

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	1
		ILLINOIS	CONTRACT NO. 70952	

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

# PROPOSED HIGHWAY PLANS

F.A.S. ROUTE 502 (LEVERETT ROAD)  
SECTION (106,86)RS-1  
PROJECT NO. STP-DN0U(341)  
PAVEMENT REHABILITATION DESIGNED  
HMA OVERLAY  
CHAMPAIGN COUNTY

C-95-071-19

LEVERETT ROAD FROM MARKET ST TO US 45

**CURRENT TRAFFIC DATA**

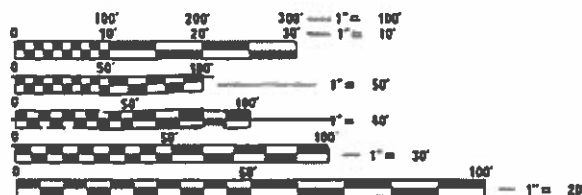
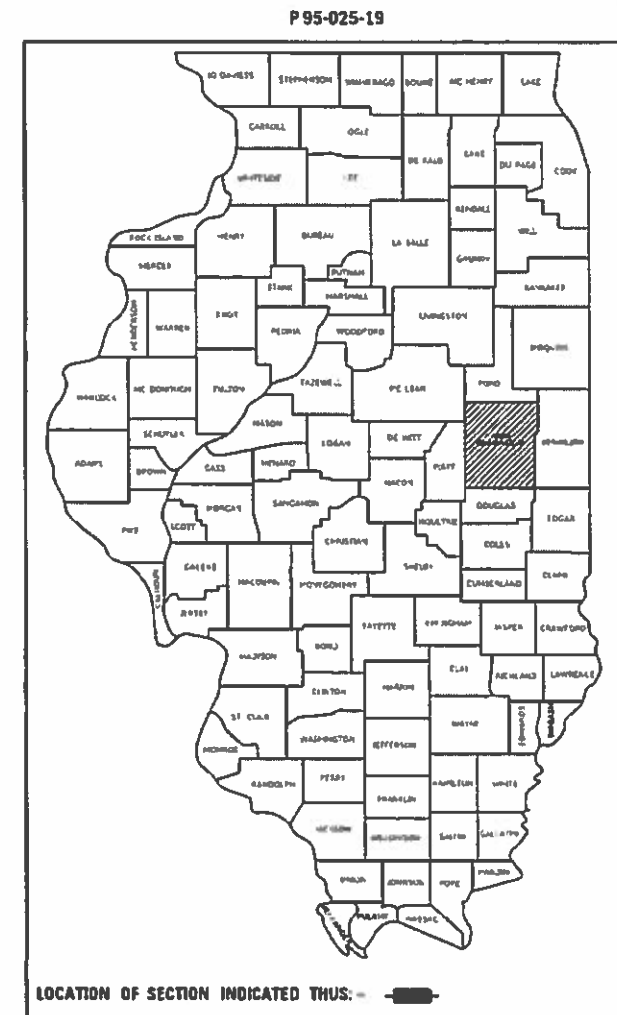
FAS 502 (LEVERETT RD)

	LEG "A"	LEG "B"
2019 ADT =	2,600	2,100
PV% =	89.6%	89.7%
SU% =	5.7%	4.3%
MU% =	4.7%	6.0%

**TRAFFIC DATA LOCATIONS**

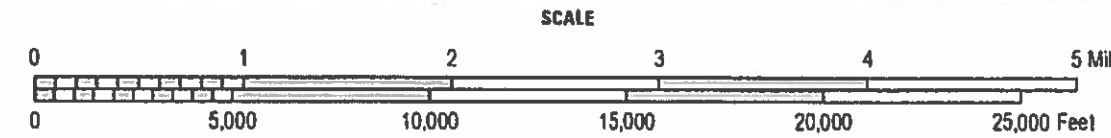
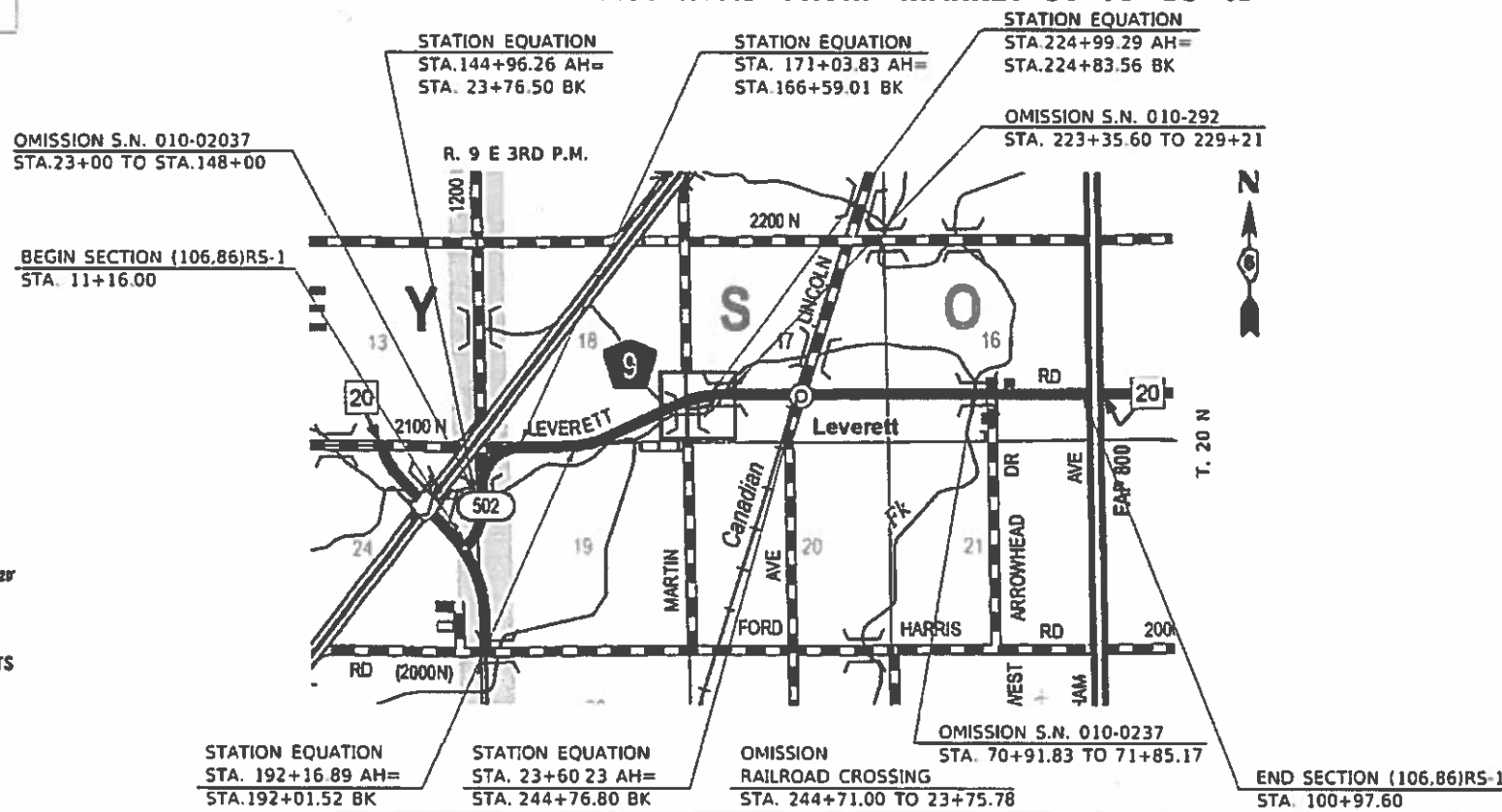
LEG A = LEVERETT RD FROM MARKET ST TO TR 176  
LEG B = LEVERETT RD FROM TR 176 TO US 45

**FUNCTIONAL CLASSIFICATION:**  
MAJOR COLLECTOR



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 EXCAVATORS  
1-800-892-0123  
OR 811 HENSLEY & SOMER TOWNSHIPS



GROSS LENGTH = 18,502.49 FT. = 3.504 MILE  
NET LENGTH = 17,437.85 FT. = 3.302 MILE

PROJECT ENGINEER: NANCY J. FASIG  
PROJECT MANAGER: AVOREE S. GORE  
PHONE: (217)-465-4181  
CONTRACT NO. 70952

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 06/01/2019  
Kenil A. Barnett REGIONAL ENGINEER  
June 14, 2019  
June 19, 2019  
ENGINEER OF DESIGN AND ENVIRONMENT  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

# INDEX OF SHEETS

<u>DESCRIPTION</u>	<u>SHEET NO.</u>
COVER SHEET	1
INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS & COMMITMENTS	2
GENERAL NOTES	3
SUMMARY OF QUANTITIES	4 TO 5
TYPICAL CROSS SECTIONS	6 TO 9
SCHEDULE OF QUANTITIES	10 TO 13
PLAN SHEETS	14 to 20
PAVING TRANSITION DETAIL	21
DISTRICT 5 DETAIL NO.XX442100-PCC PARTIAL DEPTH PATCHING	22
DISTRICT 5 DETAIL NO. 40800050B - MAILBOX TURNOUT (RURAL)	23
DISTRICT 5 DETAIL NO. 408000AA - SIDEROAD & SIDESTREETS (RURAL)	24 TO 25
DISTRICT 5 DETAIL NO. 40800050C- PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL & COMMERCIAL RURAL)	26 TO 27
DISTRICT 5 DETAIL NO. XZ193AAA- SURVEY MARKERS TYPE 1&2 (SPECIAL)	28
DISTRICT 5 DETAIL NO. 7800AAAA- PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	29 TO 32

# LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > OR = 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ? 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

# COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

MODEL: 4\MODEL\MAR18  
FILE NAME: P:\pub\mcom\ma\data\illinois\pwr\DOT\Documents\DOT\_Offices\District 5\Projects\0570952\CADDData\CADDsheets\0570952-eh\Index of Sheets & List of Standards.dgn

USER NAME = monjardinnrt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	2
CONTRACT NO. 70952				
		ILLINOIS	FED. AID PROJECT	

# GENERAL NOTES

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

GN 105.07C  
EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

G.N.-105.09A  
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.12  
THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Paul Chojenski  
Manager, Public Projects CN  
CN Railroad  
17641 South Ashland Avenue  
Homewood, IL 60430  
(708) 332-3557

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Paul Chojenski  
Manager, Public Projects CN  
CN Railroad  
17641 South Ashland Avenue  
Homewood, IL 60430  
(708) 332-3557

SOME RAILROADS REQUIRE CONTRACTORS TO OBTAIN A RIGHT OF ENTRY PERMIT BEFORE ENTERING UPON RAILROAD RIGHT OF WAY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RAILROAD RIGHT OF ENTRY PERMIT FROM THE RAILROAD IF REQUIRED BY THE RAILROAD(S).

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	FAS 502 (Leverett Rd)	FAS 502 (Leverett Rd)	FAS 502 (Leverett Rd)	FAS 502 (Leverett Rd)
Mixture Use	Surface	Fine Graded Binder & Pavement Cleaning	Class D & P.D. Patching	Incidental
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5 FG	IL 19.0	IL 9.5
Friction Aggregate	Mix C	N.A.	N.A.	Mix C
Mixture Weight	112	112	112	112
Quality Management Program	QCP	QCP	QC/QA	QC/QA
Sublot Size	1000	1000	N.A.	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 THE 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 LAYOUT OF 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 (TACK 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  
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

MODEL: s:\MODEL\MHFS  
FILE: MHFS: s:\pub\mcomad\at\links\gov\PIWDOT\Documents\IDOT\_Offices\District\_5\Projects\0570952\CaddData\Cadd\Notes\0570952-01-General\_Notes.dgn

USER NAME = monjardinnrt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	3
CONTRACT NO. 70952				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

LOCATION OF WORK: F.A.S. ROUTE 502  
RURAL  
STA.11+16.00 TO STA.100+97.60  
CHAMPAIGN COUNTY  
FUNDING BREAKOUT: 80% FED. 20% FED  
CONSTRUCTION TYPE CODE: 0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34,904.00
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40.00
40600990	TEMPORARY RAMP	SQ YD	896.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4,335.00
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	989.00
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	247.00
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	51,599.00
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	195.00
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	65.00
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	34,876.00
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	859.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	9.00
67100100	MOBILIZATION	L SUM	1.00
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.00
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.00
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10.00
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,243.00

MODEL: 440001.DWG  
FILE: 440001.dwg  
C:\Users\goreas\Documents\DOT\Projects\70952\CADD\Drawings\DOT\70952-Sub\Summary of Quantities.dwg

USER NAME = goreas	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	4
			CONTRACT NO. 70952	
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

LOCATION OF WORK: F.A.S. ROUTE 502  
RURAL

STA.11+16.00 TO STA.100+97.60  
CHAMPAIGN COUNTY

FUNDING BREAKOUT: 80% FED. 20% FED

CONSTRUCTION TYPE CODE: 0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,748.00
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	40,418.00
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	123.00
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	72.00
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	41,749.00
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	230.00
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2,198.00
X4406255	PARTIAL DEPTH REMOVAL, TYPE II, 5.5"	SQ YD	195.00
X4406455	PARTIAL DEPTH REMOVAL, TYPE III, 5.5"	SQ YD	65.00
X4421000	PARTIAL DEPTH PATCHING	TON	80.00
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	123.00
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	72.00
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	4.00
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	17,438.00
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.00
40602978	HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	3,612.00

\* DENOTES SPECIALTY ITEM

MODEL: \\MODELS\MAMES  
FILE: \\models\p10\p10m\con\dat\Illinois\p10\p10m\DOT\Documents\DOT\_Offices\Bartlett\_S\Projects\0570952\_CADD\Drawings\CADD\Drawings\0570952-CH-Summary of Quantities.dgn

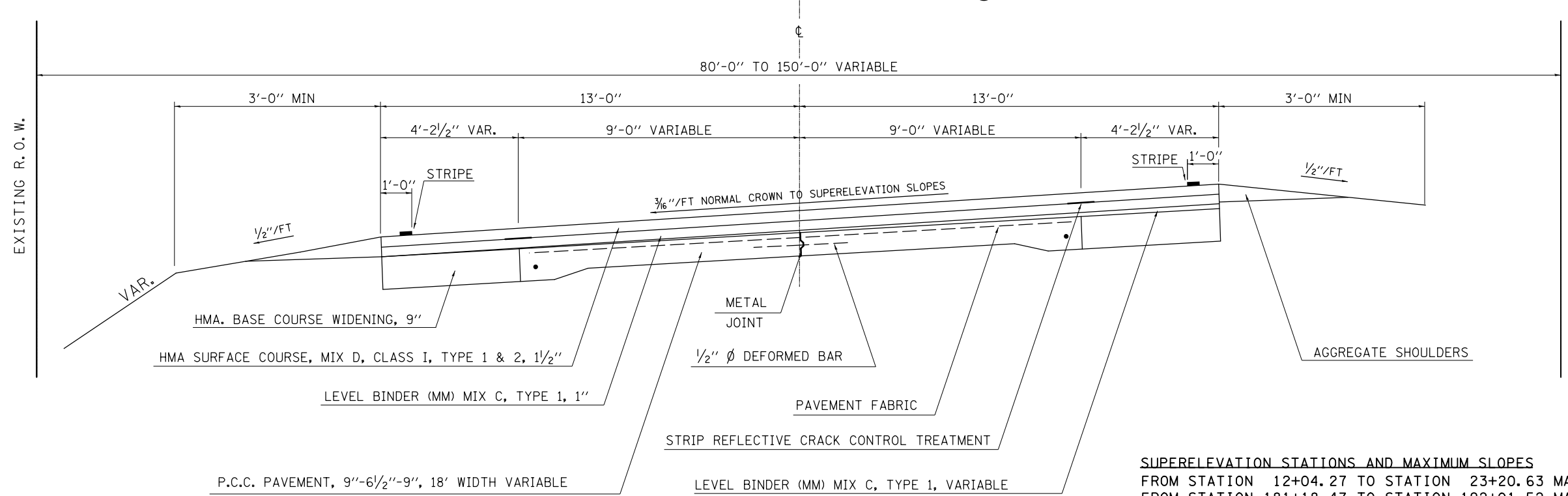
USER NAME = g0reas	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	502	(106.86)RS-1	CHAMPAIGN	32	5
PLOT DATE = 6/2/2019	DATE -	REVISED -		CONTRACT NO. 70952										
											ILLINOIS FED. AID PROJECT			

RESURFACING OMISSION FROM STA. 23+00 TO STA. 148+00.00  
S.N. 010-2037

### 1 EXISTING TYPICAL CROSS SECTION

STA. EQN. 23+76.50 (BK) = 144+96.26 (AH)  
STA. EQN. 192+01.52 (BK) = 192+16.89 (AH)

