

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

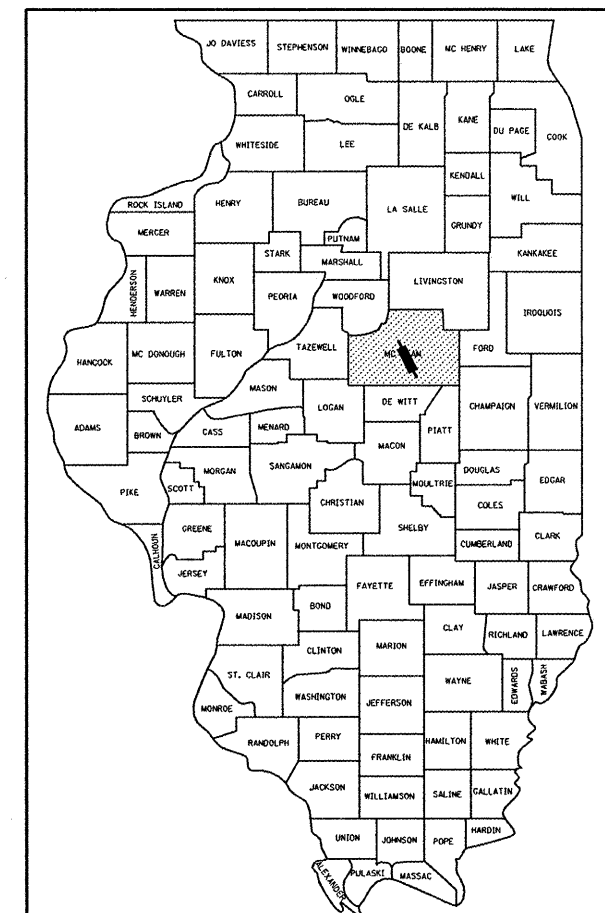
**PROPOSED  
HIGHWAY PLANS**

F.A.U. 6406 (U.S. 150)  
SECTION 1RS-3  
RESURFACING (SMART)  
WOODRIG RD. IN BLOOMINGTON TO DOWNS  
MCLEAN COUNTY

C-95-007-10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1RS-3	MCLEAN	33	1
		ILLINOIS	CONTRACT NO. 70539	

D-95-007-10



LOCATION OF SECTION INDICATED THUS: - ■ -

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

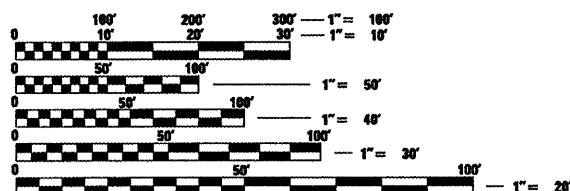
HMA INLAY (1.5") ON STRUCTURES

SN 057-8571  
SN 057-8572

**CURRENT ADT (2009)**

WOODRIG RD. TO TOWANDA-BARNES RD. = 4,650  
TOWANDA-BARNES RD. TO DOWNS = 7,600

**DESIGN DESIGNATION**  
MINOR ARTERIAL



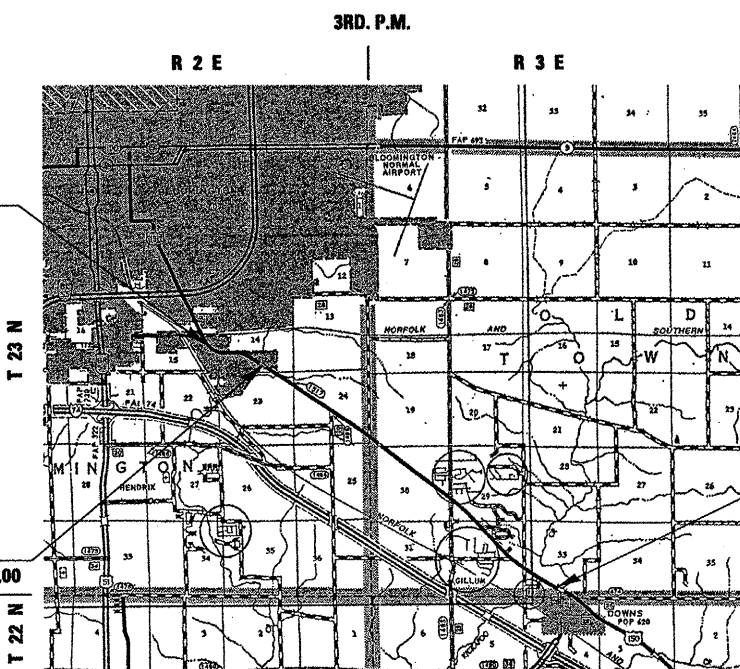
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

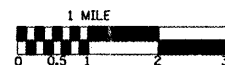
PROJECT ENGINEER: KEVIN TRAPP  
DESIGN SQUAD LEADER: MATT BOWER (217)465-4181  
DESIGNER: DAN CRADDOCK  
CONTRACT NO. 70539

SECTION 1RS-3 BEGINS  
STATION 107+20.00

BRIDGE OMISSION - SN 057-0224  
STATION 142+63.00 TO STATION 143+85.00



SECTION 1RS-3 ENDS  
STATION 408+63.25



GROSS LENGTH = 30,143.25 FT. = 5.709 MILES  
NET LENGTH = 30,021.25 FT. = 5.686 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 2/11, 2010  
*Angela E. Bower*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010  
*Scott E. Stull, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-15	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
16-20	SCHEDULE OF QUANTITIES
21	DETAIL OF ENTRANCES AND SIDEROADS
22	DETECTOR LOOP DETAIL
23	SURVEY MARKER VAULT
24	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)
25-29	PAVEMENT MARKINGS DETAILS
30-33	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS (RURAL & URBAN APPLICATIONS)

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
701011-02	OFF-ROAD 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 $\geq$ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -
ct:\pw_work\PWIDOT\BOWERML\d0115116\d57039\sh-t-index.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 / / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS/HIGHWAY STANDARDS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1RS-3	MCLEAN	33	2
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

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.

**GN 406H Mixture Requirements**

Location	US 150	US 150	US 150	US 150
Mixture Use	Class D and HMA Base Course Widening	C Surface and HMA Shldr W of Towanda Brns Rd	D Surface and HMA Shldr E of Towanda Brns Rd	Incidental
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	25	15	15	15
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 19.0	IL 9.5	IL 9.5	IL 9.5
Friction Aggregate	N.A.	Mix C	Mix D	Mix C

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, PT, AND PI).  
 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.

NO COMMITMENTS

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pv_work\PWIDOT\BOWERML\0115116\057039-sht-index.dgn		DRAWN -	REVISED -			6406	IRS-3	MCLEAN	33	3
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70539				
PLOT DATE = 1/29/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. OF SHEETS STA.		TO STA.		

LOCATION OF WORK: FAU 6406 (US 150)  
 MCLEAN COUNTY  
 STA. 107+20.00 TO  
 STA. 408+63.25  
 URBAN

FUNDING BREAKOUT: 100% STATE

CONSTRUCTION TYPE CODE: 1000  
 TOTAL QUANTITY

CODE NO	ITEM	UNIT	TOTAL QUANTITY
20200500	EARTH EXCAVATION (WIDENING)	CU YD	114.0
31102100	SUB-BASE GRANULAR MATERIAL, TYPE C4"	SQ YD	340.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12,048.0
40600300	AGGREGATE (PRIME COAT)	TON	242.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	4,654.0
40600990	TEMPORARY RAMP	SQ YD	207.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4,551.0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50	TON	3,481.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	233.0
40800030	AGGREGATE (PRIME COAT)	TON	10.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	392.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	120,477.0
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	354.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	776.0
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	340.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,089.0
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	6,862.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100,158.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	485.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,863.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	204.0

\* SPECIALTY ITEMS

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.U. RTE.	MCLEAN	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/29/2010		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

LOCATION OF WORK:

FAU 6406 (US 150)  
 MCLEAN COUNTY  
 STA. 107+20.00 TO  
 STA. 408+63.25  
 URBAN

FUNDING BREAKOUT:

100% STATE

CONSTRUCTION TYPE CODE:

1000

CODE NO	ITEM	UNIT	TOTAL QUANTITY
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,288.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	263.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26,719.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	485.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,863.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	204.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	73,439.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	515.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	515.0
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1,542.0
X0301232	SURVEY MARKER VAULT	EACH	27.0
XZ193300	SURVEY MARKER, TYPE 1(SPECIAL)	EACH	27.0

\*SPECIALTY ITEMS

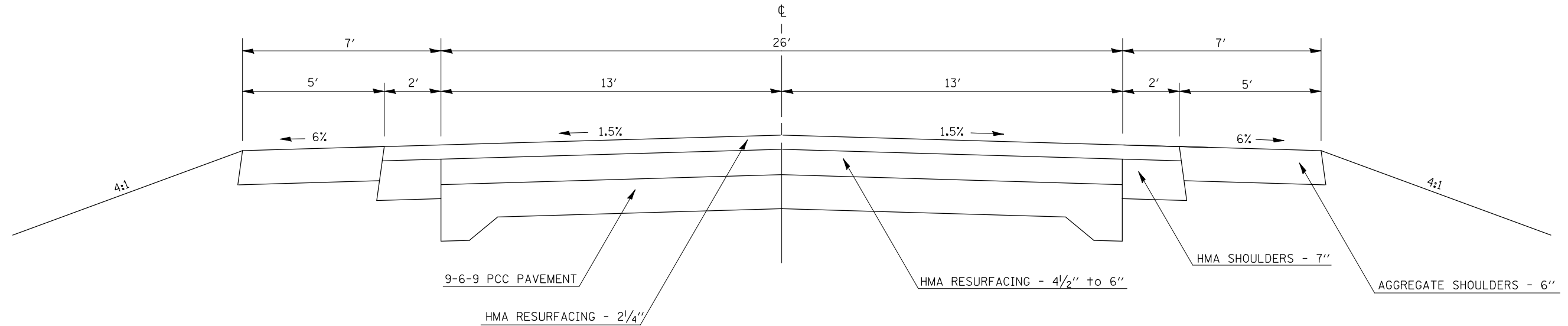
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PLOT DATE = 1/29/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



### EXISTING TYPICAL CROSS SECTION ③

U.S. 150

STATION 149+00.00 TO STATION 245+60.00  
 STATION 264+54.70 TO STATION 288+55.83  
 STATION 301+65.50 TO STATION 303+87.00  
 STATION 321+13.75 TO STATION 327+00.00  
 STATION 376+00.00 TO STATION 379+04.50  
 STATION 392+08.16 TO STATION 392+60.00  
 STATION 397+50.00 TO STATION 400+91.00



### EXISTING TYPICAL CROSS SECTION ④

U.S. 150 - CURVE RIGHT

STATION 264+50.00 TO STATION 266+54.70 S.E. TRANSITION

U.S. 150 - CURVE LEFT

STATION 288+55.83 TO STATION 290+80.83 S.E. TRANSITION

STATION 290+80.83 TO STATION 299+40.50 FULL S.E.

STATION 299+40.50 TO STATION 301+65.50 S.E. TRANSITION

U.S. 150 - CURVE RIGHT

STATION 316+61.00 TO STATION 318+98.75 FULL S.E.

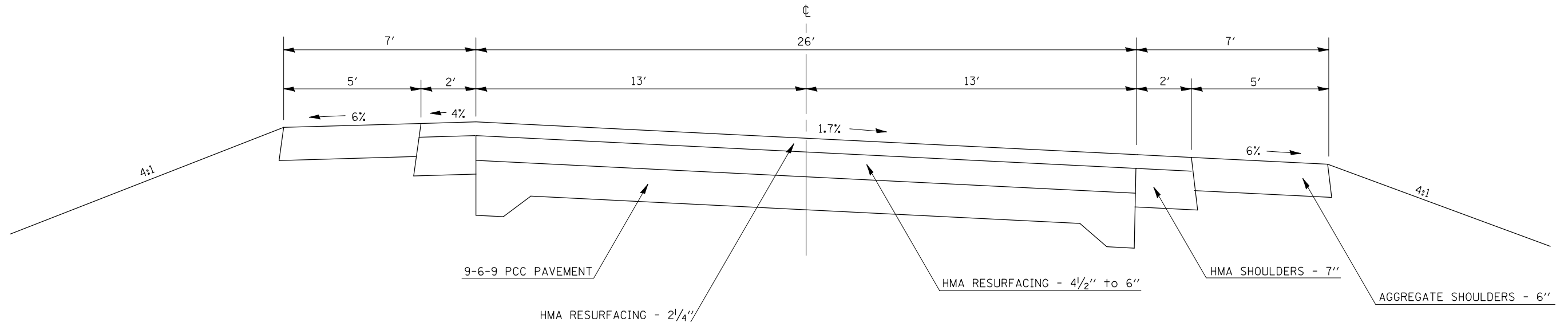
STATION 318+98.75 TO STATION 321+13.75 TRANSITION

U.S. 150 - CURVE LEFT

STATION 379+04.50 TO STATION 381+19.50 S.E. TRANSITION

STATION 381+19.50 TO STATION 389+93.16 FULL S.E.

STATION 389+93.16 TO STATION 392+08.16 S.E. TRANSITION



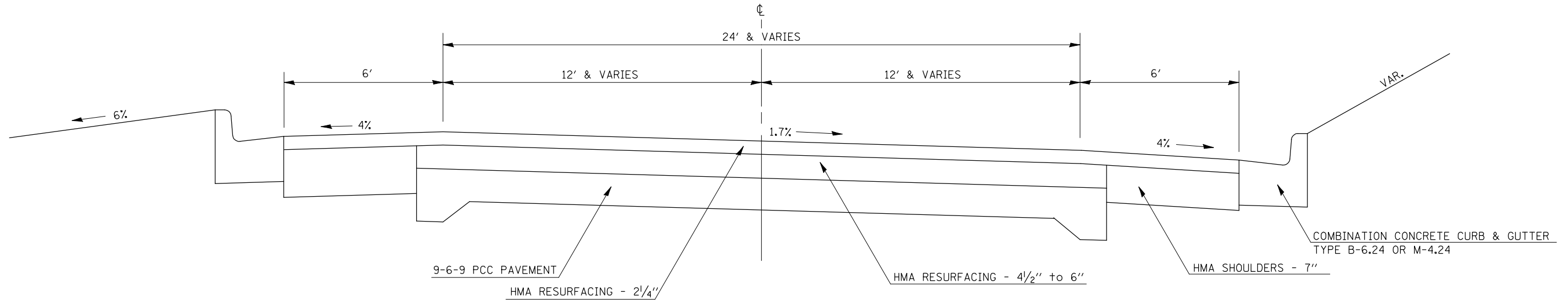
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PLOT DATE = 1/29/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

## EXISTING TYPICAL CROSS SECTION ⑤

**U.S. 150 - CURVE RIGHT**  
 STATION 253+67.60 TO STATION 255+92.60 S.E. TRANSITION  
 STATION 255+92.60 TO STATION 264+29.70 FULL S.E.  
 STATION 264+29.70 TO STATION 264+50.00 S.E. TRANSITION

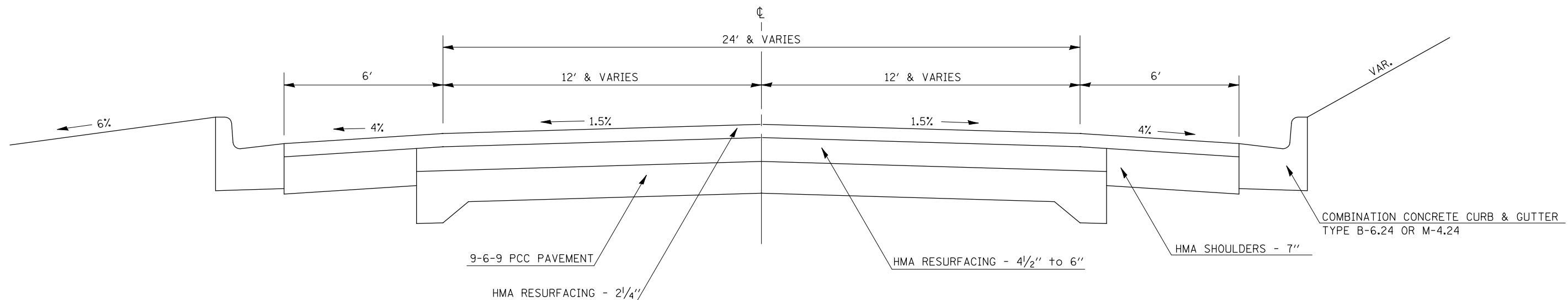
**U.S. 150 - CURVE RIGHT**  
 STATION 361+24.67 TO STATION 363+39.67 S.E. TRANSITION  
 STATION 363+39.67 TO STATION 371+88.71 FULL S.E.  
 STATION 371+88.71 TO STATION 374+03.71 S.E. TRANSITION

