

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 693 (IL 9)
SECTION (FR)RS-1

RESURFACING (3P)
MCLEAN COUNTY

C-95-014-10

ROYAL POINTE DR TO E OF TOWANDA-BARNES RD IN BLOOMINGTON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	1
		ILLINOIS	CONTRACT NO. 70787	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-9

CURRENT TRAFFIC DATA

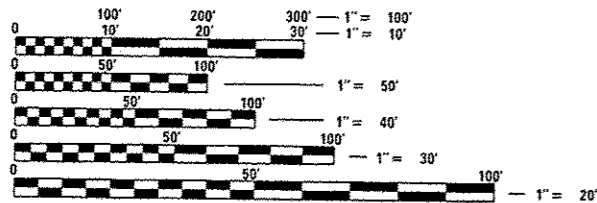
FAP ROUTE 693 (IL 9)

	LEG "A"	LEG "B"	LEG "C"
2012 ADT =	17,700	15,400	3,750
2022 ADT =	21,100	18,500	4,100
2032 ADT =	24,400	21,600	4,500
DHV	2,155	2,280	445
P.U. & P.C. %	95.8	96.5	93.4
SU %	3.1	2.3	3.4
MU %	1.1	1.2	3.2

Leg "A" is from Royal Point Dr. to Airport Rd.
Leg "B" is from Airport Rd. to Towanda-Barnes Bd.
Leg "C" is East of Towanda-Barnes.

DESIGN DESIGNATION

OTHER PRINCIPAL ARTERIAL

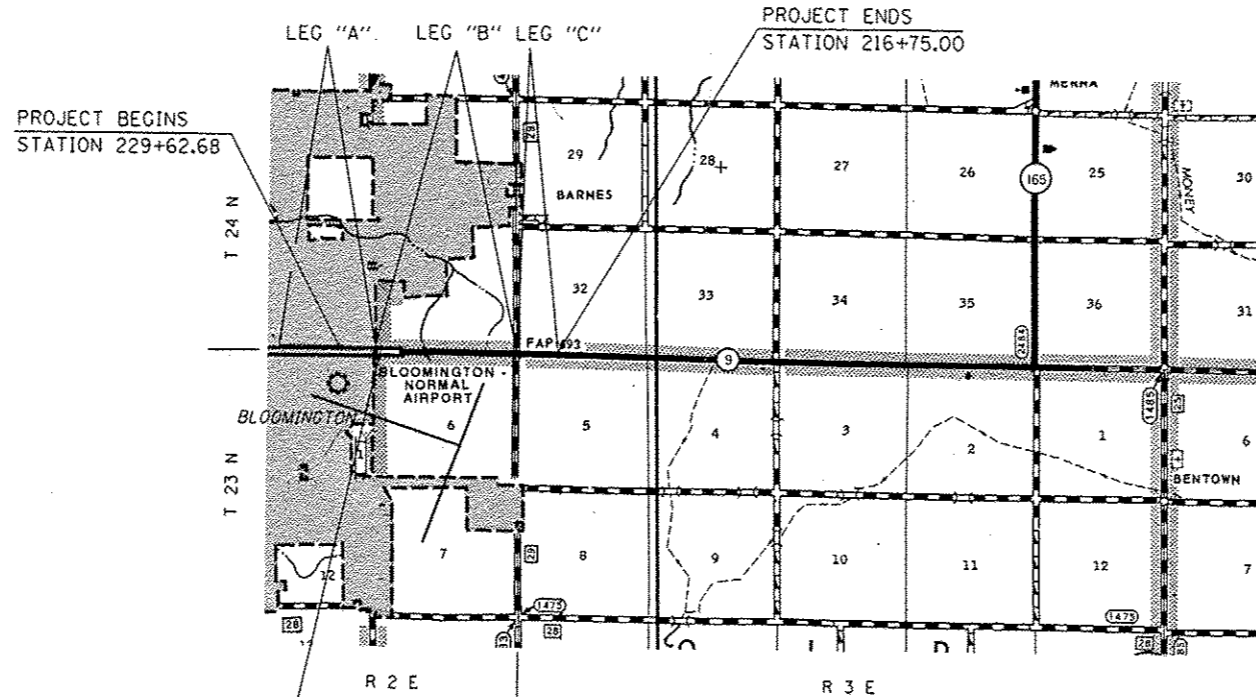


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

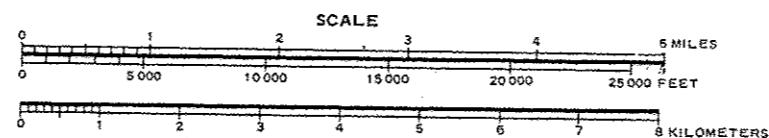
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811 TOWNSHIPS: TOWANDA, OLD TOWN

PROJECT ENGINEER: JASON STULTS
SQUAD LEADER: RYAN CARROLL
DESIGNER: AVOREE GORE
(217)465-4181

CONTRACT NO. 70787



STATION EQUATION
250+00.00 (BK) =
150+56.32 (AH)



GROSS LENGTH OF PROJECT = 8,706.00 FT. = 1.649 MILES
NET LENGTH OF PROJECT = 8,706.00 FT. = 1.649 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 12, 2014

Jason Stults
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

John D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

Ernest Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	TIE POINT LAYOUTS
6-9	SUMMARY OF QUANTITIES
10-19	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
20-30	SCHEDULES OF QUANTITIES
31-38	PAVEMENT MARKING PLAN SHEETS
39	INCIDENTAL HMA RESURFACING
40-42	DITCH PROTECTION PLAN
43-48	PLAN DETAILS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
442201-03	CLASS C AND D PATCHES
667101-02	PERMANENT SURVEY MARKERS
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \geq 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

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

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

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

G.N. - 406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N. - 406H
MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT :

LOCATION	IL 9	IL 9	IL 9	IL 9	IL 9
Mixture Use	Polymer Fine Graded Level Binder	Polymer Surface	HMA Shoulder	Incidental	Class D Patch
AC/PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	10	10	*	*	*
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=30	4.0% @ Ndes=50	4.0% @ Ndes=90
Mix Comp (Gradation)	IL 9.5 FG	IL 9.5	IL 9.5L	IL 9.5	IL 19.0 FG
Friction Aggregate	Mix C	Mix D	Mix C	Mix C	Mix C

*See RAP/RAS BDE Special Provision

G.N. 408B
THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED.

AT THE FOLLOWING LOCATIONS :

CARNAHAN DRIVE
AIRPORT ROAD (CH 22)
TRINITY LANE
TOWANDA BARNES ROAD (CH 29)

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. - 482
ALL MATERIAL PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 - 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION SHOULDER MIXES AND OTHER MIXES (BOTTOM LIFT OF SHOULDERS). THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L MIXES AND OTHER MIXES USING STANDARD CORRELATION PROCEDURES.

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 (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).

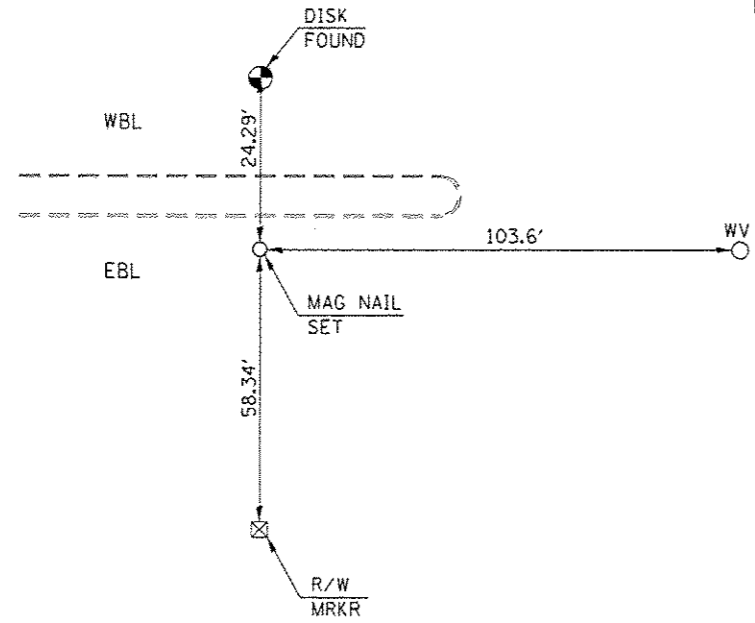
G.N. - 873
EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THAT RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER VIA THE COORESPONDING EXISTING LEAD-IN CABLE.

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

FILE NAME *	USER NAME * gorsea	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE * 40,0000 1/ in.	CHECKED -	REVISED -	SCALE:			SHEET 1	OF 1	SHEETS	STA.	TO STA.
MODELNAME*	PLOT DATE * 6/13/2014	DATE -	REVISED -			CONTRACT NO. 70787 ILLINOIS FED. AID PROJECT				

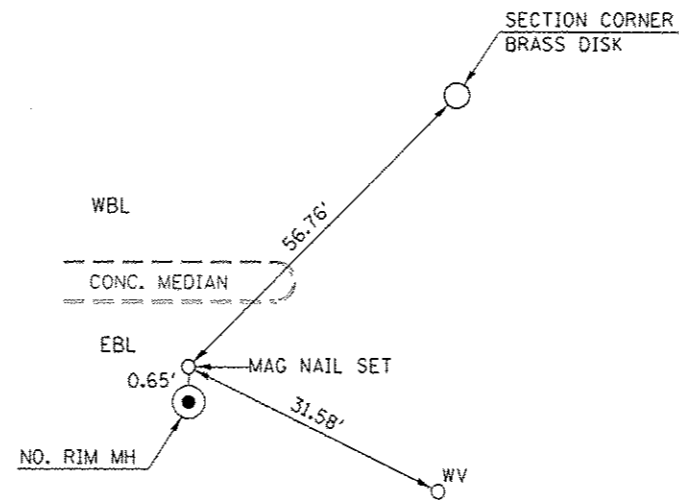
P.C. STA. 239+70.25

MAG NAIL



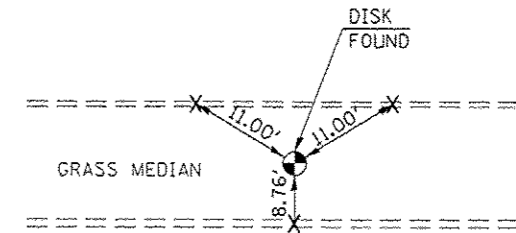
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MAG NAIL



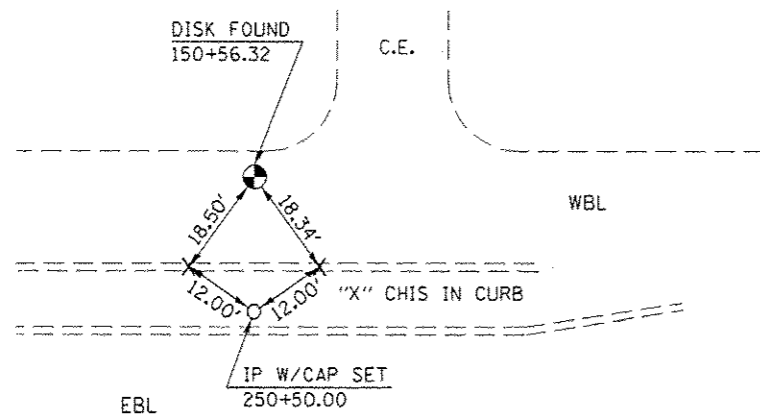
P.T. #24 STA. 247+69.59

DISK



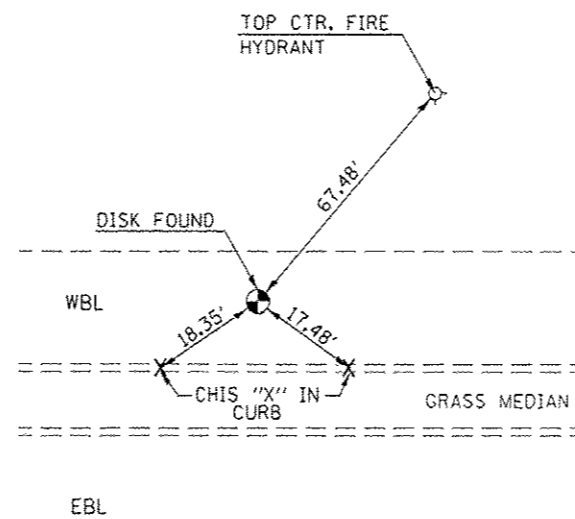
P.O.T. #29 STA. 250+50.00
& P.O.T. #28 STA. 150+56.32

DISK



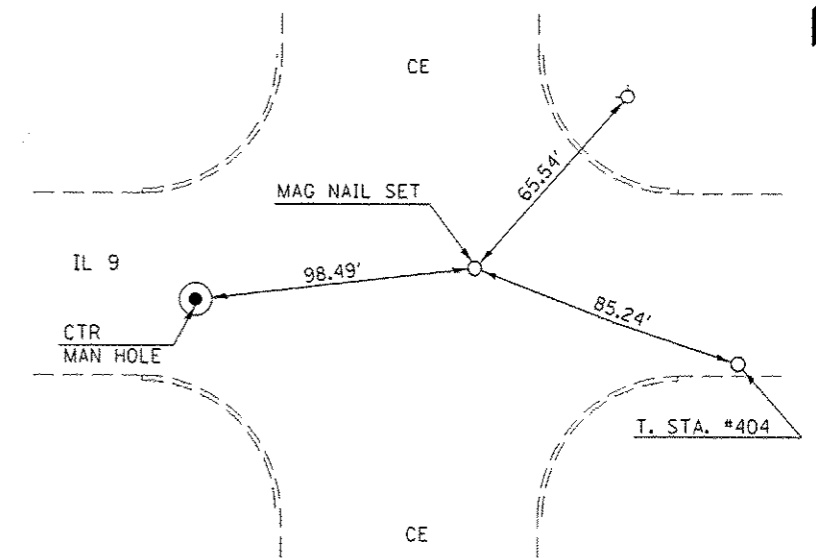
P.I. #26 STA. 174+49.70

DISK



P.I. #27 STA. 183+99.97

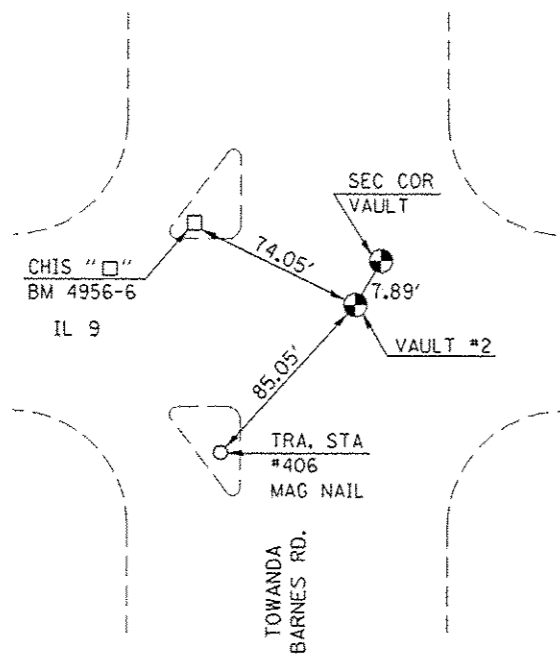
MAG NAIL



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PLOT SCALE = 48,0000 1/1 in.		CHECKED -	REVISED -				CONTRACT NO. 70787						
PLOT DATE = 6/13/2014		DATE -	REVISED -				ILLINOIS FED. AID PROJECT						
				SCALE: N/A		SHEET 1 OF 2 SHEETS		STA. TO STA.					

