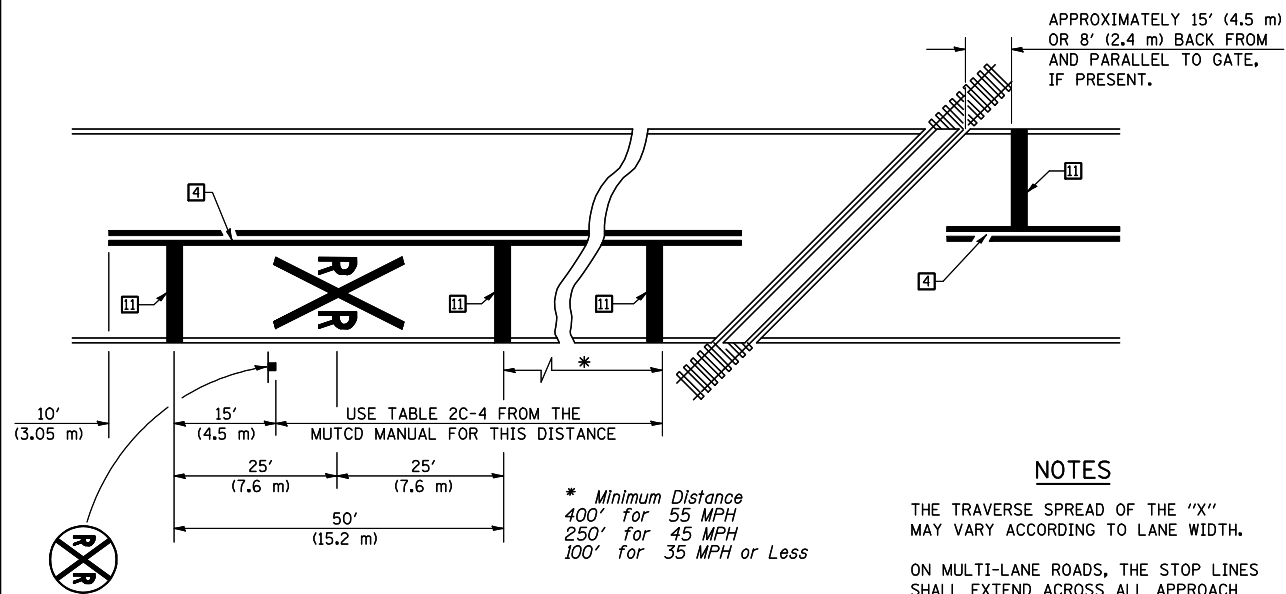
**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

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

<b>DISTRICT 5 DETAIL NO. 7800AAA</b>			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
57	14RS-6	DEWITT	21 18
			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