**U.S. 150 - CURVE RIGHT**  
 STATION 341+61.44 TO STATION 363+76.44 S.E. TRANSITION  
 STATION 363+76.44 TO STATION 348+23.47 FULL S.E.  
 STATION 348+23.47 TO STATION 350+38.47 S.E. TRANSITION



## EXISTING TYPICAL CROSS SECTION ⑥

**U.S. 150**  
 STATION 245+60.00 TO STATION 253+67.60  
 STATION 327+00.00 TO STATION 341+61.44  
 STATION 350+38.47 TO STATION 361+24.67  
 STATION 374+03.71 TO STATION 376+00.00  
 STATION 392+60.00 TO STATION 397+50.00

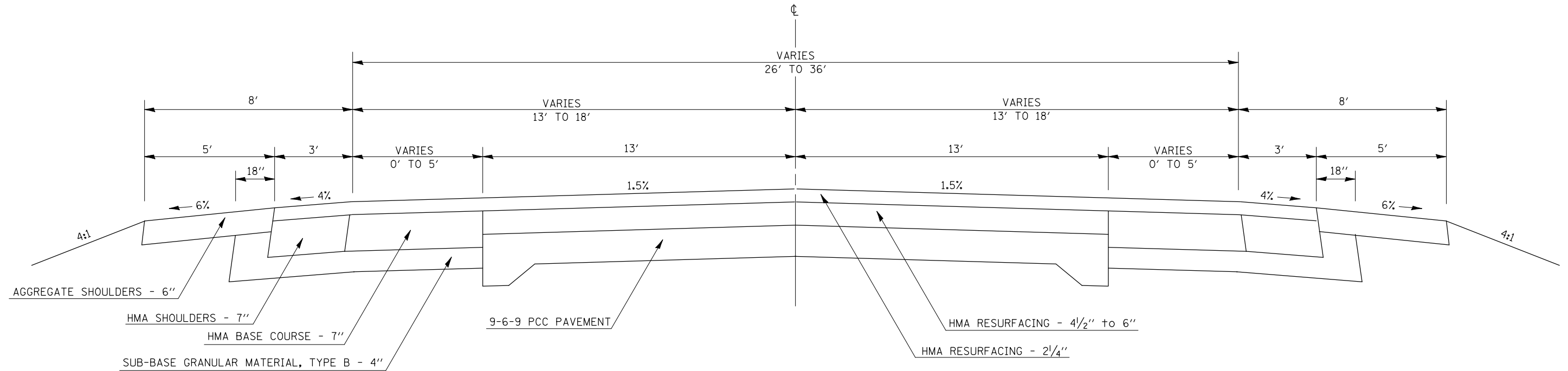


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		DATE -	REVISED -												



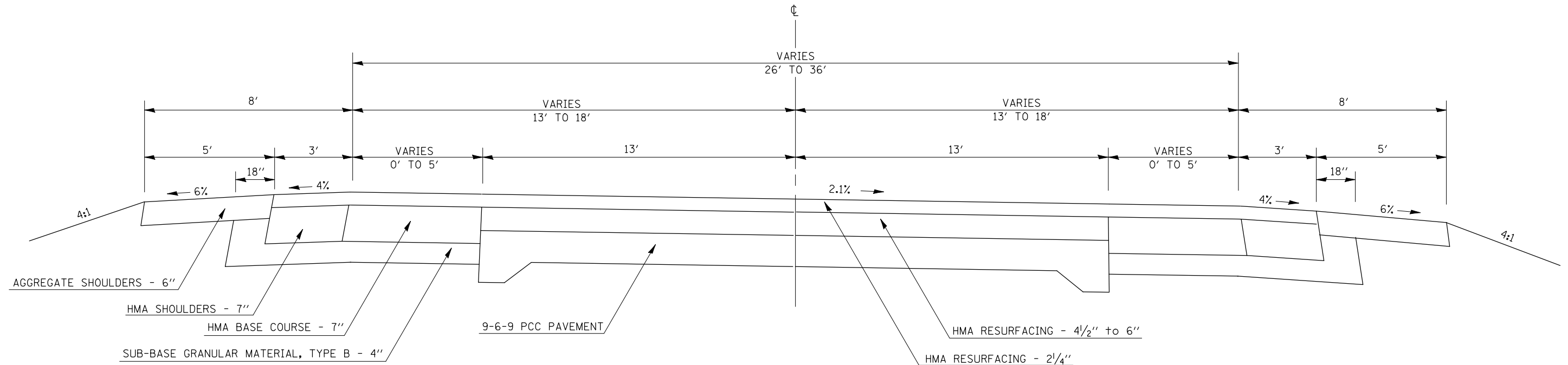
# EXISTING TYPICAL CROSS SECTION 7

**U.S. 150**  
STATION 303+87.00 TO STATION 308+21.39



# EXISTING TYPICAL CROSS SECTION 8

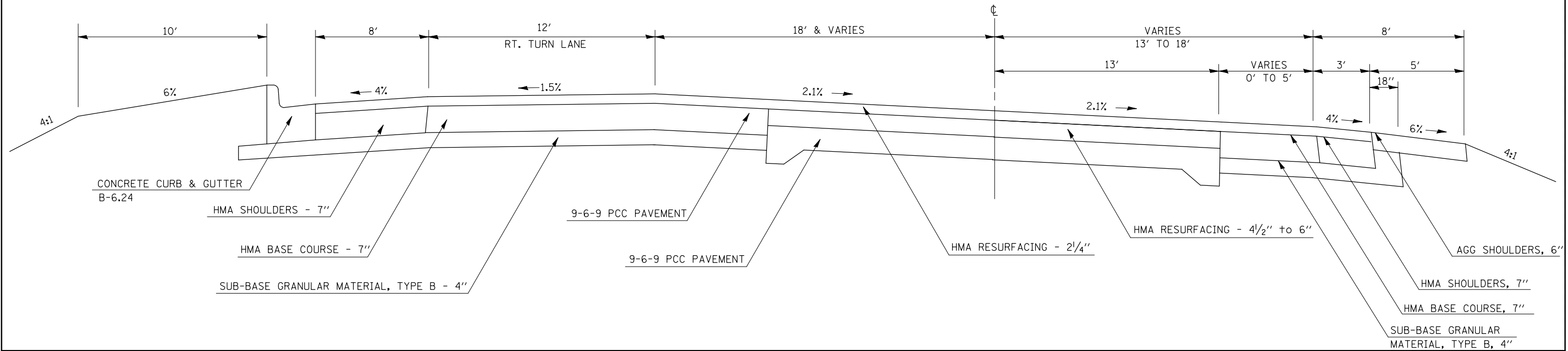
**U.S. 150 - CURVE RIGHT**  
STATION 308+21.39 TO STATION 310+36.39 S.E. TRANSITION  
STATION 310+36.39 TO STATION 311+21.83 FULL S.E.  
STATION 314+77.00 TO STATION 316+61.00 FULL S.E.



FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/29/2010		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

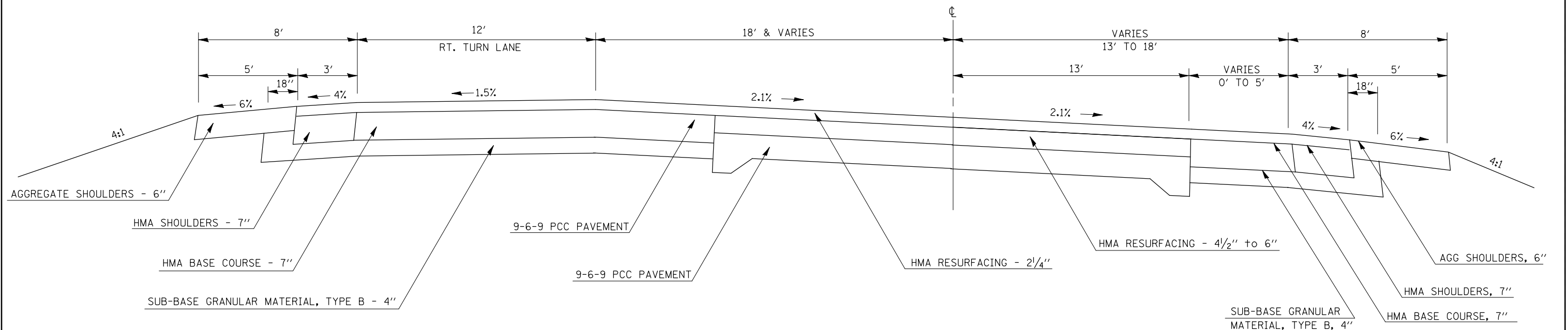
# EXISTING TYPICAL CROSS SECTION 9

**U.S. 150**  
STATION 311+21.83 TO STATION 312+47.00



# EXISTING TYPICAL CROSS SECTION 10

**U.S. 150**  
STATION 312+47.00 TO STATION 314+77.00



FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTIONS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		DATE -	REVISED -												

ILLINOIS FED. AID PROJECT

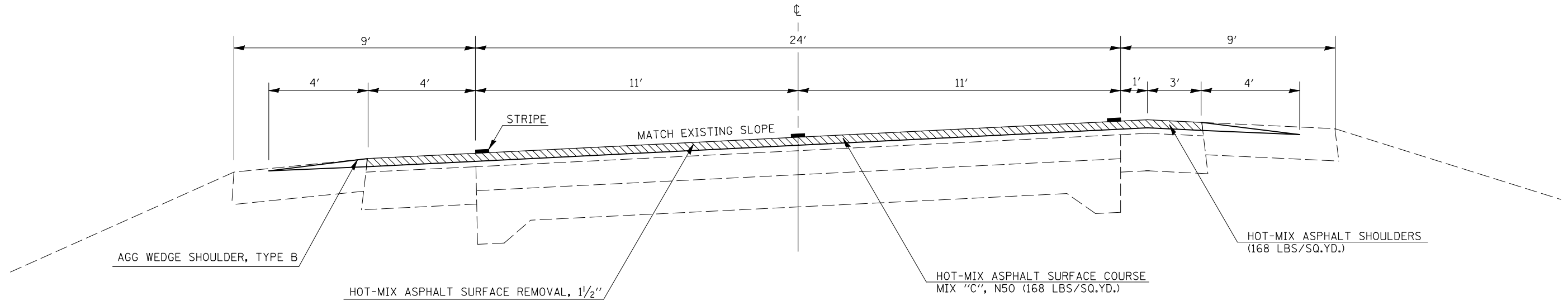
# PROPOSED TYPICAL CROSS SECTION ①

## U.S. 150 - CURVE LEFT

STATION 107+20.00 TO STATION 115+15.55 FULL S.E. (4.4%)  
 STATION 115+15.55 TO STATION 117+40.55 S.E. TRANSITION

## U.S. 150 - CURVE RIGHT

STATION 123+15.00 TO STATION 125+40.00 S.E. TRANSITION  
 STATION 125+40.00 TO STATION 131+62.90 FULL S.E. (6.9%)  
 STATION 131+62.90 TO STATION 133+87.90 S.E. TRANSITION



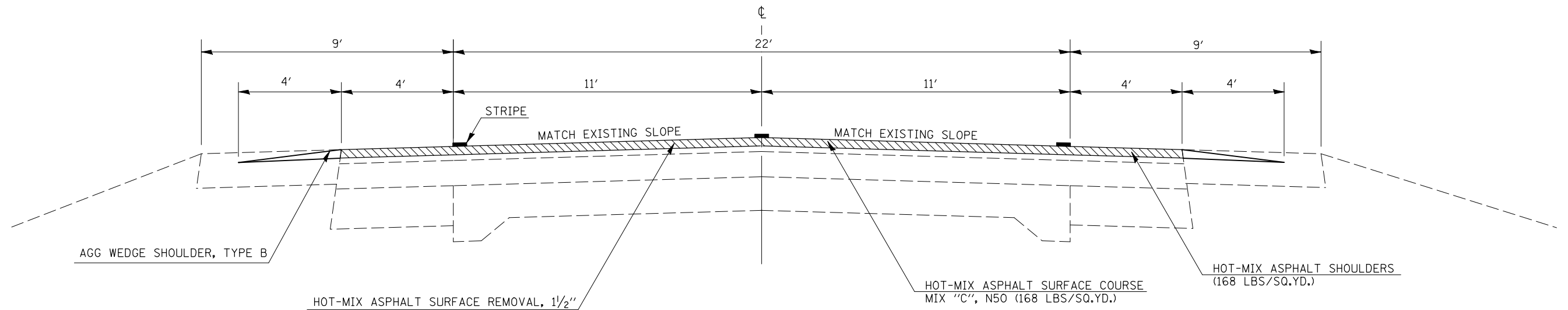
# PROPOSED TYPICAL CROSS SECTION ②

## U.S. 150

STATION 117+40.55 TO STATION 123+15.00  
 STATION 133+87.90 TO STATION 142+63.00  
 STATION 143+85.00 TO STATION 149+00.00

## BRIDGE OMISSION S.N. 057-0224

STATION 142+63.00 TO STATION 143+85.00

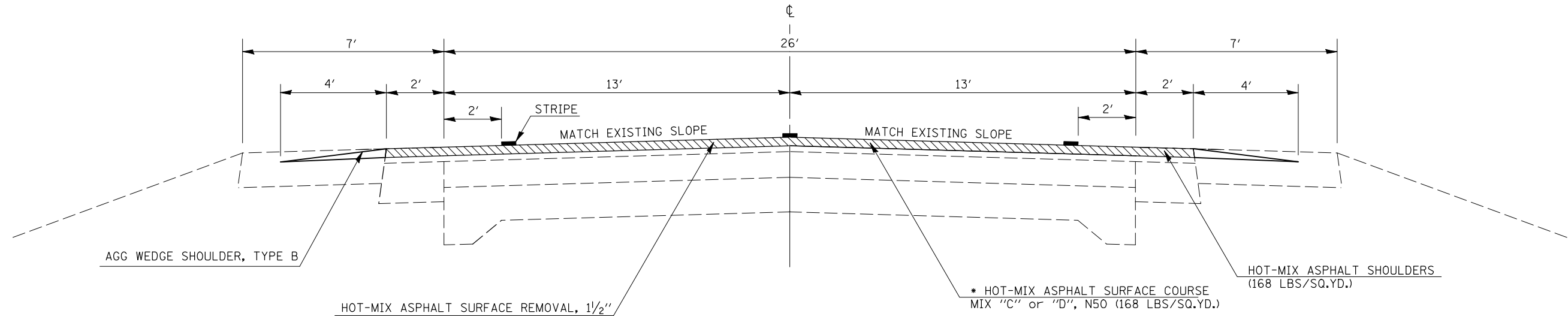


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ct:\pwwork\pwwid\BOWERML\d0115116\d570539-sh1-typ1001.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -						6406	IRS-3	MCLEAN	33	11
PLOT DATE = 1/29/2010	DATE -	CHECKED -	REVISED -		SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.				CONTRACT NO. 70539				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

# PROPOSED TYPICAL CROSS SECTION 3

U.S. 150

STATION 149+00.00 TO STATION 245+60.00  
 STATION 264+54.70 TO STATION 288+55.83  
 STATION 301+65.50 TO STATION 303+87.00  
 STATION 321+13.75 TO STATION 327+00.00  
 STATION 376+00.00 TO STATION 379+04.50  
 STATION 392+08.16 TO STATION 392+60.00  
 STATION 397+50.00 TO STATION 400+91.00



\* HOT-MIX ASPHALT SURFACE COURSE  
 MIX "C" or "D", N50 (168 LBS/SQ.YD.)

\* WEST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50  
 EAST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50

# PROPOSED TYPICAL CROSS SECTION 4

U.S. 150 - CURVE RIGHT

STATION 264+50.00 TO STATION 266+54.70 S.E. TRANSITION

U.S. 150 - CURVE LEFT

STATION 288+55.83 TO STATION 290+80.83 S.E. TRANSITION

STATION 290+80.83 TO STATION 299+40.50 FULL S.E.

STATION 299+40.50 TO STATION 301+65.50 S.E. TRANSITION

U.S. 150 - CURVE RIGHT

STATION 316+61.00 TO STATION 318+98.75 FULL S.E.

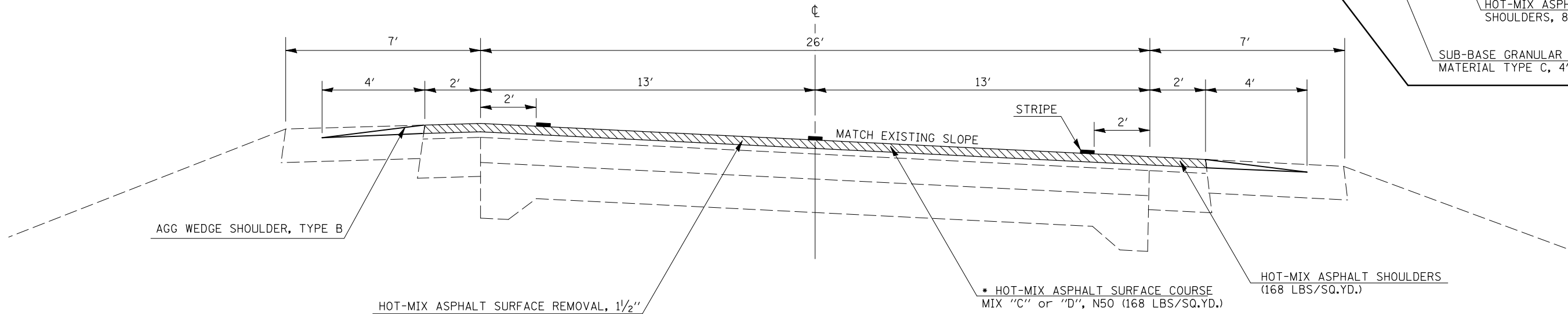
STATION 318+98.75 TO STATION 321+13.75 TRANSITION

U.S. 150 - CURVE LEFT

STATION 379+04.50 TO STATION 381+19.50 S.E. TRANSITION

STATION 381+19.50 TO STATION 389+93.16 FULL S.E.