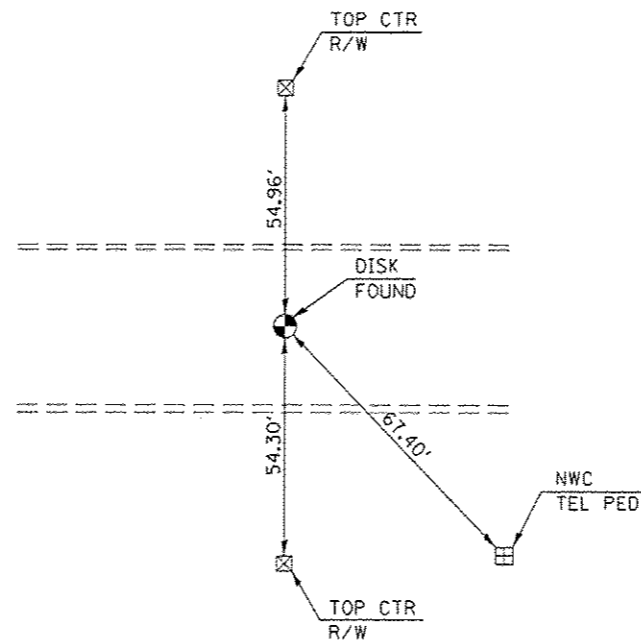
P.I. #2 STA. 204+00.00

VAULT



P.O.T. #1 STA. 241+99.80

DISK



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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
	PLOT SCALE = 42,0000' / 1" =		
	PLOT DATE = 6/13/2014		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINT LAYOUTS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FRRS-1)	MCLEAN	48	5
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION: FAP 693 (IL 9)
229+62.68 TO 216+75.00
URBAN MULTI-LANE

FUNDING BREAKOUT: 100% STATE
CONSTRUCTION CODE: 0005

CODE NO.	DESCRIPTION	UNIT	TOTAL
28100107	STONE RIPRAP, CLASS A4	SQ YD	283.0
28200200	FILTER FABRIC	SQ YD	283.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600909	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	3,106.0
40600990	TEMPORARY RAMP	SQ YD	1,902.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	4,659.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	175.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	15,537.0
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	55,460.0
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	362.0
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	195.0
44201863	CLASS D PATCHES, TYPE II, 18 INCH	SQ YD	98.0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	14,093.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	280.0

*SPECIALTY ITEM

FILE NAME : c:\p-work\p\dot\p\personb\0018149\057877-ahc-500.dgn	USER NAME : ppersonbr 057877-ahc-500.dgn	DESIGNED - ASC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 693	SECTION (FRIS-1)	COUNTY MCLEAN	TOTAL SHEETS 48	SHEET NO. 6
#MODELNAME	PLOT SCALE : 40.0000 / 1" = 40'	CHECKED -	REVISED -	SCALE:	SHEET 1 OF 4 SHEETS	CONTRACT NO. 70787		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION: FAP 693 (IL 9)
229+62.68 TO 216+75.00
URBAN MULTI-LANE

FUNDING BREAKOUT: 100% STATE
CONSTRUCTION CODE: 0005

CODE NO.	DESCRIPTION	UNIT	TOTAL
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,305.0
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5.0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.0
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1.0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,773.0
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1,154.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	45,244.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	890.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,174.0

*SPECIALTY ITEM

FILE NAME :	USER NAME : p1ersonbr	DESIGNED - ASC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\pr\work\p1\dot\p1ersonbr\0181149\057	787-ehc-500.dgn	DRAWN - RTC	REVISED -			693	(FRIS-1)	MCLEAN	46	7	
	PLOT SCALE : 48,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70878					
#MODELNAME#	PLOT DATE : 6/13/2014	DATE -	REVISED -			SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

LOCATION: FAP 693 (IL 9)
229+62.68 TO 216+75.00

URBAN MULTI-LANE

FUNDING BREAKOUT: 100% STATE

CONSTRUCTION CODE: 0005

CODE NO.	DESCRIPTION	UNIT	TOTAL
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	542.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,949.0
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,154.0
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	45,244.0
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	890.0
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,174.0
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	542.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	416.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	409.0
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3,049.0
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	45,361.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2,072.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1,154.0

*SPECIALTY ITEM

FILE NAME :	USER NAME : piersanbr	DESIGNED - ASG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\pwork\pwork\pwork\piersonbr\08101149\057877.sht-500.dgn	787.sht-500.dgn	DRAWN - RTC	REVISED -			693	(FRRS-1)	MCLEAN	48	8	
PLOT SCALE * 48.0000' / in.		CHECKED -	REVISED -			SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.					
PLOT DATE * 8/13/2014		DATE -	REVISED -			CONTRACT NO. 70878 [ILLINOIS] FED. AID PROJECT					

SUMMARY OF QUANTITIES

LOCATION: FAP 693 (IL 9)
229+62.68 TO 216+75.00
URBAN MULTI-LANE

FUNDING BREAKOUT: 100% STATE
CONSTRUCTION CODE: 0005

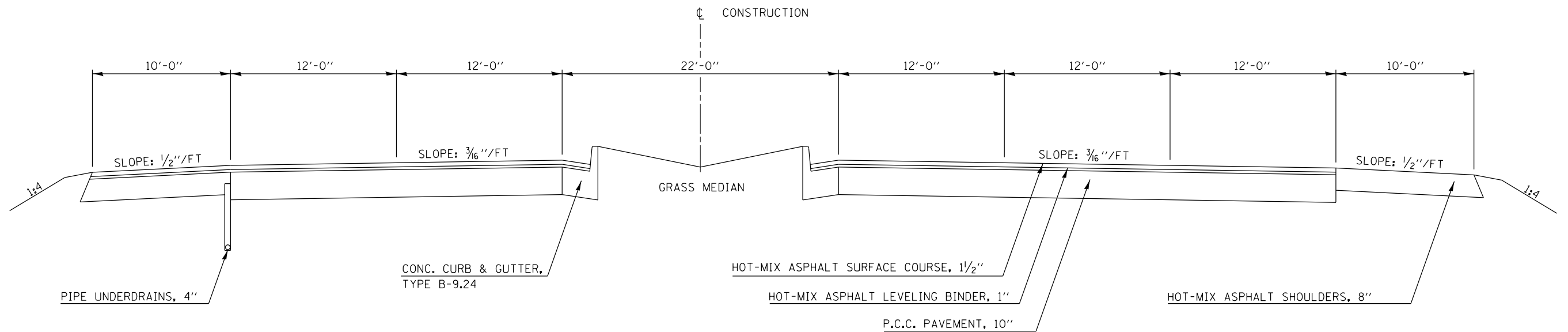
CODE NO.	DESCRIPTION	UNIT	TOTAL
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	45,244.0
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	890.0
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,174.0
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	542.0
XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	8.0
Z0010900	COLD MILLING (SPECIAL)	FOOT	4,327.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4.0

*SPECIALTY ITEM

1 EXISTING TYPICAL CROSS SECTION

F.A.P. 693 (IL RTE. 9)

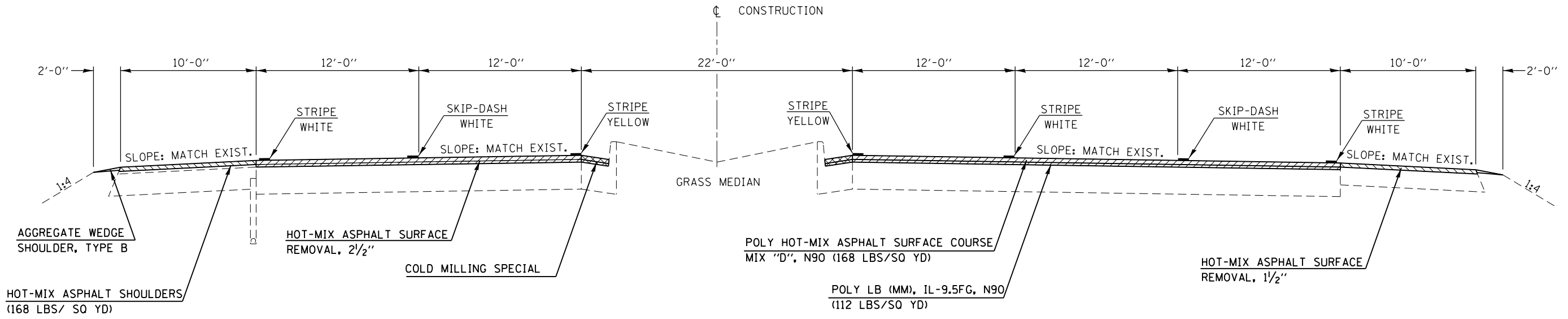
STATION TO STATION
229+62.68 231+65.06 **2**



1 PROPOSED TYPICAL CROSS SECTION

F.A.P. 693 (IL RTE. 9)

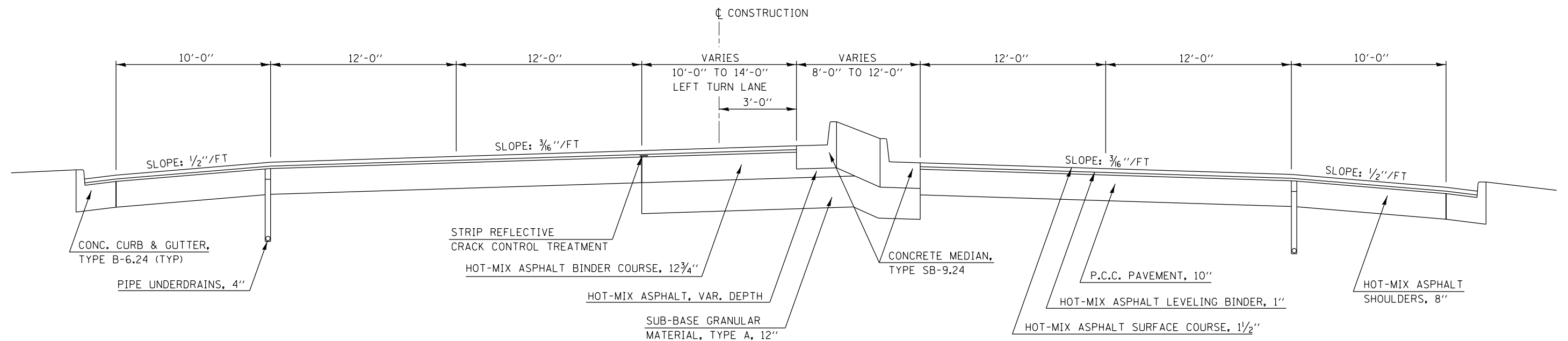
STATION TO STATION
229+62.68 231+65.06 **2**



FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\idot\ppersonbr\d0181149\0570787-sht-typical.dgn	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -					693	(FR/RS-1)	MCLEAN	48	10
*MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

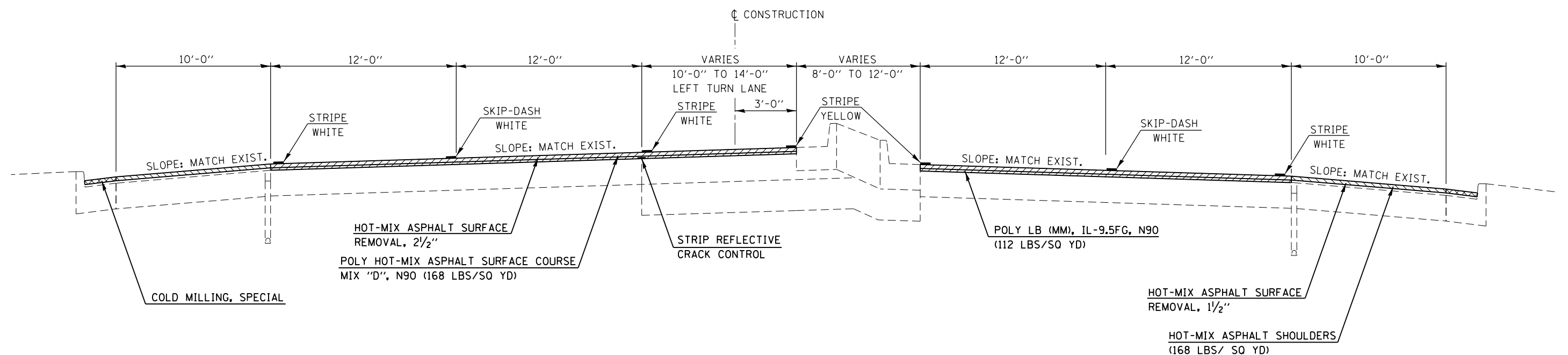
2 EXISTING TYPICAL CROSS SECTION
F.A.P. 693 (IL RTE. 9)

STATION 1 231+65.06 TO STATION 235+59.68 3



2 PROPOSED TYPICAL CROSS SECTION
F.A.P. 693 (IL RTE. 9)

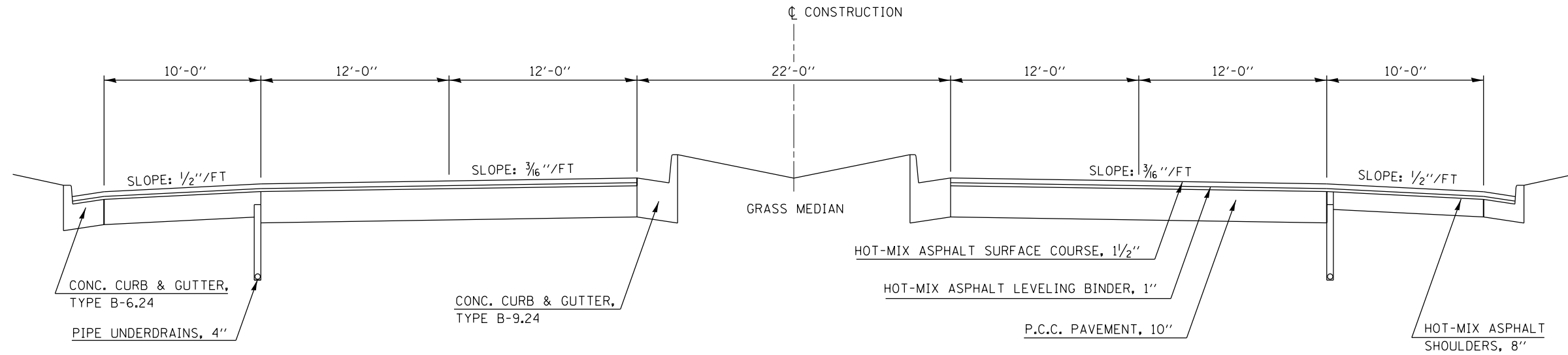
STATION 1 231+65.06 TO STATION 235+59.68 3



FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\personbr\d0181149\0570787-sht-typical.dgn	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -					693	(FR)RS-1	MCLEAN	48	11
*MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 2 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

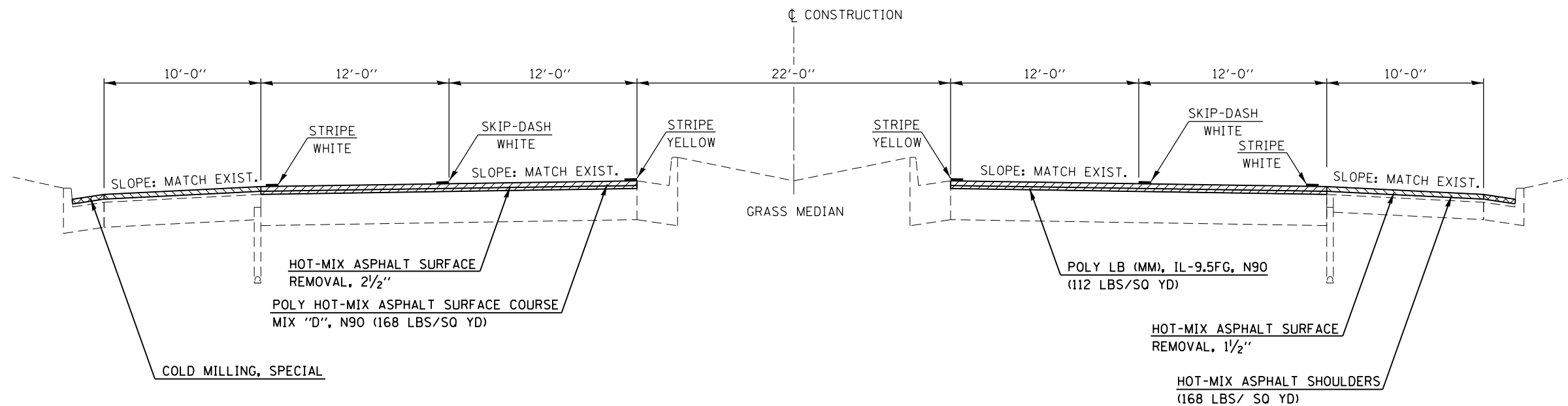
**3 EXISTING TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)**

STATION TO STATION
 ② 235+59.68 237+07.68 ④



**3 PROPOSED TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)**

STATION TO STATION
 ② 235+59.68 237+07.68 ④



FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -
et:\pw\work\p\dot\personbr\d0181149\0570787-sht-typical.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

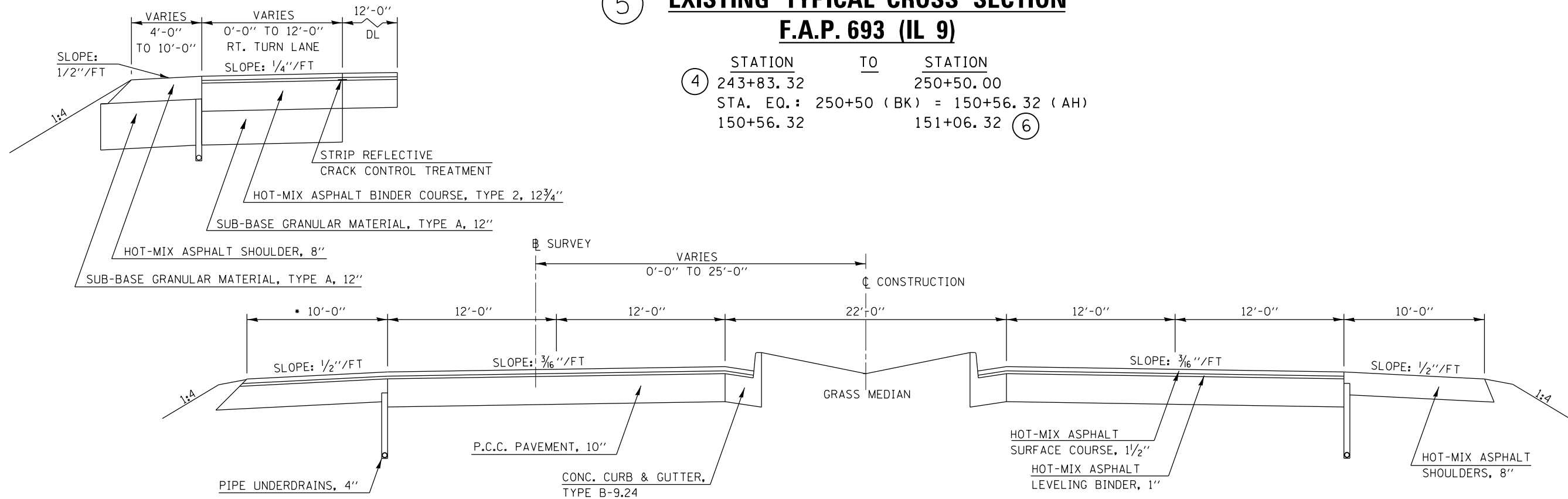
SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	12
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				

• STA. 243+83.32 TO STA. 249+28.68

5 **EXISTING TYPICAL CROSS SECTION**
F.A.P. 693 (IL 9)