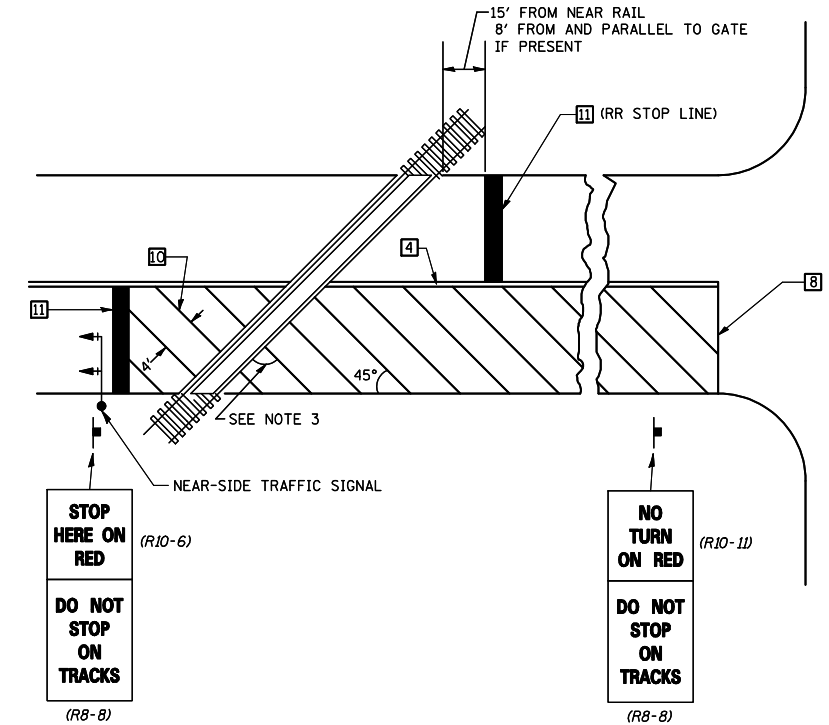
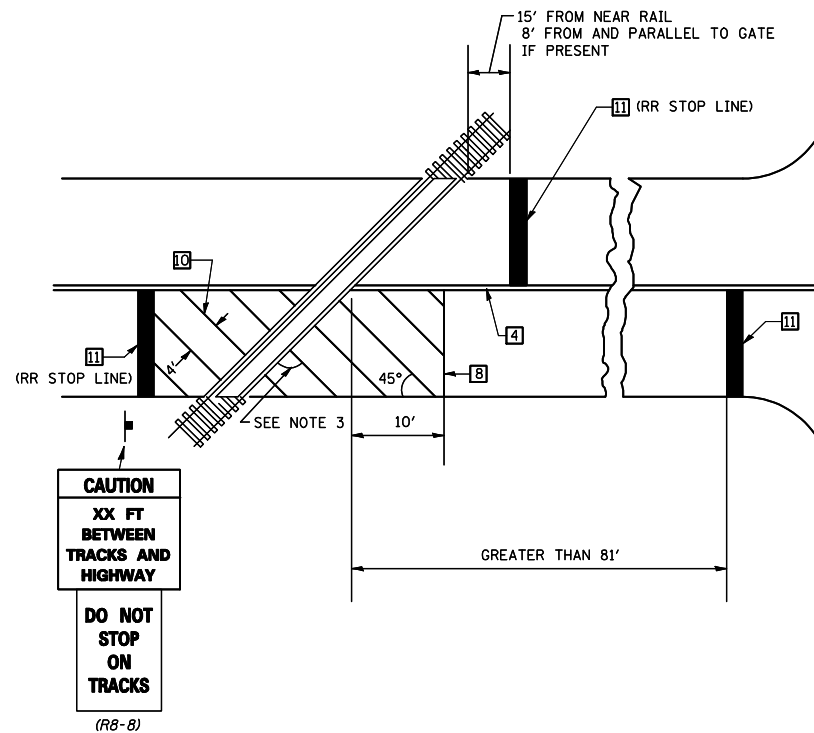
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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.

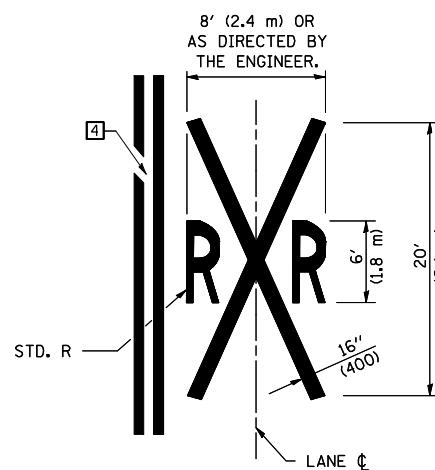
\* Minimum Distance  
400' for 55 MPH  
250' for 45 MPH  
100' for 35 MPH or Less



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.