STATION 389+93.16 TO STATION 392+08.16 S.E. TRANSITION

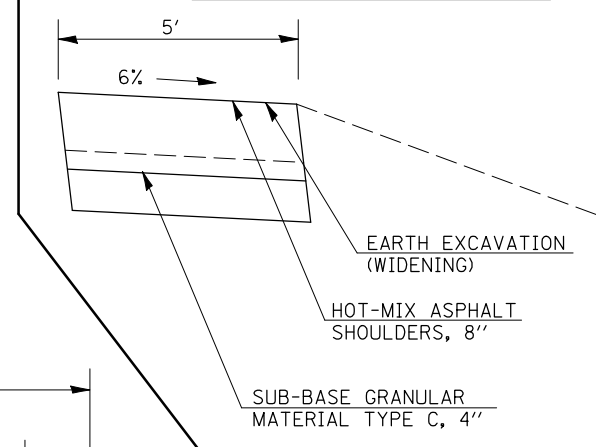


\* HOT-MIX ASPHALT SURFACE COURSE  
 MIX "C" or "D", N50 (168 LBS/SQ.YD.)

HOT-MIX ASPHALT SHOULDERS  
 (168 LBS/SQ.YD.)

\* WEST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50  
 EAST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50

STA. 386+18 LT TO STA. 392+30 LT



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	PLOT DATE = 1/29/2010	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

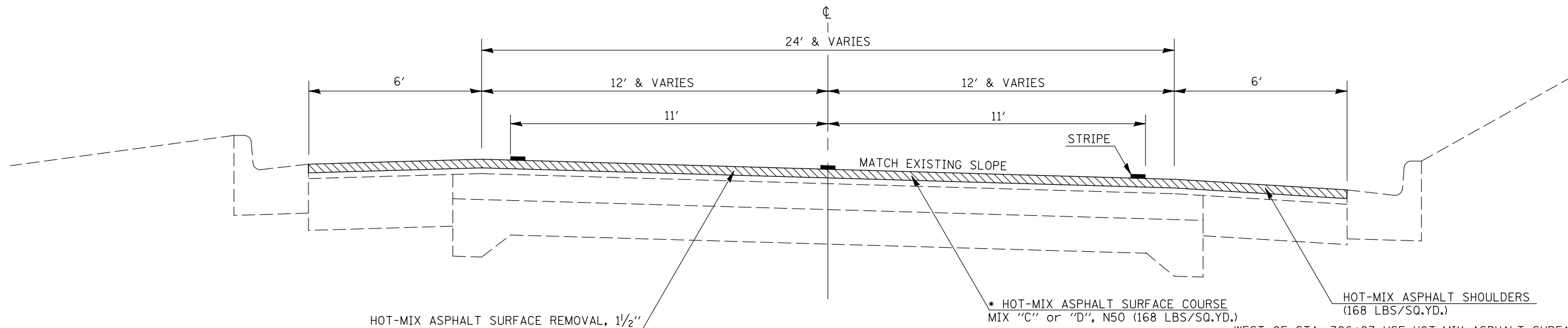
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	12
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

## PROPOSED TYPICAL CROSS SECTION 5

**U.S. 150 - CURVE RIGHT**  
 STATION 253+67.60 TO STATION 255+92.60 S.E. TRANSITION  
 STATION 255+92.60 TO STATION 264+29.70 FULL S.E.  
 STATION 264+29.70 TO STATION 264+50.00 S.E. TRANSITION

**U.S. 150 - CURVE RIGHT**  
 STATION 341+61.44 TO STATION 363+76.44 S.E. TRANSITION  
 STATION 343+76.44 TO STATION 348+23.47 FULL S.E.  
 STATION 348+23.47 TO STATION 350+38.47 S.E. TRANSITION

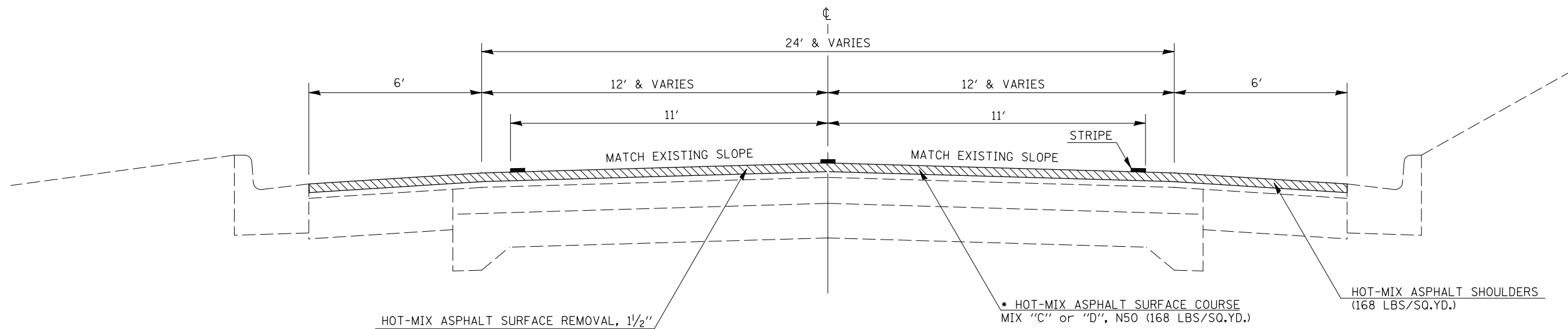
**U.S. 150 - CURVE RIGHT**  
 STATION 361+24.67 TO STATION 363+39.67 S.E. TRANSITION  
 STATION 363+39.67 TO STATION 371+88.71 FULL S.E.  
 STATION 371+88.71 TO STATION 374+03.71 S.E. TRANSITION



\* WEST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50  
 EAST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50

## PROPOSED TYPICAL CROSS SECTION 6

**U.S. 150**  
 STATION 245+60.00 TO STATION 253+67.60  
 STATION 327+00.00 TO STATION 341+61.44  
 STATION 350+38.47 TO STATION 361+24.67  
 STATION 374+03.71 TO STATION 376+00.00  
 STATION 392+60.00 TO STATION 397+50.00



\* WEST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50  
 EAST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50

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		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

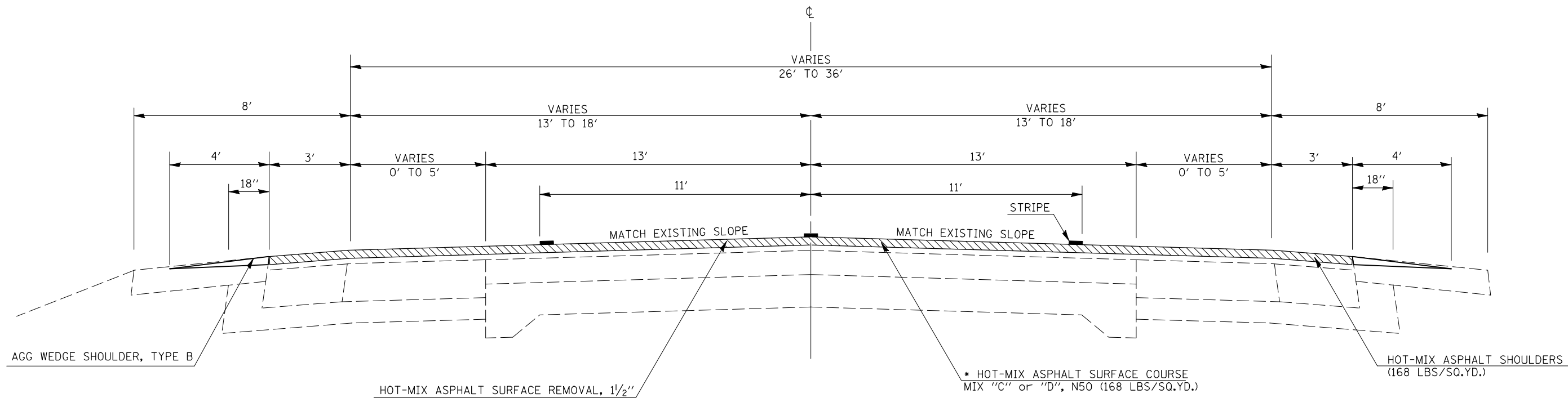
**PROPOSED TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	13
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

# PROPOSED TYPICAL CROSS SECTION 7

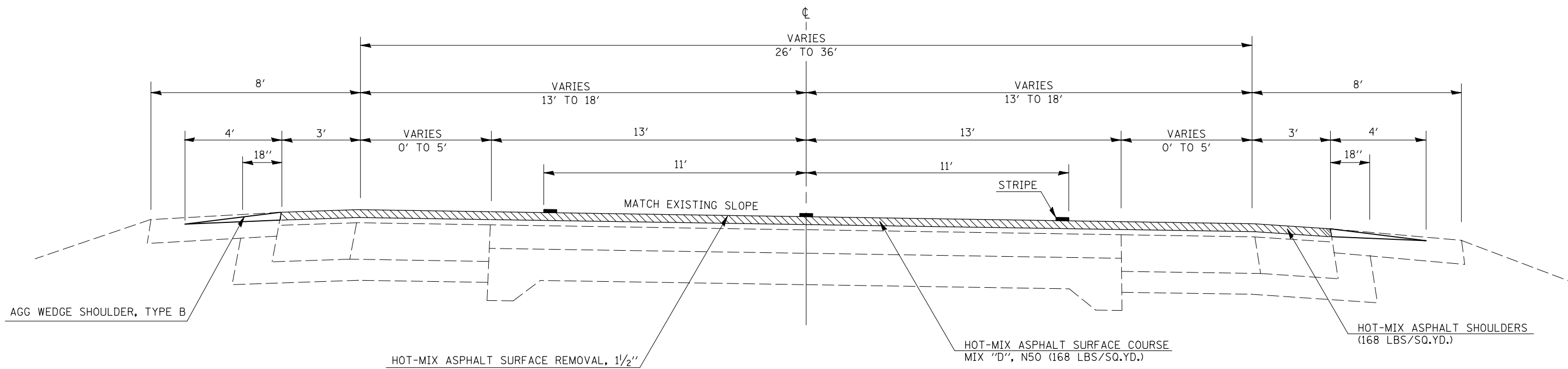
**U.S. 150**  
 STATION 303+87.00 TO STATION 308+21.39



\* WEST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50  
 EAST OF STA. 306+87 USE HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50

# PROPOSED TYPICAL CROSS SECTION 8

**U.S. 150 - CURVE RIGHT**  
 STATION 308+21.39 TO STATION 310+36.39 S.E. TRANSITION  
 STATION 310+36.39 TO STATION 311+21.83 FULL S.E.  
 STATION 314+77.00 TO STATION 316+61.00 FULL S.E.



FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

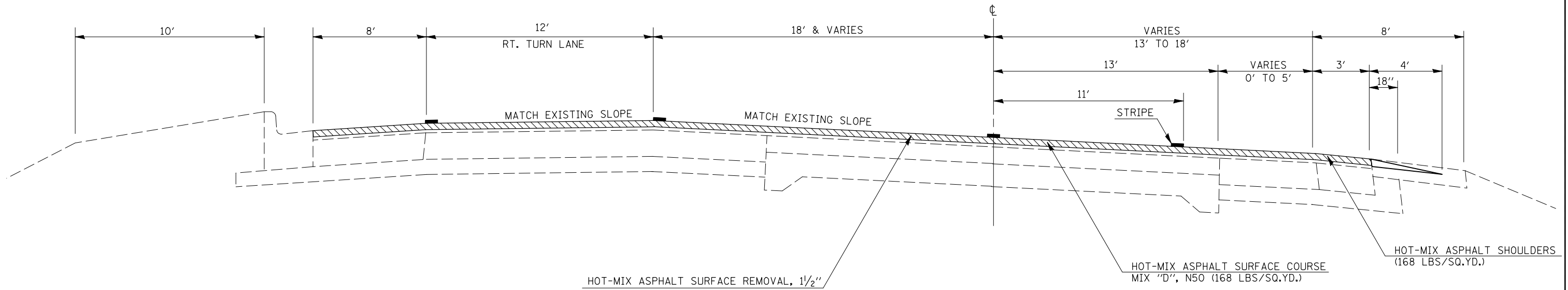
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	14
CONTRACT NO. 70539				

ILLINOIS FED. AID PROJECT

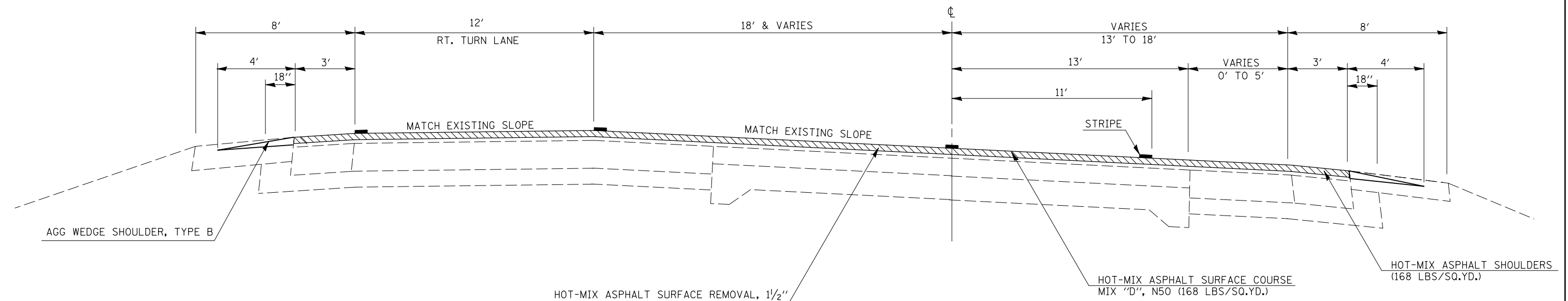
# PROPOSED TYPICAL CROSS SECTION 9

U.S. 150  
STATION 311+21.83 TO STATION 312+47.00



# PROPOSED TYPICAL CROSS SECTION 10

U.S. 150  
STATION 312+47.00 TO STATION 314+77.00



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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	15
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

**HMA MAINLINE QUANTITIES**

STATION	TO	STATION	LENGTH	WIDTH	DEPTH	44000155 HMA SURF REM 1 1/2" SQ YDS	40603310 HMA SC MIX "C" N50 TON	40603335 HMA SC MIX "D" N50 TON	40600100 BIT MATLS PR CT GALLON	40600300 AGG PR CT TON
107+20	TO	115+16	796	24	1.5	2,123	178.3		212	4.2
115+16	TO	117+41	225	24	1.5	600	50.4		60	1.2
117+41	TO	123+15	574	24	1.5	1,531	128.6		153	3.1
123+15	TO	125+40	225	24	1.5	600	50.4		60	1.2
125+40	TO	131+63	623	24	1.5	1,661	139.6		166	3.3
131+63	TO	133+88	225	24	1.5	600	50.4		60	1.2
133+88	TO	142+63	875	24	1.5	2,333	196.0		233	4.7

**OMISSION FOR SN 057-0224**

143+85	TO	149+00	515	24	1.5	1,373	115.4		137	2.7
149+00	TO	245+60	9,660	24	1.5	25,760	2163.8		2,576	51.5
245+60	TO	253+68	808	27	1.5	2,424	203.6		242	4.8
253+68	TO	255+93	225	30	1.5	750	63.0		75	1.5
255+93	TO	264+30	837	30	1.5	2,790	234.4		279	5.6
264+30	TO	264+50	20	30	1.5	67	5.6		7	0.1
264+50	TO	266+55	205	27	1.5	615	51.7		62	1.2
266+55	TO	288+56	2,201	24	1.5	5,869	493.0		587	11.7
288+56	TO	290+81	225	24	1.5	600	50.4		60	1.2
290+81	TO	299+41	860	24	1.5	2,293	192.6		229	4.6
299+41	TO	301+66	225	24	1.5	600	50.4		60	1.2
301+66	TO	303+87	221	24	1.5	589	49.5		59	1.2
303+87	TO	306+87	300	30	1.5	1,000	84.0		100	2.0
306+87	TO	310+27	340	36	1.5	1,360		114.2	136	2.7
310+27	TO	316+61	634	30	1.5	2,113		177.5	211	4.2