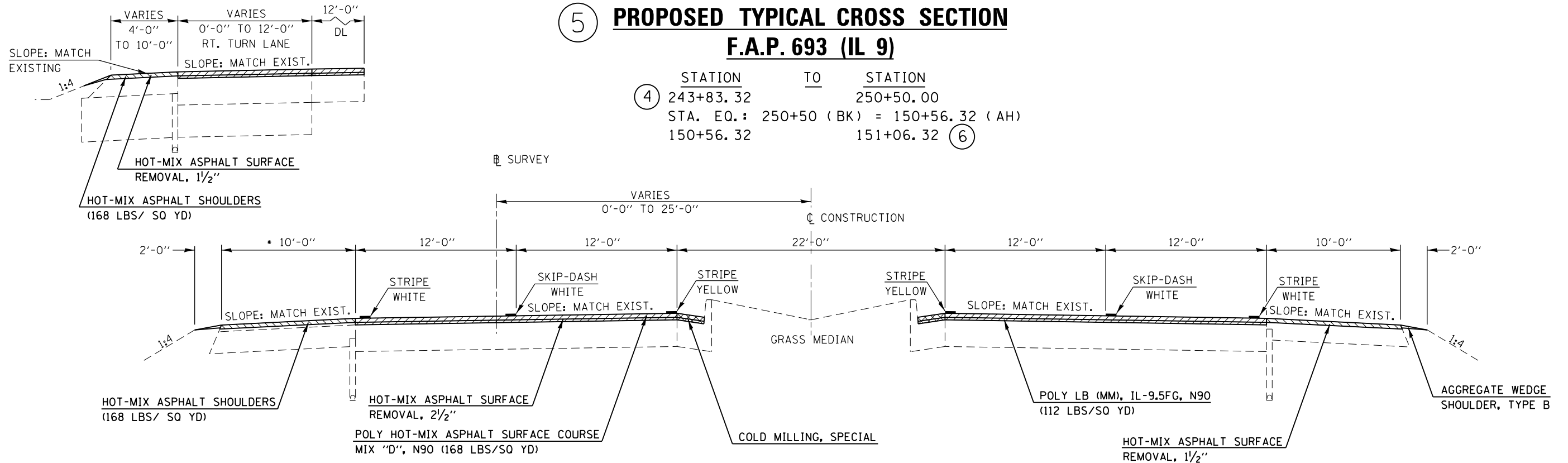
4 STATION TO STATION
 243+83.32 TO 250+50.00
 STA. EQ.: 250+50 (BK) = 150+56.32 (AH)
 150+56.32 151+06.32 6



• STA. 243+83.32 TO STA. 249+28.68

5 **PROPOSED TYPICAL CROSS SECTION**
F.A.P. 693 (IL 9)

4 STATION TO STATION
 243+83.32 TO 250+50.00
 STA. EQ.: 250+50 (BK) = 150+56.32 (AH)
 150+56.32 151+06.32 6

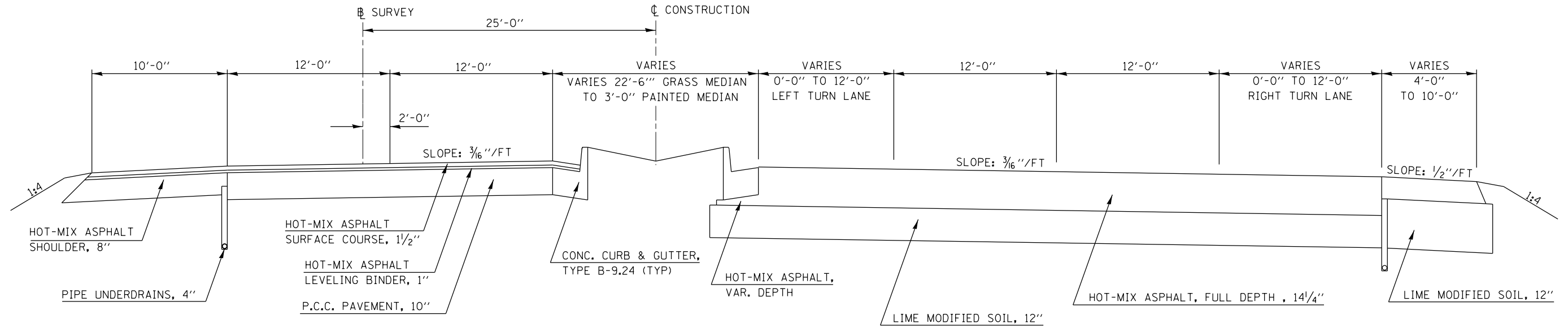


FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\work\pwork\personbr\d0181149\057878787-sht-typical.dgn	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -					693	(FR)RS-1	MCLEAN	48	14
#MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

6 **EXISTING TYPICAL CROSS SECTION**

F.A.P. 693 (IL RTE. 9)

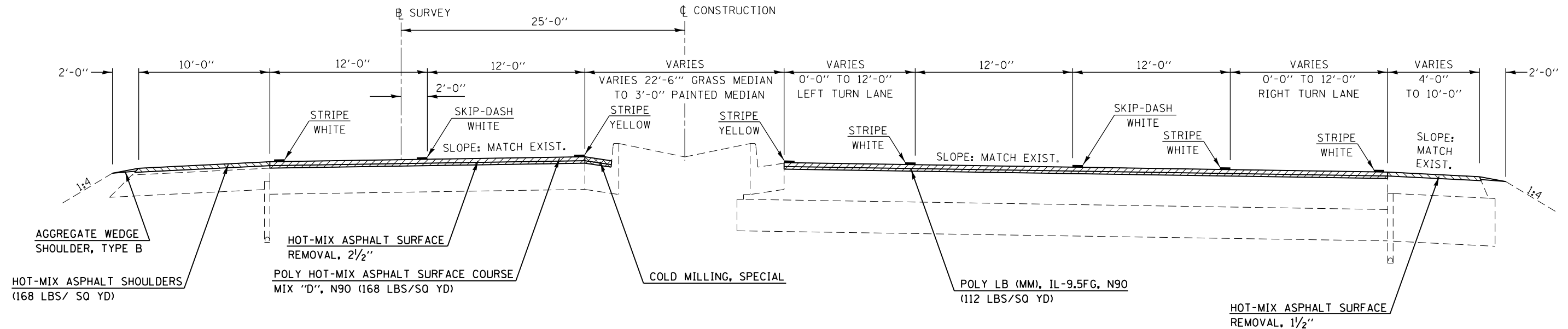
STATION 5 151+06.32 TO STATION 7 155+54.33



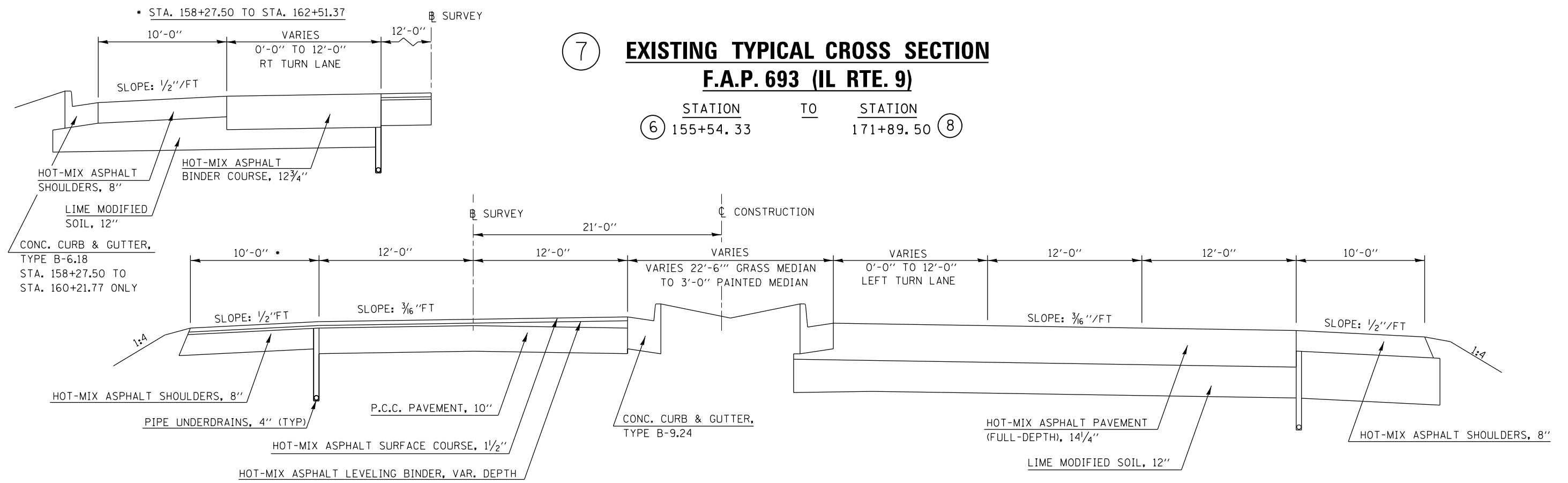
6 **PROPOSED TYPICAL CROSS SECTION**

F.A.P. 693 (IL RTE. 9)

STATION 5 151+06.32 TO STATION 7 155+54.33

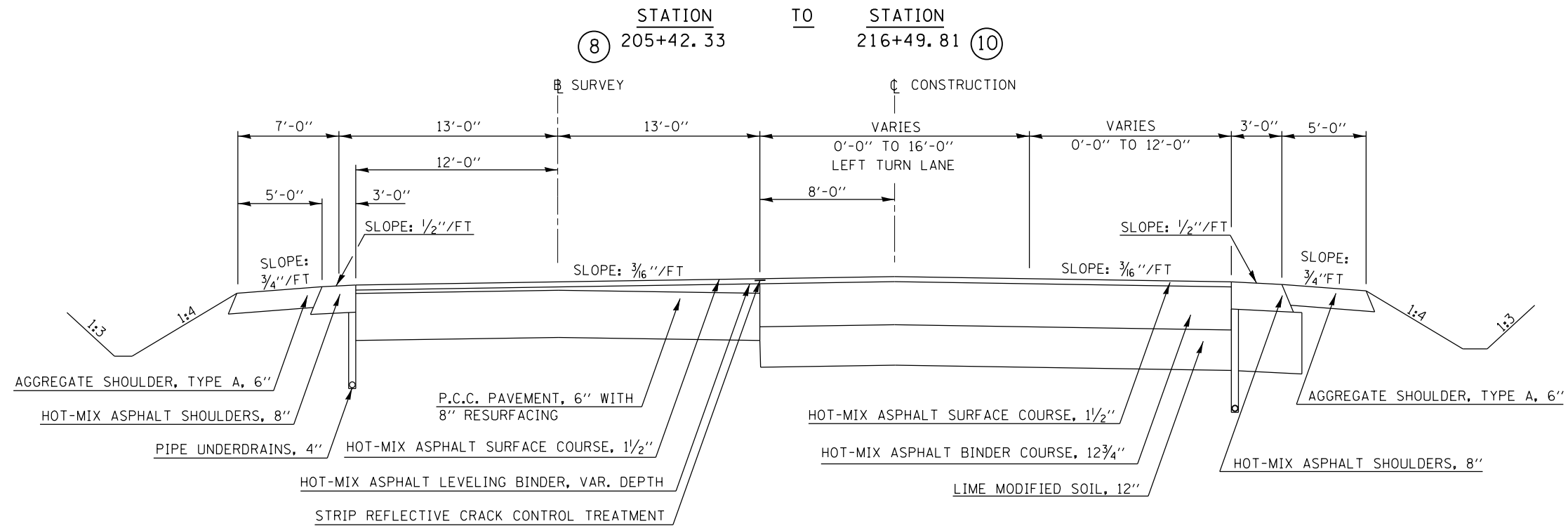


FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE. 693	SECTION (FR/RS-1)	COUNTY MCLEAN	TOTAL SHEETS 48	SHEET NO. 15
et:\pwork\pwork\personbr\d0181149\0570787-sht-typical.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					SCALE:	SHEET 6 OF 10 SHEETS	STA. TO STA.	CONTRACT NO. 70787	
#MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

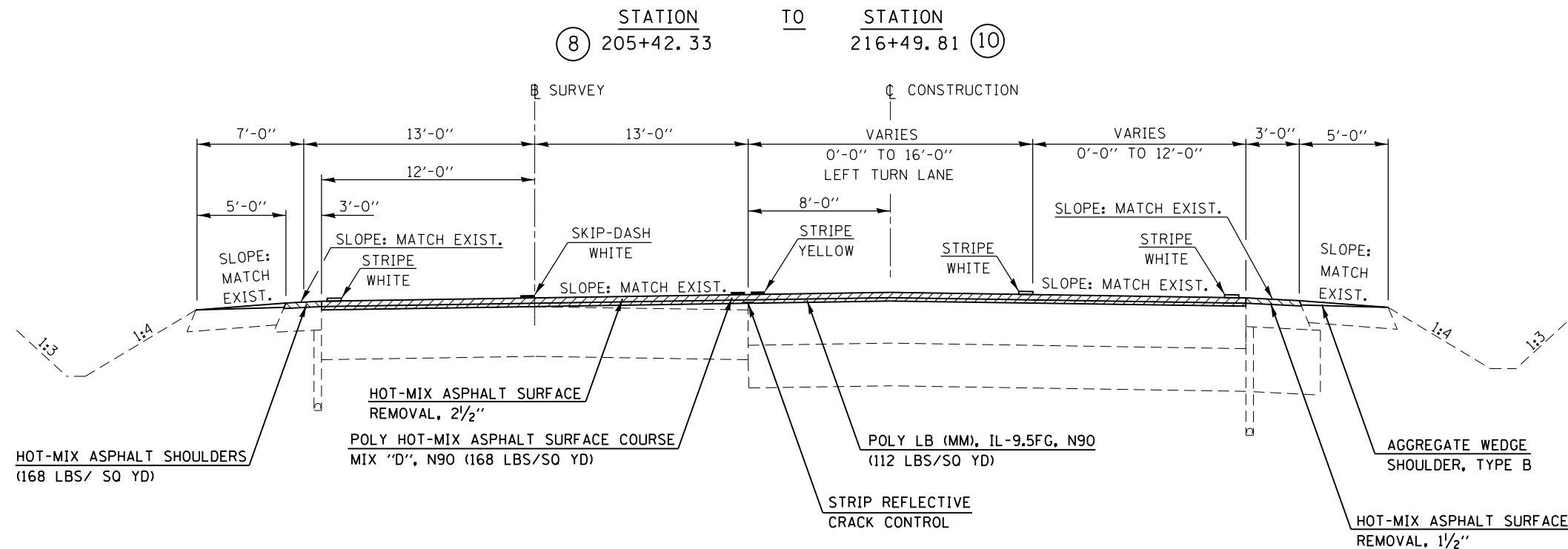


FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\personbr\d0181149\0570787-sht-typical.dgn	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -					693	(FR/RS-1)	MCLEAN	48	16
MODELNAME	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

**9 EXISTING TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)**



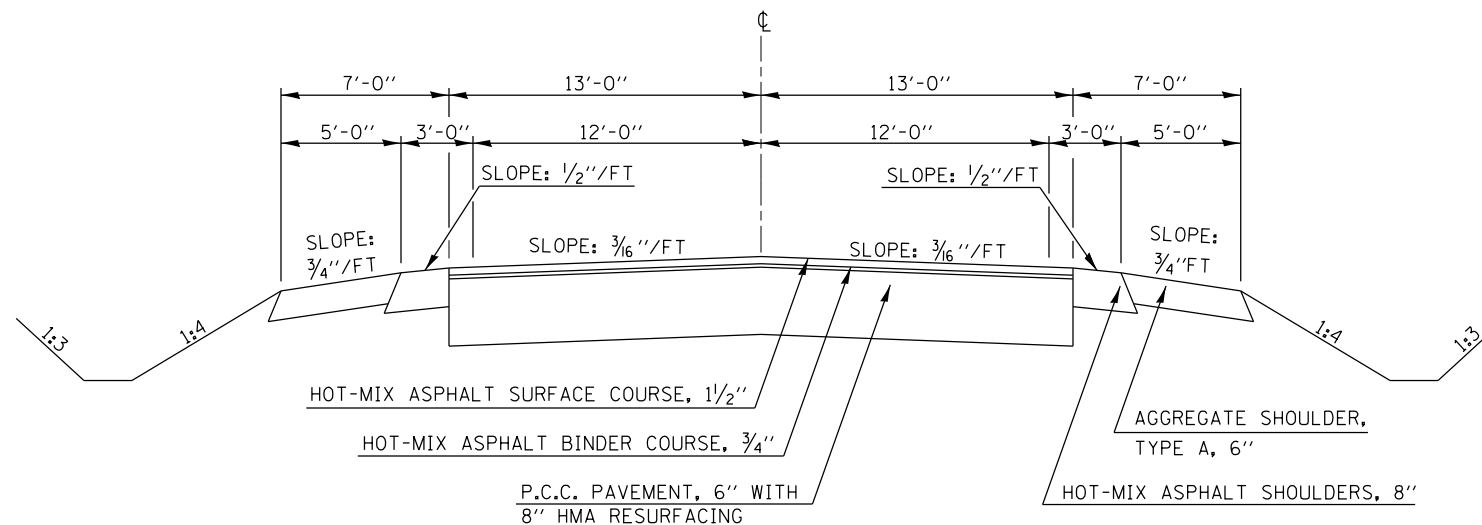
**9 PROPOSED TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)**



FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\personbr\d0181149\0570787-sh-typical.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					693	(FR/RS-1)	MCLEAN	48	18
MODELNAME	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