DISTRICT 5 DETAIL NO. 7800AAAA

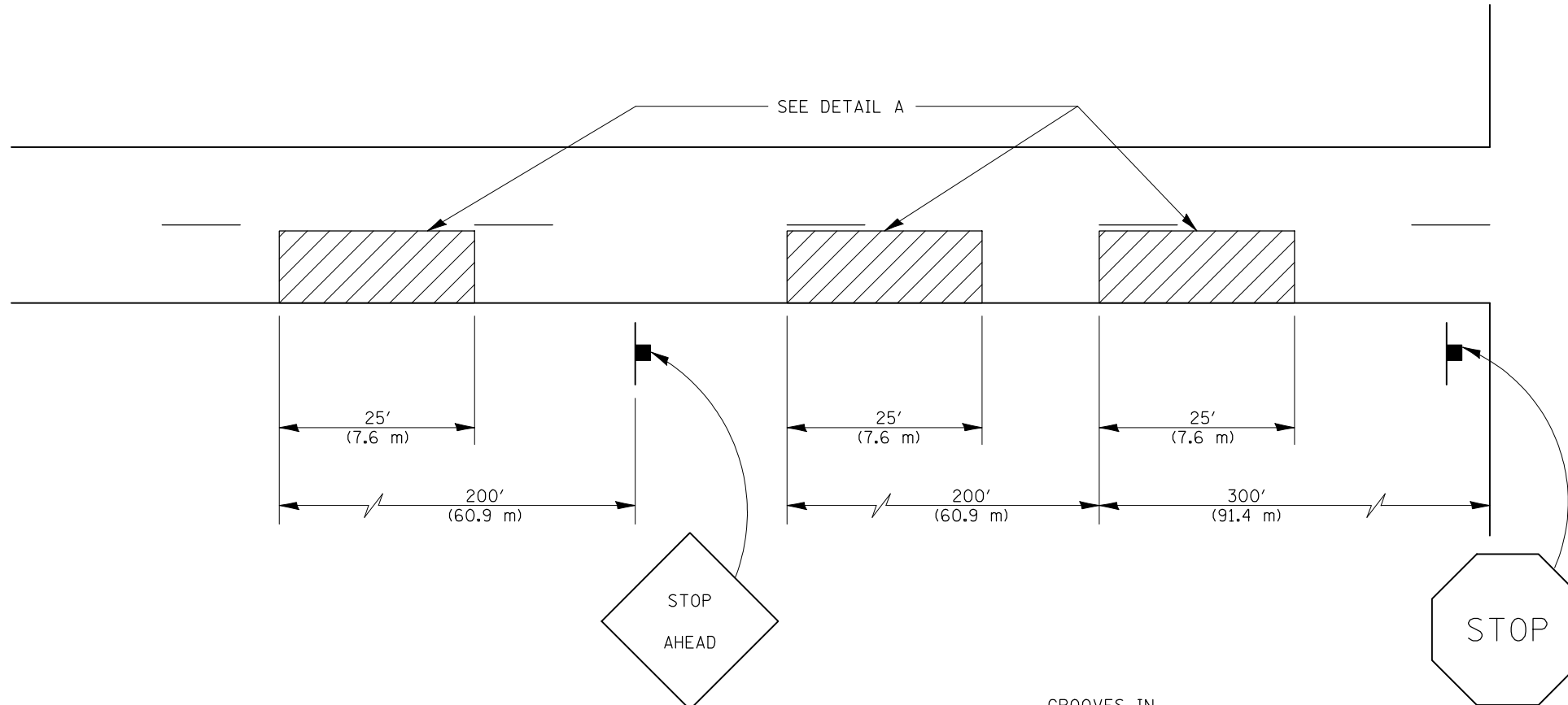
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