STATION	TO	STATION	RESURFACING OMISSION
11+16.00		23+00.00	③
② 179+71.80		193+63.56	②



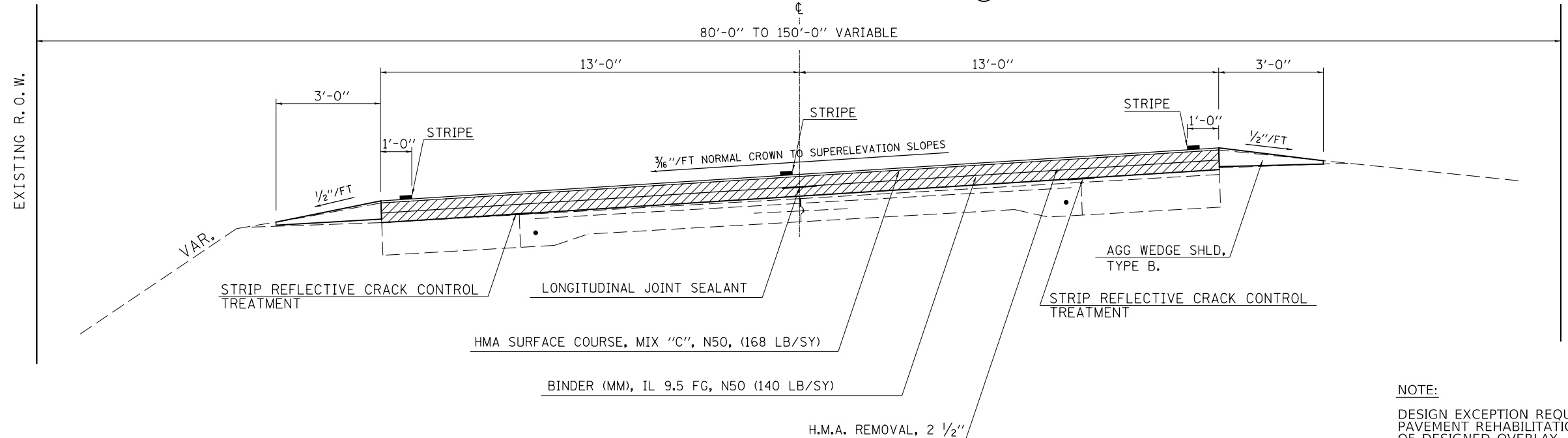
**SUPERELEVATION STATIONS AND MAXIMUM SLOPES**  
FROM STATION 12+04.27 TO STATION 23+20.63 MAX SLOPE = 0.026 FT/FT  
FROM STATION 181+18.47 TO STATION 192+01.52 MAX SLOPE = 0.020 FT/FT

RESURFACING OMISSION FROM STA. 23+00 TO STA. 148+00.00  
S.N. 010-2037

### 1 PROPOSED TYPICAL CROSS SECTION

STA. EQN. 23+76.50 (BK) = 144+96.26 (AH)  
STA. EQN. 192+01.52 (BK) = 192+16.89 (AH)

STATION	TO	STATION	RESURFACING OMISSION
11+16.00		23+00.00	③
② 179+71.80		193+63.56	②



**NOTE:**  
DESIGN EXCEPTION REQUESTED FOR PAVEMENT REHABILITATION STRATEGY OF DESIGNED OVERLAY

H.M.A. REMOVAL, 2 1/2"

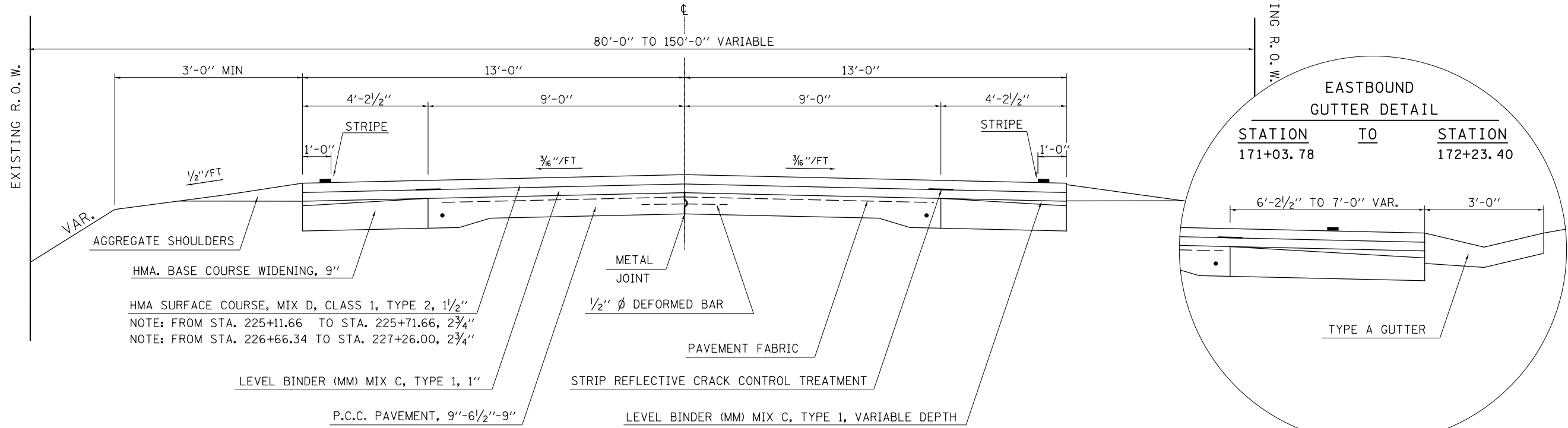
FILE NAME =	USER NAME = monjardnrrt	DESIGNED - RRM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL ROADWAY CROSS SECTIONS</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570952\Drawings\CABsheets\0570952-shr-typical-revised.dgn	DRAWN -	CHECKED - SDQ	REVISED -				502	(106,86)RS-1	CHAMPAIGN	32	6
PLOT SCALE = 40.0000' / in.	DATE - 05/28/19	REVISOR -	REVISOR -				CONTRACT NO. 70952				
PLOT DATE = 6/1/2019	DATE - 05/28/19	REVISOR -	REVISOR -	SCALE: NONE		SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

## ② EXISTING TYPICAL CROSS SECTION

\*SN 010-0292 BRIDGE & BRIDGE APPROACH OMISSION  
FROM STA. 223+35.60 TO STA. 229+21.00

	STATION	TO	STATION	
	③ 166+59.00 (STA. EQN.)		179+71.80	①
	① 193+63.56		212+38.36	③
BRIDGE OMISSION*	③ 229+21.00		244+76.80 (STA. EQN.)	④

STA. EQN.	23+76.50 (BK)	=	144+96.26 (AH)
STA. EQN.	166+59.00 (BK)	=	171+03.78 (AH)
STA. EQN.	224+83.56 (BK)	=	224+99.29 (AH)
STA. EQN.	244+76.80 (BK)	=	23+60.23 (AH)

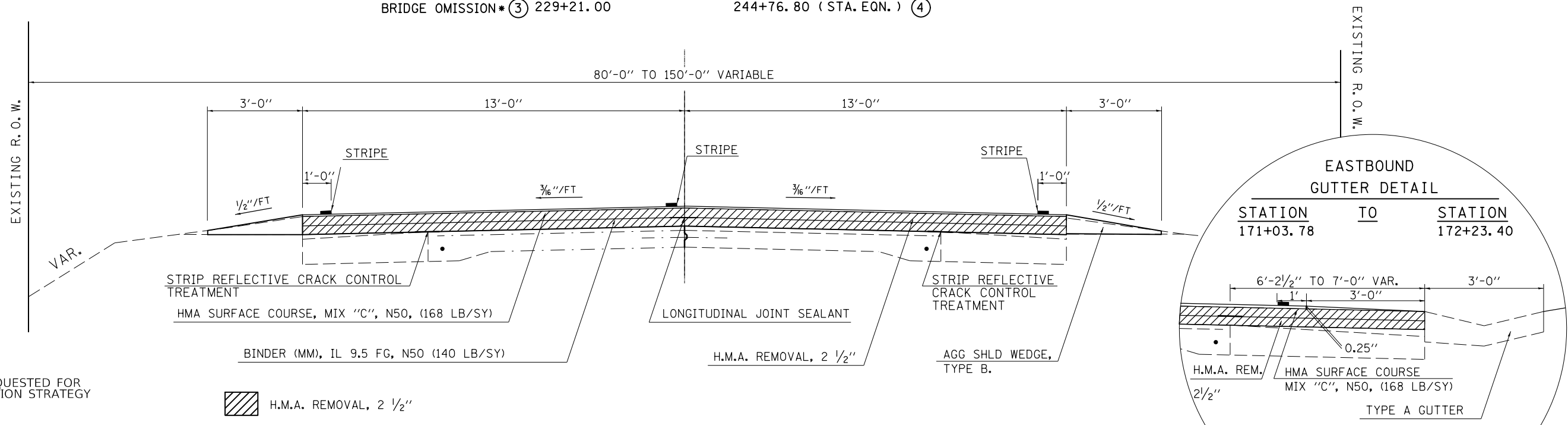


## ② PROPOSED TYPICAL CROSS SECTION

\*SN 010-0292 BRIDGE & BRIDGE APPROACH OMISSION  
FROM STA. 223+35.60 TO STA. 229+21.00

	STATION	TO	STATION	
	③ 166+59.00 (STA. EQN.)		179+71.80	①
	① 193+63.56		212+38.36	③
BRIDGE OMISSION*	③ 229+21.00		244+76.80 (STA. EQN.)	④

STA. EQN.	23+76.50 (BK)	=	144+96.26 (AH)
STA. EQN.	166+59.00 (BK)	=	171+03.78 (AH)
STA. EQN.	224+83.56 (BK)	=	224+99.29 (AH)
STA. EQN.	244+76.80 (BK)	=	23+60.23 (AH)



NOTE:  
DESIGN EXCEPTION REQUESTED FOR PAVEMENT REHABILITATION STRATEGY OF DESIGNED OVERLAY

H.M.A. REMOVAL, 2 1/2"

S.N. 010-2037  
RESURFACING OMISSION FROM STA. 23+00 TO STA. 148+00.00

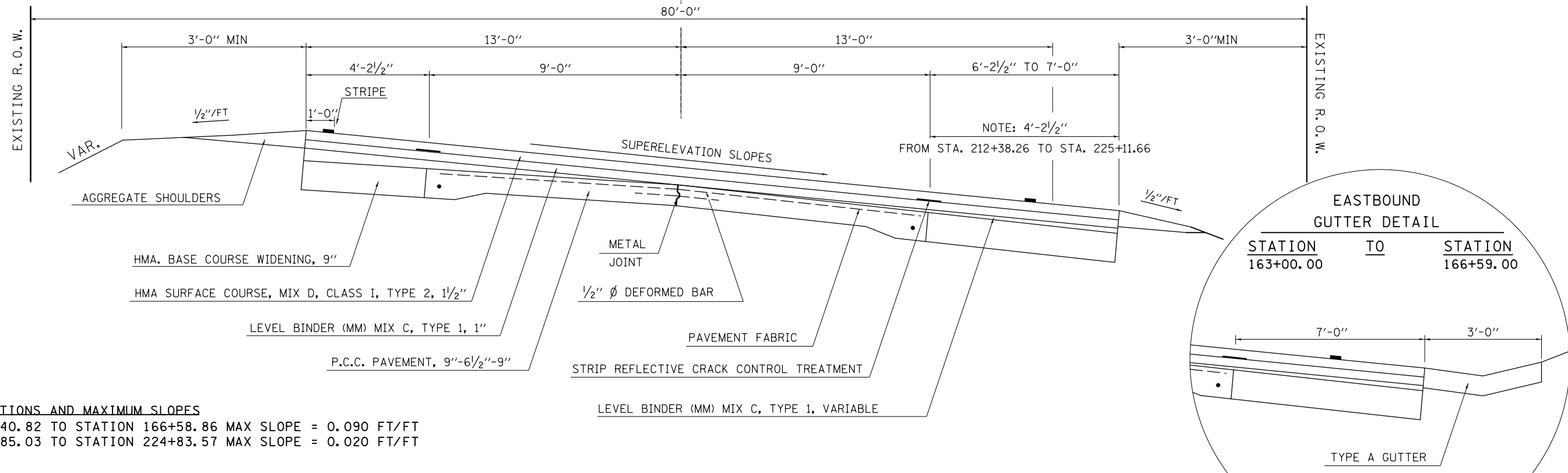
\*SN 010-0292 BRIDGE & BRIDGE APPROACH OMISSION  
FROM STA. 223+35.60 TO STA. 229+21.00

### ③ EXISTING TYPICAL CROSS SECTION

RESURFACING OMISSION  

STATION	TO	STATION	STA. EQN.
① 148+00.00		166+59.01	166+59.01 (BK) = 171+03.78 (AH) ②
② 212+38.26		223+35.60	BRIDGE OMISSION* ②

STA. EQN. 23+76.50 (BK) = 144+96.26 (AH)  
 STA. EQN. 166+59.00 (BK) = 171+03.78 (AH)  
 STA. EQN. 224+83.57 (BK) = 224+99.99 (AH)



**SUPERELEVATION STATIONS AND MAXIMUM SLOPES**  
 FROM STATION 147+40.82 TO STATION 166+58.86 MAX SLOPE = 0.090 FT/FT  
 FROM STATION 213+85.03 TO STATION 224+83.57 MAX SLOPE = 0.020 FT/FT

S.N. 010-2037  
RESURFACING OMISSION FROM STA. 23+00 TO STA. 148+00.00

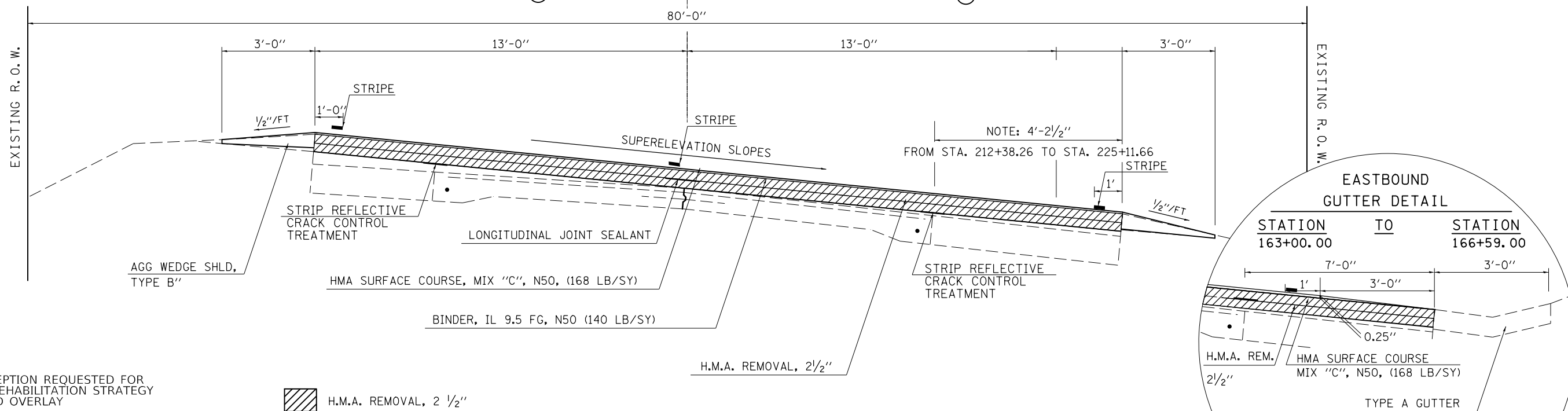
\*SN 010-0292 BRIDGE & BRIDGE APPROACH OMISSION  
FROM STA. 223+35.60 TO STA. 229+21.00

### ③ PROPOSED TYPICAL CROSS SECTION

RESURFACING OMISSION  

STATION	TO	STATION	STA. EQN.
① 148+00.00		166+59.01	166+59.01 (BK) = 171+03.78 (AH) ②
② 212+38.26		223+35.60	BRIDGE OMISSION* ②

STA. EQN. 23+76.50 (BK) = 144+96.26 (AH)  
 STA. EQN. 166+59.00 (BK) = 171+03.78 (AH)  
 STA. EQN. 224+83.57 (BK) = 224+99.99 (AH)



**NOTE:**  
 DESIGN EXCEPTION REQUESTED FOR  
 PAVEMENT REHABILITATION STRATEGY  
 OF DESIGNED OVERLAY

H.M.A. REMOVAL, 2 1/2"

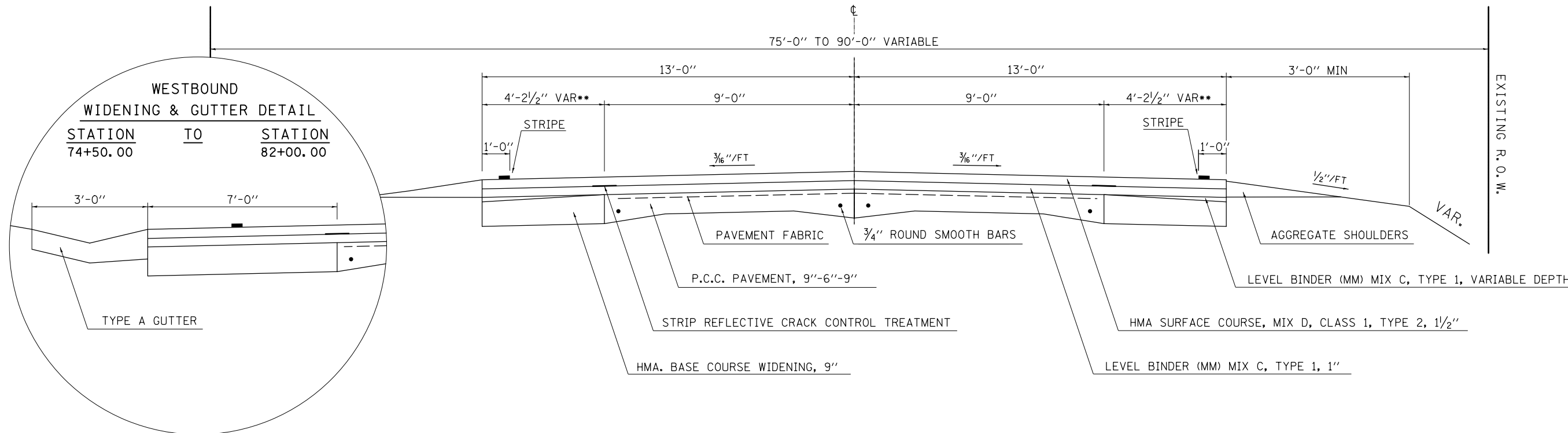


**④ EXISTING TYPICAL CROSS SECTION**

STA. EQN. 244+76.80 (BK) = 23+60.23 (AH)