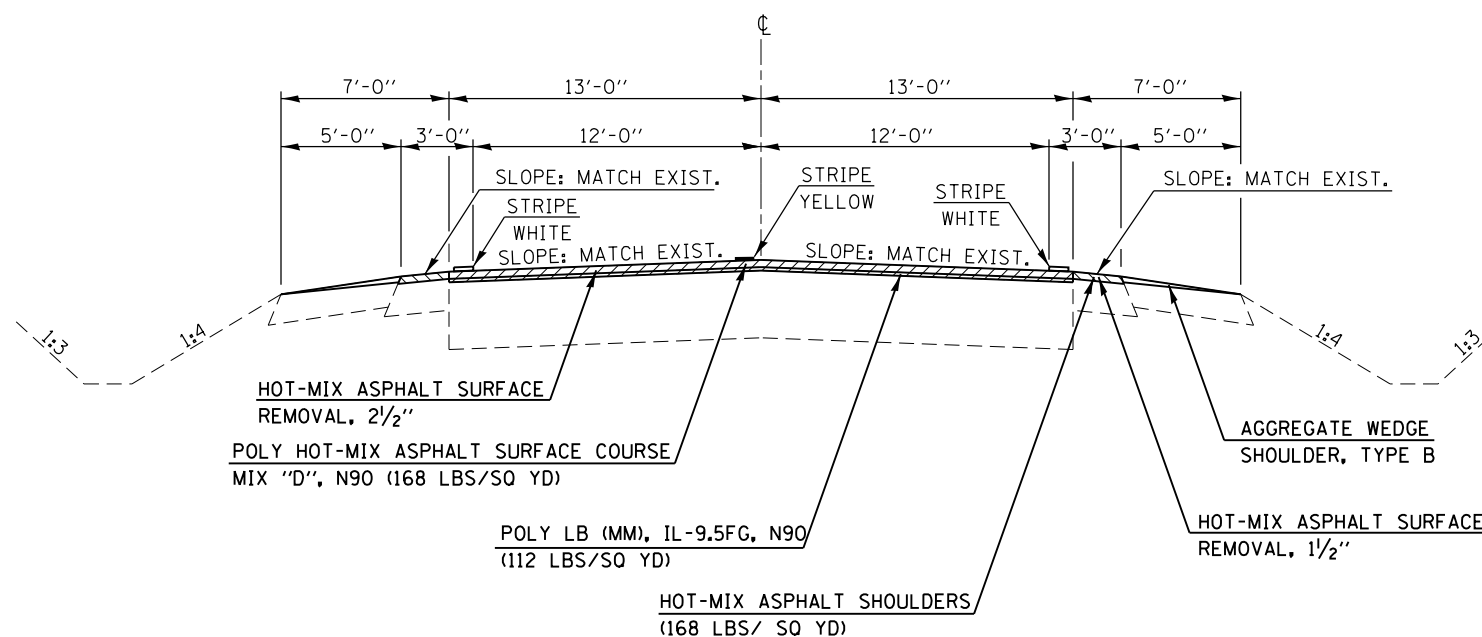
10 EXISTING TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)

STATION TO STATION
 ⑨ 216+49.81 216+75.00



10 PROPOSED TYPICAL CROSS SECTION
F.A.P. 693 (IL 9)

STATION TO STATION
 ⑨ 216+49.81 216+75.00



FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\pwork\personbr\d0181149\0570787-sht-typical.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					693	(FR)RS-1	MCLEAN	48	19
*MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES										
LOCATION				LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)	40603545	40600909	X40600100	44000159
							HMA SURF. CSE. POLY "D" N90 1.5"	HMA P LB (MM) IL-9.5FG N90 1.0"	BITUMINOUS MATERIALS (PRIME COAT)*	HMA SURF. REM. 2.50"
DESCRIPTION	STATION	TO	STATION				(TON)	(TON)	(POUND)	(SQ YD)
RT	229+12.68	TO	231+15.06	202.4	38.0	854.5	71.8	47.9	576.8	854.5
LT	229+12.68	TO	231+15.06	202.4	26.0	584.7	49.1	32.7	394.6	584.7
CROSSOVER	229+92.65	TO	231+15.06	122.4	22.0	299.2	25.1	16.8	202.0	299.2
RT	231+15.06	TO	235+09.68	394.6	24.0	1,052.3	88.4	58.9	710.3	1,052.3
LT	231+15.06	TO	235+09.68	394.6	24.0	1,052.3	88.4	58.9	710.3	1,052.3
LT TURN LANE	231+15.06	TO	232+99.68	184.6	14.0	287.2	24.1	16.1	193.9	287.2
LT TURN LANE TAPER	232+99.68	TO	235+09.68	210.0	7.0	163.3	13.7	9.1	110.3	163.3
RT	235+09.68	TO	244+33.32	923.6	24.0	2,463.0	206.9	137.9	1,662.6	2,463.0
LT	235+09.68	TO	244+33.32	923.6	24.0	2,463.0	206.9	137.9	1,662.6	2,463.0
LT TURN LANE TAPER	236+57.68	TO	238+67.68	210.0	7.0	163.3	13.7	9.1	110.3	163.3
LT TURN LANE	238+67.68	TO	243+27.63	460.0	14.0	715.5	60.1	40.1	482.9	715.5
CROSSOVER	240+14.18	TO	240+92.85	78.7	8.0	69.9	5.9	3.9	47.2	69.9
CROSSOVER	243+27.28	TO	244+33.32	106.0	22.0	259.2	21.8	14.5	175.0	259.2
SIDESTREET RETURN	242+63.68	TO	243+24.68	61.0	4.0	27.1	2.3	1.5	18.3	27.1
SIDESTREET RETURN	243+24.68	TO	244+58.97	134.3	9.5	141.8	11.9	7.9	95.7	141.8
RT	244+33.32	TO	249+63.46	530.1	26.0	1,531.5	128.6	85.8	1,033.8	1,531.5
LT	244+33.32	TO	249+63.46	530.1	26.0	1,531.5	128.6	85.8	1,033.8	1,531.5
RT TURN LANE	244+58.97	TO	246+68.68	209.7	12.0	279.6	23.5	15.7	188.7	279.6
RT TURN LANE TAPER	246+68.68	TO	248+78.68	210.0	6.0	140.0	11.8	7.8	94.5	140.0
RT	249+63.46	TO	250+00.00	36.5	24.0	97.4	8.2	5.5	65.8	97.4
LT	249+63.46	TO	250+00.00	36.5	24.0	97.4	8.2	5.5	65.8	97.4
LT TURN LANE TAPER	249+63.46	TO	250+00.00	36.5	4.0	16.2	1.4	0.9	11.0	16.2
RT TURN LANE TAPER	249+90.68	TO	250+00.00	9.3	6.0	6.2	0.5	0.3	4.2	6.2
STATION EQUATION	250+00 BK	=	150+56.32 AH							
RT	150+56.32	TO	153+34.41	278.1	24.0	741.6	62.3	41.5	500.6	741.6
LT	150+56.32	TO	153+34.41	278.1	24.0	741.6	62.3	41.5	500.6	741.6
LT TURN LANE TAPER	150+56.32	TO	152+77.00	220.7	4.0	98.1	8.2	5.5	66.2	98.1
RT TURN LANE TAPER	150+56.32	TO	152+48.00	191.7	6.0	127.8	10.7	7.2	86.3	127.8
LT TURN LANE	152+77.00	TO	156+84.40	407.4	15.0	679.0	57.0	38.0	458.3	679.0
RT TURN LANE	152+48.00	TO	156+36.00	388.0	12.0	517.3	43.5	29.0	349.2	517.3
RT	153+34.41	TO	156+84.40	350.0	24.0	933.3	78.4	52.3	630.0	933.3
LT	153+34.41	TO	156+86.40	352.0	24.0	938.6	78.8	52.6	633.6	938.6
RT	156+84.40	TO	158+27.50	143.1	39.0	620.1	52.1	34.7	418.6	620.1
LT	156+84.40	TO	158+27.50	143.1	24.0	381.6	32.1	21.4	257.6	381.6
SIDESTREET RETURN	155+86.00	TO	156+48.00	62.0	4.5	31.0	2.6	1.7	20.9	31.0
SIDESTREET RETURN	156+48.00	TO	158+15.00	167.0	10.0	185.6	15.6	10.4	125.3	185.6
RT	158+15.00	TO	160+21.77	206.8	24.0	551.4	46.3	30.9	372.2	551.4
LT	158+15.00	TO	160+21.77	206.8	24.0	551.4	46.3	30.9	372.2	551.4
LT TURN LANE	158+15.00	TO	161+10.80	295.8	15.0	493.0	41.4	27.6	332.8	493.0
LT TURN LANE TAPER	161+10.80	TO	162+51.37	140.6	3.0	46.9	3.9	2.6	31.6	46.9
RT TURN LANE	158+15.00	TO	160+30.00	215.0	12.0	286.7	24.1	16.1	193.5	286.7
SUBTOTAL =							1,866.6	1,244.4	14,999.3	22,221.2

CONTINUED ON NEXT PAGE

FILE NAME =	USER NAME = ppersonbr	DESIGNED - ASG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\pwork\personbr\d0181149\0570787-sht-Schedules.dgn	DRAWN - RTC	REVISIED -				693	(FR)RS-1	MCLEAN	48	20	
\$MODELNAME\$	PLLOT SCALE = 40.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 70787					
	PLLOT DATE = 6/13/2014	DATE -	REVISIED -			SCALE:	SHEET 1	OF 11	SHEETS	STA.	TO STA.

SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES											
LOCATION				LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)	40603545	40600909	X40600100	44000159	
							HMA SURF. CSE. POLY "D" N90	HMA P LB (MM) IL-9.5FG N90	BITUMINOUS MATERIALS (PRIME COAT)*	HMA SURF. REM. 2.50"	
							1.5" LIFT	1.0" LIFT	(POUND)	(SQ YD)	
DESCRIPTION	STATION	TO	STATION	(FT)	(FT)	(SQ YD)	(TON)	(TON)	(POUND)	(SQ YD)	
RT TURN LANE TAPER	160+30.00	TO	162+51.37	221.4	6.0	147.6	12.4	8.3	99.6	147.6	
RT	160+21.77	TO	171+89.50	1,167.7	24.0	3,113.9	261.6	174.4	2,101.9	3,113.9	
LT	160+21.77	TO	171+89.50	1,167.7	24.0	3,113.9	261.6	174.4	2,101.9	3,113.9	
RT	171+89.50	TO	175+16.53	327.0	24.0	872.1	73.3	48.8	588.7	872.1	
LT	171+89.50	TO	175+16.53	327.0	26.0	944.8	79.4	52.9	637.7	944.8	
LT TURN LANE TAPER	176+43.11	TO	177+51.30	108.2	4.0	48.1	4.0	2.7	32.5	48.1	
LT TURN LANE	177+51.30	TO	183+00.00	548.7	16.0	975.5	81.9	54.6	658.4	975.5	
RT	175+16.53	TO	178+00.00	283.5	24.0	755.9	63.5	42.3	510.2	755.9	
LT	175+16.53	TO	178+00.00	283.5	25.0	787.4	66.1	44.1	531.5	787.4	
RT	178+00.00	TO	183+00.00	500.0	24.0	1,333.3	112.0	74.7	900.0	1,333.3	
LT	178+00.00	TO	183+00.00	500.0	25.0	1,388.9	116.7	77.8	937.5	1,388.9	
RT	183+00.00	TO	184+22.50	122.5	40.0	544.4	45.7	30.5	367.5	544.4	
LT	183+00.00	TO	184+22.50	122.5	24.0	326.7	27.4	18.3	220.5	326.7	
LT TURN LANE	184+22.50	TO	187+06.60	284.1	16.0	505.1	42.4	28.3	340.9	505.1	
LT TURN LANE TAPER	187+06.60	TO	188+57.00	150.4	4.0	66.8	5.6	3.7	45.1	66.8	
RT TURN LANE	184+22.50	TO	186+27.00	204.5	12.0	272.7	22.9	15.3	184.1	272.7	
RT LANE TAPER	186+27.00	TO	188+57.00	230.0	6.0	153.3	12.9	8.6	103.5	153.3	
RT	184+22.50	TO	198+64.39	1,441.9	24.0	3,845.0	323.0	215.3	2,595.4	3,845.0	
LT	184+22.50	TO	198+64.39	1,441.9	25.0	4,005.3	336.4	224.3	2,703.5	4,005.3	
RT	198+64.39	TO	203+14.41	450.0	12.0	600.0	50.4	33.6	405.0	600.0	
LT	198+64.39	TO	203+14.41	450.0	25.0	1,250.1	105.0	70.0	843.8	1,250.1	
LT TURN LANE TAPER	196+95.80	TO	197+49.80	54.0	2.3	13.5	1.1	0.8	9.1	13.5	
LT TURN LANE	197+49.80	TO	203+14.41	564.6	16.0	1,003.8	84.3	56.2	677.5	1,003.8	
RT TURN LANE	198+64.39	TO	203+14.41	450.0	12.0	600.0	50.4	33.6	405.0	600.0	
RT	203+14.41	TO	204+54.88	140.5	28.0	437.0	36.7	24.5	295.0	437.0	
LT	203+14.41	TO	204+54.88	140.5	25.0	390.2	32.8	21.9	263.4	390.2	
RT	204+54.88	TO	207+79.81	324.9	12.0	433.2	36.4	24.3	292.4	433.2	
LT	204+54.88	TO	207+79.81	324.9	25.0	902.6	75.8	50.5	609.2	902.6	
LT TURN LANE	204+54.88	TO	207+79.81	324.9	16.0	577.7	48.5	32.3	389.9	577.7	
LT TURN LANE	207+79.81	TO	209+48.00	168.2	13.0	242.9	20.4	13.6	164.0	242.9	
LT TURN LANE	209+48.00	TO	216+75.00	727.0	5.0	403.9	33.9	22.6	272.6	403.9	
RT	207+79.81	TO	216+75.00	895.2	13.0	1,293.1	108.6	72.4	872.8	1,293.1	
LT	207+79.81	TO	216+75.00	895.2	19.0	1,889.8	158.7	105.8	1,275.6	1,889.8	
SUBTOTAL=							2,792.0	1,861.4	22,436.0	33,238.5	
SUBTOTAL FROM PREVIOUS PAGE=							1,866.6	1,244.4	14,999.3	22,221.2	
GRAND TOTAL=							4,658.6	3,105.7	37,435.3	55,459.8	
ROUNDED TOTAL=							4,659.0	3,106.0	37,436.0	55,460.0	

* TO BE APPLIED AT A RATE OF 0.05 LB/SQ FT ON MILLED SURFACES AND 0.025 LB/SQ FT AS FOG COAT BETWEEN LIFTS. INCIDENTAL PRIME COAT WILL ALSO BE PAID AS X4060110.

INCIDENTAL HOT-MIX ASPHALT SURFACING					
LOCATION	STATION	AREA (SQ YD)	X40600100	40800050	X4400196
			BITUMINOUS MATERIALS (PR CT)*	INCIDENTAL HMA SURF. (TON)	HMA SURF. REMOVAL, SPL. (SQ YD)
			(POUND)	1 1/2" LIFT	
CARNAHAN DR.	230+39.68	571.1	257.0	48.0	571.1
AIRPORT RD. (CH 22)	243+73.51	464.0	208.8	39.0	464.0
TRINITY LANE	157+31.00	660.4	297.2	55.5	660.4
TOWANDA BARNES (NORTH)	203+00.00	159.2	71.6	13.4	159.2
TOWANDA BARNES (SOUTH)	203+00.00	217.0	97.6	18.2	217.0
TOTAL =			932.2	174.0	2,071.6
USE =			933.0	175.0	2,072.0

SCHEDULE OF QUANTITIES

CLASS D PATCHING - WESTBOUND LANES								
PATCH NO.	LOCATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	44201803	44201827	44201863
						CLASS D PATCHES TYPE II, 13 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 15 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 18 INCH AREA (SQ YD)
1	E. OF TOWANDA-BARNES RD.	WB	DL	4	12			5.4
2	E. OF TOWANDA-BARNES RD.	WB	DL	4	12			5.4
3	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
4	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
5	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
6	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
7	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
8	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
9	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
10	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	DL	4	12			5.4
11	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
12	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
13	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
14	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
15	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
16	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
17	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
18	TOWANDA-BARNES RD. TO E. CIRA DR.	WB	PL	4	12			5.4
19	E. CIRA DR. TO TRINITY LANE	WB	DL	4	12		5.4	
20	E. CIRA DR. TO TRINITY LANE	WB	DL	4	12		5.4	
21	E. CIRA DR. TO TRINITY LANE	WB	PL	4	12		5.4	
22	E. CIRA DR. TO TRINITY LANE	WB	PL	4	12		5.4	
23	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
24	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
25	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
26	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
27	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
28	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
29	TRINITY LANE TO AIRPORT RD	WB	DL	4	12		5.4	
30	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
31	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
32	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
33	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
34	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
35	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
36	TRINITY LANE TO AIRPORT RD	WB	PL	4	12		5.4	
SUBTOTAL TOTAL =						0.0	97.2	97.2

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SCHEDULE OF QUANTITIES

CLASS D PATCHING - WESTBOUND LANES (CONT.)								
PATCH NO.	LOCATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	44201803	44201827	44201863
						CLASS D PATCHES TYPE II, 13 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 15 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 18 INCH AREA (SQ YD)
37	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
38	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
39	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
40	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
41	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
42	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
43	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
44	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
45	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
46	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
47	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
48	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
49	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
50	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
51	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
52	AIRPORT RD. TO CARNAHAN DR.	WB	DL	4	12	5.4		
53	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
54	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
55	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
56	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
57	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
58	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
59	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
60	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
61	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
62	AIRPORT RD. TO CARNAHAN DR.	WB	PL	4	12	5.4		
63	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
64	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
65	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
66	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
67	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
68	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
69	AIRPORT RD. TO CARNAHAN DR.	WB	LT TRN LN	4	12	5.4		
TOTAL =						178.2	0.0	0.0
WESTBOUND TOTAL =						178.2	97.2	97.2

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SCHEDULE OF QUANTITIES

CLASS D PATCHING - EASTBOUND LANES								
PATCH NO.	LOCATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	44201803	44201827	44201863
						CLASS D PATCHES TYPE II, 13 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 15 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 18 INCH AREA (SQ YD)
70	TOWANDA-BARNES RD. TO E. CIRA DR.	EB	DL	4	12		5.4	
71	TOWANDA-BARNES RD. TO E. CIRA DR.	EB	PL	4	12		5.4	
72	E. CIRA DR. TO TRINITY LANE	EB	DL	4	12		5.4	
73	E. CIRA DR. TO TRINITY LANE	EB	DL	4	12		5.4	
74	E. CIRA DR. TO TRINITY LANE	EB	PL	4	12		5.4	
75	E. CIRA DR. TO TRINITY LANE	EB	PL	4	12		5.4	
76	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
77	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
78	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
79	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
80	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
81	TRINITY LANE TO AIRPORT RD	EB	DL	4	12		5.4	
82	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
83	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
84	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
85	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
86	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
87	TRINITY LANE TO AIRPORT RD	EB	PL	4	12		5.4	
TOTAL =						0.0	97.2	0.0