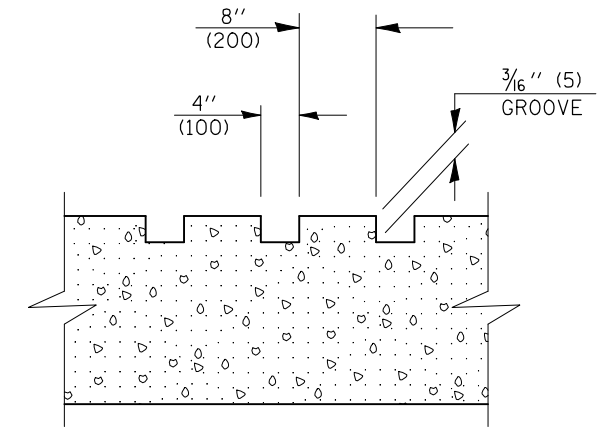
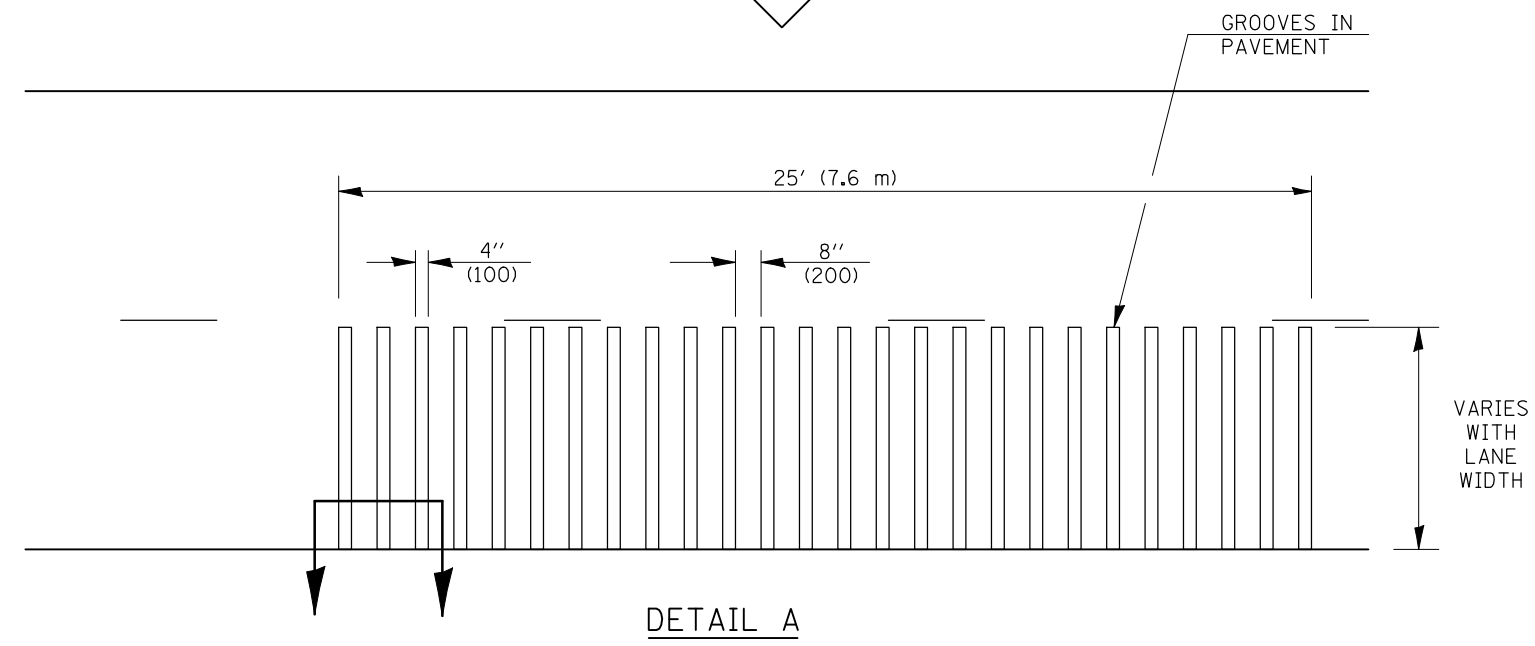
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	124RS-6	DEWITT	21	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	



**GENERAL NOTES**

1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.