**RT. TURN LANES**

311+22	TO	312+47	125	12	1.5	167		14.0	17	0.3
312+47	TO	314+77	230	6.5	1.5	166		14.0	17	0.3
316+61	TO	318+99	238	24	1.5	635		53.3	63	1.3
318+99	TO	321+14	215	24	1.5	573		48.2	57	1.1
321+14	TO	327+00	586	24	1.5	1,563		131.3	156	3.1
327+00	TO	341+61	1,461	36	1.5	5,844		490.9	584	11.7
341+61	TO	343+76	215	36	1.5	860		72.2	86	1.7
343+76	TO	348+23	447	36	1.5	1,788		150.2	179	3.6
348+23	TO	350+38	215	36	1.5	860		72.2	86	1.7
350+38	TO	361+25	1,087	36	1.5	4,348		365.2	435	8.7
361+25	TO	370+19	894	36	1.5	3,576		300.4	358	7.2
370+19	TO	376+00	581	30	1.5	1,937		162.7	194	3.9
376+00	TO	377+56	156	24	1.5	416		34.9	42	0.8
377+56	TO	380+56	300	30	1.5	1,000		84.0	100	2.0
380+56	TO	388+59	803	36	1.5	3,212		269.8	321	6.4
388+59	TO	391+59	300	30	1.5	1,000		84.0	100	2.0
391+59	TO	408+63	1,704	24	1.5	4,544		381.7	454	9.1

**COUNTY HIGHWAY 29**

12+58	TO	16+58	400	30	1.5	1,333		112.0	133	2.7
16+58	TO	19+82	324	46	1.5	1,656		139.1	166	3.3
20+18	TO	23+91	373	60	1.5	2,487		208.9	249	5.0

TOTALS 95616.8 4551.0 3480.8 9561.7 191.2

USE= 95617.0 4551.0 3481.0 9562.0 192

**HMA SHOULDER QUANTITIES**

STATION	TO	STATION	LENGTH	WIDTH	DEPTH	44000155 HMA SURF REM 1 1/2" SQ YDS	48203100 HMA SHOULDERS TONS	40600100 BIT MATLS PR CT GALLON	40600300 AGG PR CT TON	
107+20	TO	115+16	796.00	6	1.5	530.67	44.6	53.07	1.1	LT. S.E. FULL
115+16	TO	117+41	225.00	6	1.5	150.00	12.6	15.00	0.3	S.E. TRANS
117+41	TO	123+15	574.00	6	1.5	382.67	32.1	38.27	0.8	
123+15	TO	125+40	225.00	6	1.5	150.00	12.6	15.00	0.3	S.E. TRANS
125+40	TO	131+63	623.00	6	1.5	415.33	34.9	41.53	0.8	RT. S.E. FULL
131+63	TO	133+88	225.00	6	1.5	150.00	12.6	15.00	0.3	S.E. TRANS
133+88	TO	142+63	875.00	6	1.5	583.33	49.0	58.33	1.2	

**OMISSION FOR BRIDGE**

143+85	TO	149+00	515.00	6	1.5	343.33	28.8	34.33	0.7	
149+00	TO	245+60	9660.00	6	1.5	6440.00	541.0	644.00	12.9	
245+60	TO	253+68	808.00	9	1.5	808.00	67.9	80.80	1.6	
253+68	TO	255+93	225.00	12	1.5	300.00	25.2	30.00	0.6	S.E. TRANS
255+93	TO	264+30	837.00	12	1.5	1116.00	93.7	111.60	2.2	RT. S.E. FULL
264+30	TO	264+50	20.00	12	1.5	26.67	2.2	2.67	0.1	S.E. TRANS
264+50	TO	264+55	5.00	6	1.5	3.33	0.3	0.33	0.0	S.E. TRANS
264+55	TO	288+56	2401.00	6	1.5	1600.67	134.5	160.07	3.2	
288+56	TO	290+81	225.00	6	1.5	150.00	12.6	15.00	0.3	S.E. TRANS
290+81	TO	299+41	860.00	6	1.5	573.33	48.2	57.33	1.1	LT. S.E. FULL
299+41	TO	301+66	225.00	6	1.5	150.00	12.6	15.00	0.3	S.E. TRANS
301+66	TO	303+87	221.00	6	1.5	147.33	12.4	14.73	0.3	
303+87	TO	308+21	434.00	6	1.5	289.33	24.3	28.93	0.6	
308+21	TO	310+36	215.00	6	1.5	143.33	12.0	14.33	0.3	
310+36	TO	316+61	625.00	6	1.5	416.67	35.0	41.67	0.8	

**RT. TURN LANES**

311+22	TO	312+47	125.00	6	1.50	83.33	7.0	8.33	0.2	
312+47	TO	314+77	230.00	6	1.50	153.33	12.9	15.33	0.3	
							0.00			
316+61	TO	318+99	238.00	6	1.5	158.67	13.3	15.87	0.3	RT. S.E. FULL
318+99	TO	321+14	215.00	6	1.5	143.33	12.0	14.33	0.3	S.E. TRANS
321+14	TO	327+00	586.00	6	1.5	390.67	32.8	39.07	0.8	
327+00	TO	341+61	1461.00	12	1.5	1948.00	163.6	194.80	3.9	
341+61	TO	343+76	215.00	12	1.5	286.67	24.1	28.67	0.6	S.E. TRANS
343+76	TO	348+23	447.00	12	1.5	596.00	50.1	59.60	1.2	RT. S.E. FULL
348+23	TO	350+38	215.00	12	1.5	286.67	24.1	28.67	0.6	S.E. TRANS
350+38	TO	361+25	1087.00	12	1.5	1449.33	121.7	144.93	2.9	
361+25	TO	370+19	894.00	12	1.5	1192.00	100.1	119.20	2.4	S.E. TRANS
370+19	TO	376+00	581.00	12	1.5	774.67	65.1	77.47	1.5	
376+00	TO	377+56	156.00	6	1.5	104.00	8.7	10.40	0.2	
377+56	TO	380+56	300.00	6	1.5	200.00	16.8	20.00	0.4	
380+56	TO	383+51	295.00	3	1.5	98.33	8.3	9.83	0.2	LEFT SHLDR.
383+51	TO	384+14	63.00	5	1.5	35.00	2.9	3.50	0.1	LEFT SHLDR.
380+56	TO	384+41	385.00	3	1.5	128.33	10.8	12.83	0.3	RIGHT SHLDR.
384+41	TO	384+89	48.00	5	1.5	26.67	2.2	2.67	0.1	RIGHT SHLDR.
385+33	TO	385+80	47.00	5	1.5	26.11	2.2	2.61	0.1	LEFT SHLDR.
385+80	TO	391+59	579.00	3	1.5	193.00	16.2	19.30	0.4	LEFT SHLDR.
386+02	TO	386+64	62.00	5	1.5	34.44	2.9	3.44	0.1	RIGHT SHLDR.
386+64	TO	391+59	495.00	3	1.5	165.00	13.9	16.50	0.3	RIGHT SHLDR.
391+59	TO	408+63	1704.00	6	1.5	1136.00	95.4	113.60	2.3	

**COUNTY HIGHWAY 29**

12+58 TO 18+28 570.00 6 1.5 380.00 31.9 38.00 0.8

TOTALS 24859.6 2088.2 2486.0 49.7

USE= 24860.0 2089.0 2486.0 50.0



40600990 TEMPORARY RAMPS

MAILBOX TURNOUTS

SIDEROADS / ENTRANCES

STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YDS)
107+20	MAINLINE	5	24	13.3
142+63	MAINLINE	5	24	13.3
143+85	MAINLINE	5	24	13.3
408+63	MAINLINE	5	24	13.3
12+58	CH 29	RT 5	24	13.3
23+91	CH 29	LT 5	60	33.3
203+86	CH 30 / 1750 E	RT 5	24	13.3
237+10	TR 304 / 1800 E	LT 5	24	13.3
340+30	MALLINGHAM WAY	LT 5	24	13.3
357+98	NEW GATE ST.	LT 5	24	13.3
370+91	TR 429 / 1975 E	RT 5	24	13.3
385+05	TR 328 / 2000 E	LT 5	24	13.3
385+15	TR 328 / 2000 E	RT 5	24	13.3
397+75	CEDAR AVENUE	RT 5	24	13.3
TOTAL=				206.7
USE=				207.0

STATION	40600982 HMA SURF REM BUTT JOINT SQ YD	40800010 BIT MAT'L PRIME COAT GALLONS	40800030 AGGREGATE PRIME COAT TON	40800050 INCIDENTAL HMA SURF TON
132+12 RT	7.9	0.40	0.02	0.66
148+03 RT	7.9	0.40	0.02	0.66
149+66 RT	14.4	0.72	0.03	1.21
150+79 RT	14.4	0.72	0.03	1.21
152+12 RT	6.1	0.31	0.01	0.51
157+16 RT	14.4	0.72	0.03	1.21
169+70 RT	6.1	0.31	0.01	0.51
210+98 RT	14.4	0.72	0.03	1.21
214+70 RT	6.1	0.31	0.01	0.51
237+05 RT	8.1	0.41	0.02	0.68
276+78 RT	7.2	0.36	0.01	0.60
278+88 RT	14.4	0.72	0.03	1.21
290+24 RT	14.4	0.72	0.03	1.21
294+83 RT	14.4	0.72	0.03	1.21
314+60 RT	6.1	0.31	0.01	0.51
316+00 RT	14.4	0.72	0.03	1.21
399+35 RT	14.4	0.72	0.03	1.21
401+22 RT	14.4	0.72	0.03	1.21
TOTALS=				
	185.1	9.3	0.4	15.5

STATION	TYPE	WIDTH	LENGTH	DEPTH INCHES	40600982 HMA SURF REM BUTT JOINT SQ YD	40800010 BIT MAT'L PRIME COAT GALLON	40800030 AGGREGATE PRIME COAT TON	40800050 INCIDENTAL HMA SURF TON
131+90	P.E.	RT 12	10	1.5	13	0.67	0.03	1.12
147+83	P.E.	RT 20	10	1.5	22	1.11	0.04	1.87
148+66	P.E.	LT 16	10	1.5	18	0.89	0.04	1.49
149+60	P.E.	LT 13	10	1.5	14	0.72	0.03	1.21
150+50	P.E.	LT 12	10	1.5	13	0.67	0.03	1.12
150+82	P.E.	LT 15	10	1.5	17	0.83	0.03	1.40
151+93	P.E.	RT 15	10	1.5	17	0.83	0.03	1.40
157+37	P.E.	LT 15	10	1.5	17	0.83	0.03	1.40
169+42	P.E.	RT 12	10	1.5	13	0.67	0.03	1.12
203+86	1750 E	RT 59	60	1.5	393	19.67	0.79	33.04
211+08	P.E.	LT 16	10	1.5	18	0.89	0.04	1.49
214+48	P.E.	RT 15	10	1.5	17	0.83	0.03	1.40
237+10	1800 E	LT 45	30	1.5	150	7.50	0.30	12.60
237+38	P.E.	RT 15	10	1.5	17	0.83	0.03	1.40
245+34	P.E.	LT 15	10	1.5	17	0.83	0.03	1.40
256+83	P.E.	LT 15	10	1.5	17	0.83	0.03	1.40
277+17	P.E.	RT 24	10	1.5	27	1.33	0.05	2.24
279+57	P.E.	LT 12	10	1.5	13	0.67	0.03	1.12
290+23	P.E.	LT 12	10	1.5	13	0.67	0.03	1.12
295+16	P.E.	LT 12	10	1.5	13	0.67	0.03	1.12
314+48	P.E.	RT 12	10	1.5	13	0.67	0.03	1.12
326+67	P.E.	LT 28	10	1.5	31	1.56	0.06	2.61
340+30	MALLINGHAM WAY	LT 67.5	20	1.5	150	7.50	0.30	12.60
357+98	NEW GATE ST	LT 62.5	60	1.5	417	20.83	0.83	35.00
370+91	1975 E	RT 47	150	1.5	783	39.17	1.57	65.80
396+00	P.E.	LT 26	10	1.5	29	1.44	0.06	2.43
397+75	CEDAR AVENUE	RT 32	30	1.5	107	5.33	0.21	8.96
397+85	P.E.	LT 24	10	1.5	27	1.33	0.05	2.24
399+40	C.E.	LT 30	10	1.5	33	1.67	0.07	2.80
399+84	P.E.	RT 24	10	1.5	27	1.33	0.05	2.24
401+55	P.E.	LT 17	10	1.5	19	0.94	0.04	1.59
406+01	C.E.	LT 54	10	1.5	60	3.00	0.12	5.04
405+92	P.E.	RT 24	10	1.5	27	1.33	0.05	2.24

I.R. 328 / 2000 E

385+05	NORTHLEG	LT 54	205	1.5	1230	61.50	2.46	103.32
385+15	SOUTHLEG	RT 53	115	1.5	677	33.86	1.35	56.89
TOTALS=					4468.3	223.4	8.9	375.3

GRAND TOTAL FOR SIDEROADS & MAILBOX TURNOUTS = 4653.4 232.7 9.3 390.9

USE= 4654.0 233.0 10.0 392.0

SCHEDULE OF CLASS D PATCHING

48102100 AGGREGATE WEDGE SHOULDERS, TYPE B

78000200 THERMOPLASTIC PAVEMENT MARKING LINE-4" (YELLOW)

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	TYPE II (SQ.YD)
115+45	WB	4	15	9	6.7
127+02	EB	4	15	9	6.7
148+76	EB	4	15	9	6.7
148+76	WB	4	15	9	6.7
150+97	EB	4	15	9	6.7
150+97	WB	4	15	9	6.7
152+59	EB	6	15	9	10.0
154+86	EB	6	15	9	10.0
154+86	WB	6	15	9	10.0
156+00	EB	4	15	9	6.7
165+34	EB	4	15	9	6.7
165+34	WB	4	15	9	6.7
167+93	EB	4	15	9	6.7
176+12	EB	4	15	9	6.7
176+12	WB	4	15	9	6.7
179+24	EB	4	15	9	6.7
185+55	EB	4	15	9	6.7
185+55	WB	4	15	9	6.7
188+40	EB	4	15	9	6.7
188+40	WB	4	15	9	6.7
197+60	EB	6	15	9	10.0
197+60	WB	6	15	9	10.0
209+60	EB	4	15	9	6.7
210+73	EB	4	15	9	6.7
210+73	WB	4	15	9	6.7
232+60	EB	4	15	9	6.7
232+60	WB	4	15	9	6.7
233+35	EB	4	15	9	6.7
233+35	WB	4	15	9	6.7
237+92	EB	4	15	9	6.7
240+62	EB	6	15	9	10.0
240+62	WB	6	15	9	10.0
274+30	EB	4	15	9	6.7
274+30	WB	4	15	9	6.7
299+85	EB	6	15	9	10.0
299+85	WB	6	15	9	10.0
318+64	EB	6	15	9	10.0
318+64	WB	6	15	9	10.0
320+77	EB	6	15	9	10.0
320+77	WB	6	15	9	10.0
321+87	EB	6	15	9	10.0
321+87	WB	6	15	9	10.0
324+77	EB	4	15	9	6.7
326+77	EB	4	15	9	6.7
399+37	WB	6	15	9	10.0
TOTAL=					353.3
USE=					354.0

STATION	TO	STATION	TYPE II	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	(TONS)
107+20		141+45	LT	3,425	4	1.5	57
107+20		141+20	RT	3,400	4	1.5	57
145+25		308+20	LT	16,295	4	1.5	272
145+15		245+60	RT	10,045	4	1.5	167
264+50		309+11	RT	4,461	4	1.5	74
312+27		327+00	RT	1,473	4	1.5	25
312+47		327+00	LT	1,453	4	1.5	24
376+00		408+63	LT	3,263	4	1.5	54
376+00		392+60	RT	1,660	4	1.5	28
398+08		408+63	RT	1,055	4	1.5	18
TOTAL=							775.5
USE=							776.0

STATION	TO	STATION	FOOT	
(4 LINES)	303+87.00	308+67.00	1920.0	
(DOUBLE LINES)	308+67.00	309+67.00	200.0	
(DOUBLE LINES)	310+81.00	311+81.00	200.0	
(4 LINES)	311+81.00	316+61.00	1920.0	
(4 LINES)	333+11.00	338+91.00	2320.0	
(DOUBLE LINES)	338+91.00	339+91.00	200.0	
(4 LINES)	340+31.00	343+74.00	1372.0	
(4 LINES)	377+56.00	382+32.00	1904.0	
(DOUBLE LINES)	382+32.00	384+52.00	440.0	
(DOUBLE LINES)	385+65.00	386+80.00	230.0	
(4 LINES)	386+80.00	391+59.00	1916.0	
(4 LINES)	12+58.00	18+38.00	2320.0	CH 29
(DOUBLE LINES)	18+38.00	19+38.00	200.0	CH 29
(DOUBLE LINES)	20+61.00	22+11.00	300.0	CH 29
(4 LINES)	22+11.00	23+91.00	720.0	CH 29
			0.0	
(DOUBLE LINES)	8+50.00	9+56.00	212.0	TR 395
TOTAL =			16374.0	
USE =			16374.0	

70300100 SHORT TERM PAVEMENT MARKINGS

STATION	TO	STATION	CL	LENGTH	YELLOW (FT)	WHITE (FT)
107+20		408+63	CL	30143	3014	
308+67		309+67	LT TURN	100		10
310+71		311+81	LT TURN	110		11
310+71		312+47	RT TURN	176		18
309+67			ST. BAR			28
310+71			ST. BAR			40
382+10		384+52	LT TURN	220		22
385+65		386+80	LT TURN	115		12
CH 29 / TOWANDA-BARNES RD.						
12+58		19+38	CL	680	68	
18+38		19+38	LT TURN	100		10
19+38			ST. BAR			24
			RT TURN			18
20+51		23+91	CL	340	34	
20+51		22+11	LT TURN	160		16
20+51		22+11	RT TURN	160		16
20+51			ST. BAR			24
			RT TURN			18
TR 328 / 2000 E NORTHLEG			ST. BAR			24
TR 328 / 2000 E SOUTHLEG			ST. BAR			24
MILLED SURFACE=					3116	315
HMA SURFACE=					3116	315
TOTALS=					6232	630
USE=					6862	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL -- 6862 FOOT \* 0.3333 = 2288 SQ.FT.