- \* CNIC RAILROAD OMISSION 23+60.23 TO 24+00.00
- \* CNIC RAILROAD OMISSION 244+76.80 TO 244+71
- \*\* SNO10-0237 BRIDGE & BRIDGE APPROACH OMISSION FROM 70+91.83 TO 71+85.17

STATION	TO	STATION
② * 23+60.23 (STA. EQN.)		70+91.83 ** BRIDGE OMISSION
BRIDGE OMISSION ** 71+85.17		100+97.00

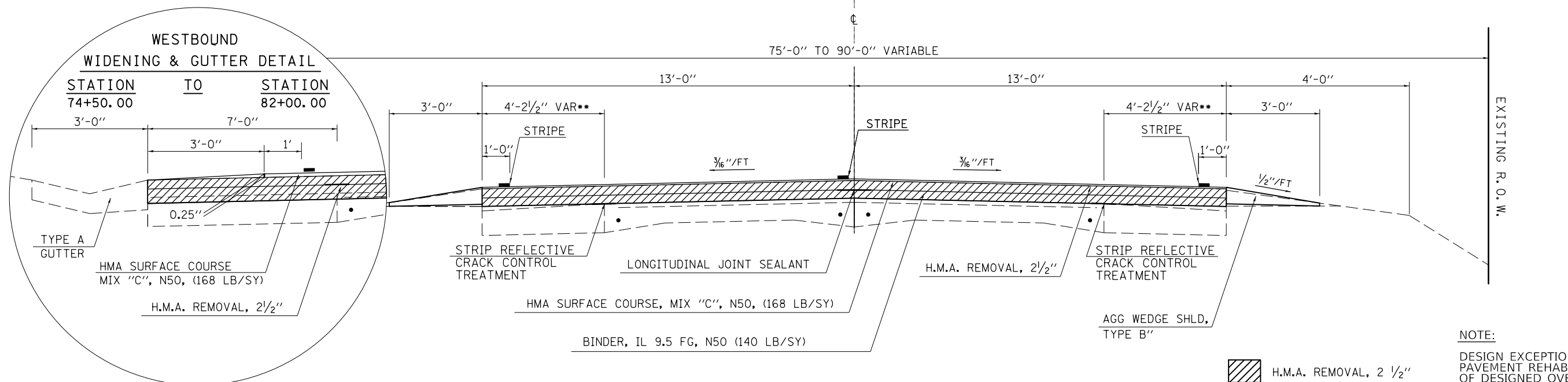


**④ EXISTING TYPICAL CROSS SECTION**

STA. EQN. 244+76.80 (BK) = 23+60.23 (AH)

- \* CNIC RAILROAD OMISSION 23+60.23 TO 24+00.00
- \* CNIC RAILROAD OMISSION 244+76.80 TO 244+71
- \*\* SNO10-0237 BRIDGE & BRIDGE APPROACH OMISSION FROM 70+91.83 TO 71+85.17

STATION	TO	STATION
② * 23+60.23 (STA. EQN.)		70+91.83 ** BRIDGE OMISSION
BRIDGE OMISSION ** 71+85.17		100+97.00



NOTE:  
DESIGN EXCEPTION REQUESTED FOR PAVEMENT REHABILITATION STRATEGY OF DESIGNED OVERLAY

FILE NAME =	USER NAME = monjardnrt	DESIGNED - RRM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL ROADWAY CROSS SECTIONS</b>			F.A.S. RT. 502	SECTION (106,86)RS-1	COUNTY CHAMPAIGN	TOTAL SHEETS 32	SHEET NO. 9	
DRAWN TO: CAB sheets\0570952-sht-Typical					CHECKED - SDQ	SCALE: NONE	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 70952				
PLOT SCALE = 48.0000' / in.					DATE - 05/28/19	ILLINOIS FED. AID PROJECT							
PLOT DATE = 6/1/2019					REVISED -								

# SCHEDULE OF QUANTITIES

## MAINLINE RESURFACING AND AGGREGATE QUANTITIES

EASTBOUND LANE																		
TYPICAL CROSS SECTION	DESCRIPTION	STA.	TO	STA.	LENGTH FOOT	BEGIN LANE WIDTH FOOT	END LANE WIDTH FOOT	AVERAGE LANE WIDTH FOOT	LANE AREA SQ YD	SURF CSE THICK INCH	LEVEL BIND THICK INCH	40600290	40600990	40603310	44000159	48102100		
												BIT MATL (TACK COAT) POUND	LEVELING BINDER IL-9.5 FG N50 TON	TEMP RAMP SQ YD	HMA SURFACE COURSE MIX "C" N50 TON	HMA SURF REMOVAL 2.5 INCH SQ YD	AGGREGATE WEDGE SHOULDER TYPE B END AREA	
																CU YD	TON	
1		11+16.00	TO	11+21.00	5.00	16.50	14.83	15.67	8.70	1.50	1.25	5.87	0.61	16.50	0.73	8.70	0.08	0.14
1		11+21.00	TO	23+00.00	1,179.00	16.50	13.00	14.75	1,932.25	1.50	1.25	1,304.27	135.26		162.31	1,932.25	17.74	31.93
	OMISSION: SN 010-2037	23+00.00	TO	23+76.50	76.50	13.00	13.00	13.00						13.00				
	STA. EQUATION 23+76.50 BK= 144+96.26 AH																	
	OMISSION: SN 010-2037	144+96.26	TO	148+00.00	303.74	13.00	13.00	13.00						13.00				
3		148+00.00	TO	160+00.00	1,200.00	13.00	15.00	14.00	1,866.67	1.50	1.25	1,260.00	130.67		156.80	1,866.67	18.05	32.50
3		160+00.00	TO	163+00.00	300.00	15.00	16.00	15.50	516.67	1.50	1.25	348.75	36.17		43.40	516.67	4.51	8.12
3,2	TYPE A GUTTER SECTION	163+00.00	TO	166+59.01	359.01	16.00	16.00	16.00	638.24	1.50	1.25	430.81	44.68		53.61	638.24		
2	STA EQUATION: 166+59.01 BK= 171+03.83 AH																	
2	TYPE A GUTTER SECTION	171+03.83	TO	172+00.00	96.17	16.00	16.00	16.00	170.97	1.50	1.25	115.40	11.97		14.36	170.97		
2	TYPE A GUTTER SECTION	172+00.00	TO	172+23.40	23.40	16.00	13.00	14.50	37.70	1.50	1.25	25.45	2.64		3.17	37.70		
2,1		172+23.40	TO	192+01.52	1,978.12	13.00	13.00	13.00	2,857.28	1.50	1.25	1,928.67	200.01		240.01	2,857.28	29.76	53.57
1	STA. EQUATION 192+01.52 BK= 192+16.89 = AH																	
1,2,3		192+16.89	TO	215+00.00	2,283.11	13.00	13.00	13.00	3,297.83	1.50	1.25	2,226.03	230.85		277.02	3,297.83	34.35	61.83
3	1300 E	215+00.00	TO	215+92.76	92.76	13.00	13.00	13.00	133.99	1.50	1.25	90.44	9.38		11.25	133.99		
3,2		215+92.76	TO	223+35.60	742.84	13.00	13.00	13.00	1,072.99	1.50	1.25	724.27	75.11		90.13	1,072.99	11.18	20.12
	OMISSION: SN 010-0292	223+35.60	TO	224+83.56	147.96	13.00	13.00	13.00						13.00				
	STA . EQUATION 224+83.56 BK= 224+99.29 AH																	
	OMISSION: SN 010-0292	224+99.29	TO	229+21.00	421.71	13.00	13.00	13.00						13.00				
2		229+21.00	TO	240+63.59	1,142.59	13.00	13.00	13.00	1,650.41	1.50	1.25	1,114.03	115.53		138.63	1,650.41	17.19	30.94
2	COMMERCIAL ENTRANCE	240+63.59	TO	242+21.85	158.26	13.00	13.00	13.00	228.60	1.50	1.25	154.30	16.00		19.20	228.60		
2		242+21.85	TO	244+71.00	249.15	13.00	13.00	13.00	359.88	1.50	1.25	242.92	25.19		30.23	359.88	3.75	6.75
	RAILROAD OMISSION	244+71.00	TO	244+76.80	5.80	13.00	13.00	13.00						13.00				
	STA EQUATION:244+76.80 BK = 23+60.23 AH																	
	RAILROAD OMISSION	23+60.23	TO	23+75.78	15.55	13.00	13.00	13.00										
4		23+75.78	TO	24+00.00	24.22	13.00	13.00	13.00	34.98	1.50	1.25	23.61	2.45	13.00	2.94	34.98	0.36	0.66
4	C.E.& CR 1350 E	24+00.00	TO	25+05.20	105.20	13.00	13.00	13.00	151.96	1.50	1.25	102.57	10.64		12.76	151.96		
4		25+05.20	TO	27+11.50	206.30	13.00	13.00	13.00	297.99	1.50	1.25	201.14	20.86		25.03	297.99	3.10	5.59
4	ENTRANCE W/MBTO	27+11.50	TO	28+10.00	98.50	13.00	13.00	13.00	142.28	1.50	1.25	96.04	9.96		11.95	142.28		
4		28+10.00	TO	67+54.30	3,944.30	13.00	13.00	13.00	5,697.32	1.50	1.25	3,845.69	398.81		478.58	5,697.32	59.34	106.81
4	PRIVATE ENTRANCE W/MBTO	67+54.30	TO	68+14.82	60.52	13.00	13.00	13.00	87.42	1.50	1.25	59.01	6.12		7.34	87.42		
4		68+14.82	TO	70+91.83	277.01	13.00	13.00	13.00	400.13	1.50	1.25	270.08	28.01		33.61	400.13	4.17	7.50
	OMISSION: SN 010-0237	70+91.83	TO	71+85.17	93.34	13.00	13.00	13.00						26.00				
4		71+85.17	TO	74+56.97	271.80	13.00	13.00	13.00	392.60	1.50	1.25	265.01	27.48		32.98	392.60	4.09	7.36
4	ARROWHEAD DRIVE	74+56.97	TO	78+28.13	371.16	13.00	13.00	13.00	536.12	1.50	1.25	361.88	37.53		45.03	536.12		
4		78+28.13	TO	96+66.70	1,838.57	13.00	13.00	13.00	2,655.71	1.50	1.25	1,792.61	185.90		223.08	2,655.71	27.66	49.79
4		96+66.70	TO	100+92.60	425.90	13.00	13.00	13.00	615.19	1.50	1.25	415.25	43.06		51.68	615.19	6.41	11.53
4		100+92.60	TO	100+97.60	5.00	13.00	13.00	13.00	7.22	1.50	1.25	4.88	0.51	13.00	0.61	7.22	0.08	0.14
					18,502.49													
									EASTBOUND TOTALS =			17,408.98	1,805.38	133.50	2,166.45	25,791.09	241.81	435.25

MODEL: \\MODEL\MHFS  
FILE: \\mhfs\pub\pdm\com\ad\illinois\gov\pww\DOT\Documents\DOT\_Offices\Illinet\Projects\0570952\CaddData\Cadd\Records\0570952-rhs-Schedule of Quantities.dgn

USER NAME = monjardinnrt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/3/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	10
CONTRACT NO. 70952				
		ILLINOIS	FED. AID PROJECT	



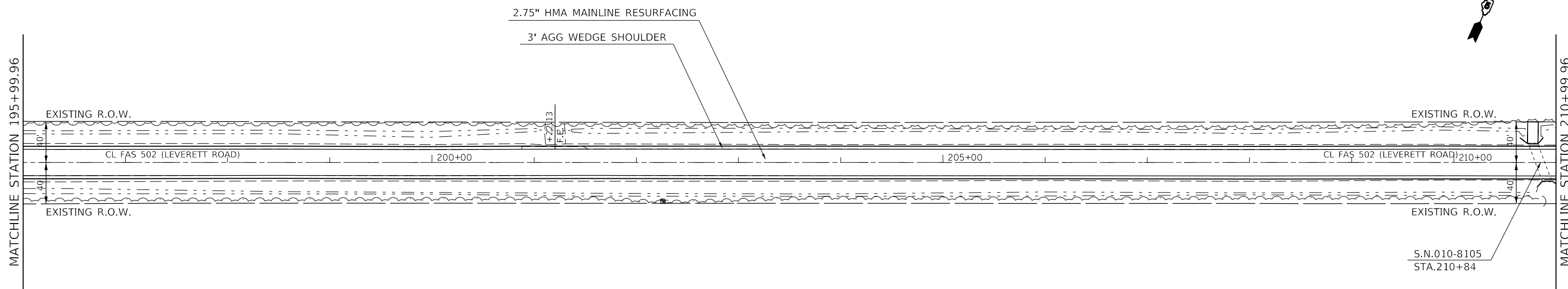




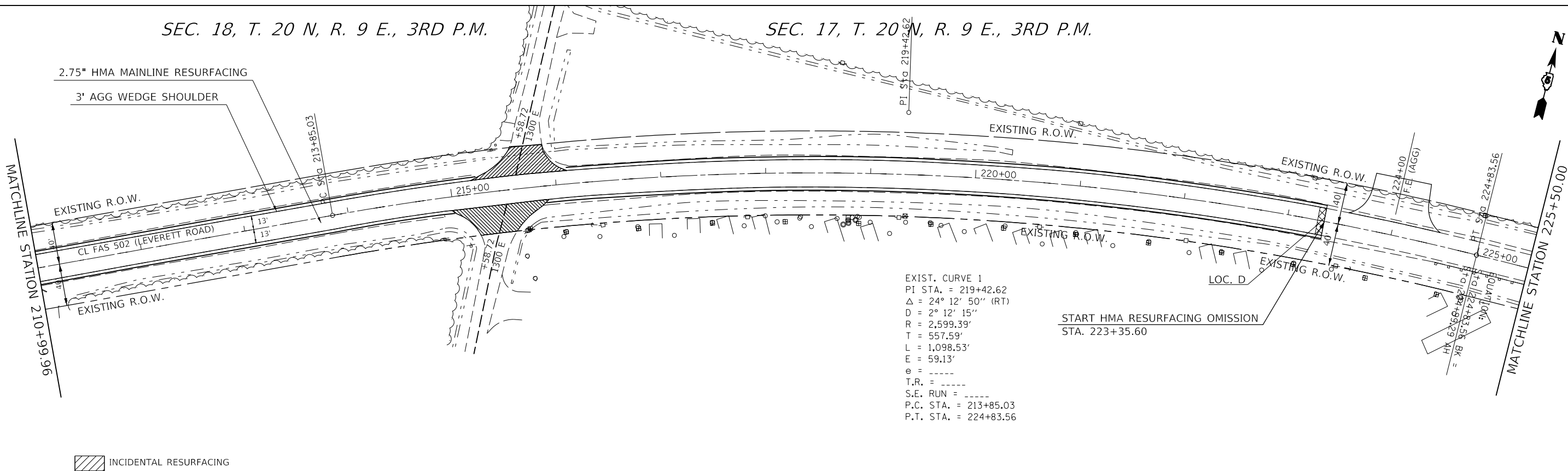




SEC. 18, T. 20 N, R. 9 E., 3RD P.M.



SEC. 18, T. 20 N, R. 9 E., 3RD P.M.



SEC. 18, T. 20 N, R. 9 E., 3RD P.M.

SEC. 17, T. 20 N, R. 9 E., 3RD P.M.