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SCHEDULE OF QUANTITIES

CLASS D PATCHING - EASTBOUND LANES (CONT.)								
PATCH NO.	LOCATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	44201803	44201827	44201863
						CLASS D PATCHES TYPE II, 13 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 15 INCH AREA (SQ YD)	CLASS D PATCHES TYPE II, 18 INCH AREA (SQ YD)
88	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
89	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
90	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
91	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
92	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
93	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
94	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
95	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
96	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
97	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
98	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
99	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
100	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
101	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
102	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
103	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
104	AIRPORT RD. TO CARNAHAN DR.	EB	DL	4	12	5.4		
105	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
106	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
107	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
108	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
109	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
110	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
111	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
112	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
113	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
114	AIRPORT RD. TO CARNAHAN DR.	EB	PL	4	12	5.4		
115	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
116	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
117	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
118	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
119	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
120	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
121	AIRPORT RD. TO CARNAHAN DR.	EB	LT TRN LN	4	12	5.4		
TOTAL =						183.6	0.0	0.0
EASTBOUND TOTAL =						183.6	97.2	0.0
TOTALS FROM WESTBOUND LANES =						178.2	97.2	97.2
GRAND TOTAL =						361.8	194.4	97.2
USE =						362.0	195.0	98.0

SCHEDULE OF QUANTITIES

DITCH PROTECTION						
STATION	TO	STATION	SIDE	WIDTH (FEET)	28100107	28200200
					STONE RIPRAP CLASS A4 (SQ YD)	FILTER FABRIC FOR USE W/ RIPRAP (SQ YD)
250+22	TO	250+31	LT	9.0	9.0	9.0
152+28	TO	152+53	RT	20.0	75.7	75.7
152+28	TO	152+53	LT	25.0	69.4	69.4
166+47	TO	166+72	RT	20.0	33.3	33.3
166+47	TO	166+72	LT	25.0	69.4	69.4
190+44	TO	190+62	LT	13.0	26.0	26.0
TOTAL=					282.8	282.8
ROUNDED TOTAL=					283.0	283.0

60300305 FRAMES AND LIDS TO BE ADJUSTED		
STATION	OFFSET	EACH
243+71.00	2' LT	1.0
179+20.00	21' RT	1.0
183+03.00	21' RT	1.0
TOTAL =		3.0

60266600 VALVE BOXES TO BE ADJUSTED			
LOCATION	STATION	OFFSET	EACH
FAP 693	231+51.30	3' RT	1.0
FAP 693	240+73.80	2' RT	1.0
FAP 693	244+00.00	5' RT	1.0
CH 22	80+45.00	51' RT	1.0
TRINITY LN	65+10.00	38' LT	1.0
TOTAL =			5.0

XZ193400 SURVEY MARKER, TYPE 2 (SPECIAL)			
DESCRIPTION	STATION	EXISTING TYPE	EACH
PC	239+70.25	MAG NAIL	1.0
PI	243+69.94	MAG NAIL	1.0
POT	250+50.00	I.P. W/ CAP	1.0
POT	150+56.32	MAG NAIL	1.0
KINK	174+49.00	DISK	1.0
KINK	183+99.97	MAG NAIL	1.0
KINK	204+00.00	VAULT	1.0
POT	241+99.80	MAG NAIL	1.0
TOTAL =			8.0

Z0070100 SURVEY MONUMENT COVER ASSEMBLY			
DESCRIPTION	STATION	OFFSET	EACH
SECTION CORNER	244+23.27	21.8278' LT	1.0
SECTION CORNER	204+02.93	7.3217' LT	1.0
SECTION CORNER	177+71.48	7.7404' LT	1.0
SECTION CORNER	177+34.06	7.7457' LT	1.0
TOTAL =			4.0

WORK ZONE PAVEMENT MARKING							
LOCATION	STATION	TO	STATION	# OF LINES	LENGTH (FOOT)	70301000	70301000
						SHORT-TERM PAVEMENT MARKING (3-APPS) (FOOT)	WORKZONE PAVEMENT MARKING REMOVAL AREA (SQ FT)
MAINLINE - 4" SKIP-DASH LINES (WHITE)							
E.B.	229+63	TO	230+44	1.0	8	24	3
E.B.	231+69	TO	243+76	1.0	121	362	40
E.B.	244+83	TO	250+50	1.0	57	170	19
STATION EQUATION	250+50 (BK)	=	150+56 (AH)				
E.B.	150+56	TO	157+00	1.0	64	193	21
E.B.	158+20	TO	183+11	1.0	249	747	83
E.B.	184+22	TO	198+64	1.0	144	433	48
W.B.	229+23	TO	230+44	1.0	12	36	4
W.B.	231+69	TO	243+76	1.0	121	362	40
W.B.	244+83	TO	250+50	1.0	57	170	19
STATION EQUATION	250+50 (BK)	=	150+56 (AH)				
W.B.	150+56	TO	156+84	1.0	63	188	21
W.B.	158+13	TO	183+11	1.0	250	749	83
W.B.	184+22	TO	203+15	1.0	189	568	63
W.B.	204+77	TO	209+55	1.0	48	143	16
SUBTOTAL=						4,147	460
MAINLINE - 4" SOLID (WHITE)							
E.B.	229+63	TO	230+15	1.0	5	16	2
E.B.	239+18	TO	243+75	1.0	46	137	15
E.B.	153+34	TO	157+00	1.0	37	110	12
E.B.	153+34	TO	156+70	1.0	34	101	11
E.B.	178+00	TO	183+08	1.0	51	152	17
E.B.	198+64	TO	203+14	1.0	45	135	15
E.B.	198+64	TO	202+93	1.0	43	129	14
W.B.	231+67	TO	233+50	1.0	18	55	6
W.B.	245+19	TO	247+19	1.0	20	60	7
W.B.	158+15	TO	160+22	1.0	21	62	7
W.B.	158+15	TO	160+31	1.0	22	65	7
W.B.	184+23	TO	186+27	1.0	20	61	7
W.B.	184+23	TO	186+27	1.0	20	61	7
W.B.	204+55	TO	207+80	1.0	32	97	11
E.B. SHOULDER	231+47	TO	250+50	1.0	76	228	25
STATION EQUATION	250+50 (BK)	=	150+56 (AH)				
E.B. SHOULDER	150+56	TO	156+26	1.0	23	68	8
E.B. SHOULDER	158+17	TO	182+40	1.0	97	291	32
E.B. SHOULDER	184+30	TO	202+43	1.0	73	218	24
W.B. SHOULDER	229+63	TO	243+14	2.0	108	324	36
W.B. SHOULDER	245+53	TO	250+50	1.0	20	60	7
STATION EQUATION	250+50 (BK)	=	150+56 (AH)				
W.B. SHOULDER	150+56	TO	156+80	1.0	45	134	15
W.B. SHOULDER	158+50	TO	182+86	1.0	97	292	32
W.B. SHOULDER	184+63	TO	202+15	1.0	70	210	23
SUBTOTAL=						3,067	340

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SCHEDULE OF QUANTITIES

WORK ZONE PAVEMENT MARKING (CONT.)							
LOCATION	STATION	TO	STATION	# OF LINES	LENGTH (FOOT)	70301000	70301000
						SHORT-TERM PAVEMENT MARKING (3-APPS) (FOOT)	WORKZONE PAVEMENT MARKING REMOVAL AREA (SQ FT)
4" SKIP-DASH LINES (YELLOW)							
STRIPED MEDIAN	152+78	TO	153+83	1.0	11	32	3
STRIPED MEDIAN	158+21	TO	161+06	1.0	29	86	9
STRIPED MEDIAN	177+50	TO	183+08	1.0	56	167	19
STRIPED MEDIAN	184+20	TO	187+06	1.0	29	86	10
STRIPED MEDIAN	197+49	TO	203+15	1.0	57	170	19
STRIPED MEDIAN	204+53	TO	216+75	1.0	122	367	41
CARNAHAN	10+60	TO	12+25	1.0	17	50	5
SUBTOTAL=						956	106
INCIDENTAL AREAS- 4" SOLID							
AIRPORT ROAD	80+38	TO	80+63	3.0	7.6	23	3
TRINITY LANE	64+69	TO	65+12	2.0	8.6	26	3
SUBTOTAL=						48	5
24" STOP BARS (WHITE)							
FAP 693	229+90		EB	1.0	24.0	72	48
CARNAHAN DR	11+04		NB	1.0	18.4	55	37
CARNAHAN DR	11+06.32		SB	1.0	18.0	54	36
FAP 693	231+15		WB	1.0	38.0	114	76
FAP 693	231+15		EB	1.0	38.2	115	76
AIRPORT RD	80+46		SB	1.0	32.8	98	66
FAP 693	156+84		EB	1.0	12.0	36	24
FAP 693	157+00		EB	1.0	24.0	72	48
TRINITY LN	65+12		SB	1.0	36.0	108	72
TRINITY LN	65+13.1		SB	1.0	18.0	54	36
FAP 693	158+15		WB	1.0	45.2	136	90
FAP 693	158+21.6		WB	1.0	12.0	36	24
FAP 693	183+10		EB	1.0	35.0	105	70
FAP 693	184+21		WB	1.0	65.0	195	130
FAP 693	203+16		EB	1.0	28.0	84	56
CH 29	619+11.58		SB	1.0	22.0	66	44
FAP 693	204+53		WB	1.0	51.7	155	103
SUBTOTAL=						1,554.9	1,036.6
GRAND TOTAL=						9,773.5	1,948.9
USE =						9,773.0	1,949.0

78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS			
STATION	DIRECTION	ARROW	SQ. FT.
231+85	WB	LEFT	15.6
232+40	WB	LEFT	15.6
232+95	WB	LEFT	15.6
233+50	WB	LEFT	15.6
239+18	EB	LEFT	15.6
239+91	EB	LEFT	15.6
240+64	EB	LEFT	15.6
241+37	EB	LEFT	15.6
242+11	EB	LEFT	15.6
242+84	EB	LEFT	15.6
243+57	EB	LEFT	15.6
245+27	WB	RIGHT	15.6
245+91	WB	RIGHT	15.6
246+55	WB	RIGHT	15.6
247+19	WB	RIGHT	15.6
153+34	EB	LEFT	15.6
153+34	EB	RIGHT	15.6
154+00	EB	LEFT	15.6
154+00	EB	RIGHT	15.6
154+66	EB	LEFT	15.6
154+66	EB	RIGHT	15.6
155+32	EB	LEFT	15.6
155+32	EB	RIGHT	15.6
155+98	EB	LEFT	15.6
155+98	EB	RIGHT	15.6
156+64	EB	LEFT	15.6
158+42	WB	RIGHT	15.6
158+42	WB	LEFT	15.6
159+02	WB	RIGHT	15.6
159+02	WB	LEFT	15.6
159+62	WB	RIGHT	15.6
159+62	WB	LEFT	15.6
160+22	WB	RIGHT	15.6
160+22	WB	LEFT	15.6
178+00	EB	LEFT	15.6
178+61	EB	LEFT	15.6
179+23	EB	LEFT	15.6
SUBTOTAL=			577.2

78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS			
STATION	DIRECTION	ARROW	SQ. FT.
179+84	EB	LEFT	15.6
180+45	EB	LEFT	15.6
181+06	EB	LEFT	15.6
181+68	EB	LEFT	15.6
182+29	EB	LEFT	15.6
182+90	EB	LEFT	15.6
184+41	WB	RIGHT	15.6
184+41	WB	LEFT	15.6
185+03	WB	RIGHT	15.6
185+03	WB	LEFT	15.6
185+65	WB	RIGHT	15.6
185+65	WB	LEFT	15.6
186+27	WB	RIGHT	15.6
186+27	WB	LEFT	15.6
198+64	EB	RIGHT	15.6
198+64	EB	LEFT	15.6
199+36	EB	RIGHT	15.6
199+36	EB	LEFT	15.6
200+08	EB	RIGHT	15.6
200+08	EB	LEFT	15.6
200+80	EB	RIGHT	15.6
200+80	EB	LEFT	15.6
201+52	EB	RIGHT	15.6
201+52	EB	LEFT	15.6
202+24	EB	RIGHT	15.6
202+24	EB	LEFT	15.6
202+96	EB	RIGHT	15.6
202+96	EB	LEFT	15.6
204+73	WB	LEFT	15.6
205+50	WB	LEFT	15.6
206+27	WB	LEFT	15.6
207+04	WB	LEFT	15.6
207+80	WB	LEFT	15.6
64+97 (TRINITY)	--	LEFT	15.6
64+93 (TRINITY)	--	RIGHT	15.6
80+64 (AIRPORT)	--	LEFT	15.6
80+64 (AIRPORT)	--	RIGHT	15.6
SUBTOTAL =			577.2
TOTAL =			1,154.4
USE =			1,154.0

SCHEDULE OF QUANTITIES

708009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"					
4" SOLID (YELLOW)					
DIRECTION	STATION	TO	STATION	TYPE	LENGTH(FT.)
E.B. & W.B.	229+63	TO	230+46	EDGE LINE	169.8
E.B. & W.B.	231+65	TO	240+68	EDGE LINE	1,824.4
E.B. & W.B.	241+39	TO	243+81	EDGE LINE	494.5
E.B. & W.B.	244+77	TO	250+50	EDGE LINE	1,146.0
STATION EQUATION	250+50 (BK)	=	150+56 (AH)		
E.B. & W.B.	150+56	TO	152+78	EDGE LINE	445.0
CENTER TURN LANE	152+78	TO	156+87	DOUBLE YELLOW	1,641.0
CENTER TURN LANE	158+21	TO	161+06	DOUBLE YELLOW	1,142.0
E.B. & W.B.	161+06	TO	177+50	EDGE LINE	3,300.7
CENTER TURN LANE	177+50	TO	183+08	DOUBLE YELLOW	2,250.2
CENTER TURN LANE	184+20	TO	187+06	DOUBLE YELLOW	1,142.1
E.B. & W.B.	187+06	TO	197+49	EDGE LINE	2,104.3
CENTER TURN LANE	197+49	TO	203+15	DOUBLE YELLOW	1,371.2
CENTER TURN LANE	204+53	TO	216+75	DOUBLE YELLOW	4,153.6
AIRPORT RD.	80+38	TO	80+63	DOUBLE YELLOW	50.4
TRINITY LANE	64+69	TO	65+12	EDGE LINE	92.3
TRINITY LANE	64+69	TO	65+15	EDGE LINE	92.9
SUBTOTAL=					21,420.4
4" SKIP-DASH LINES (WHITE)					
DIRECTION	STATION	TO	STATION	TYPE	LENGTH(FT.)
E.B.	229+63	TO	230+44	SKIP-DASH	20.0
E.B.	231+69	TO	243+76	SKIP-DASH	310.0
E.B.	244+83	TO	250+50	SKIP-DASH	150.0
STATION EQUATION	250+50 (BK)	=	150+56 (AH)		
E.B.	150+56	TO	157+00	SKIP-DASH	170.0
E.B.	158+20	TO	183+11	SKIP-DASH	630.0
E.B.	184+22	TO	198+58	SKIP-DASH	360.0
W.B.	229+23	TO	230+44	SKIP-DASH	30.0
W.B.	231+69	TO	243+76	SKIP-DASH	310.0
W.B.	244+83	TO	250+50	SKIP-DASH	150.0
STATION EQUATION	250+50 (BK)	=	150+56 (AH)		
W.B.	150+56	TO	156+84	SKIP-DASH	160.0
W.B.	158+13	TO	183+11	SKIP-DASH	630.0
W.B.	184+22	TO	203+15	SKIP-DASH	480.0
W.B.	204+77	TO	212+35	SKIP-DASH	190.0
SUBTOTAL=					3,590.0

708009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (CONT.)					
4" SOLID (WHITE)					
DIRECTION	STATION	TO	STATION	NO. OF LINES	LENGTH(FT.)
E.B.	229+63	TO	230+15	SKIP-DASH	53.0
E.B. SHOULDER	229+63	TO	229+78	SKIP-DASH	16.0
E.B. SHOULDER	231+47	TO	256+19	SKIP-DASH	2,473.0
E.B.	239+18	TO	243+75	SKIP-DASH	458.0
STATION EQUATION	250+50 (BK)	=	150+56 (AH)		
E.B.	153+34	TO	157+00	SKIP-DASH	366.0
E.B.	153+34	TO	159+70	SKIP-DASH	636.0
E.B. SHOULDER	158+17	TO	182+40	SKIP-DASH	2,423.0
E.B.	178+00	TO	183+08	SKIP-DASH	508.0
E.B. SHOULDER	184+30	TO	202+43	SKIP-DASH	1,813.0
E.B.	198+64	TO	203+14	SKIP-DASH	450.0
E.B.	198+64	TO	202+93	SKIP-DASH	429.0
E.B. SHOULDER	204+74	TO	216+75	SKIP-DASH	1,202.0
W.B. SHOULDER	229+63	TO	243+14	SKIP-DASH	1,352.0
W.B.	231+67	TO	233+50	SKIP-DASH	183.0
W.B.	245+19	TO	247+19	SKIP-DASH	200.0
W.B. SHOULDER	245+53	TO	250+50	SKIP-DASH	498.0
STATION EQUATION	250+50 (BK)	=	150+56 (AH)		
W.B. SHOULDER	150+56	TO	156+80	SKIP-DASH	624.0
W.B. SHOULDER	158+50	TO	182+86	SKIP-DASH	2,437.0
W.B.	158+15	TO	160+22	SKIP-DASH	207.0
W.B.	158+15	TO	160+31	SKIP-DASH	217.0
W.B.	184+23	TO	186+27	SKIP-DASH	205.0
W.B.	184+23	TO	186+27	SKIP-DASH	205.0
W.B. SHOULDER	184+63	TO	202+15	SKIP-DASH	1,752.0
W.B.	204+55	TO	207+80	SKIP-DASH	325.0
W.B. SHOULDER	205+00	TO	216+75	SKIP-DASH	1,176.0
AIRPORT RD.	80+38	TO	80+63	SKIP-DASH	26.0
SUBTOTAL=					20,234.0
GRAND TOTAL=					45,244.4
USE =					45,244.0