78001110 PAINT PAVEMENT MARKING - LINE 4" (YELLOW)

STATION	TO	STATION	TYPE	FOOT
107+20.00		110+65.00	LT NO PASSING	345.00
111+29.00		131+44.00	RT NO PASSING	2015.00
122+38.00		141+69.00	LT NO PASSING	1931.00
146+50.00		154+75.00	RT NO PASSING	825.00
157+64.00		163+06.00	LT NO PASSING	542.00
163+27.00		172+41.00	RT NO PASSING	914.00
174+02.00		184+14.00	LT NO PASSING	1012.00
324+23.00		328+11.00	RT NO PASSING	388.00
343+74.00		371+18.00	RT NO PASSING	2744.00
348+74.00		377+56.00	LT NO PASSING	2882.00
377+25.00		377+56.00	RT NO PASSING	31.00
384+20.00		390+96.00	LT NO PASSING	676.00
107+20.00		142+63.00	SKIP-DASH	885.75
143+85.00		303+87.00	SKIP-DASH	4000.50
316+61.00		333+11.00	SKIP-DASH	412.50
343+74.00		377+56.00	SKIP-DASH	845.50
391+59.00		408+63.25	SKIP-DASH	426.06
TOTAL=				20875.31
USE=				20876.0

STATION	TYPE	X0301232	XZ193300
		SURVEY MARKER VAULT	SURVEY MARKER, TYPE 1(SPECIAL)
115+90.55	PT	1.0	1.0
124+65.00	PC	1.0	1.0
132+37.98	PT	1.0	1.0
148+55.35	PC	1.0	1.0
158+03.68	PT	1.0	1.0
173+69.82	POT	1.0	1.0
183+99.13	POT	1.0	1.0
203+87.00	POT	1.0	1.0
223+87.82	PI	1.0	1.0
240+82.21	PC	1.0	1.0
245+78.08	PT	1.0	1.0
255+17.60	PC	1.0	1.0
265+04.70	PT	1.0	1.0
276+59.32	POT	1.0	1.0
290+05.83	PC	1.0	1.0
300+15.50	PT	1.0	1.0
309+64.72	PC	1.0	1.0
319+70.42	PT	1.0	1.0
331+50.68	POT	1.0	1.0
341+17.53	POT	1.0	1.0
343+04.77	PC	1.0	1.0
348+95.14	PT	1.0	1.0
362+68.00	PC	1.0	1.0
372+60.38	PT	1.0	1.0
380+47.83	PC	1.0	1.0
390+64.83	PT	1.0	1.0
400+73.12	PC	1.0	1.0
TOTAL		27.0	27.0
USE=		27.0	27.0

78001110 PAINT PAVEMENT MARKING - LINE 4" (WHITE)

STATION	TO	STATION	TYPE	FOOT
107+20.00		142+63.00	EDGE LINE	7086.00
143+85.00		303+87.00	EDGE LINE	32004.00
316+61.00		333+11.00	EDGE LINE	3300.00
343+74.00		377+56.00	EDGE LINE	6764.00
391+59.00		408+63.25	EDGE LINE	3408.50
TOTAL =				52562.5
USE =				52563.0

78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	TO	STATION	LENGTH	AMBER EACH	CRYSTAL EACH
107+20		303+87	CL	19667	246
303+87		308+67	MEDIAN	480	24
308+67		309+67	LT TURN	100	3
310+81		311+81	LT TURN	100	3
310+71		312+47	RT TURN	176	4
311+81		316+61	MEDIAN	480	24
316+61		333+00	CL	1639	20
333+00		338+91	MEDIAN	591	30
338+91		339+91	LT TURN	100	5
340+55		343+74	MEDIAN	319	16
343+74		377+56	CL	3382	42
377+56		382+32	MEDIAN	476	24
382+32		384+52	LT TURN	220	6
385+65		386+80	LT TURN	115	3
386+80		391+59	MEDIAN	479	24
391+59		408+63	CL	1704	21
TOTALS=				490	25
USE=				515	

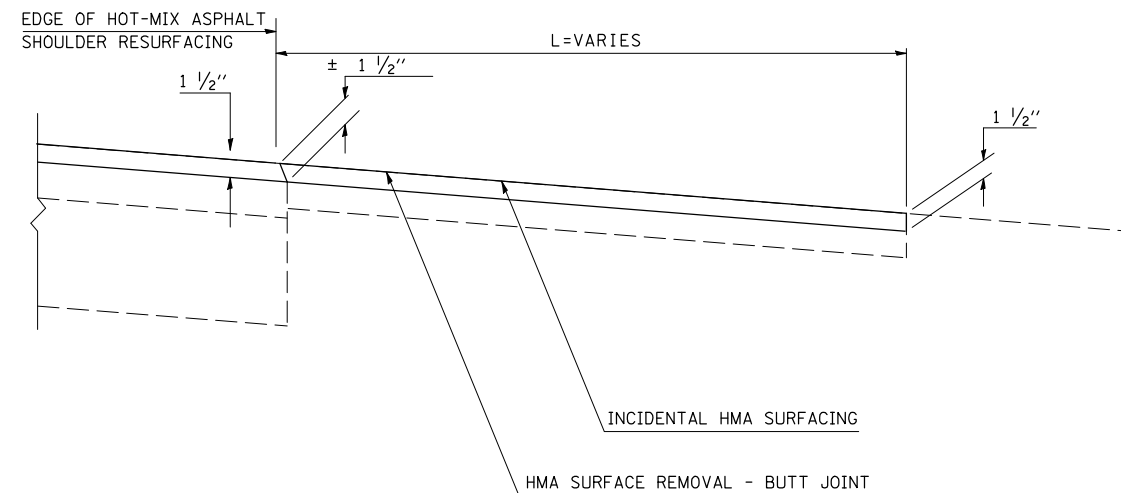
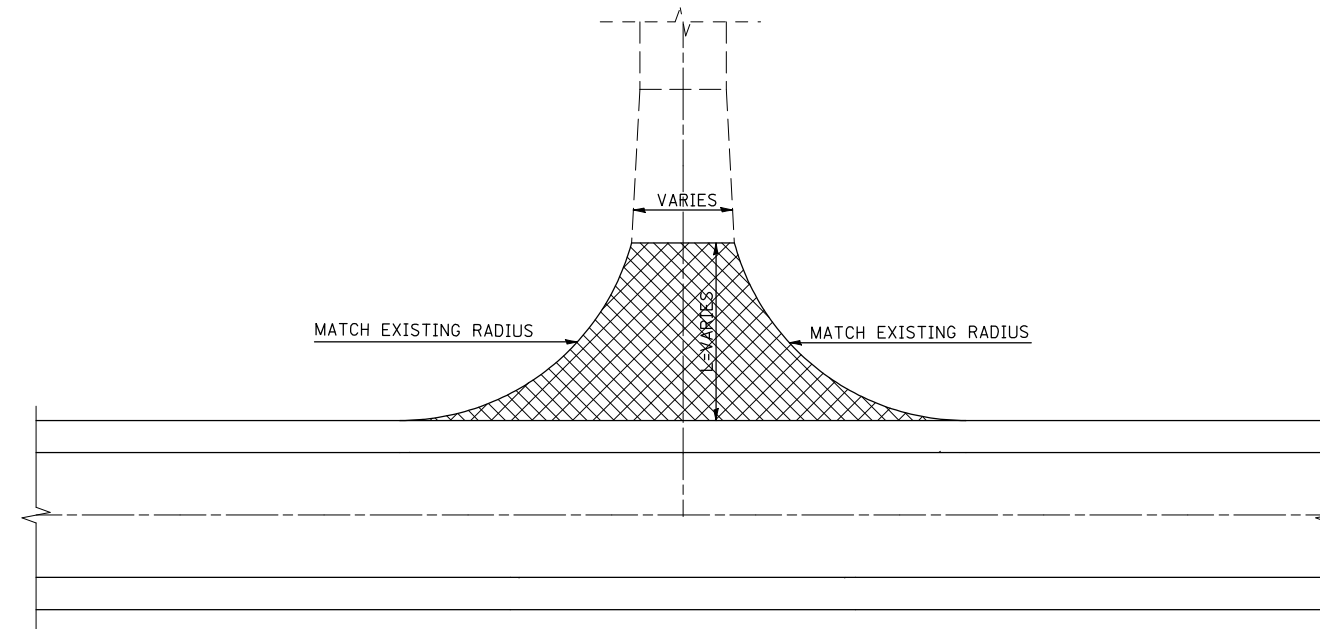
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	20
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

## TYPICAL DETAIL OF ENTRANCES AND SIDEROADS



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

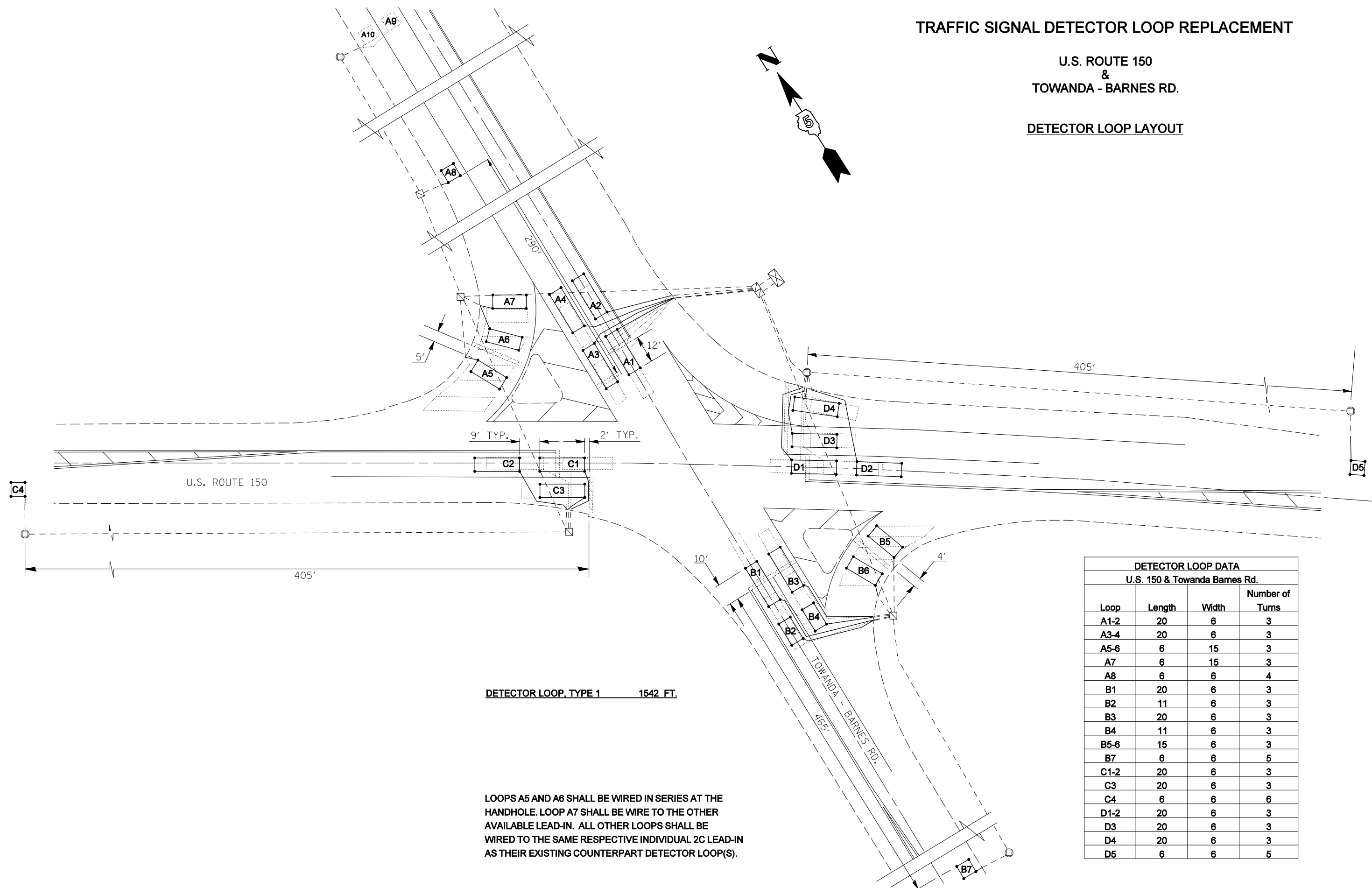
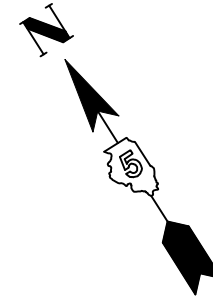
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SCALE: N/A	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	21
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT

U.S. ROUTE 150  
&  
TOWANDA - BARNES RD.

## DETECTOR LOOP LAYOUT



DETECTOR LOOP, TYPE 1 1542 FT.

LOOPS A5 AND A6 SHALL BE WIRED IN SERIES AT THE HANDHOLE. LOOP A7 SHALL BE WIRE TO THE OTHER AVAILABLE LEAD-IN. ALL OTHER LOOPS SHALL BE WIRED TO THE SAME RESPECTIVE INDIVIDUAL 2C LEAD-IN AS THEIR EXISTING COUNTERPART DETECTOR LOOP(S).

DETECTOR LOOP DATA			
U.S. 150 & Towanda Barnes Rd.			
Loop	Length	Width	Number of Turns
A1-2	20	6	3
A3-4	20	6	3
A5-6	6	15	3
A7	6	15	3
A8	6	6	4
B1	20	6	3
B2	11	6	3
B3	20	6	3
B4	11	6	3
B5-6	15	6	3
B7	6	6	5
C1-2	20	6	3
C3	20	6	3
C4	6	6	6
D1-2	20	6	3
D3	20	6	3
D4	20	6	3
D5	6	6	5

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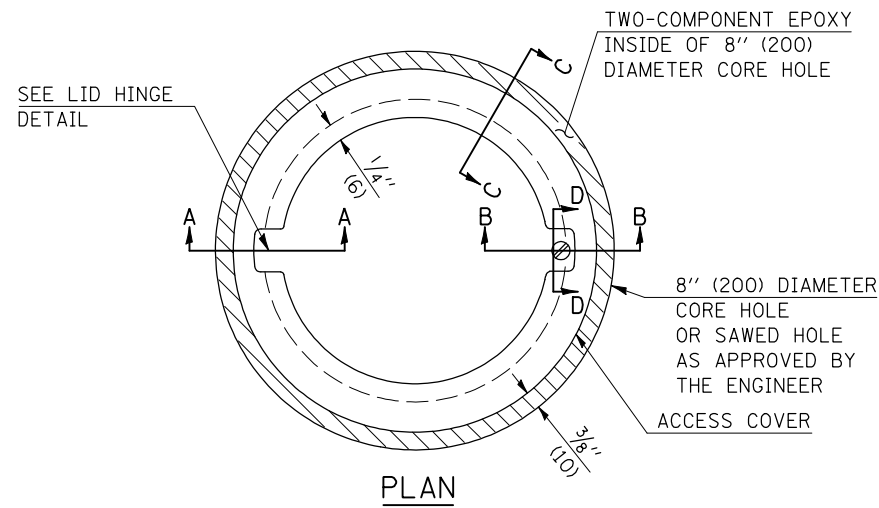
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP DETAIL

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

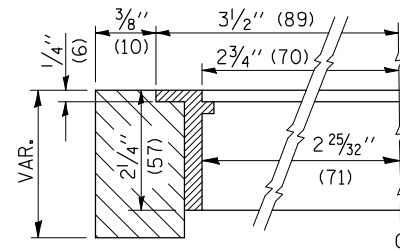
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1BS-3	MCLEAN	33	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 10539	

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



**LEGEND**

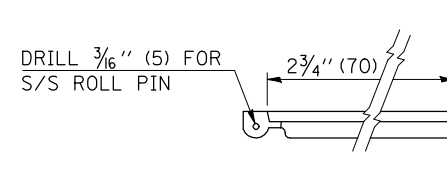
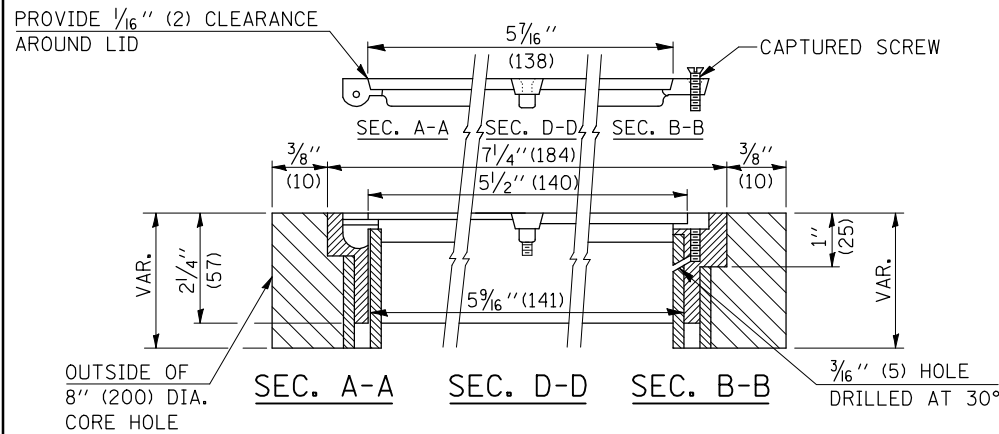
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



**SECTION C-C**

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-60IES. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



**LID HINGE DETAIL**

**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

**GENERAL NOTES**

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. 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.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
7. 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.