HMA PAVING TRANSITION DETAIL LOC D

MODEL: \\MODEL\NAME  
 FILE: \\NAME: \\path\to\file.dwg  
 PROJECT: \\PROJECT\70952\CD\Drawings\DOT\Office\Drawings\70952\CD\Drawings\70952-CH-PLAN.dwg  
 USER: \\USER\monjardinnr

USER NAME = monjardinnr	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

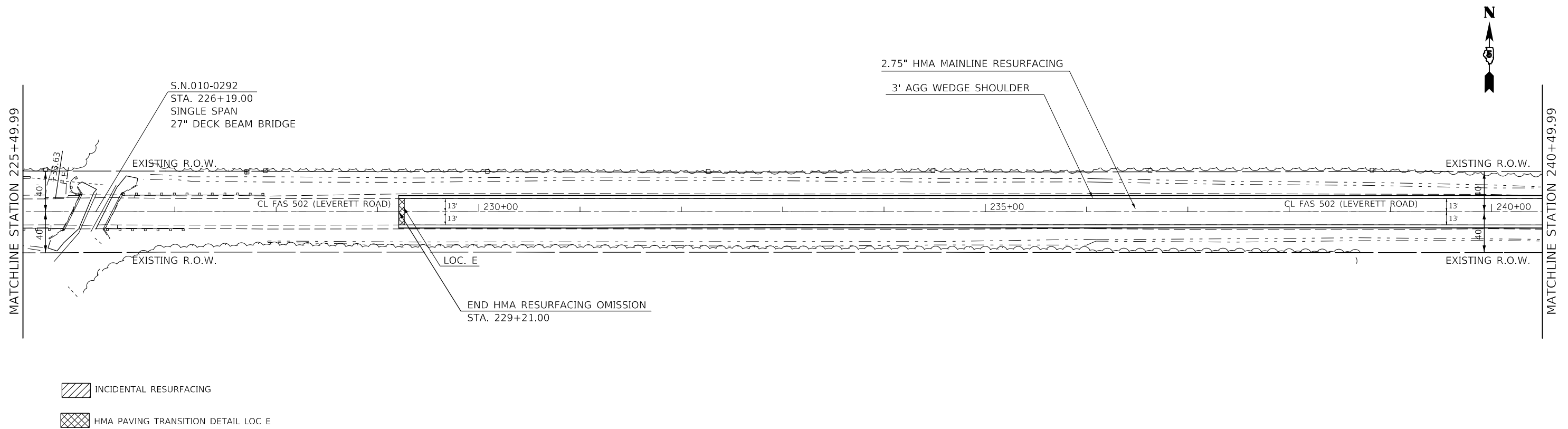
PLAN SHEETS

SCALE: 1" = 50' SHEET 3 OF 7 SHEETS STA. 195+99.96 TO STA. 225+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	16
CONTRACT NO. 70952				
ILLINOIS FED. AID PROJECT				

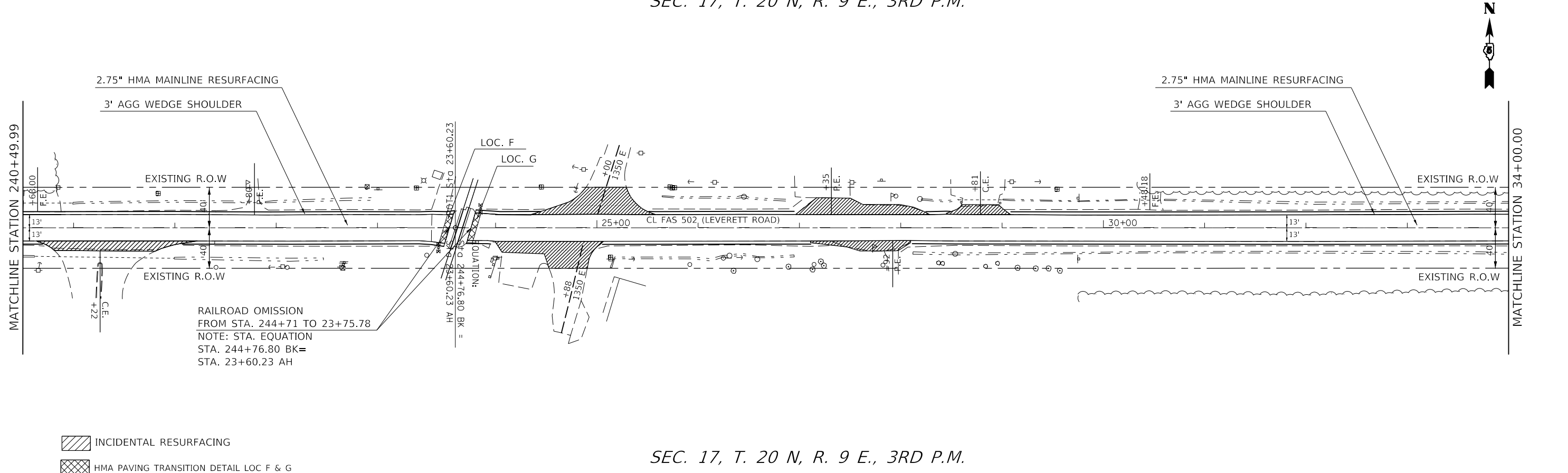


SEC. 17, T. 20 N, R. 9 E., 3RD P.M.



SEC. 17, T. 20 N, R. 9 E., 3RD P.M.

SEC. 17, T. 20 N, R. 9 E., 3RD P.M.



SEC. 17, T. 20 N, R. 9 E., 3RD P.M.

MODEL: \\MODEL\MAME  
FILE: \\MAME\_Plan\Illinois\gov\PIWDOT\Documents\DOT\_Offices\District 5\Projects\0570952\CADD\Drawings\0570952-04-Plan.dgn

USER NAME = monjardnrt	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/3/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS	
SCALE: 1" = 50'	SHEET 4 OF 7 SHEETS
STA. 225+50.00 TO STA. 34+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106.86)RS-1	CHAMPAIGN	32	17
CONTRACT NO. 70952				
ILLINOIS FED. AID PROJECT				

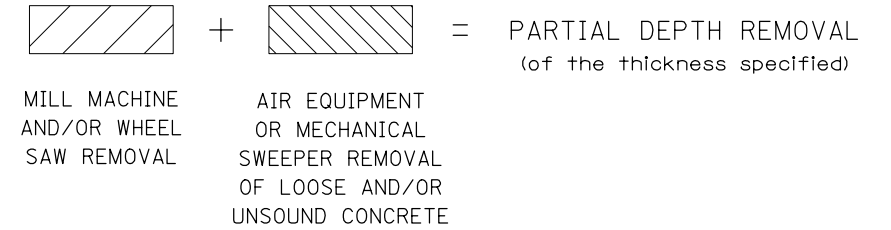
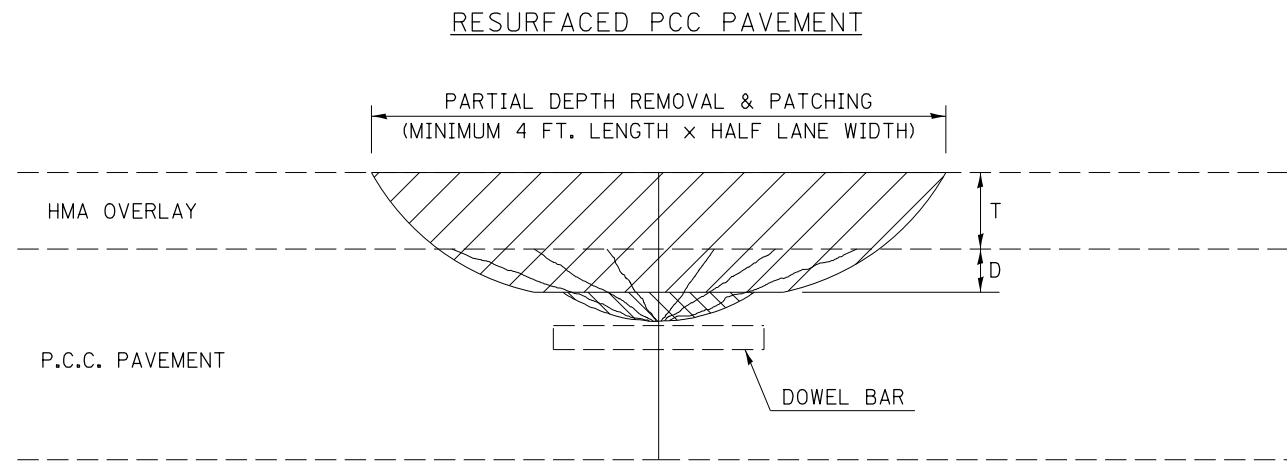








DESIGNER NOTE: THIS DISTRICT 5 DETAIL SHOULD BE USED WITH RECURRING SPECIAL PROVISION CHECK SHEET #15 AND SHALL ALSO APPLY TO PREVIOUSLY RESURFACED PCC PAVEMENT.



DESIGN NOTES

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (121 mm) OR ON CRC PAVEMENT.

GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

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

FILE NAME =	USER NAME = monjardnrrt	DESIGNED -	REVISED - 11/06
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057095\Drawings\CAD\Sheets\PAGE 22 XX442100.dgn		DRAWN -	REVISED - 10/10
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING**

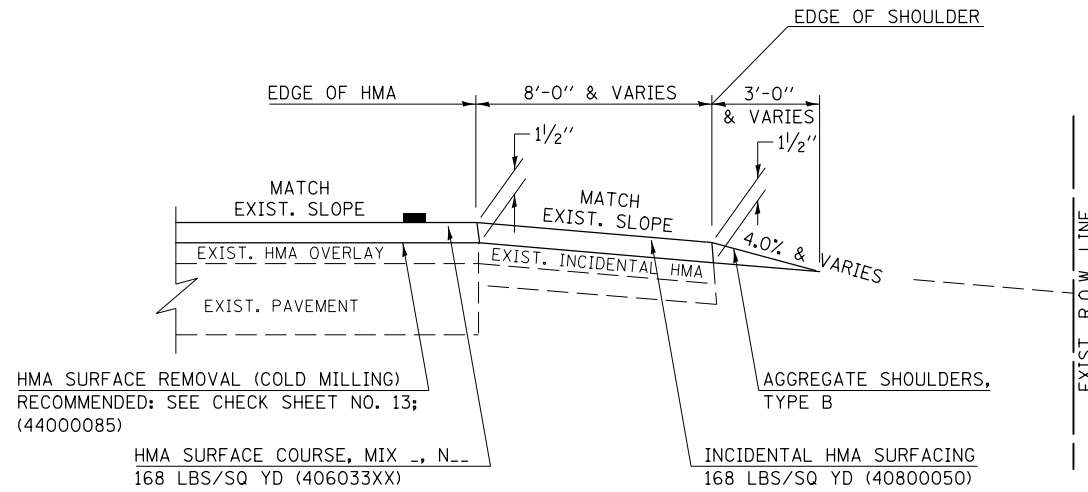
SCALE: SHEET OF SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. XX442100**

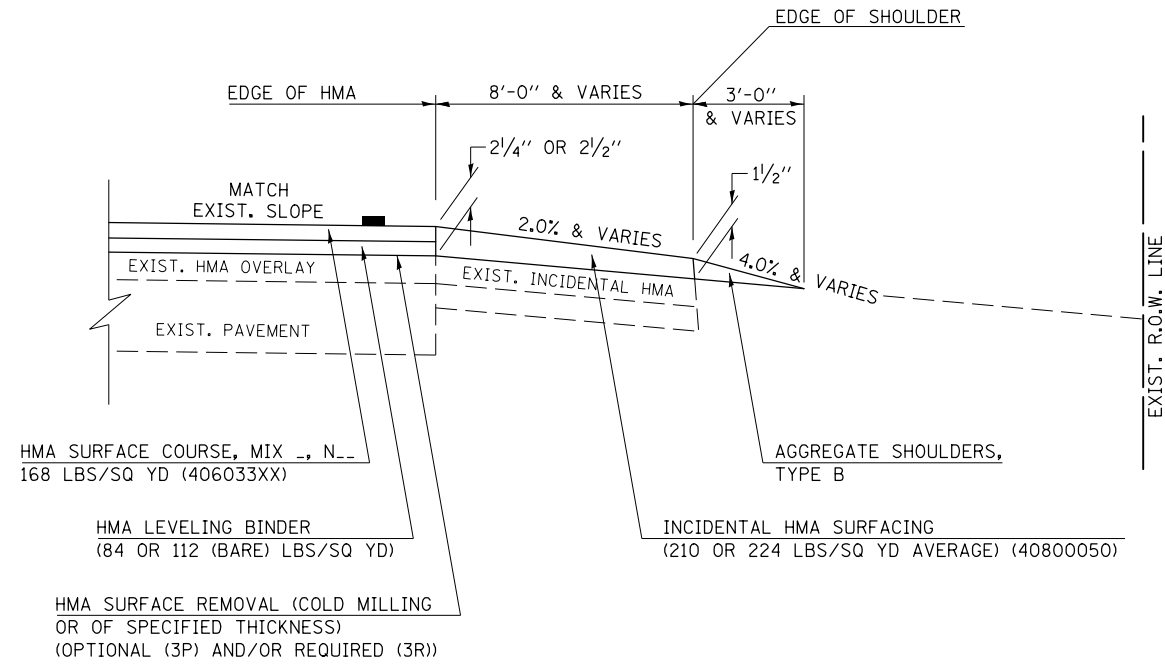
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	22
				CONTRACT NO. 70952
ILLINOIS FED. AID PROJECT				

# PROJECTS WITHOUT RECONSTRUCTION

**S.M.A.R.T. IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")



**"3P" OR "3R" IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

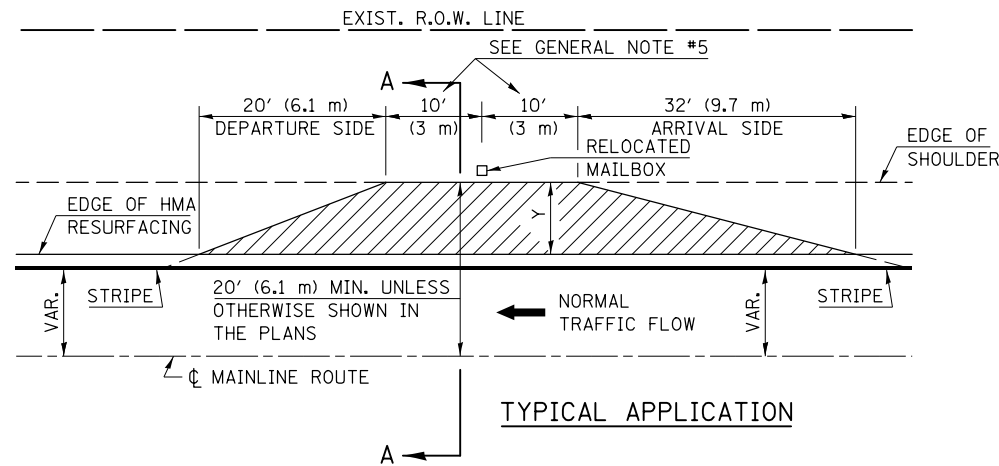


## GENERAL NOTES

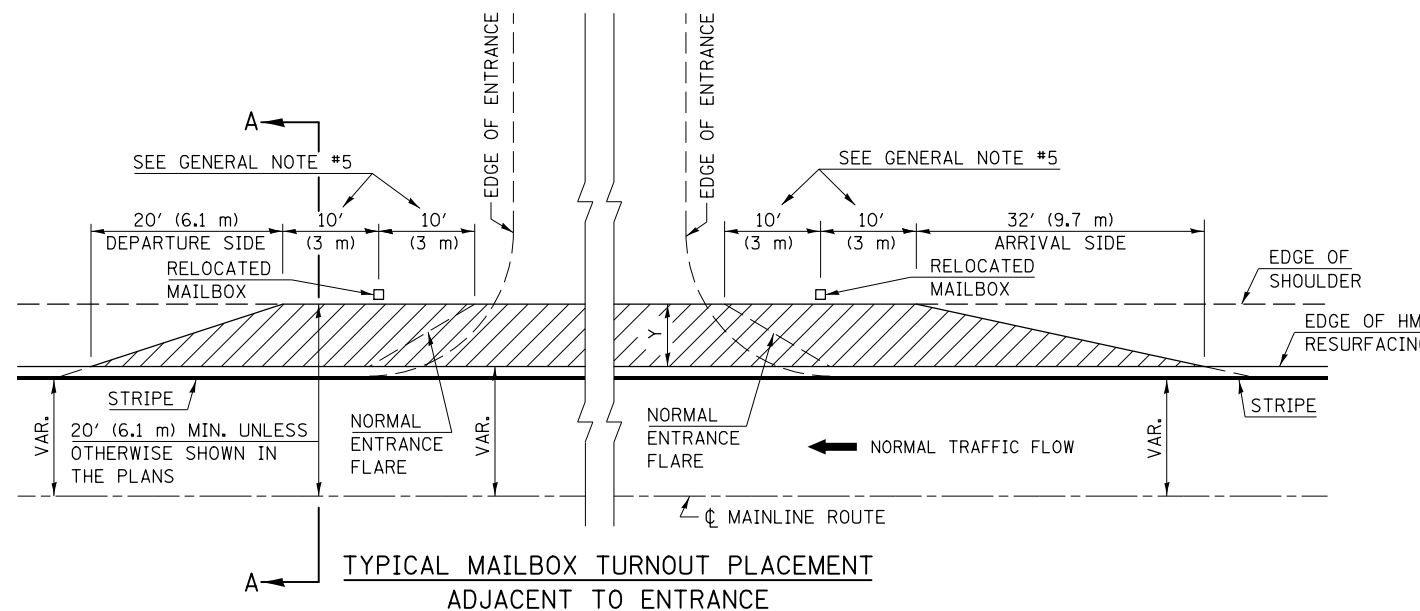
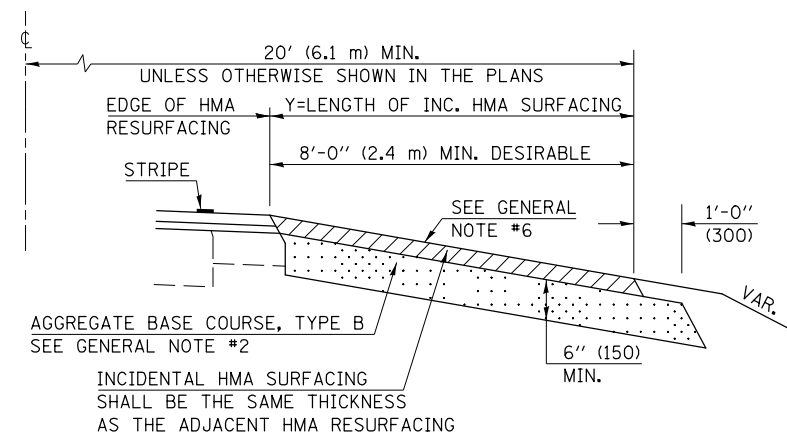
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1 1/2") DESIRABLE; MAXIMUM 8% (1 1/2")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

# PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



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

DESIGNER NOTE: SEE HIGHWAY STANDARD 406201

FILE NAME =	USER NAME = monjardnrrt	DESIGNED -	REVISED - 12/06 TJB
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057095\DRAWING\CADsheets\PAGE 23 40800050B		DRAWN -	REVISED - 09/07 KAG
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

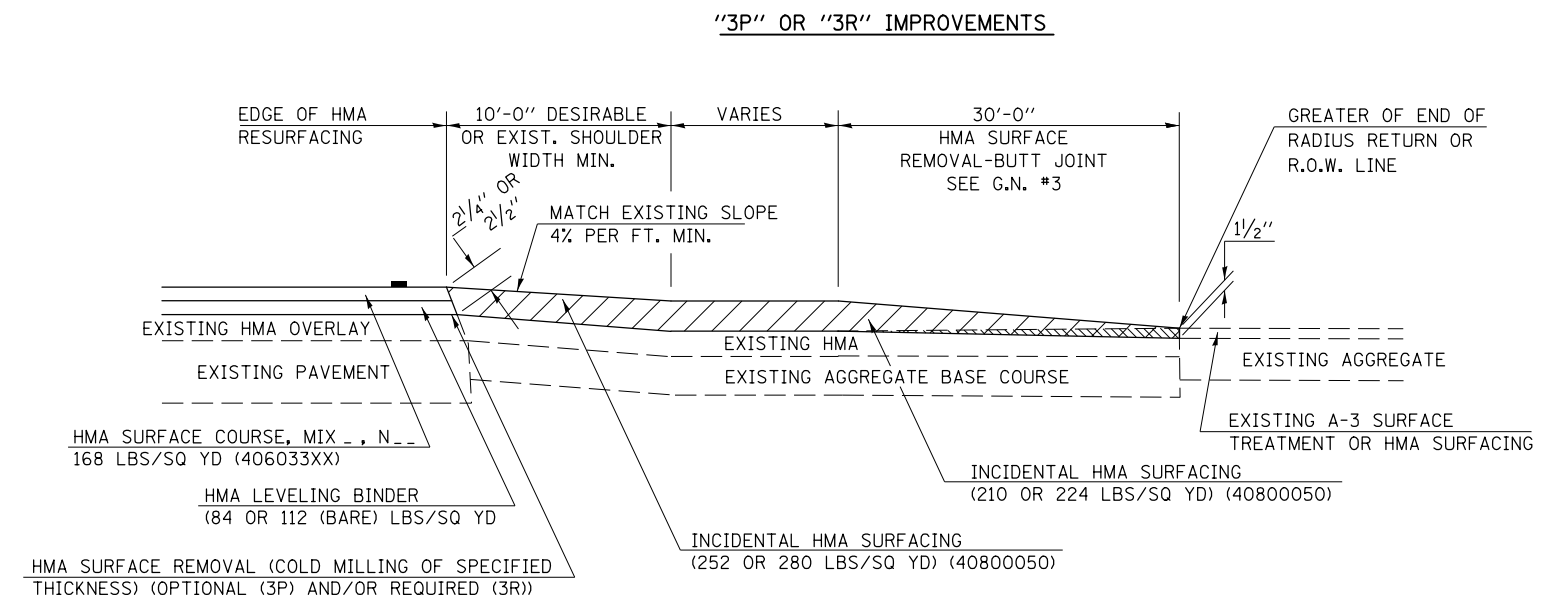
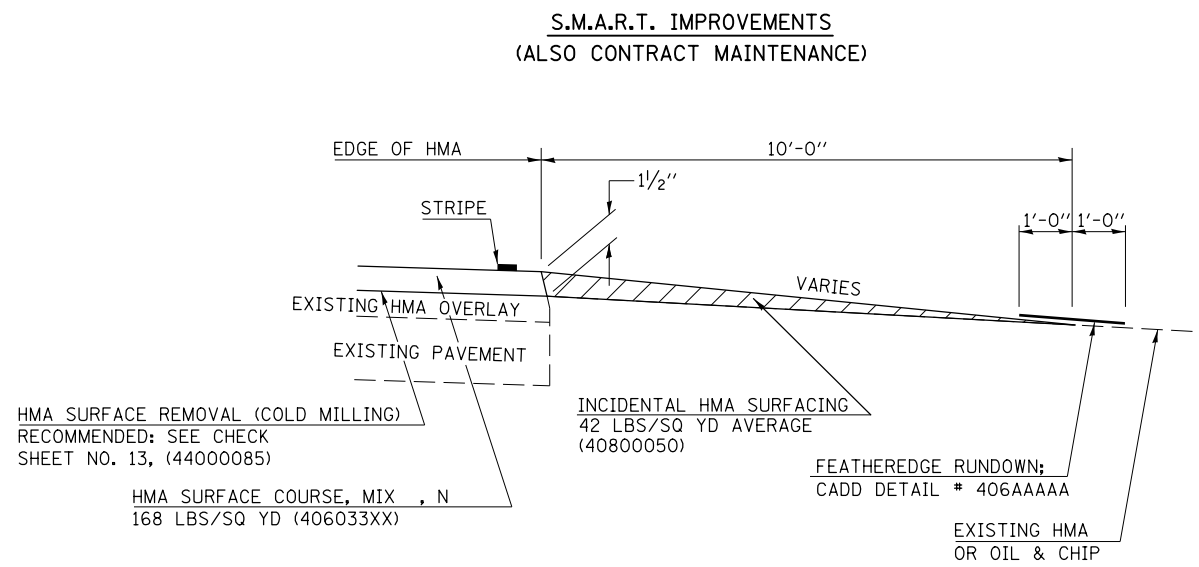
MAILBOX TURNOUT (RURAL)

SCALE: SHEET OF SHEETS STA. TO STA.

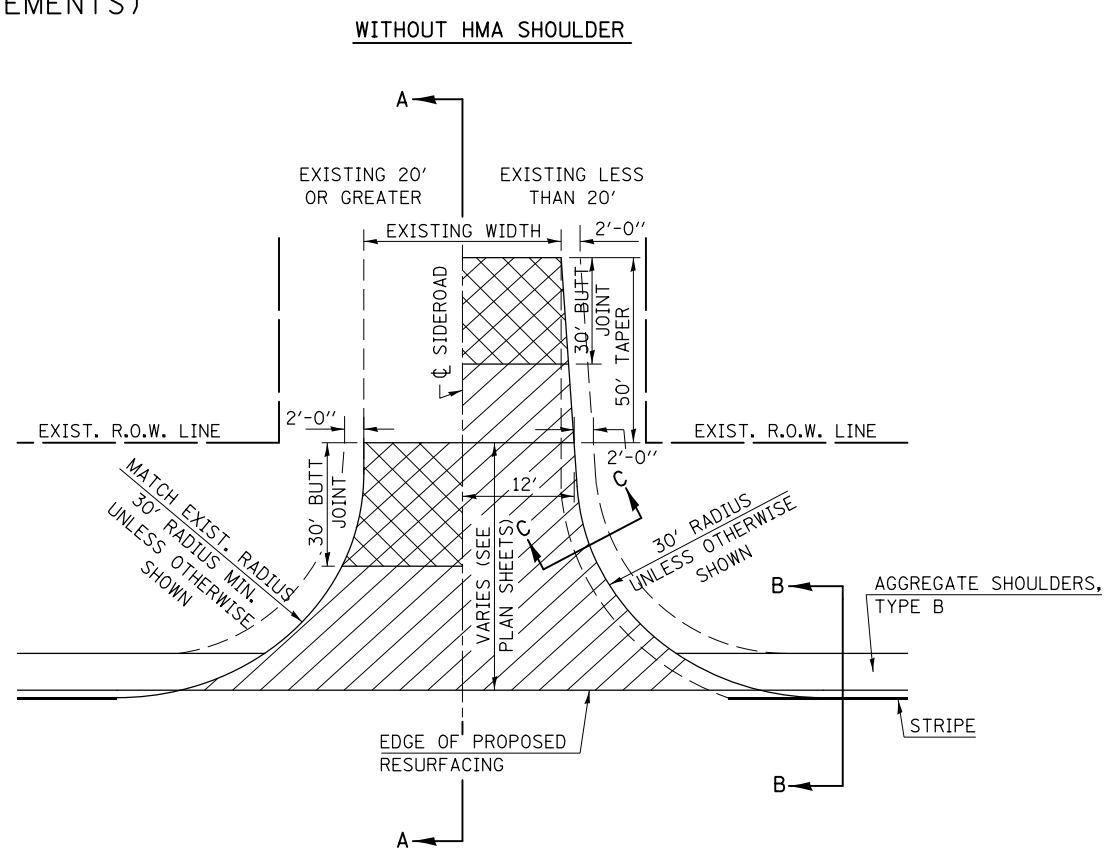
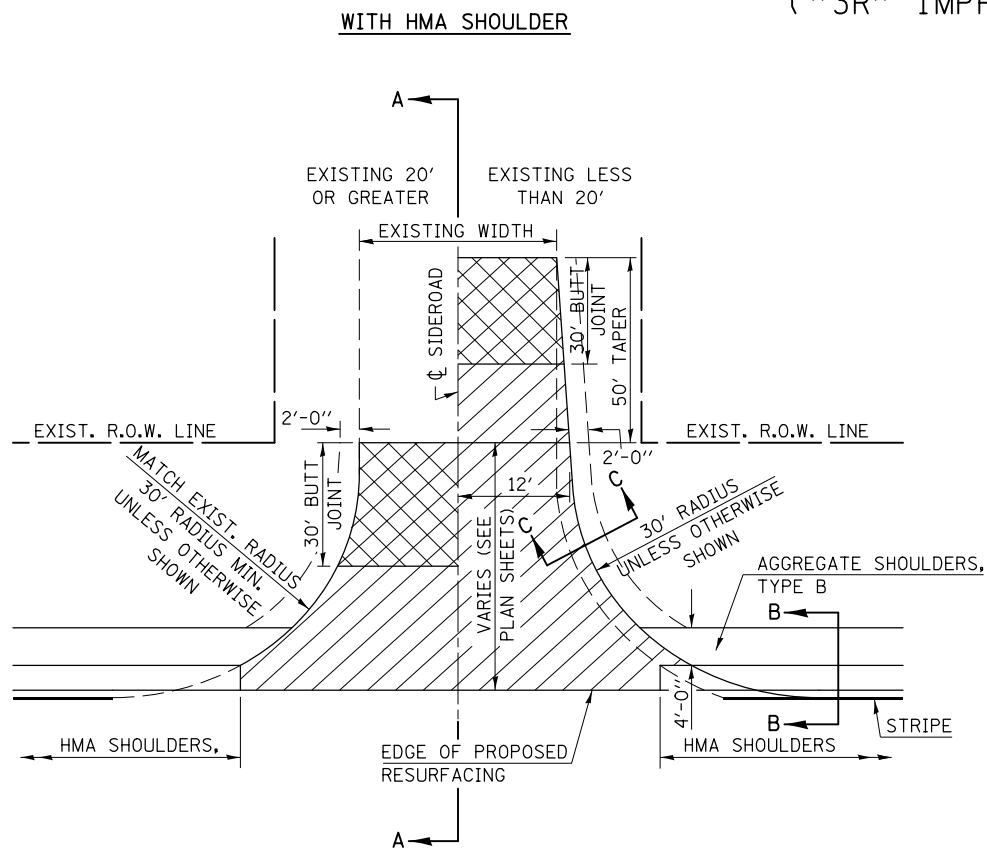
DISTRICT 5 DETAIL NO. 40800050B

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	23
CONTRACT NO. 70952			ILLINOIS FED. AID PROJECT	

# PROJECTS WITHOUT RECONSTRUCTION



# PROJECTS WITH RECONSTRUCTION ( "3R" IMPROVEMENTS )



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 12/06 TJB
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057095\Drawings\CAD sheets\PAGE 24 TO 25 40800050		DRAWN -	REVISED - 09/07 KAG
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 12/09 KJT
	PLOT DATE = 6/1/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

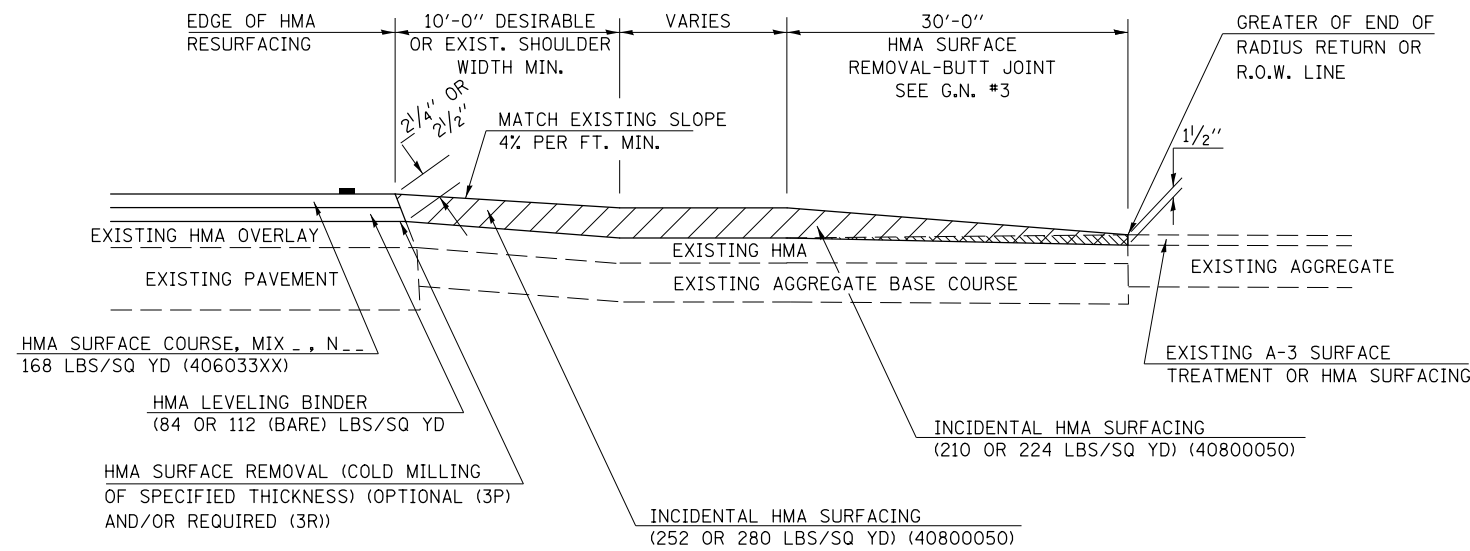
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 40800AA				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	24
CONTRACT NO. 70952			ILLINOIS FED. AID PROJECT	

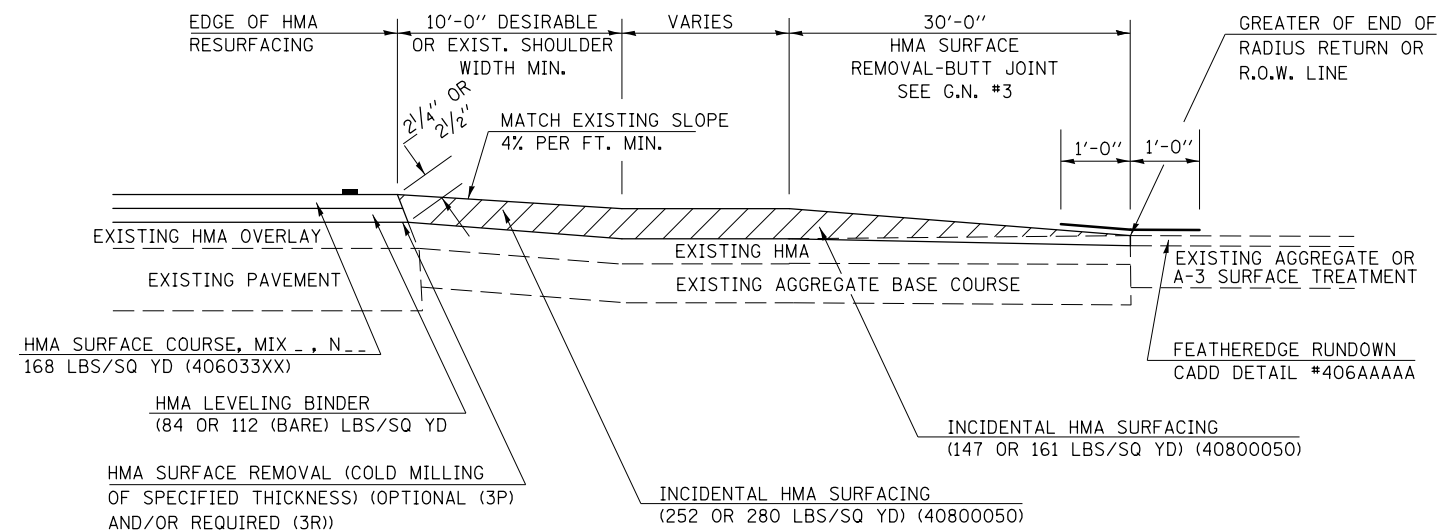


DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-06 CONSULT CHAPTER 49 OF BDE MANUAL