**SECTION A-A**

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

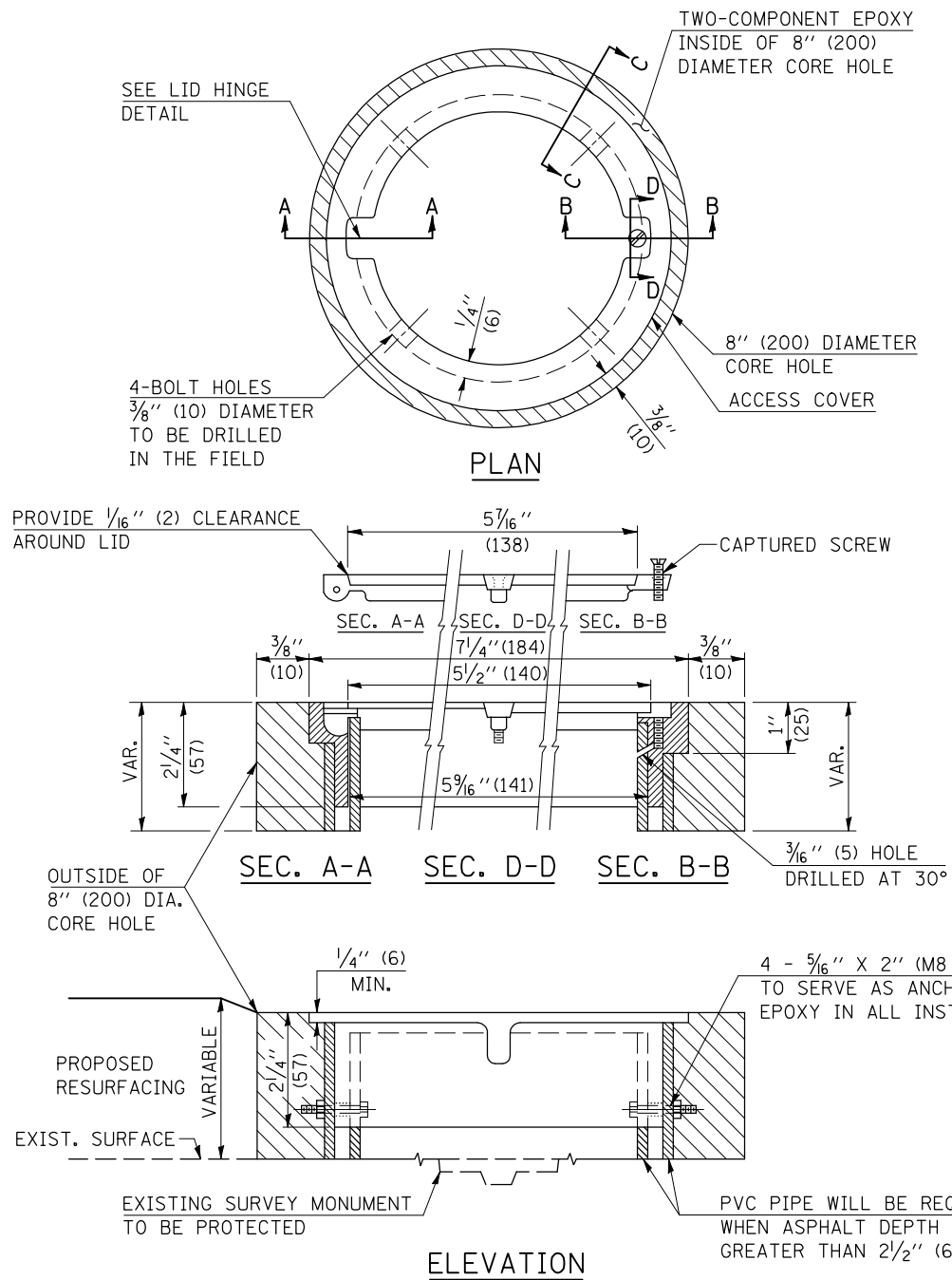
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RUMBLE STRIP (ADVANCE OF INTERSECTIONS)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

<b>DISTRICT 5 DETAIL NO. Z0055300</b>				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	20
CONTRACT NO. 70758				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. 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; Q0-A-601Es. NO EXCEPTIONS.

**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).

**GENERAL NOTES**

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SURVEY MONUMENT COVER ASSEMBLY**

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

**DISTRICT 5 DETAIL NO. Z0070100**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
760	124RS-6	DEWITT	21	21
CONTRACT NO. 70758				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				