**DISTRICT 5 DETAIL NO. X0301232**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

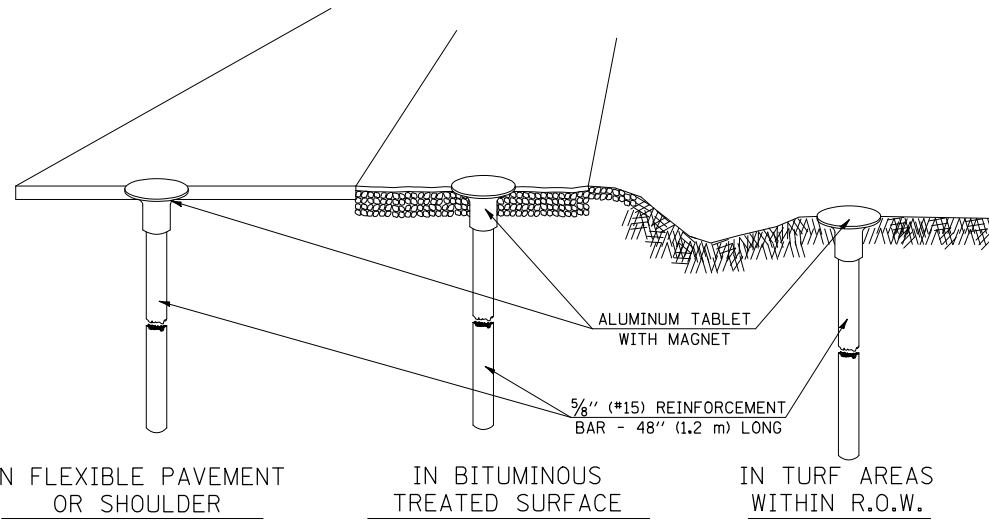
**SURVEY MARKER VAULT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1RS-3	MCLEAN	33	23
CONTRACT NO. 70124				
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.

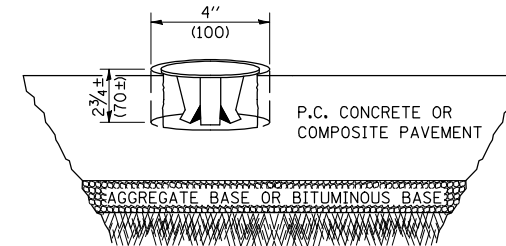
### SPECIFICATIONS FOR REBAR

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)

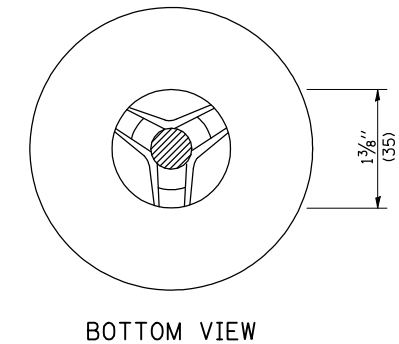
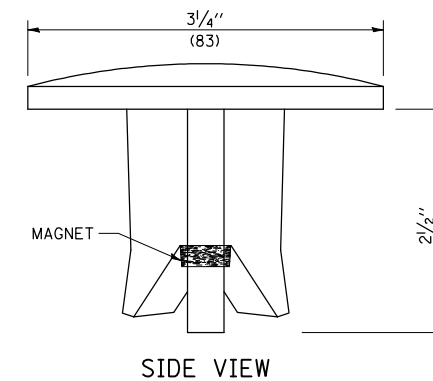
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



### 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

- WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
- 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.
- 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.
- THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 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.
- ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

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

### DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME =	USER NAME = bowerm1	DESIGNED -	REVISED - 11/06
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

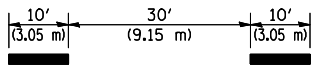
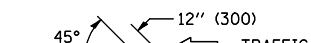


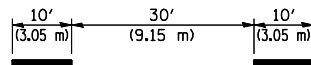
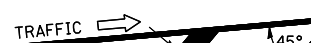



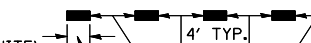
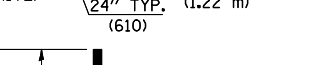
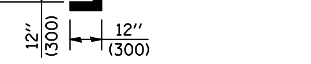
SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

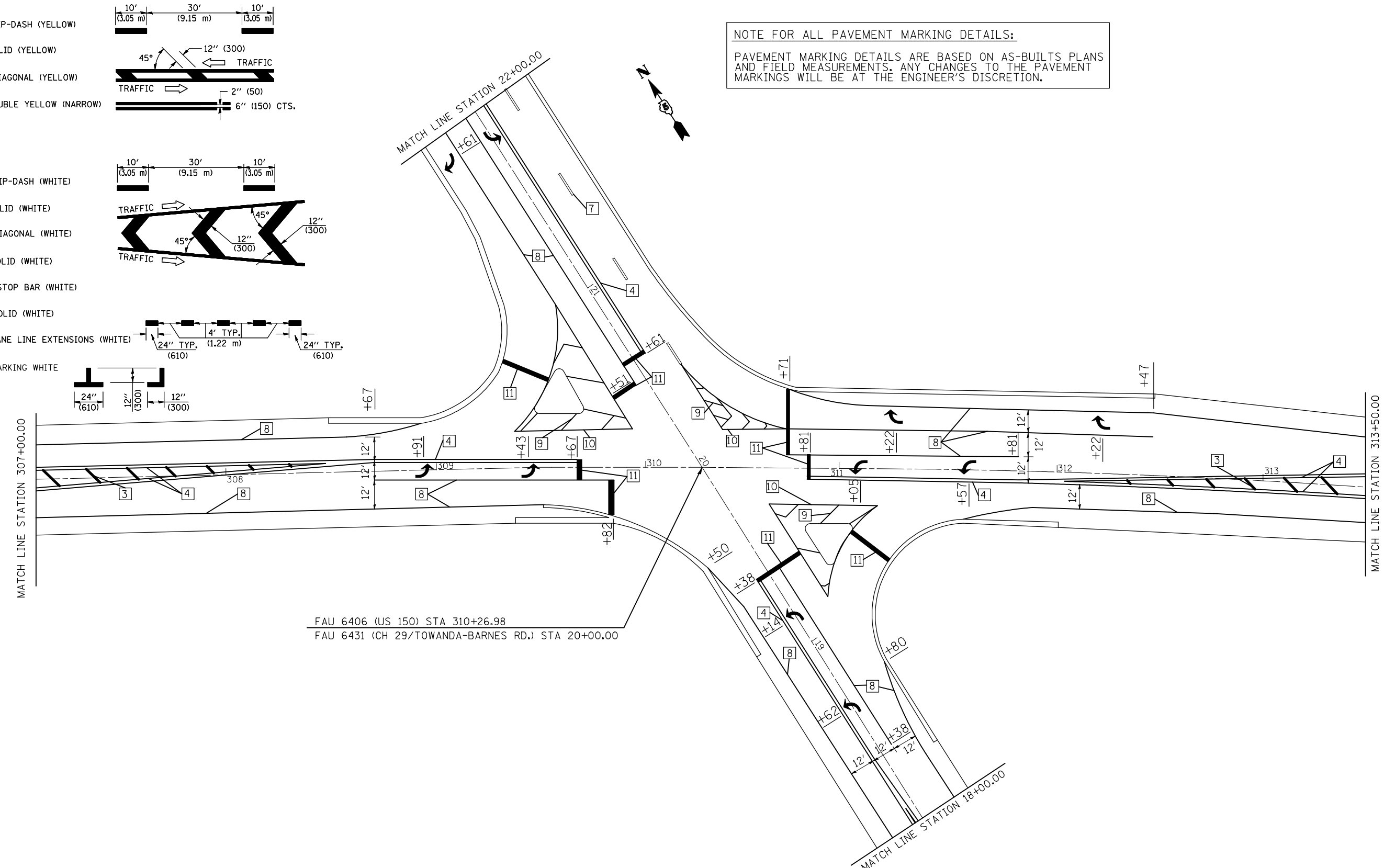
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1RS-3	MCLEAN	33	24
CONTRACT NO. 70124				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**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 

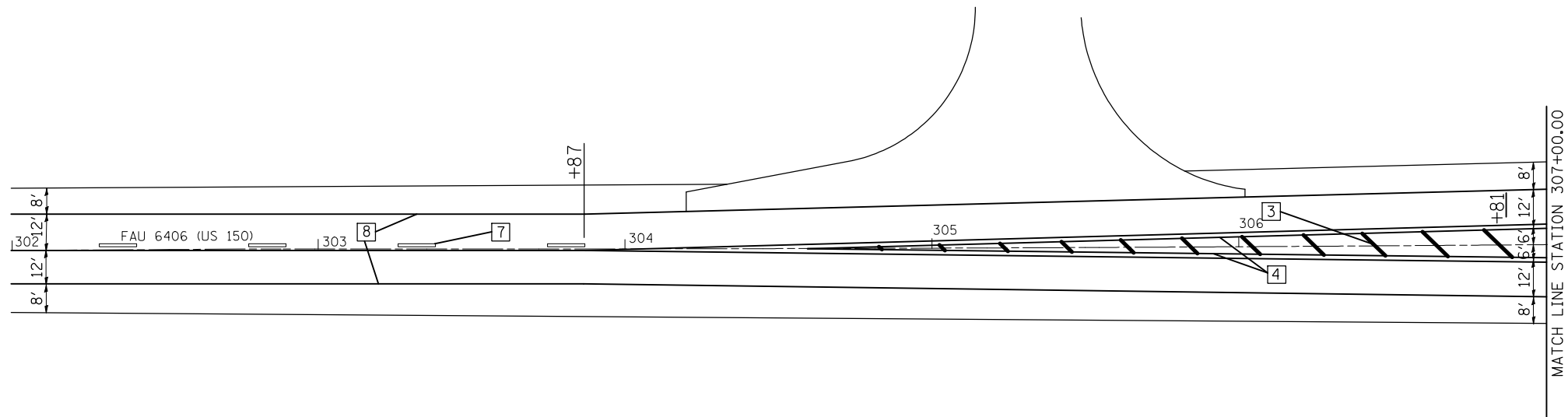
**NOTE FOR ALL PAVEMENT MARKING DETAILS:**  
 PAVEMENT MARKING DETAILS ARE BASED ON AS-BUILTS PLANS AND FIELD MEASUREMENTS. ANY CHANGES TO THE PAVEMENT MARKINGS WILL BE AT THE ENGINEER'S DISCRETION.



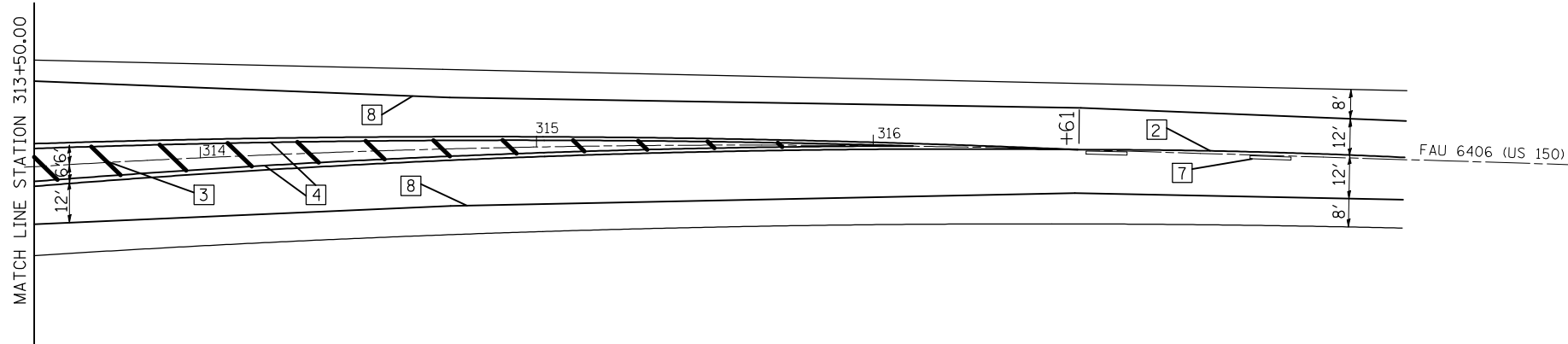
FAU 6406 (US 150) STA 310+26.98  
 FAU 6431 (CH 29/TOWANDA-BARNES RD.) STA 20+00.00

NOT TO SCALE

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70539				ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/29/2010		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



WEST LEG EXTENSION OF US 150



EAST LEG EXTENSION OF US 150

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

NOT TO SCALE

FILE NAME =	USER NAME = bowerm1	DESIGNED -	REVISED -
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PLOT DATE = 1/29/2010		DATE -	REVISED -

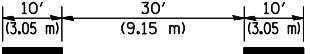
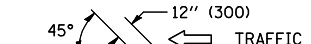


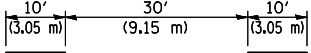




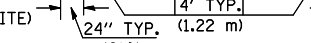

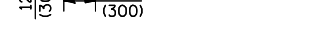
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

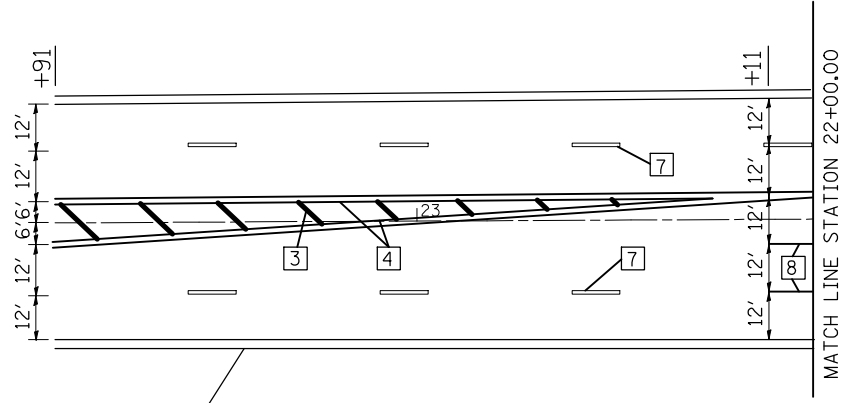
PAVEMENT MARKING DETAILS

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

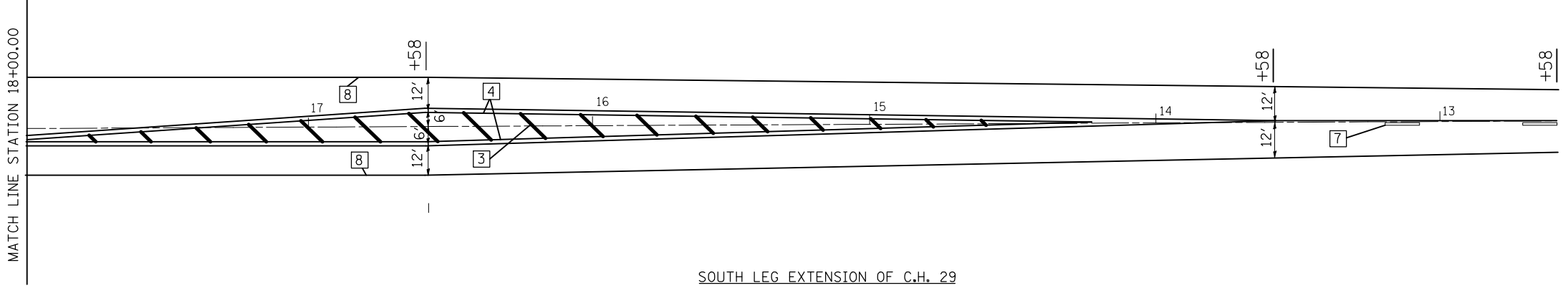
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	1RS-3	MCLEAN	33	26
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