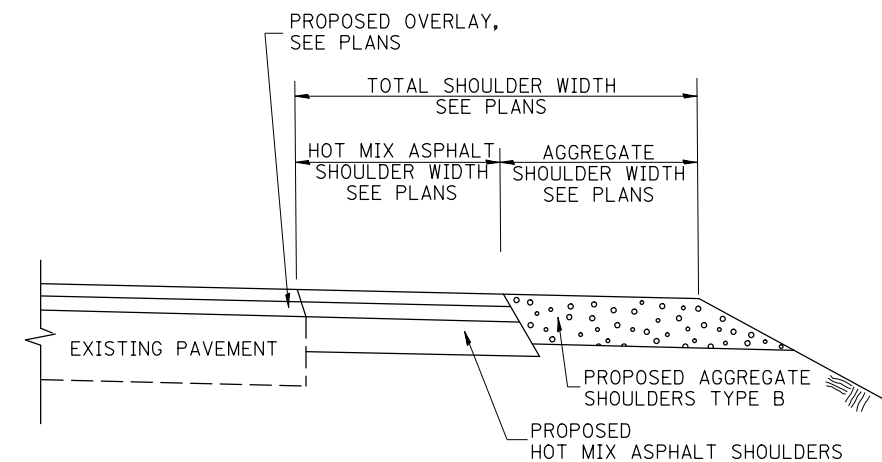
**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



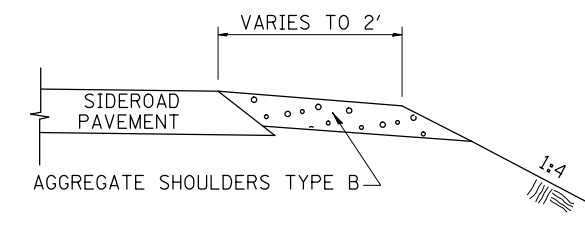
**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
<b>SURFACE TYPE</b>									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



**SECTION B-B**  
MAINLINE SHOULDER TREATMENT



**SECTION C-C**  
SIDEROAD SHOULDER TREATMENT

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

**DISTRICT 5 DETAIL NO. 408000AA**

FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 12/06 TJB
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570952\Drawings\CAD\Sheets\PAGE 24 TO 25 408000AA		DRAWN -	REVISED - 09/07 KAG
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 12/09 KJT
	PLOT DATE = 6/1/2019	DATE -	REVISED -

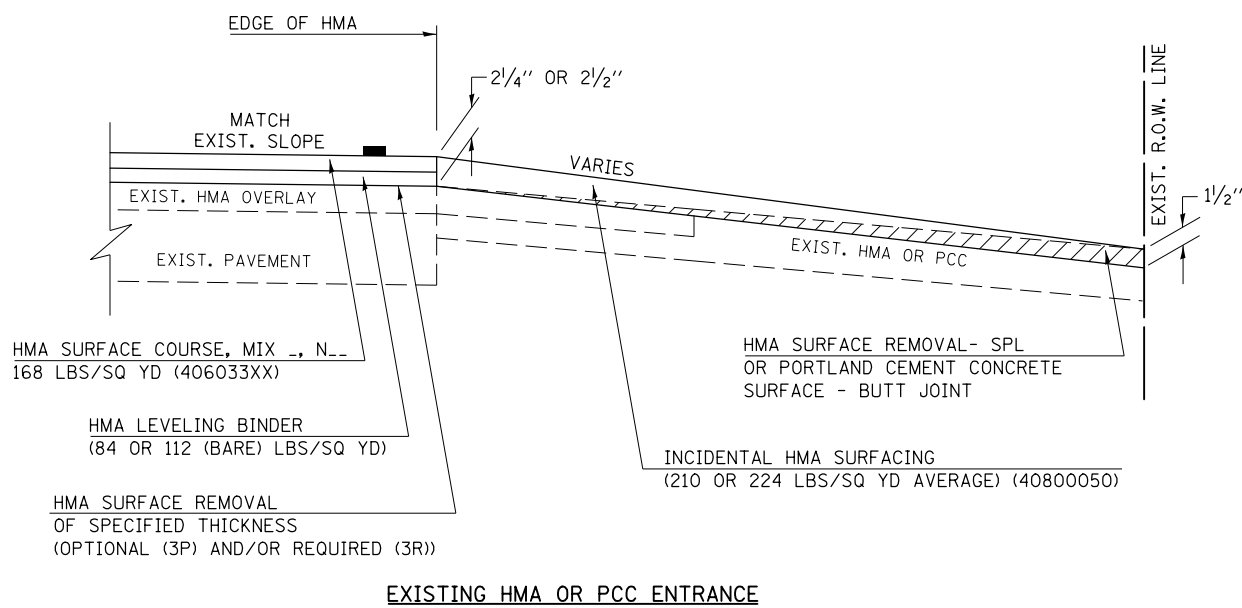
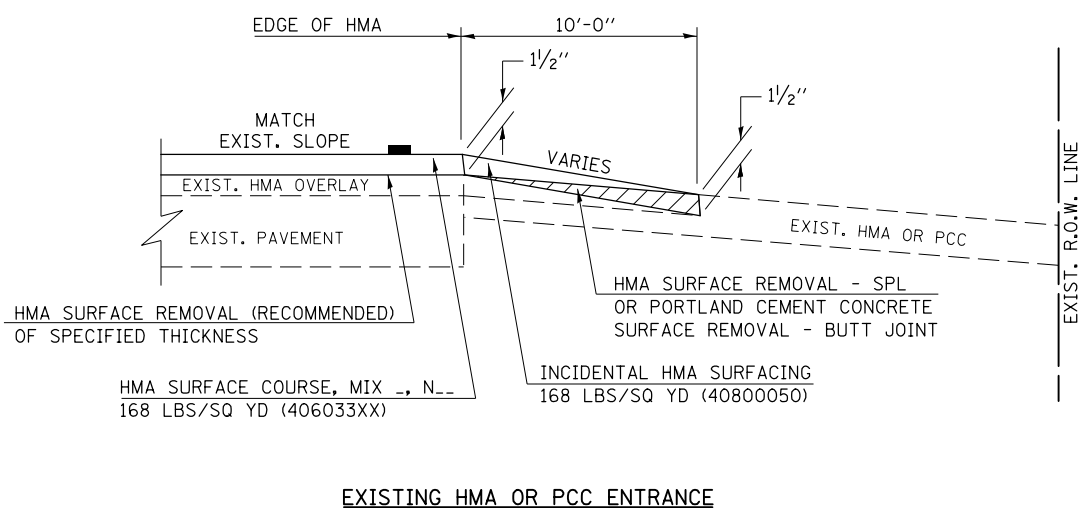
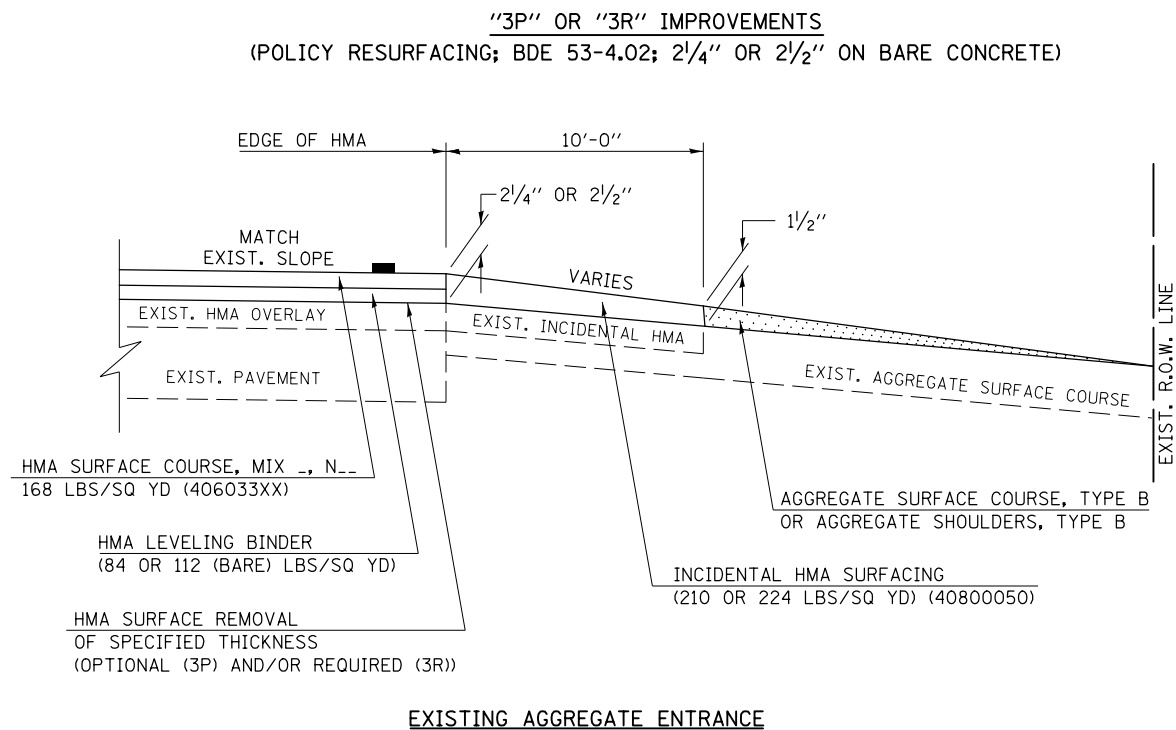
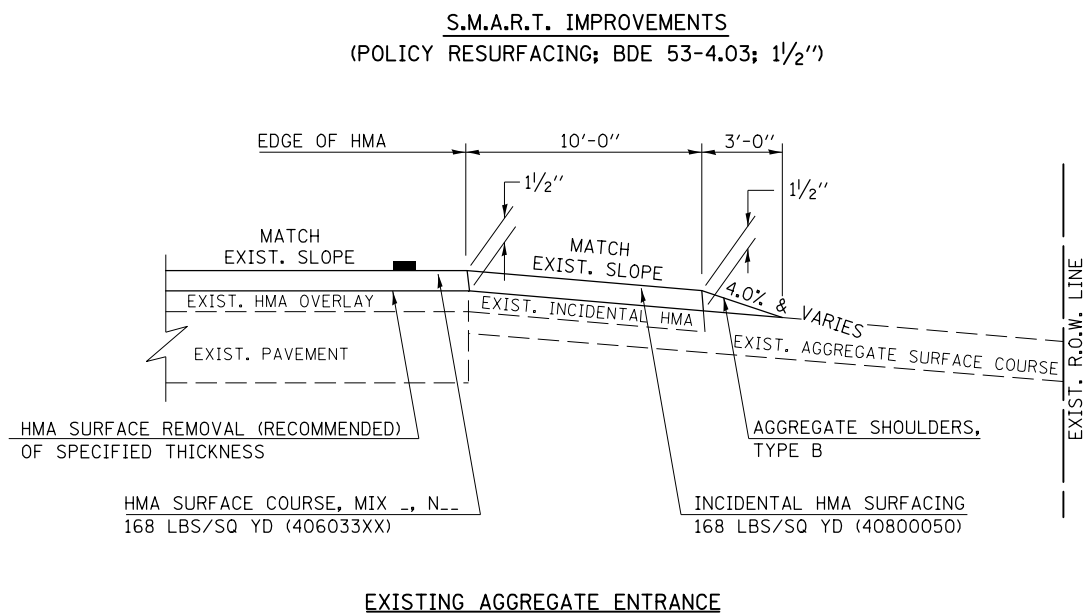
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEROADS & SIDESTREETS (RURAL)**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	25
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**PROJECTS WITHOUT RECONSTRUCTION**



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

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 09/07 KAG
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057095\52\Drawings\CAD\Sheets\PAGE 26 TO 27 40800050		DRAWN -	REVISED - 05/08 KJT
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/10 KJT
	PLOT DATE = 6/1/2019	DATE -	REVISED - 3/6/17 SWN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRIVATE AND COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

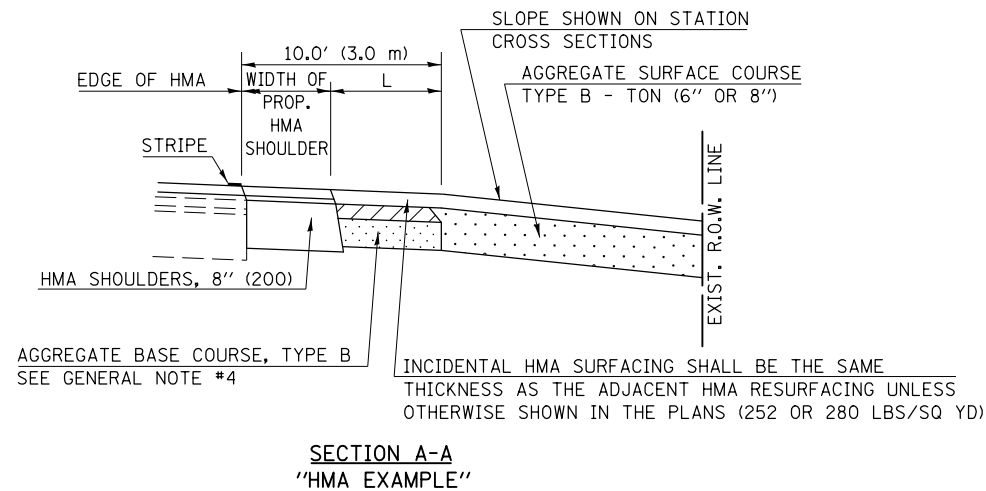
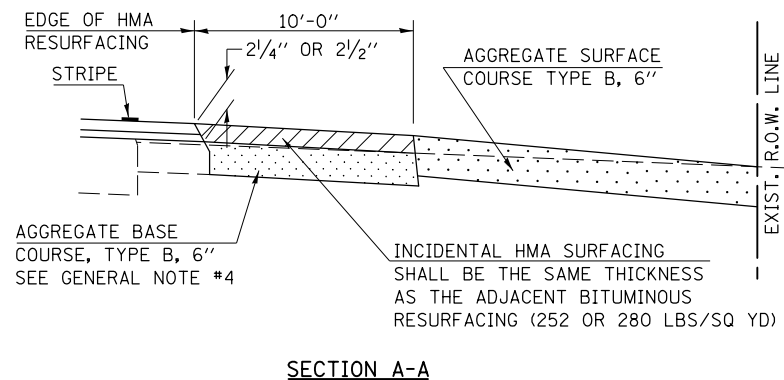
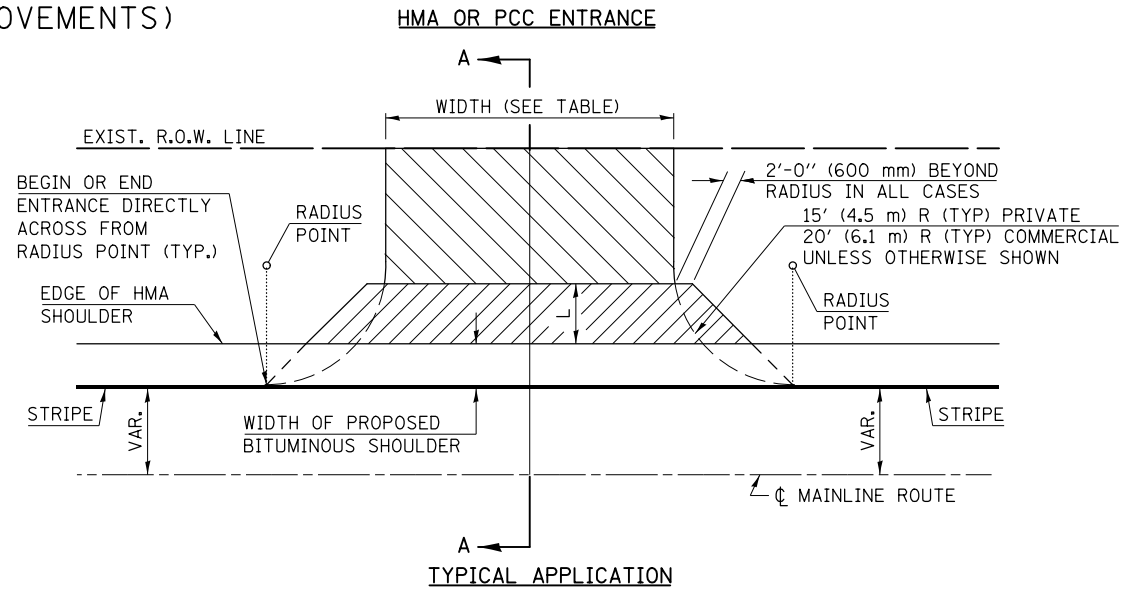
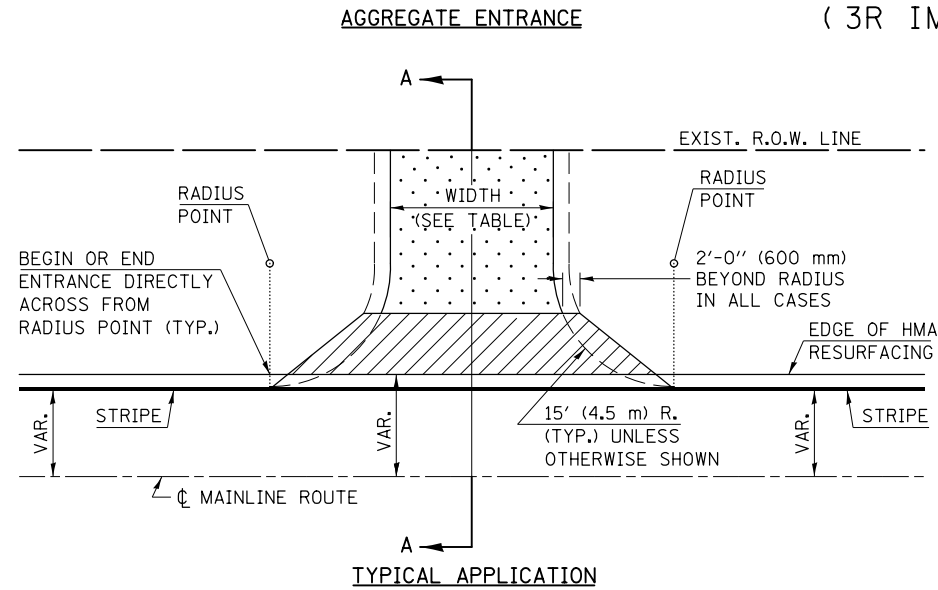
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