708009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"			
LOCATION	STATION	DIRECTION	LENGTH (FT)
CARNAHAN DR.	229+65	ISLAND	178.3
AIRPORT RD.	244+15	ISLAND	182.4
TRINITY LANE	156+79	ISLAND & TURN LANE	191.9
CH 29	202+94	RT ISLAND	189.8
CH 29	203+12	LT ISLAND	147.2
TOTAL =			889.6
USE =			890.0

SCHEDULE OF QUANTITIES

78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12"				
YELLOW				
LOCATION	STATION	TO	STATION	LENGTH (FT)
STRIPED MEDIAN	152+78	TO	156+81	71.5
STRIPED MEDIAN	158+22	TO	160+89	51.7
STRIPED MEDIAN	177+60	TO	183+04	124.0
STRIPED MEDIAN	184+27	TO	186+90	61.3
STRIPED MEDIAN	197+48	TO	198+52	49.7
	208+07	TO	215+58	192.6
TRINITY LANE	64+63	TO	65+12	50.9
YELLOW TOTAL=				601.7
WHITE				
LOCATION	STATION	TO	STATION	LENGTH (FT)
CARNAHAN DR. ISLAND	230+26			87.4
AIRPORT RD. ISLAND	244+65			91.0
TRINITY LANE ISLAND	156+79			101.9
CH 29 ISLAND	202+94			145.7
CH 29 ISLAND	203+12			94.6
TRINITY LANE ISLAND	64+69	TO	65+12	51.1
WHITE TOTAL=				571.7
TOTAL=				1,173.4
USE =				1,174.0

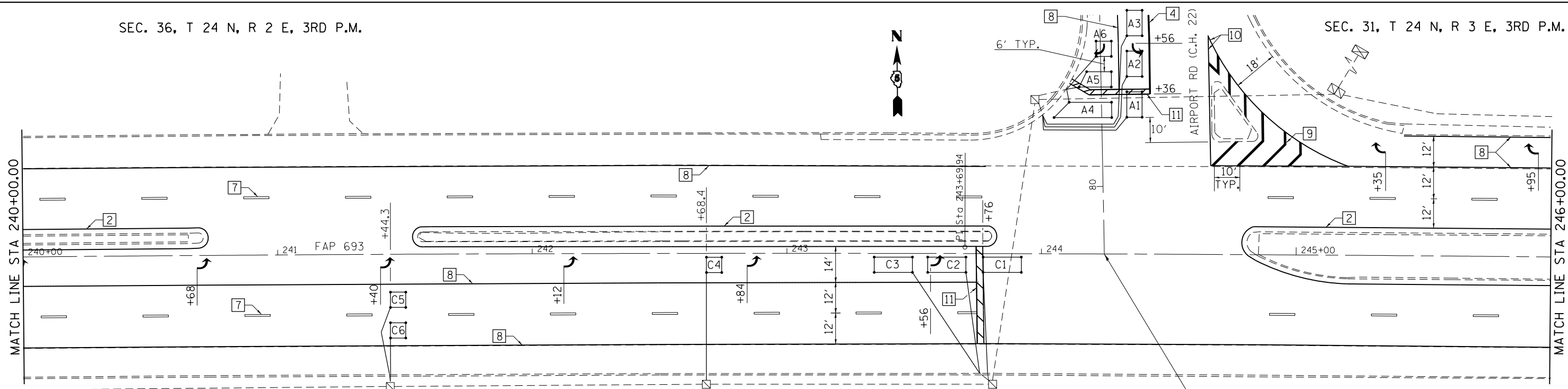
708009024 MODIFIED URETHANE PAVEMENT MARKING - LINE 24"			
LOCATION	STATION	DIRECTION	LENGTH (FT)
FAP 693	230+40	EB	24.0
CARNAHAN DR	11+04	NB	18.4
CARNAHAN DR	11+06	SB	18.0
FAP 693	231+65	WB	38.0
FAP 693	243+77	EB	38.2
AIRPORT RD	80+46	SB	32.8
FAP 693	156+84	EB	12.0
FAP 693	157+00	EB	24.0
TRINITY LN	65+12	SB	36.0
TRINITY LN	65+13	SB	18.0
FAP 693	158+15	WB	45.2
FAP 693	158+22	WB	12.0
FAP 693	183+10	EB	36.0
FAP 693	184+21	WB	65.0
FAP 693	203+16	EB	28.0
CH 29	619+12	SB	22.0
CH 29	620+43	WB	22.0
FAP 693	204+53	WB	51.7
TOTAL=			541.3
USE =			542.0

88600100 DETECTOR LOOP, TYPE 1	
INTERSECTION	LENGTH (FOOT)
CARNAHAN DRIVE	859.0
AIRPORT ROAD	963.0
TOWANDA BARNES ROAD	1,227.0
TOTAL =	3,049.0

RAISED REFLECTIVE PAVEMENT MARKERS							
CORRESPONDING STRIPING - 4" SKIP-DASH (WHITE) WITH SINGLE RRPMS							
DIRECTION	STATION	TO	STATION	LENGTH (FT)	78100100		78300200
					ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBER (EACH)	RRPM REMOVAL (EACH)
E.B.	229+13	TO	229+94	81.0	2.0		2.0
E.B.	231+19	TO	243+26	1,207.0	16.0		16.0
E.B.	244+33	TO	250+00	567.3	8.0		8.0
STA. EQ.	250+00 (BK)	=	150+56 (AH)				
E.B.	150+56	TO	157+00	643.7	9.0		8.0
E.B.	158+20	TO	183+11	2,491.0	32.0		32.0
E.B.	184+22	TO	198+58	1,436.0	18.0		18.0
W.B.	229+13	TO	243+26	1,413.0	18.0		19.0
W.B.	244+33	TO	250+00	567.3	8.0		7.0
STA. EQ.	250+00 (BK)	=	150+56 (AH)				
W.B.	150+56	TO	156+84	627.7	8.0		8.0
W.B.	158+13	TO	183+11	2,498.0	32.0		32.0
W.B.	184+22	TO	203+15	1,893.0	24.0		24.0
W.B.	204+77	TO	209+48	471.0	6.0		7.0
SUBTOTAL=					181.0	0.0	181.0
CORRESPONDING STRIPING - 4" SOLID (WHITE) WITH SINGLE RRPMS							
DIRECTION	STATION	TO	STATION	LENGTH (FT)	ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBER (EACH)	RRPM REMOVAL (EACH)
E.B.	228+73	TO	230+36	163.0	5.0		5.0
E.B.	238+68	TO	243+26	458.0	12.0		12.0
STA. EQ.	250+00 (BK)	=	150+56 (AH)				
E.B.	153+34	TO	156+70	336.0	9.0		10.0
E.B.	153+34	TO	156+98	364.0	10.0		10.0
E.B.	178+00	TO	183+08	508.0	13.0		13.0
E.B.	198+64	TO	203+16	452.0	12.0		13.0
E.B.	198+64	TO	203+16	452.0	12.0		9.0
W.B.	231+17	TO	233+00	183.0	5.0		4.0
W.B.	244+15	TO	246+69	254.0	7.0		7.0
STA. EQ.	250+00 (BK)	=	150+56 (AH)				
W.B.	158+17	TO	160+30	213.0	6.0		5.0
W.B.	158+24	TO	160+22	198.0	5.0		
W.B.	184+22	TO	186+27	205.0	6.0		6.0
W.B.	184+22	TO	186+27	205.0	6.0		6.0
W.B.	204+55	TO	207+80	325.0	9.0		8.0
SUBTOTAL=					117.0	0.0	108.0
RAISED REFLECTIVE PAVEMENT MARKERS							
CORRESPONDING STRIPING - 4" DOUBLE SOLID (YELLOW) WITH SINGLE RRPMS							
DIRECTION	STATION	TO	STATION	LENGTH (FT)	78100100		78300200
					ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBER (EACH)	RRPM REMOVAL (EACH)
E.B. & W.B.	152+78	TO	156+84	406.0		22.0	22.0
E.B. & W.B.	158+20	TO	161+00	280.0		14.0	14.0
E.B. & W.B.	177+53	TO	183+11	558.0		14.0	16.0
E.B. & W.B.	184+22	TO	187+09	287.0		16.0	16.0
E.B. & W.B.	197+44	TO	199+62	218.0		12.0	12.0
E.B. & W.B.	199+62	TO	203+15	353.0		10.0	10.0
E.B. & W.B.	204+77	TO	216+75	1,198.0		30.0	30.0
SUBTOTAL=					0.0	118.0	120.0
GRAND TOTAL=					298.0	118.0	409.0
USE =						416.0	409.0

SEC. 36, T 24 N, R 2 E, 3RD P.M.

SEC. 31, T 24 N, R 3 E, 3RD P.M.



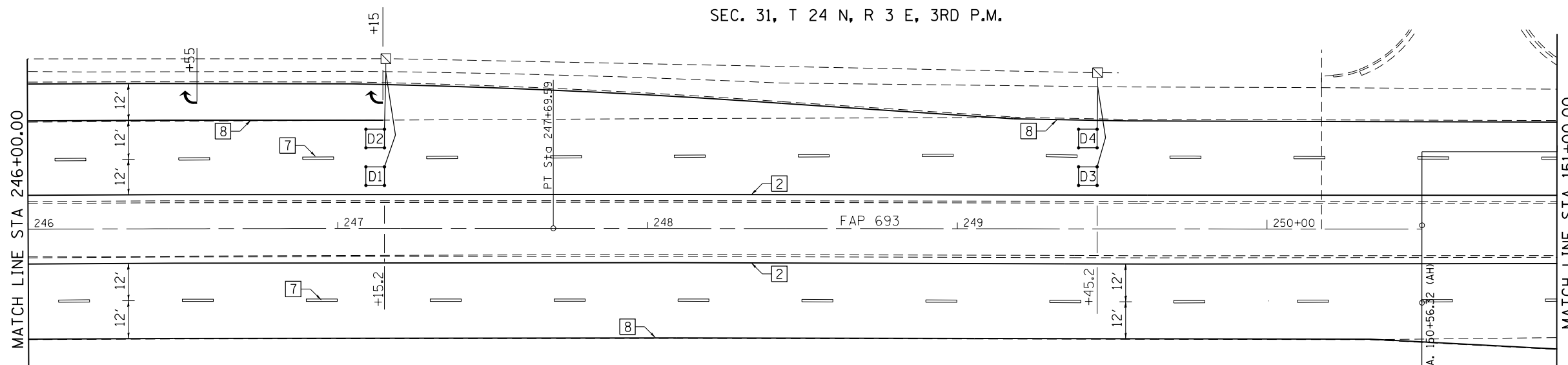
SEC. 1, T 23 N, R 2 E, 3RD P.M.

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |

STA. 244+24.68 (FAP 693) =
STA. 79+79.44 (AIRPORT RD.)

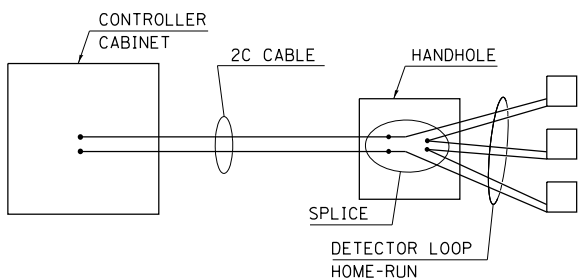
SEC. 6, T 23 N, R 3 E, 3RD P.M.

SEC. 31, T 24 N, R 3 E, 3RD P.M.



DETAIL OF DETECTOR LOOP WIRING

WIRED IN SERIES WITH SINGLE PAIR CABLE



LOOP DATA				
IL 9 & AIRPORT RD				
Loop	Length	Width	Number of Turns	Delay (sec.)
A1-2	10'	6'	3	
A3	10'	6'	3	
A4	6'	22'16"	3	10
A5	6'	12'9"	3	10
A6	6'	6'	3	10
C1	15'	6'	3	
C2-3	15'	6'	3	
C4	6'	6'	4	
C5	6'	6'	5	
C6	6'	6'	5	
C7-8	6'	6'	5	
D1	6'	6'	3	
D2	6'	6'	3	
D3-4	6'	6'	3	

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON SINGLE PAIR LEAD-IN CABLE: (A1, A2), (A3), (A4), (A5), (A6) (C1), (C2, C3), (C4), (C5), (C6), (C7, C8), (D1), (D2), (D3, D4)

INTERSECTION QUANTITY
DETECTOR LOOP, TYPE 1= 963 FT.

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -
ca:\p\work\p\midot\ppersonbr\d0181149\D578787-Sht-pmk9.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
*MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

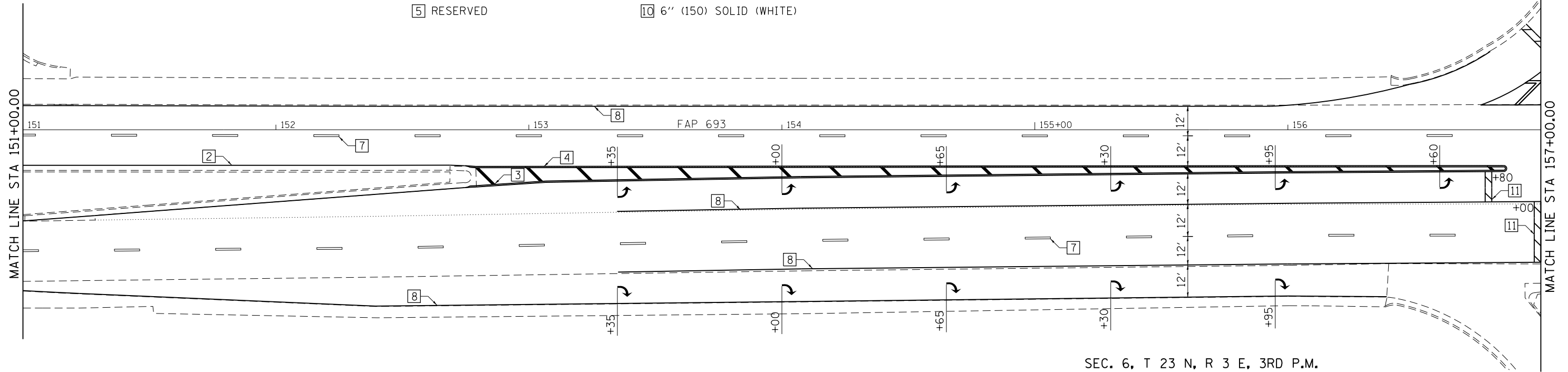
PAVEMENT MARKING PLAN

SCALE: SHEET 2 OF 8 SHEETS STA. 240+00 TO STA. 151+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	32
CONTRACT NO. 70787			ILLINOIS FED. AID PROJECT	

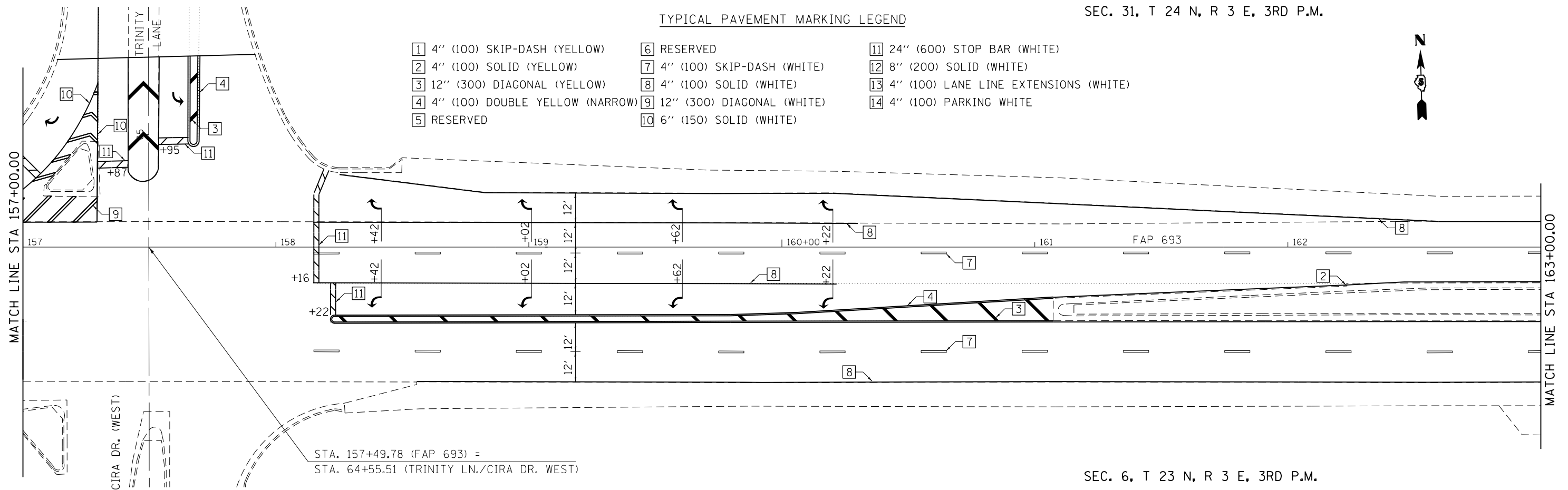
TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |



TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |

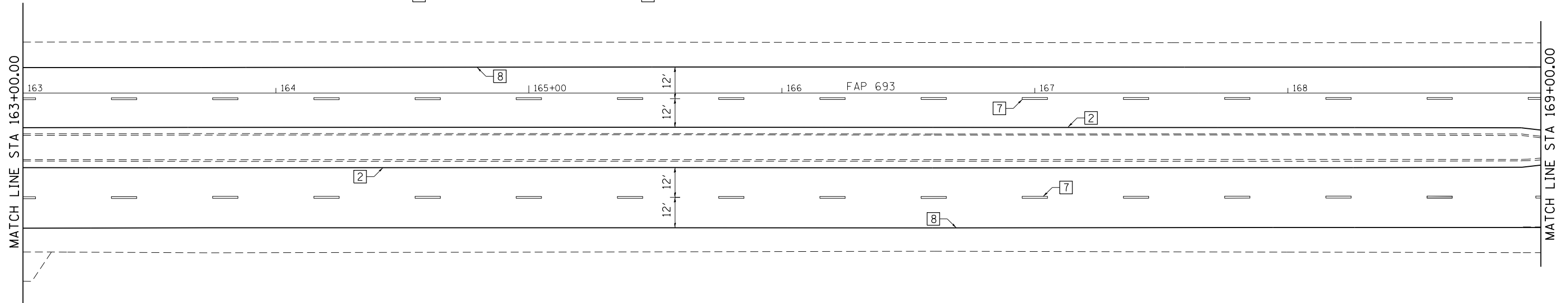


FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwork\pwork\pwork\personbr\d0181149\0570787-Sht-pmk9.dgn	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -			693	(FR/RS-1)	MCLEAN	48	33	
MODELNAME	PLOT DATE = 6/13/2014	CHECKED -	REVISED -			CONTRACT NO. 70787					
		DATE -	REVISED -			SCALE:	SHEET 3 OF 8 SHEETS	STA. 151+00 TO STA. 163+00	ILLINOIS FED. AID PROJECT		

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |

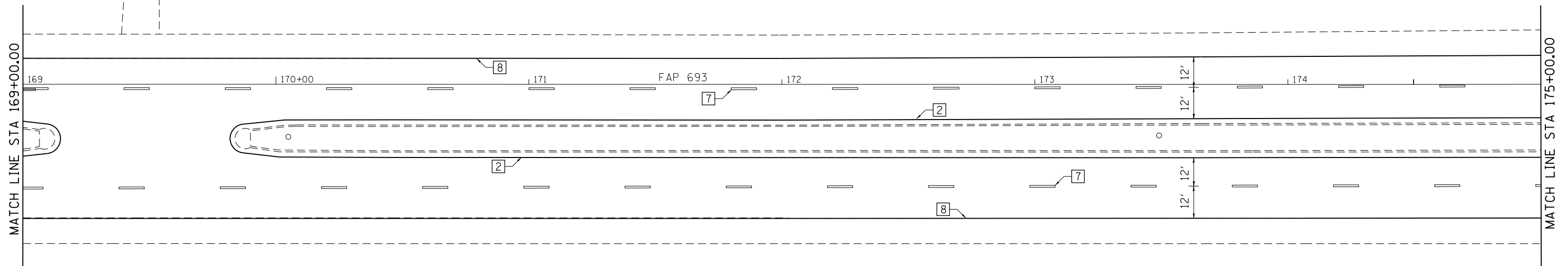


SEC. 6, T 23 N, R 3 E, 3RD P.M.

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |



SEC. 6, T 23 N, R 3 E, 3RD P.M.

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

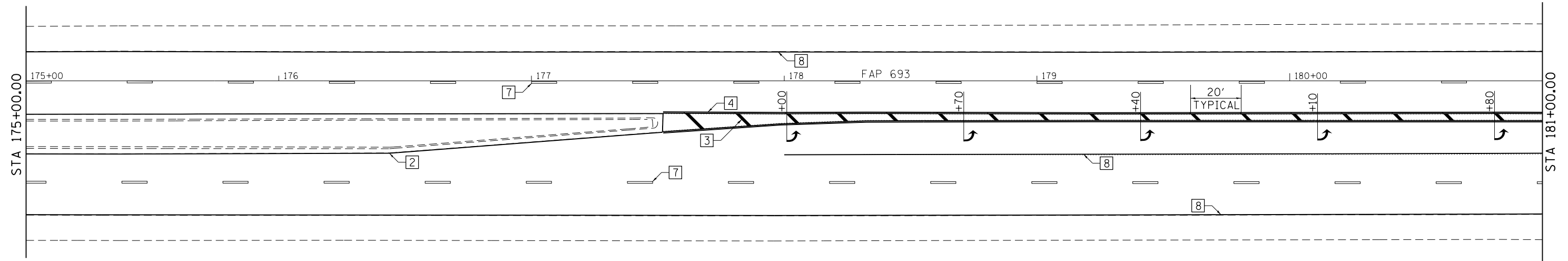
SCALE: SHEET 4 OF 8 SHEETS STA. 163+00 TO STA. 175+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	34
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|-----------------------------------|------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 6 RESERVED | 11 24" (600) STOP BAR (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 7 4" (100) SKIP-DASH (WHITE) | 12 8" (200) SOLID (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 8 4" (100) SOLID (WHITE) | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 9 12" (300) DIAGONAL (WHITE) | 14 4" (100) PARKING WHITE |
| 5 RESERVED | 10 6" (150) SOLID (WHITE) | |

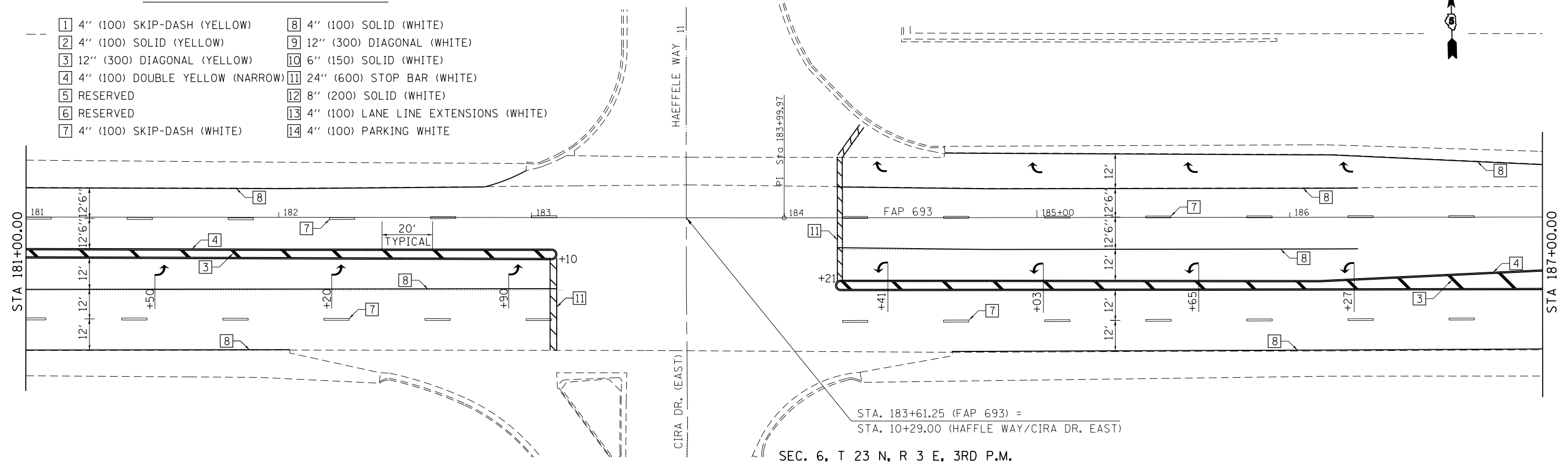


SEC. 6, T 23 N, R 3 E, 3RD P.M.

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 RESERVED | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 7 4" (100) SKIP-DASH (WHITE) | 14 4" (100) PARKING WHITE |



SEC. 6, T 23 N, R 3 E, 3RD P.M.

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -
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	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

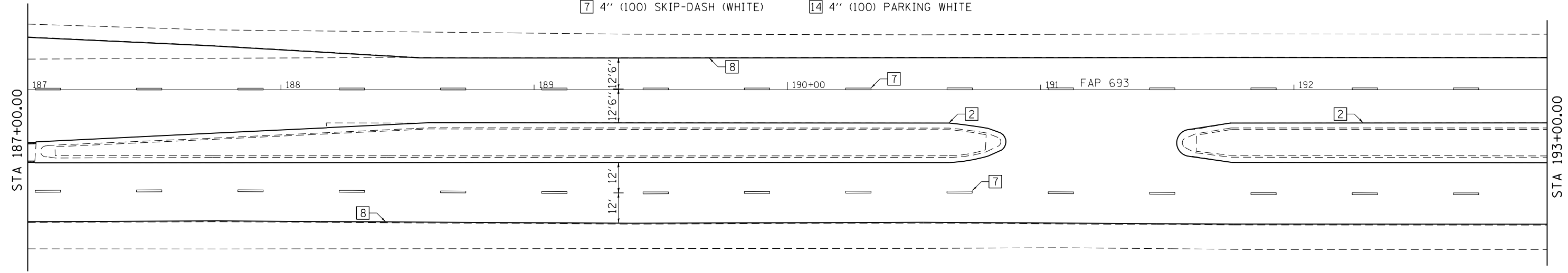
SCALE: SHEET 5 OF 8 SHEETS STA. 175+00 TO STA. 187+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	35
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 RESERVED | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 7 4" (100) SKIP-DASH (WHITE) | 14 4" (100) PARKING WHITE |

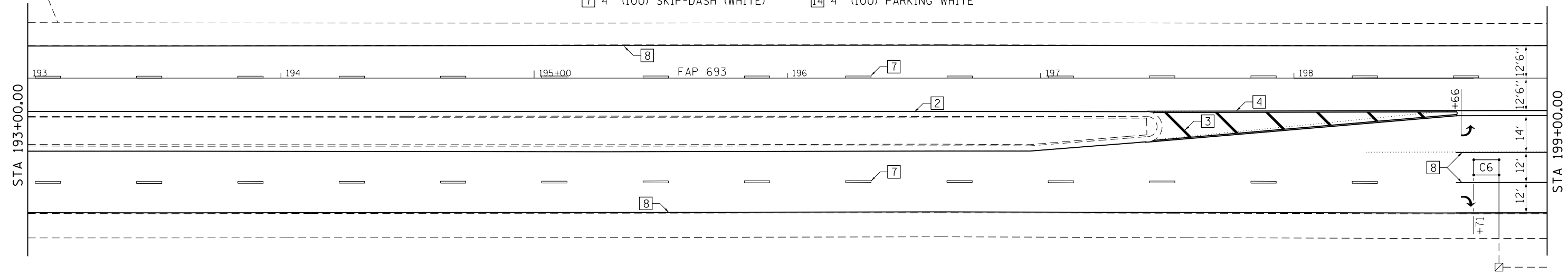


SEC. 6, T 23 N, R 3 E, 3RD P.M.

SEC. 31, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 RESERVED | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 7 4" (100) SKIP-DASH (WHITE) | 14 4" (100) PARKING WHITE |



SEC. 6, T 23 N, R 3 E, 3RD P.M.

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -
et:\pw\work\p\midot\ppersonbr\d0181149\0570787-Sht-pmk9.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

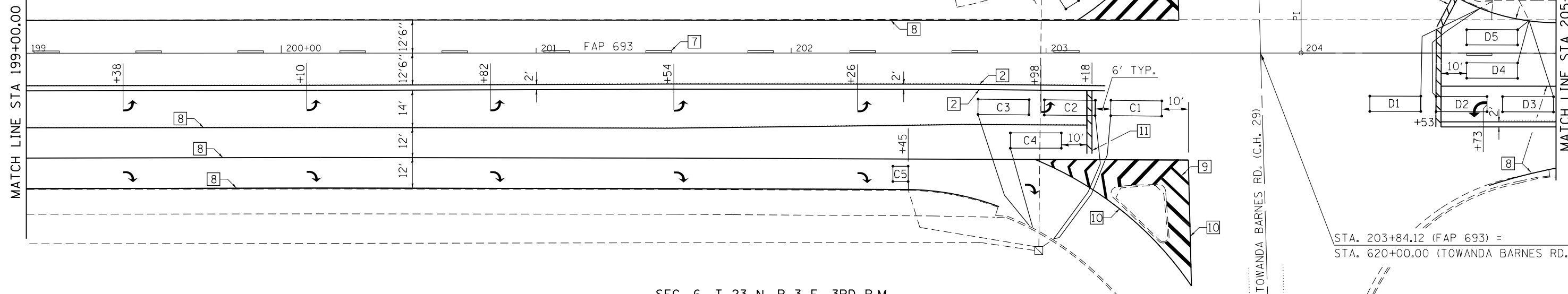
PAVEMENT MARKING PLAN

SCALE: SHEET 6 OF 8 SHEETS STA. 187+00 TO STA. 199+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	36
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				

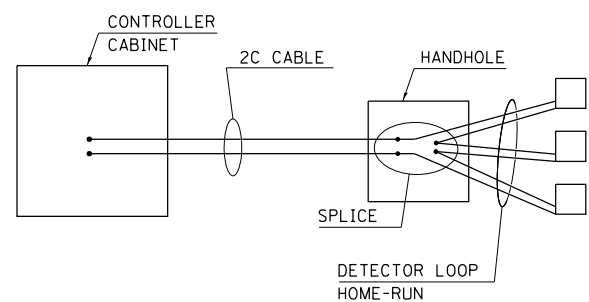
TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 RESERVED | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 7 4" (100) SKIP-DASH (WHITE) | 14 4" (100) PARKING WHITE |



DETAIL OF DETECTOR LOOP WIRING

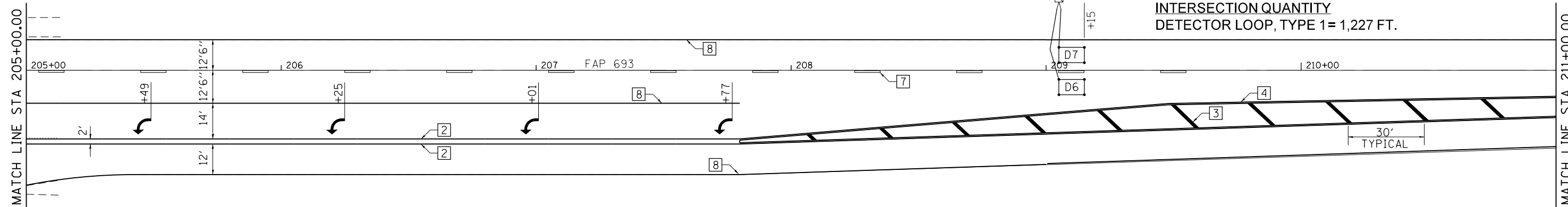
WIRED IN SERIES WITH SINGLE PAIR CABLE



LOOP DATA				
IL 9 & TOWANDA BARNES RD.				
Loop	Length	Width	Number of Turns	Delay (sec.)
A1	6'	12'	3	10
A2	6'	13'	3	10
A3-4	6'	14'	3	10
A5	6'	15'	3	
C1-4	20'	6'	3	
C5	6'	6'	3	
C6	10'	6'	4	
D1-5	6'	20'	3	
D6-7	6'	10'	4	

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON SINGLE PAIR LEAD-IN CABLE: (A1, A2), (A3, A4), (A5), (C1, C2) (C3), (C4), (C5), (C6), (D1, D2), (D3), (D4), (D5), (D6), (D7)

INTERSECTION QUANTITY
DETECTOR LOOP, TYPE 1= 1,227 FT.



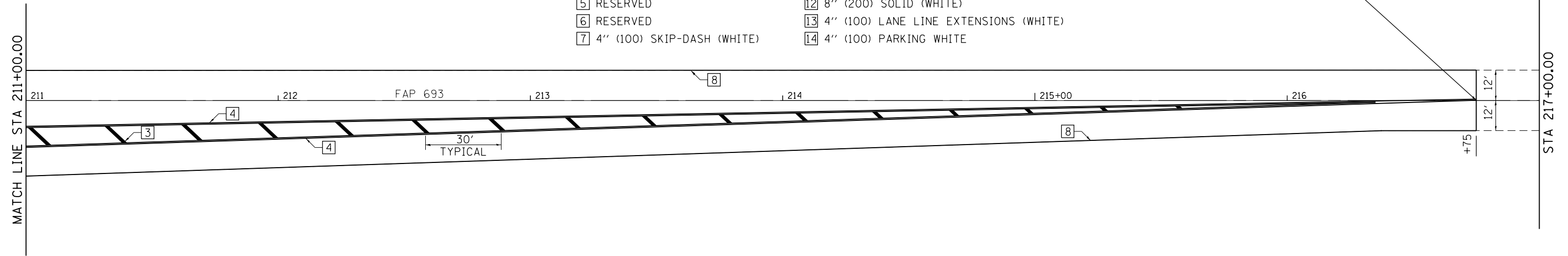
SEC. 32, T 24 N, R 3 E, 3RD P.M.

TYPICAL PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|--|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 RESERVED | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) LANE LINE EXTENSIONS (WHITE) |
| 7 4" (100) SKIP-DASH (WHITE) | 14 4" (100) PARKING WHITE |



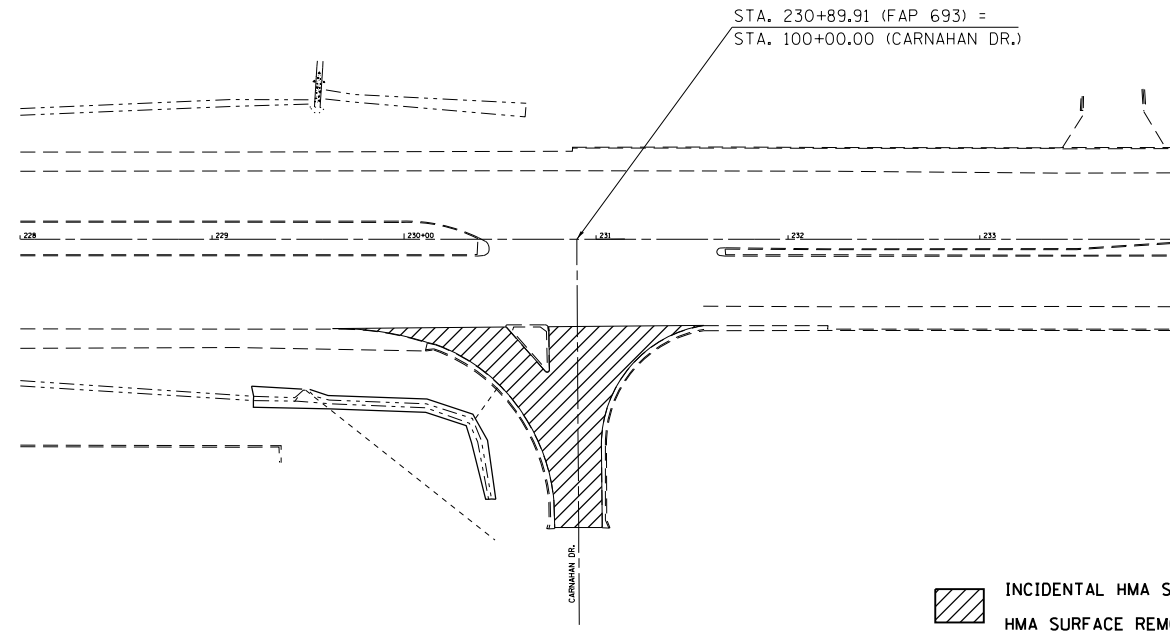
END SECTION (FR)RS-1
STA. 216+75



SEC. 5, T 23 N, R 3 E, 3RD P.M.