**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 



NORTH LEG EXTENSION OF C.H. 29/TOWANDA-BARNES ROAD



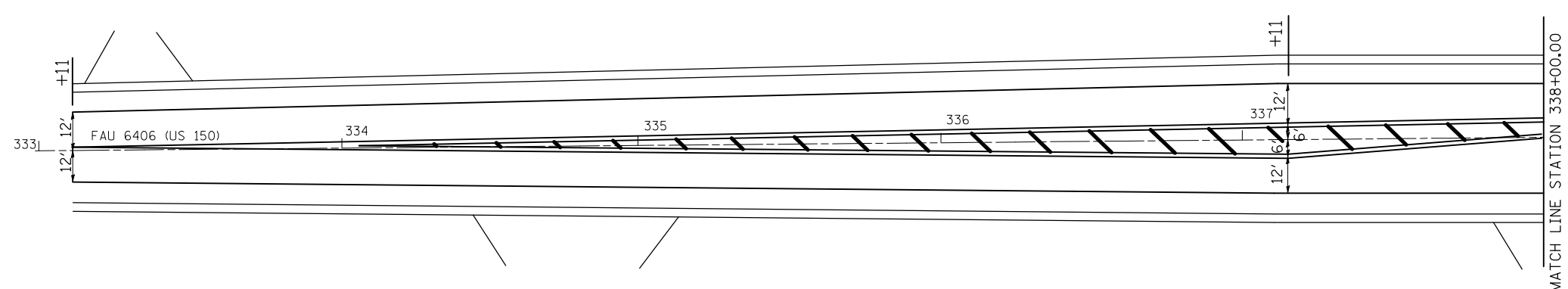
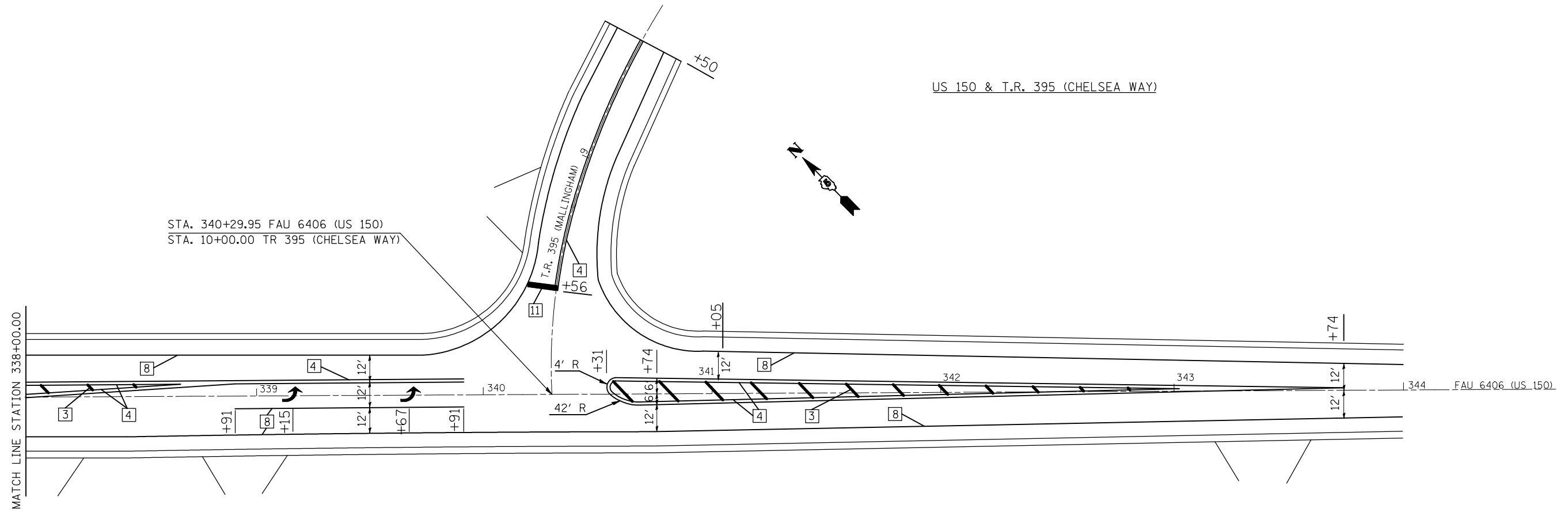
SOUTH LEG EXTENSION OF C.H. 29

NOT TO SCALE

FILE NAME =	USER NAME = bowerm1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/29/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

US 150 & T.R. 395 (CHELSEA WAY)

STA. 340+29.95 FAU 6406 (US 150)  
 STA. 10+00.00 TR 395 (CHELSEA 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)
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- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

NOT TO SCALE

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PLOT DATE = 1/29/2010		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

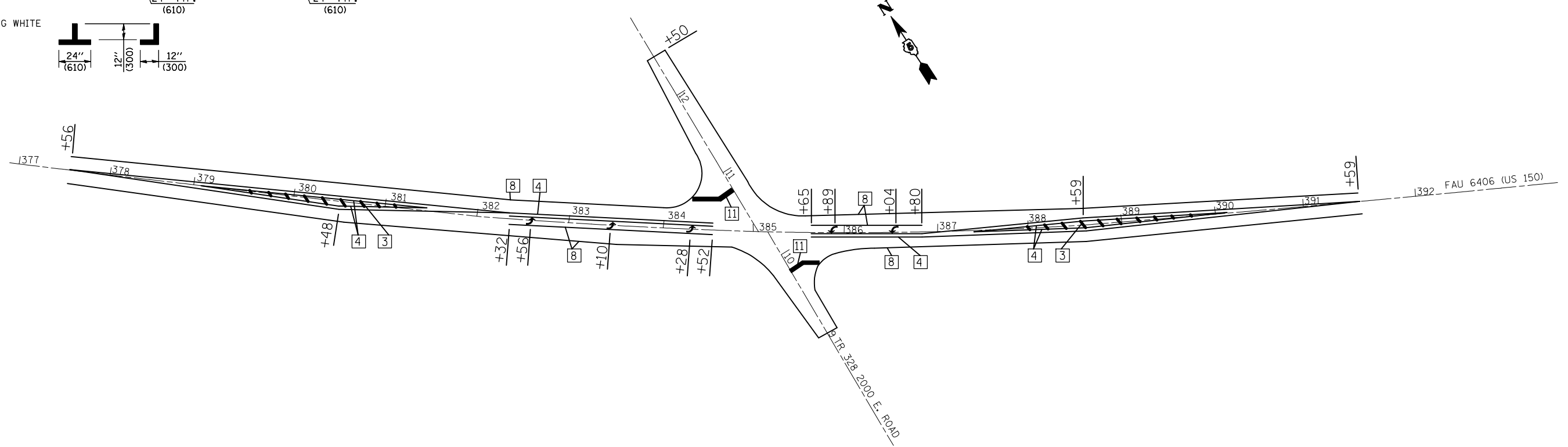
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				

**TYPICAL PAVEMENT MARKING LEGEND**

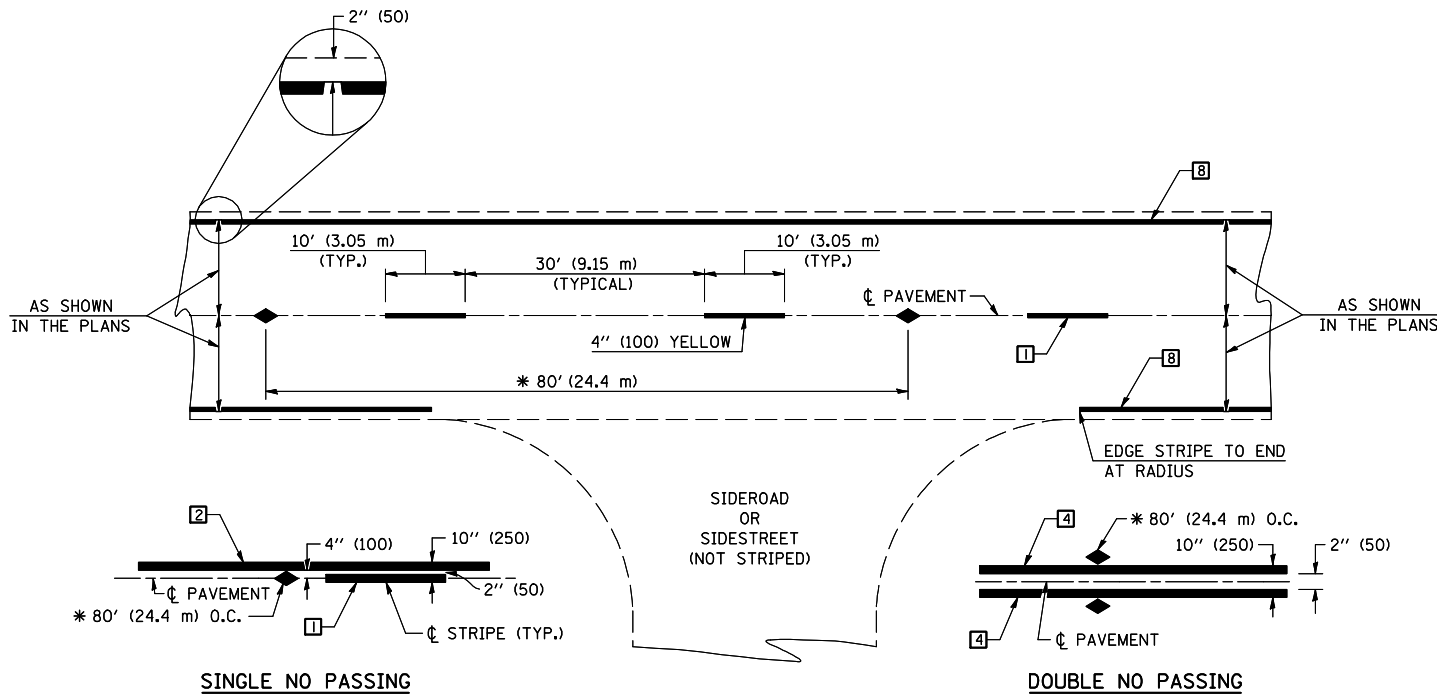
- 1 4" (100) SKIP-DASH (YELLOW)
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- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

US 150 & T.R. 328 (2000 E. ROAD INTERSECTION)



NOT TO SCALE

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS</b>				F.A.U. RTE. 6406	SECTION IRS-3	COUNTY MCLEAN	TOTAL SHEETS 33	SHEET NO. 29
		DRAWN -	REVISED -		SCALE:      SHEET NO.      OF      SHEETS      STA.      TO STA.				CONTRACT NO. 70539				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



\* 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**

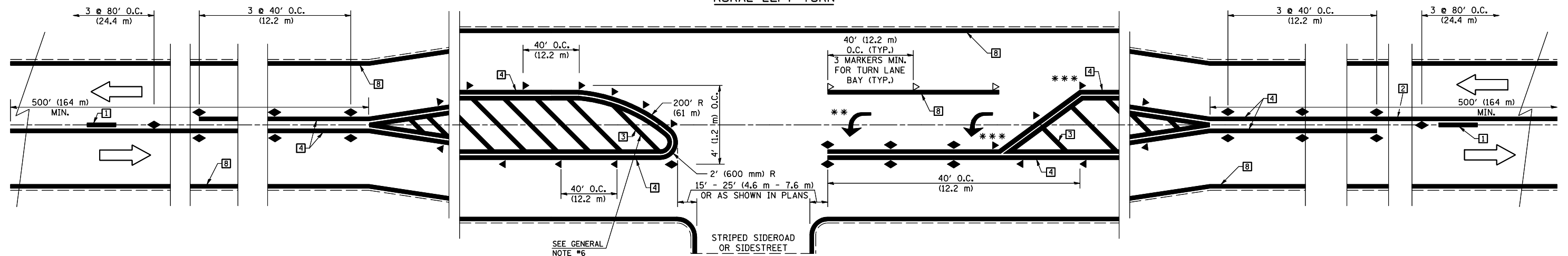
**TYPICAL PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
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- 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.

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -
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PLOT DATE = 1/29/2010		DATE -	REVISED -

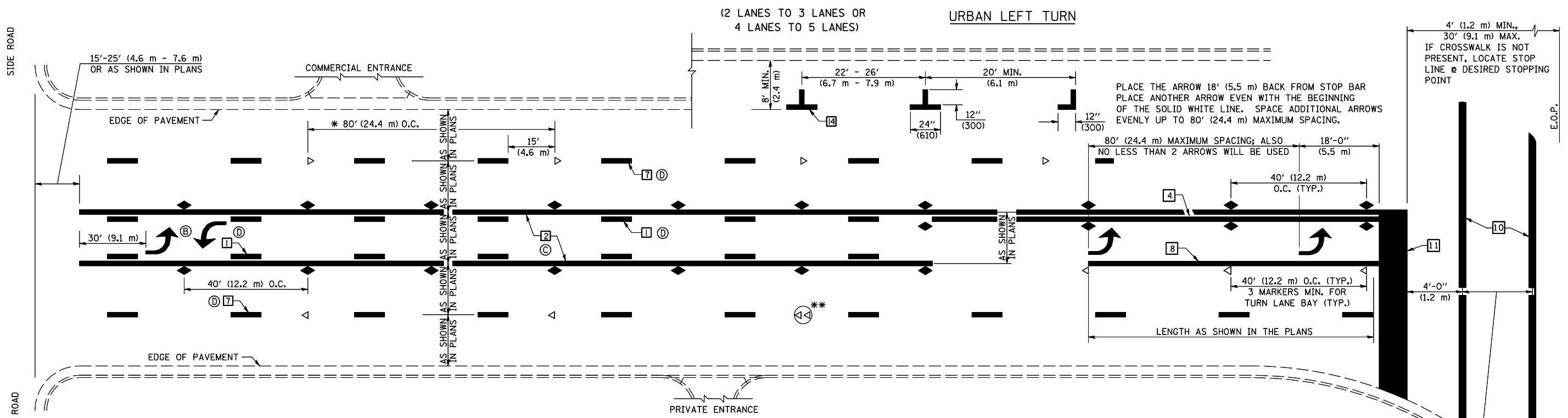
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

**DISTRICT 5 DETAIL NO. 7800AAA**

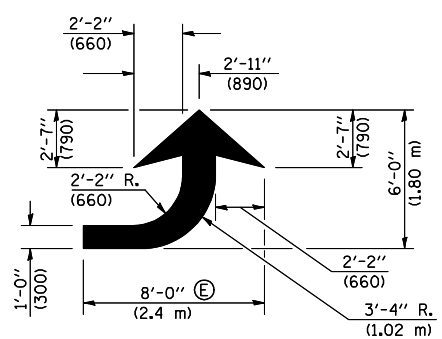
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	30
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				



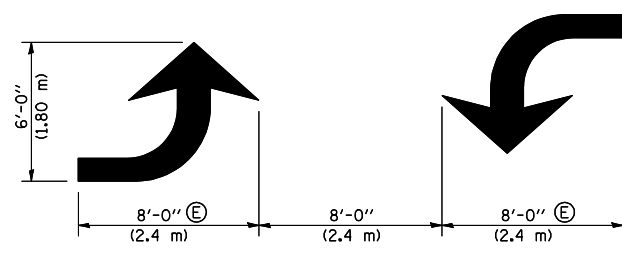
\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

\*\* 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)