<b>DISTRICT 5 DETAIL NO. 40800050C</b>				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	26
			CONTRACT NO. 70952	
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

## PROJECTS WITH RECONSTRUCTION

( 3R IMPROVEMENTS )



### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL						NONCOMMERCIAL								
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12, 16, 24, 24, 30						1 LANE, 1 WAY			resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
							14, 16, 24								
RADIUS (FT)	15, 25, 40, 30, 30						2 LANE, 2 WAY								
							24, 30, 35								
SHOULDER WIDTH (FT)	2, 2, 4, 4						1, 3, 6								
SHOULDER SLOPE (%)	2, 4, 6						2, 4, 6								
ENTRANCE GRADE (%)	0, 2 to 5, 10 or 12, 2 to 5, 10 or 12						0, 2 to 5, 8 or 10								
SIDE SLOPE (FT)	1:10, 1:6, 1:4, 1:6, 1:4						1:10, 1:6, 1:4								
<b>SURFACE TYPE</b>															
INCIDENTAL HMA SURFACING (INCH)	2						3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6						8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)	6									6 or 8					

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

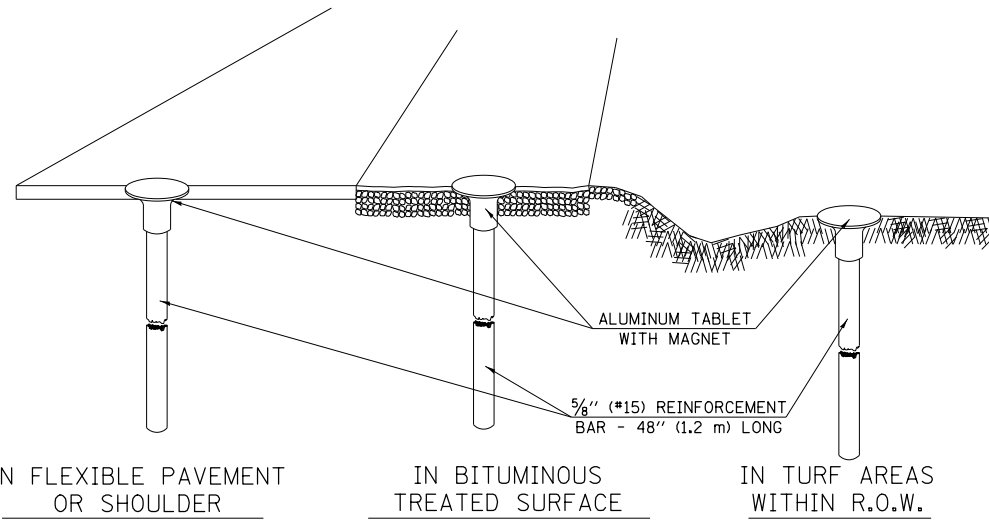
### DISTRICT 5 DETAIL NO. 4080050C

FILE NAME =	USER NAME = monjardnrrt	DESIGNED -	REVISED - 09/07 KAG	<b>STATE OF ILLINOIS</b>	<b>PRIVATE AND COMMERCIAL ENTRANCES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570952\Drawings\CAD sheets\PAGE 26 TO 27 4080050C		DRAWN -	REVISED - 05/08 KJT	<b>DEPARTMENT OF TRANSPORTATION</b>	<b>(NONCOMMERCIAL AND COMMERCIAL RURAL)</b>	502	(106,86)RS-1	CHAMPAIGN	32	27
*MODELNAME*	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/10 KJT			CONTRACT NO. 70952		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 6/1/2019	DATE -	REVISED - 3/6/17 SWN		SCALE:	SHEET 2 OF 2 SHEETS		STA. TO STA.		

DESIGNER NOTE: BDE 58-8-02 "PLACE MARKERS AT THE PT'S AND PC'S OF ALL HORIZONTAL CURVES AND SPACE THEM ALONG TANGENTS SO THAT TWO MARKERS ARE ALWAYS INTERVISIBLE."

## 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

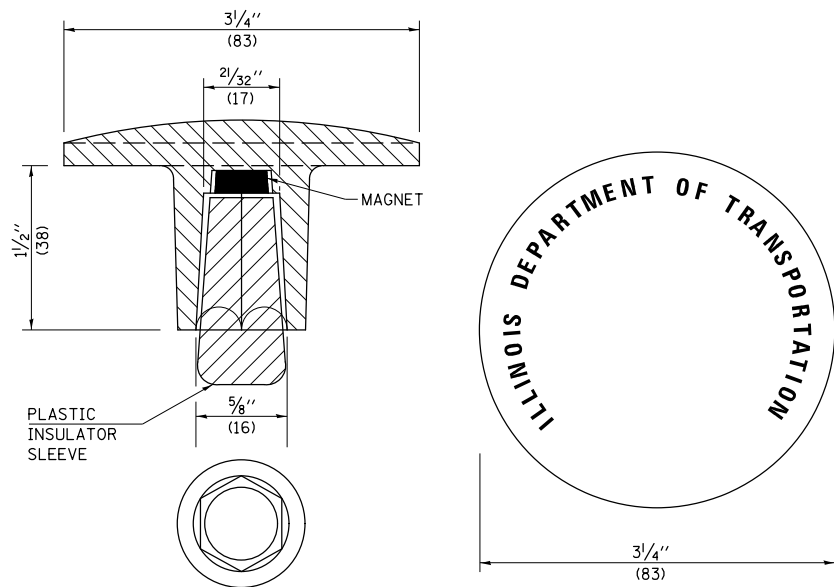
SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS 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 1/2" (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.



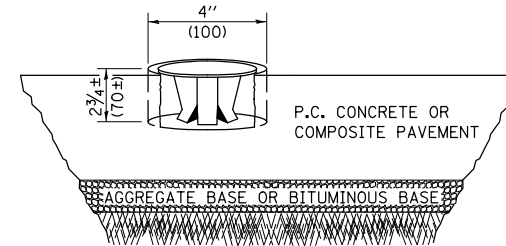
THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

### GENERAL NOTES

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

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

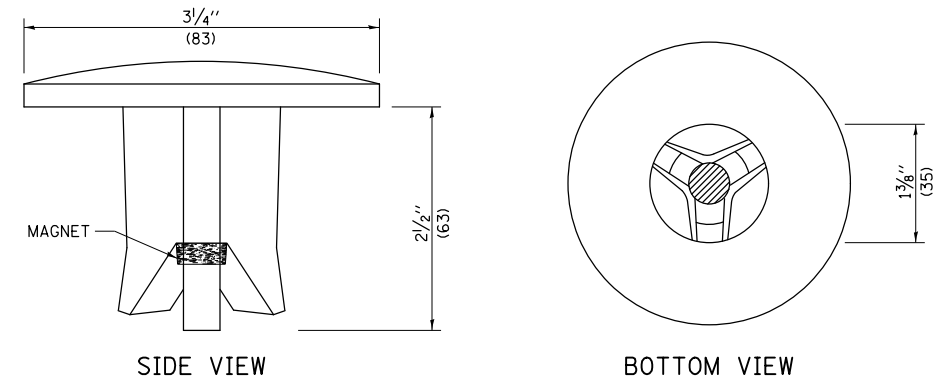
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



### SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

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

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



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

### GENERAL NOTES

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

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

FILE NAME =	USER NAME = monjardnrrt	DESIGNED -	REVISED - 11/06
p:\planroom\dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\057095\DRAWING\CADsheets\PAGE 28 XZ193400.dwg		DRAWN -	REVISED - 11/10
\$MODELNAME\$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/1/2019	DATE -	REVISED -

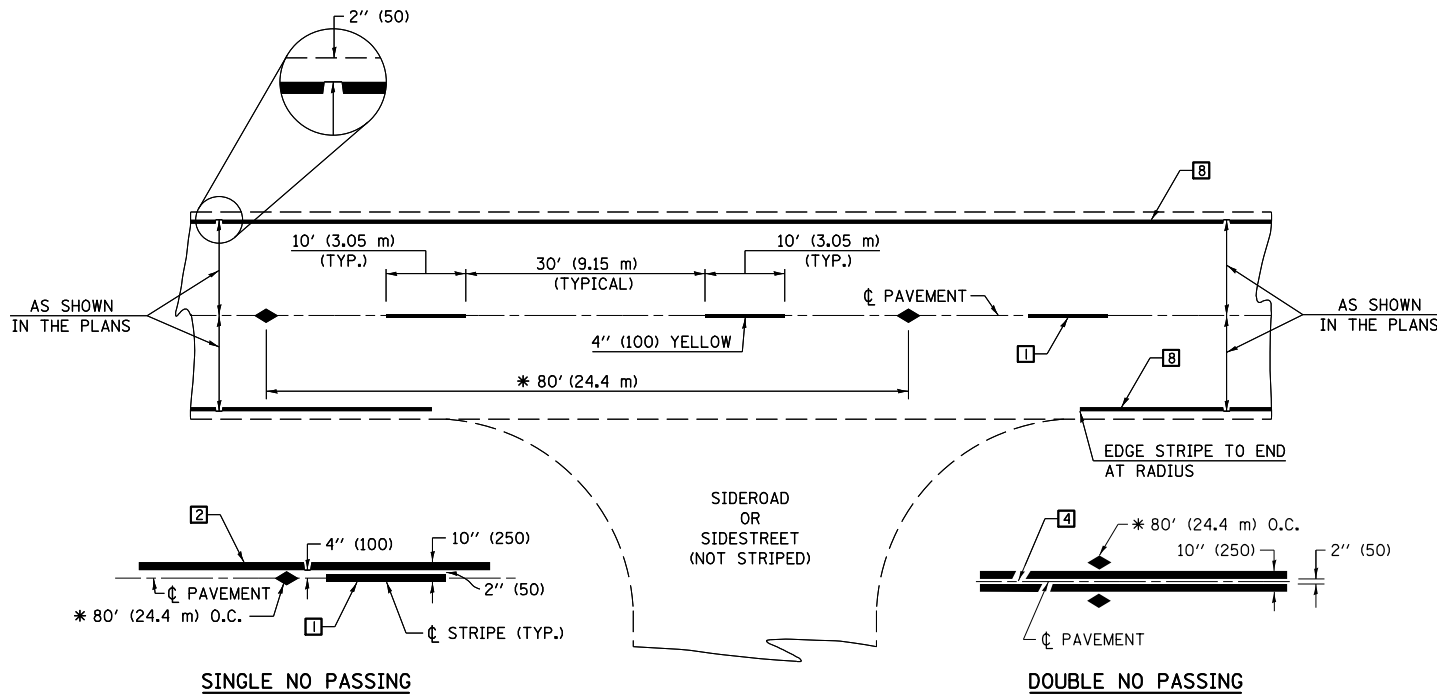
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. XZ193AAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	28
				CONTRACT NO. 70952
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**

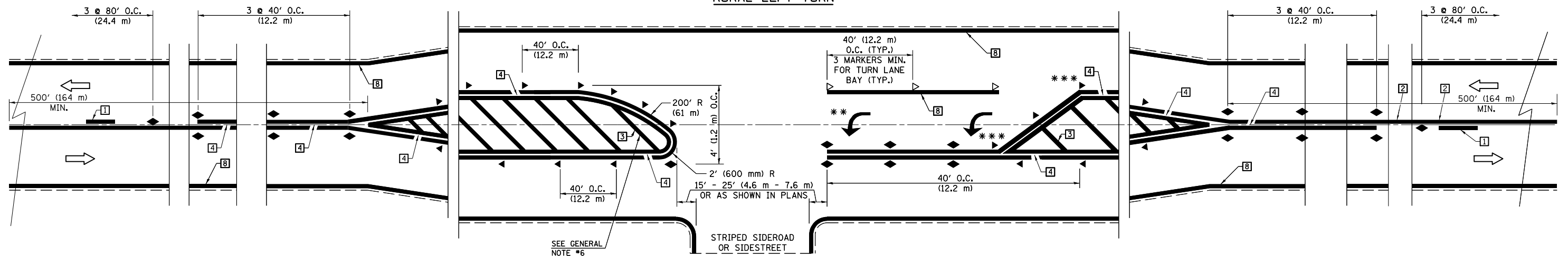
**TYPICAL PAVEMENT MARKING LEGEND**

- 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**

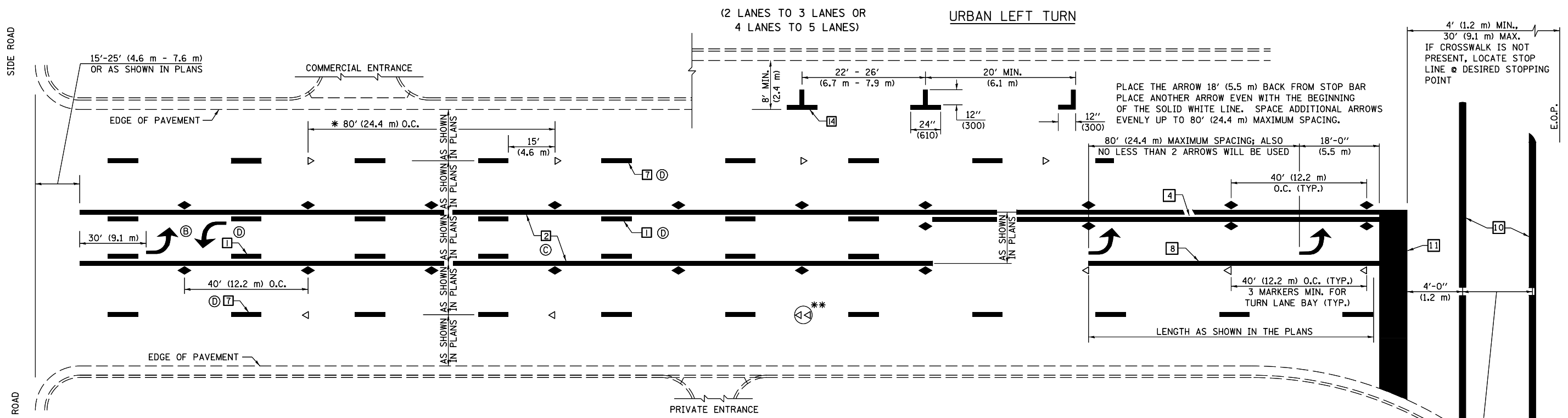
FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 11/06
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057800AAA\Drawings\CADsheets\PAGE 29 TO 32 7800AAA		DRAWN -	REVISED - 09/2009 - KJT
*MODELNAME*	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED - 04/14 - JLA
	PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	29
CONTRACT NO. 70952				
ILLINOIS FED. AID PROJECT				

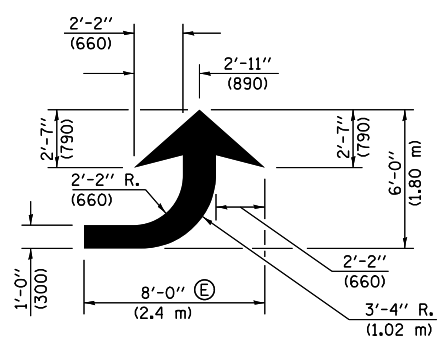


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

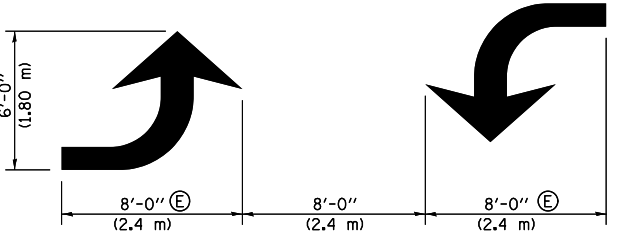
**GENERAL NOTES:**

- ⓑ 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)