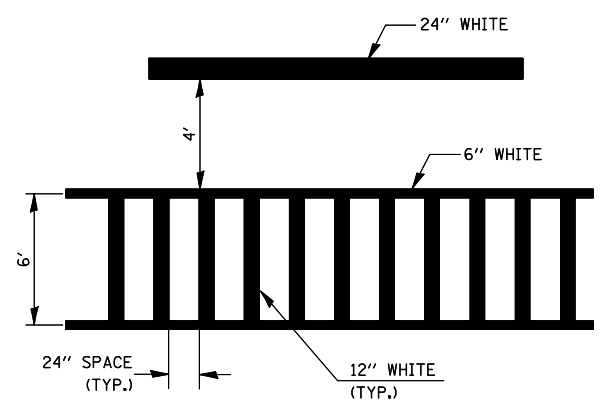


**LEFT ARROW**  
 REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)

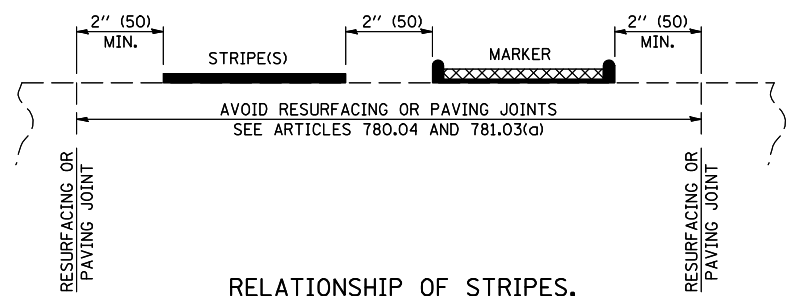


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

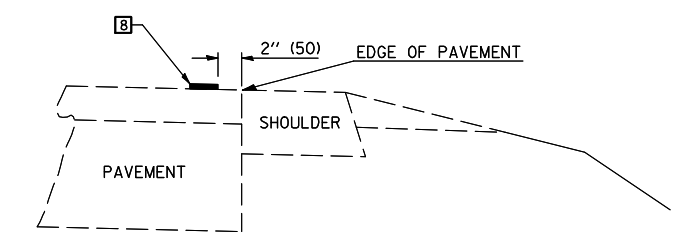
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



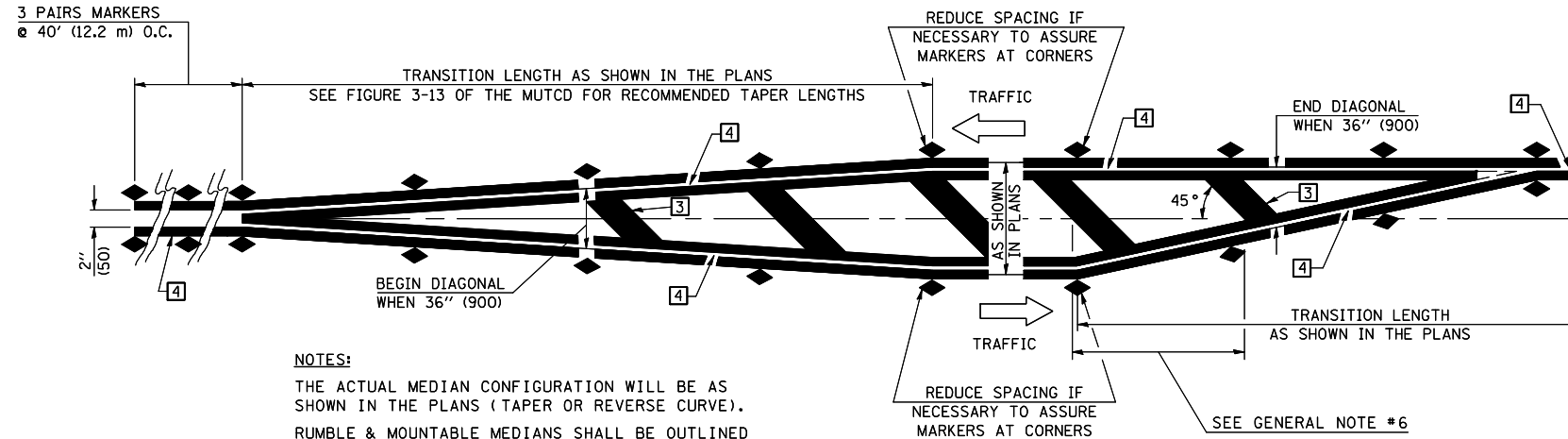
**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT**  
 (SAFETY SHOULDER OR PAVED SURFACE)  
 SEE ARTICLE 780.04

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

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>				<b>DISTRICT 5 DETAIL NO. 7800AAA</b>				
ct:\pw\work\PWIDOT\BOWERML\d0115116\d570539-sh1-details.dgn		DRAWN -	REVISED -						F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -						6406	IRS-3	MCLEAN	33	31
PLOT DATE = 1/29/2010		DATE -	REVISED -						CONTRACT NO. 70539				ILLINOIS FED. AID PROJECT

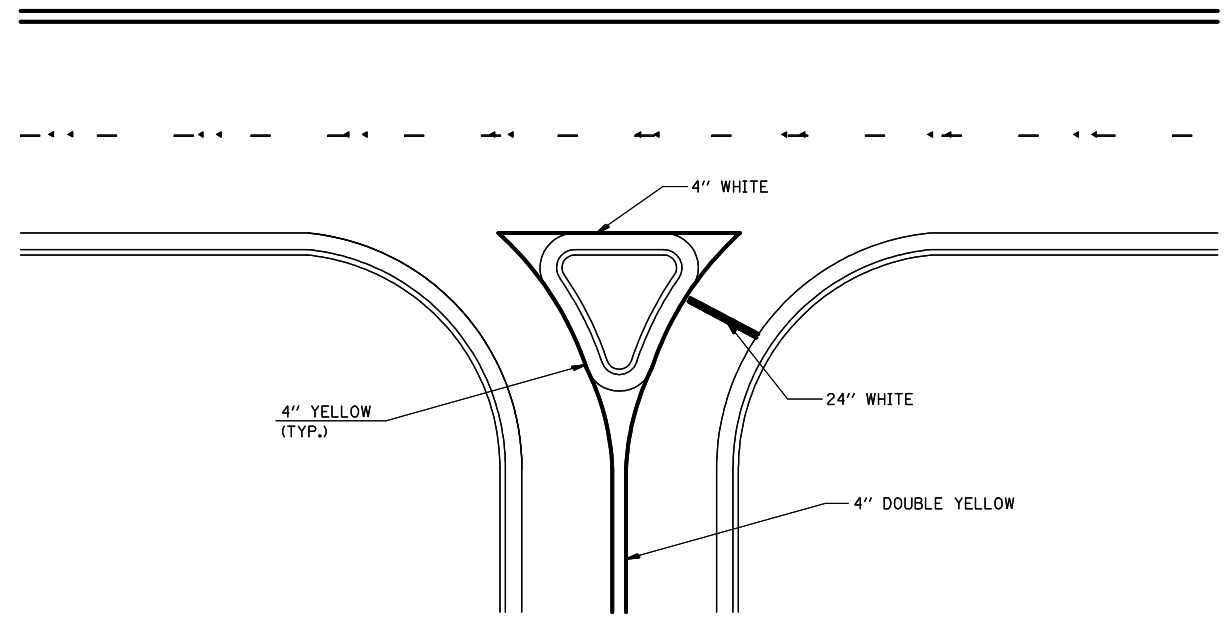


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

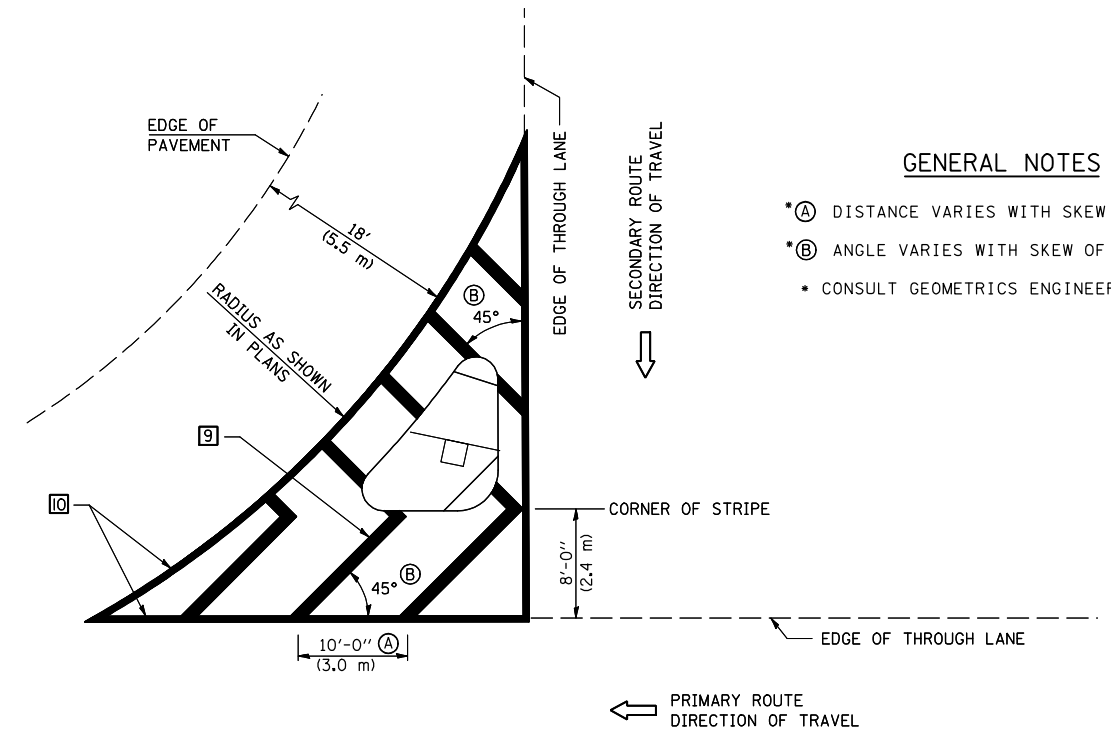
**TYPICAL MEDIAN TRANSITIONS**

**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.

FILE NAME =	USER NAME = bowerml	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\BOWERML\d0115116\d570539-sh1-deta1.s.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/29/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

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

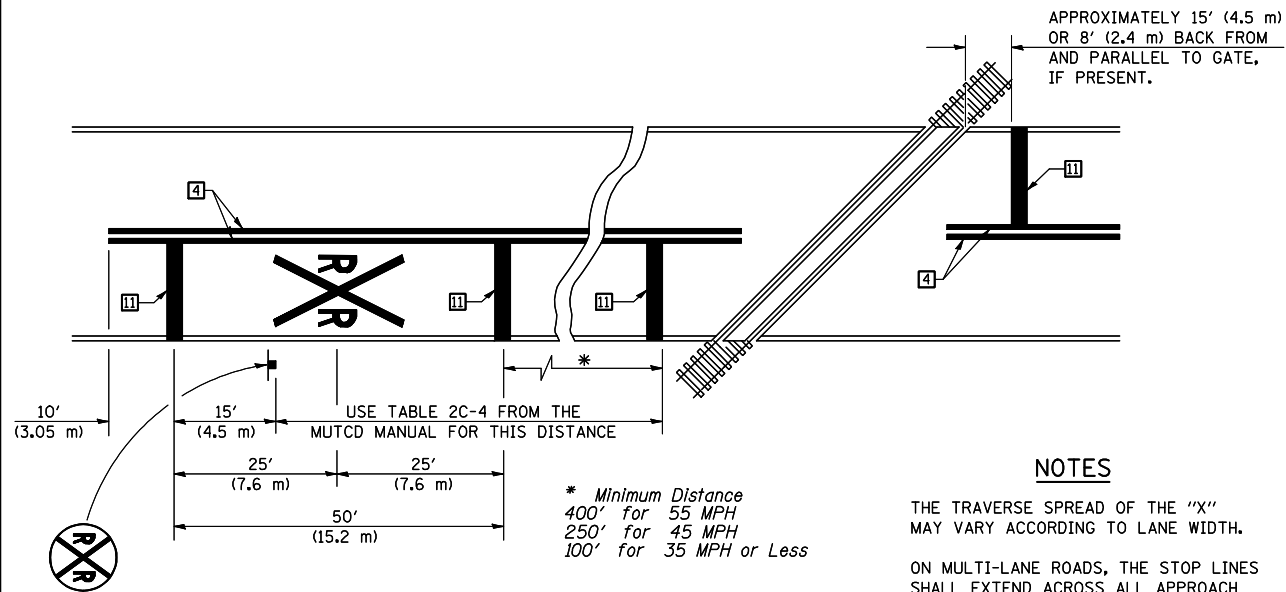
**DISTRICT 5 DETAIL NO. 7800AAA**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	32
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				



RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



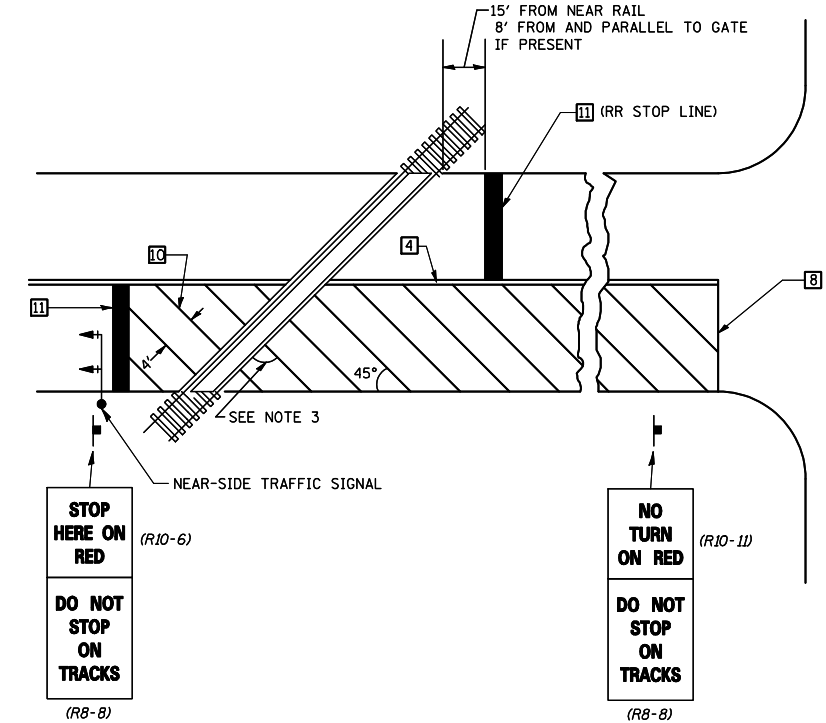
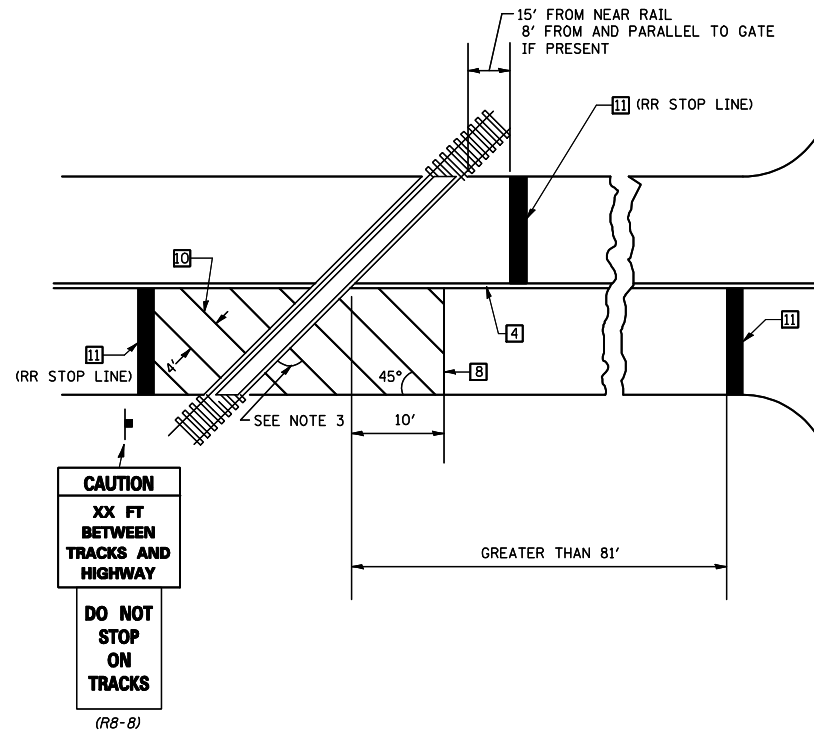
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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.

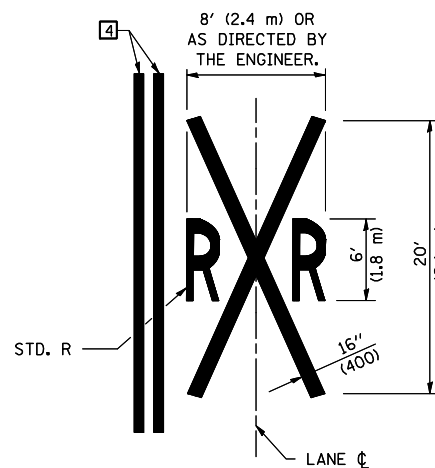
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



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.

DISTRICT 5 DETAIL NO. 7800AAAA

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PLOT DATE = 1/29/2010		DATE -	REVISED -

STATE OF ILLINOIS  
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PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6406	IRS-3	MCLEAN	33	33
CONTRACT NO. 70539				
ILLINOIS FED. AID PROJECT				