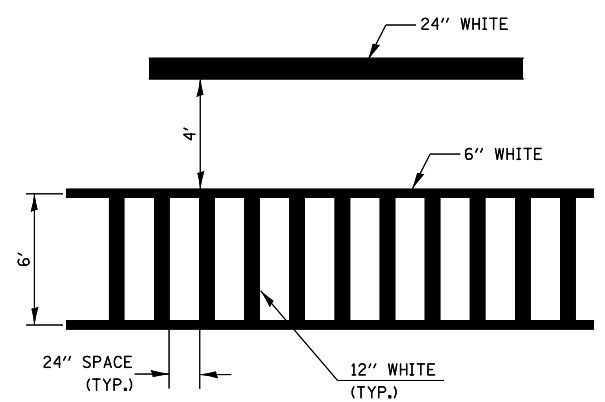
**LEFT ARROW**

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

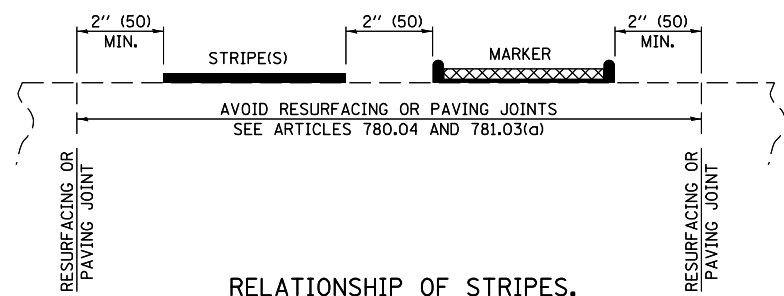


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

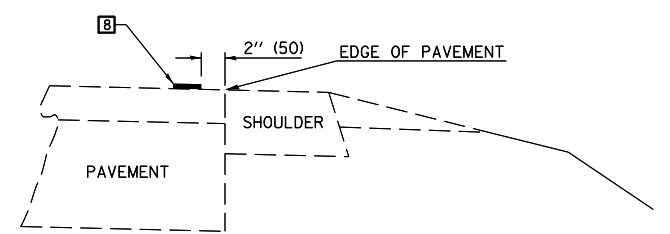
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**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**

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

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

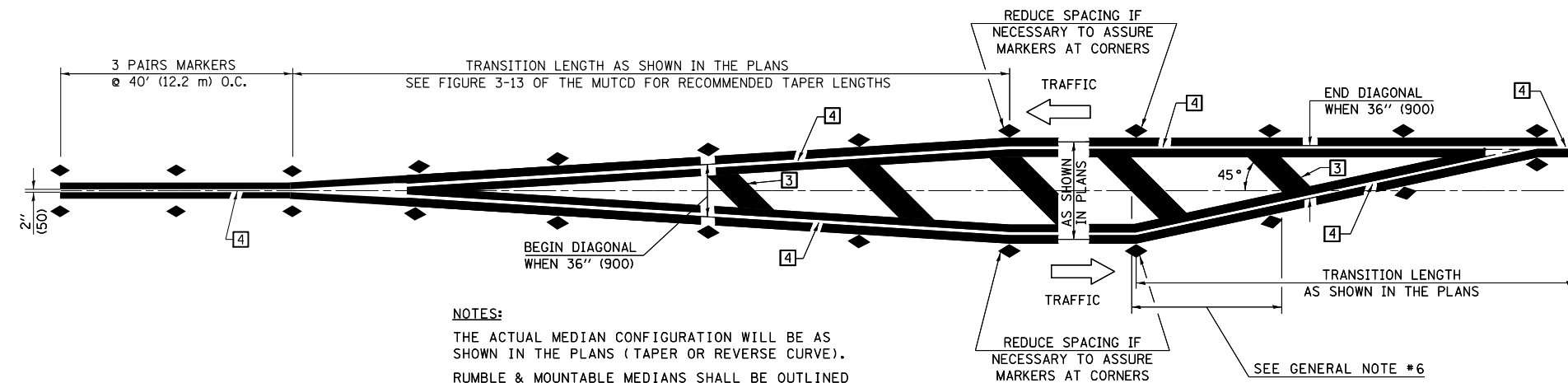
FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 11/06
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0578952\Drawings\CADsheets\PAGE 29 TO 32 7800AA		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/14 - JLA
*MODELNAME*	PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

<b>DISTRICT 5 DETAIL NO. 7800AAA</b>				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	30
			CONTRACT NO. 70952	
ILLINOIS FED. AID PROJECT				

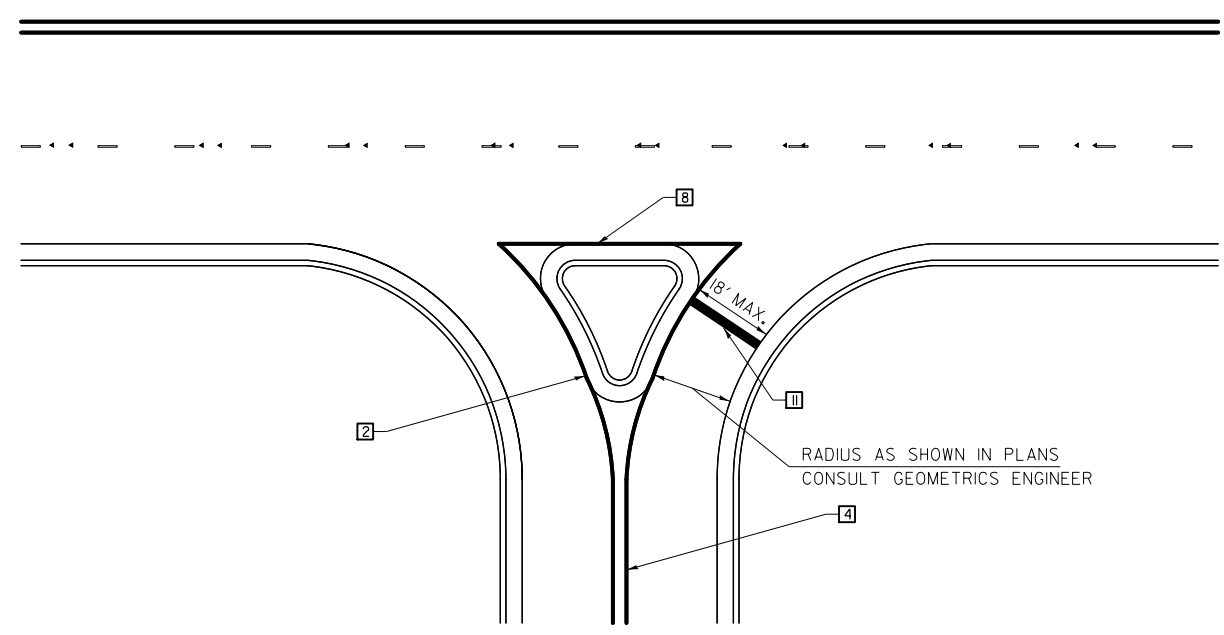


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

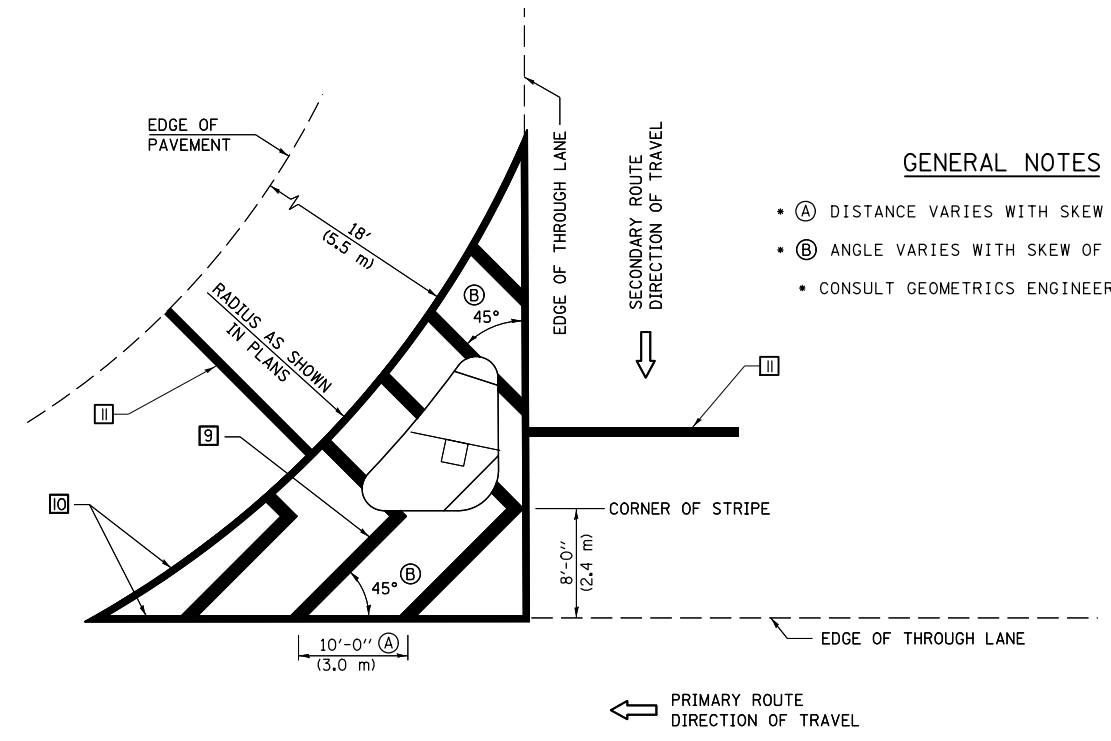
**TYPICAL MEDIAN TRANSITIONS**

**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 = monjardnrt	DESIGNED -	REVISED - 11/06
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057095\52\Drawings\CADsheets\PAGE 29 TO 32 7800AAA		DRAWN -	REVISED - 09/2009 - KJT
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/14 - JLA
	PLOT DATE = 6/1/2019	DATE -	REVISED -

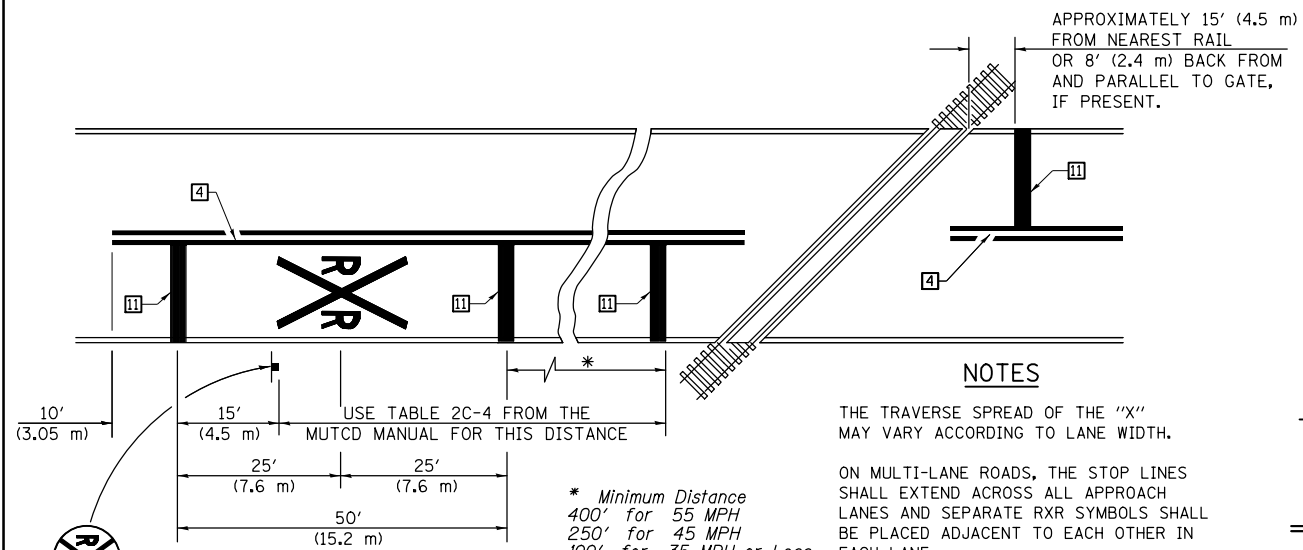
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	31
			CONTRACT NO. 70952	
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**

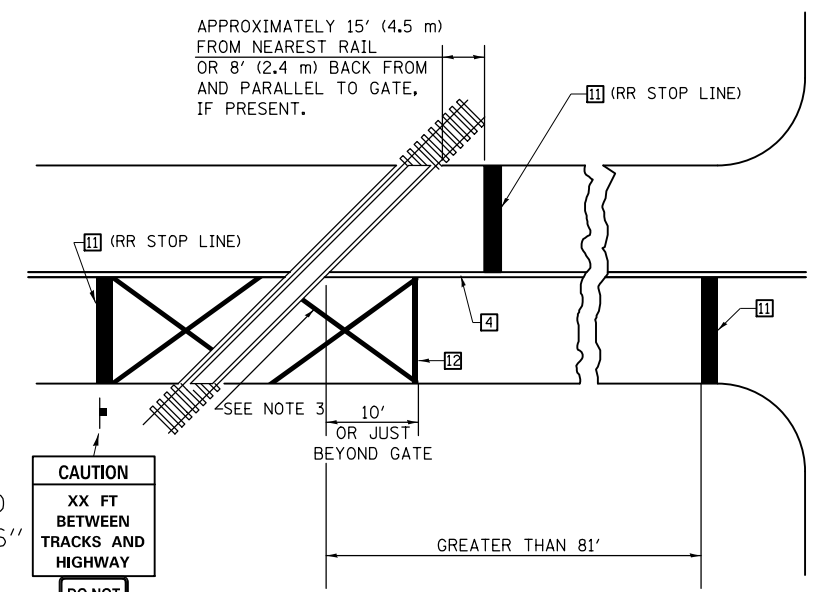
**NOTES**

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

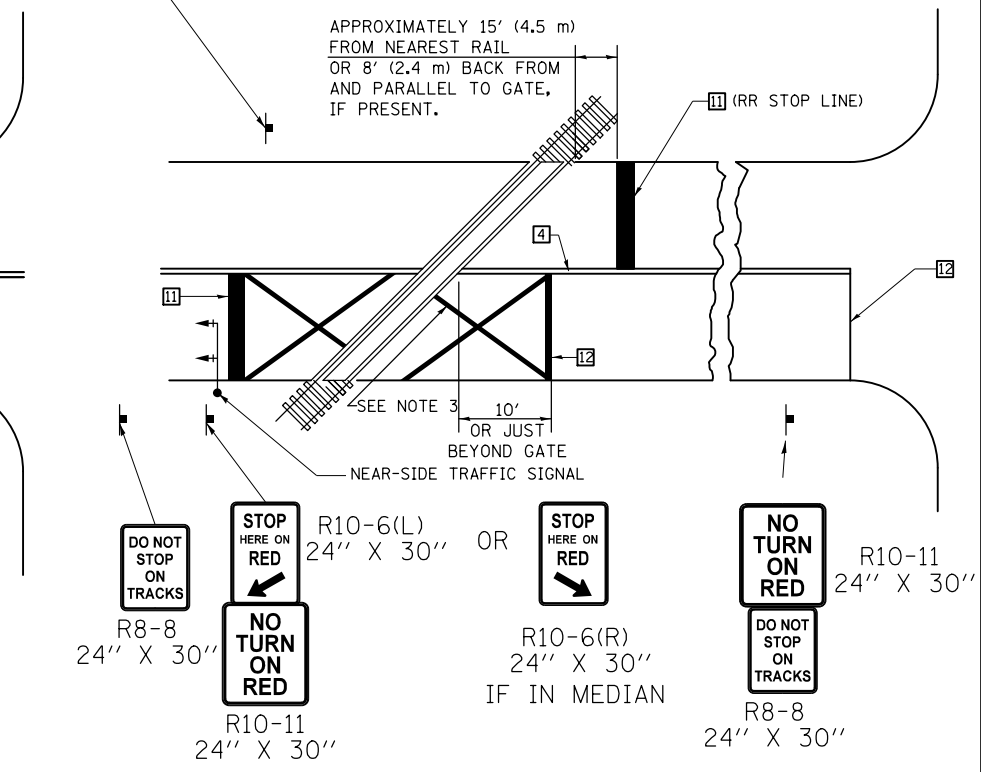
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

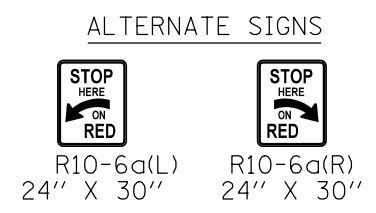
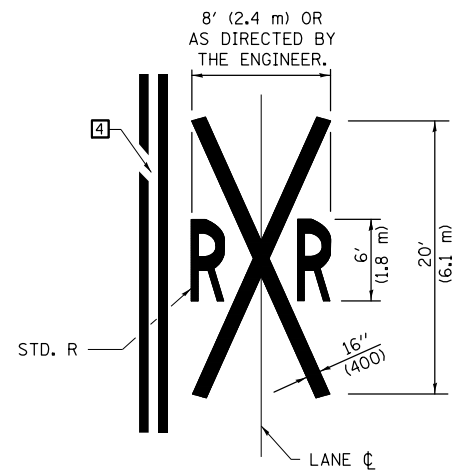
**RAILROAD CROSSING WITH INTERCONNECT ONLY**



**RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS**



**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.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

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

FILE NAME =	USER NAME = monjardnrt	DESIGNED -	REVISED - 11/06
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0570952\Drawings\CADsheets\PAGE 29 TO 32 7800A		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/14 - JLA
*MODELNAME*	PLOT DATE = 6/1/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
502	(106,86)RS-1	CHAMPAIGN	32	32
				CONTRACT NO. 70952
ILLINOIS FED. AID PROJECT				