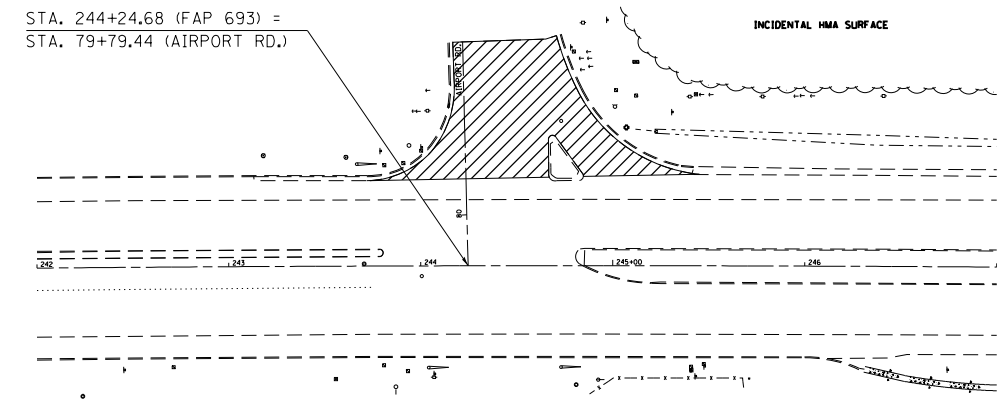
FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\pwidot\ppersonbr\d0181149\0570787-Sht-pmk9.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					693	(FR)RS-1	MCLEAN	48	38
#MODELNAME#	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET 8 OF 8 SHEETS STA. 211+00 TO STA. 216+75			CONTRACT NO. 70787				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

FAP 693 (IL 9) AT CARNAHAN DR.



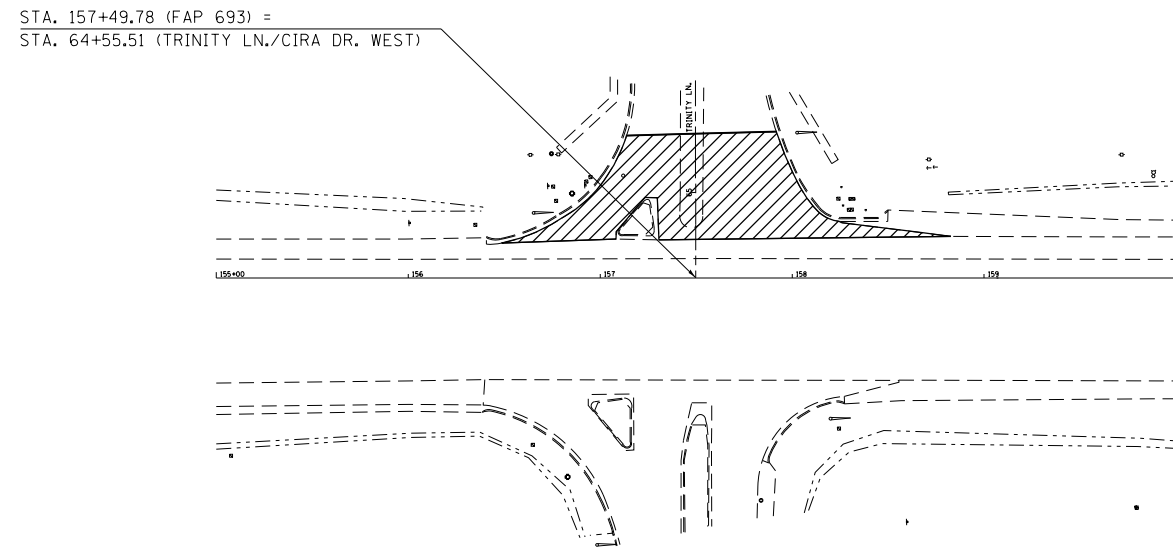
INCIDENTAL HMA SURFACE & HMA SURFACE REMOVAL SPECIAL

FAP 693 (IL 9) AT AIRPORT RD.



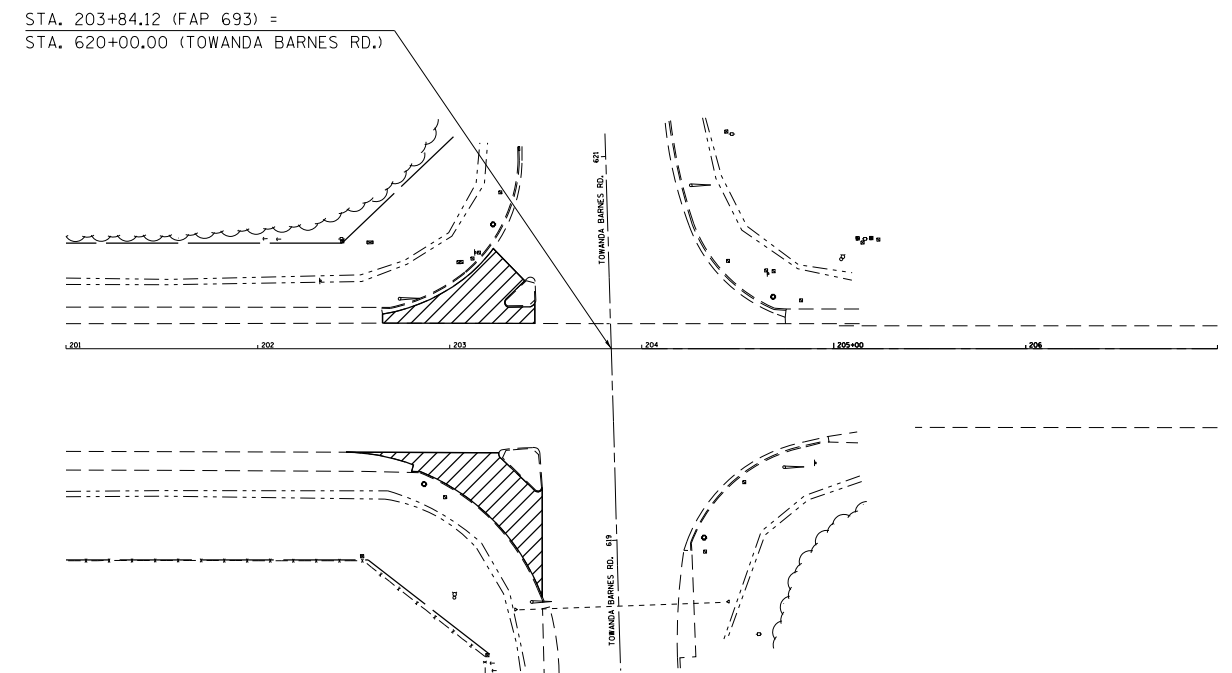
INCIDENTAL HMA SURFACE & HMA SURFACE REMOVAL SPECIAL

FAP 693 (IL 9) AT TRINITY LN.



INCIDENTAL HMA SURFACE & HMA SURFACE REMOVAL SPECIAL

FAP 693 (IL 9) AT TOWANDA BARNES RD.



INCIDENTAL HMA SURFACE & HMA SURFACE REMOVAL SPECIAL

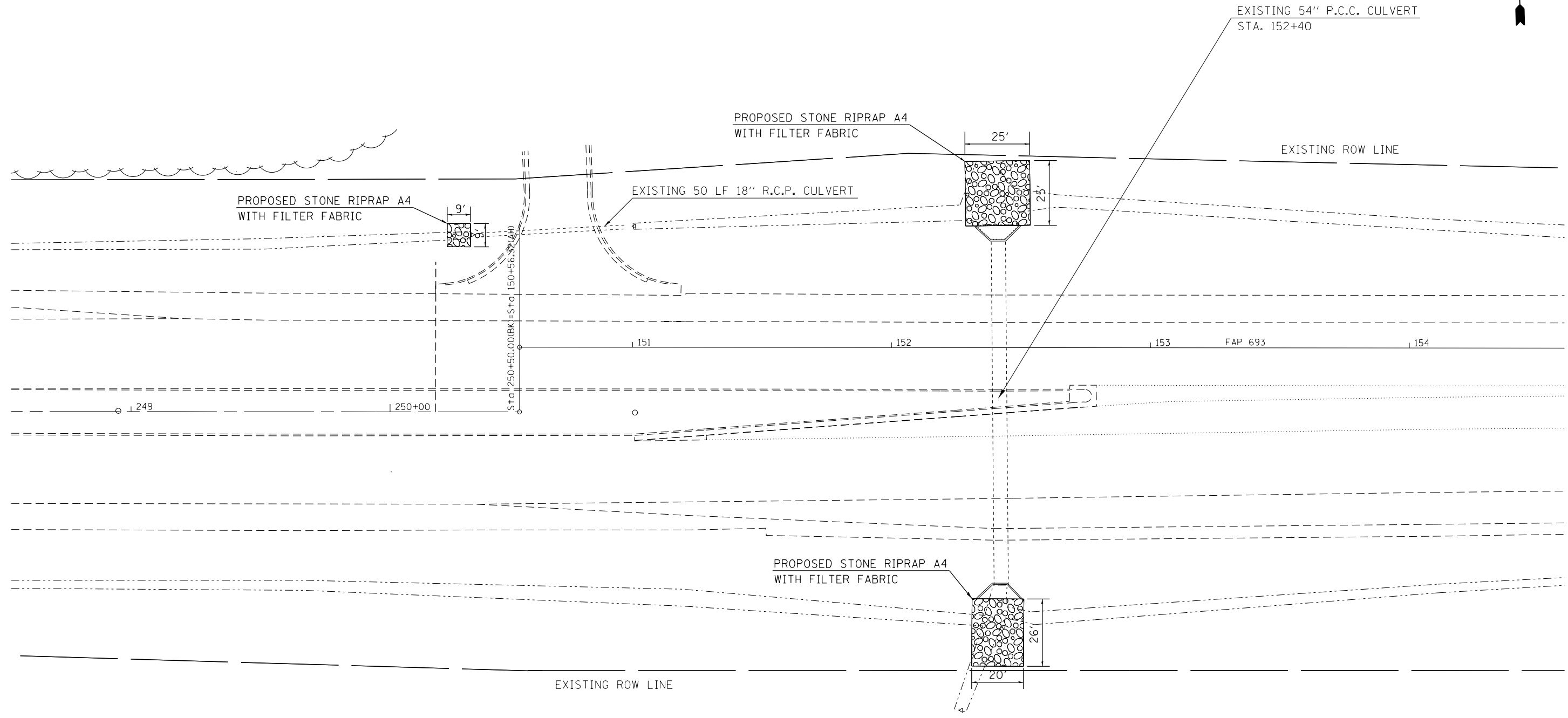
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#MODELNAME#	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INCIDENTAL HMA RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	39
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				



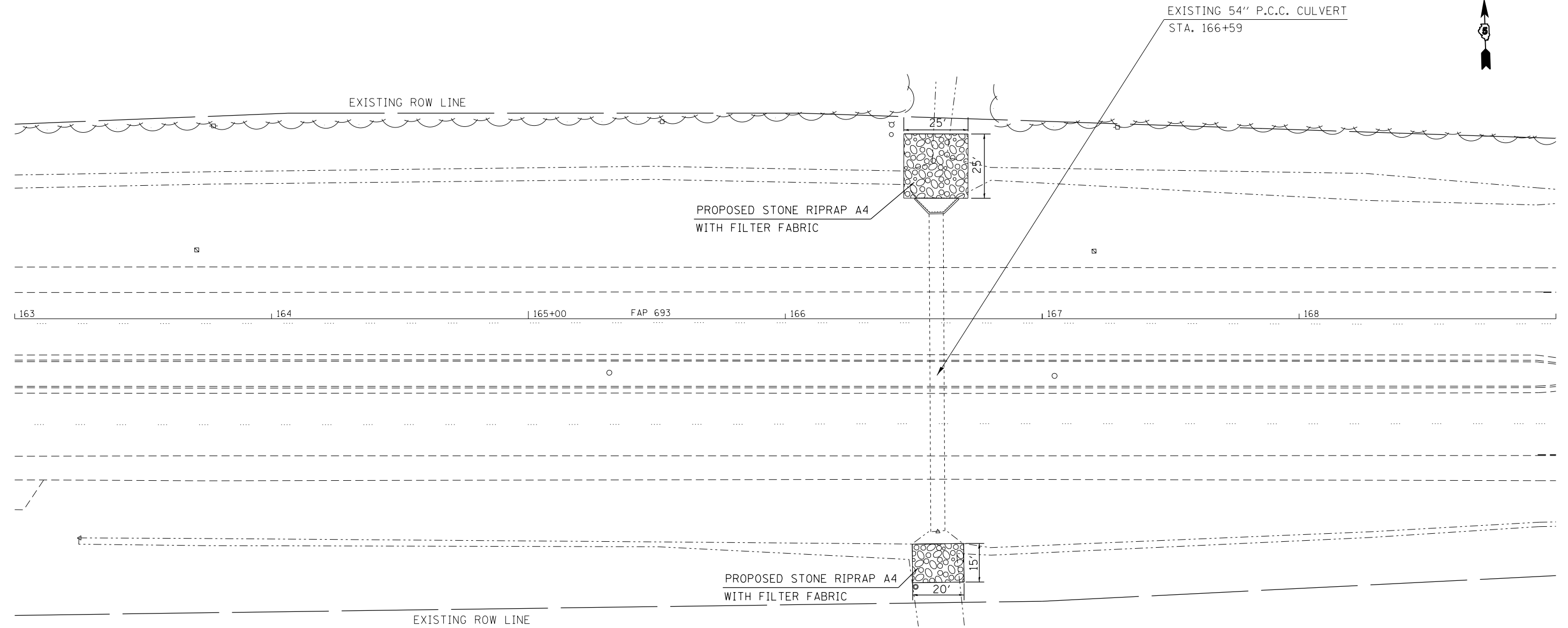
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ct:\pw\work\p\idot\ppersonbr\d0181149\0570787 Rip Rep.dgn		DRAWN -	REVISED -
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\$MODELNAME\$	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DITCH PROTECTION PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. 248+50 TO STA. 154+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	40
CONTRACT NO. 70787				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DITCH PROTECTION PLAN

SCALE: SHEET 2 OF 3 SHEETS STA. 163+00 TO STA. 169+00

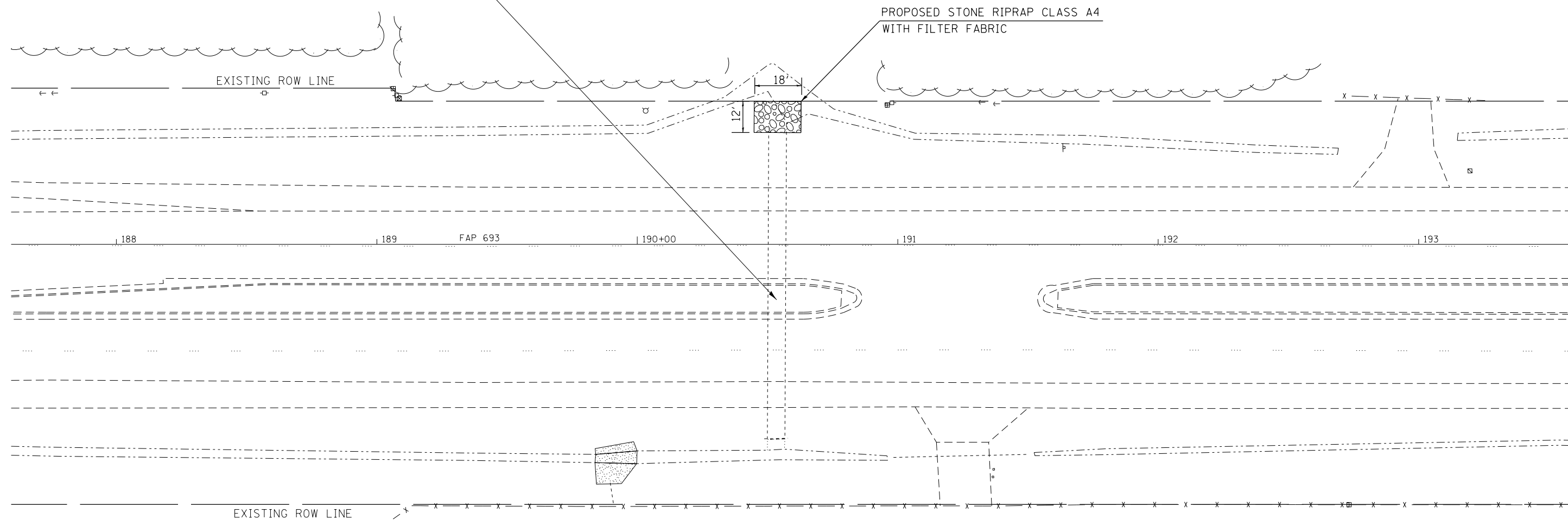
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	41
CONTRACT NO. 70787			ILLINOIS FED. AID PROJECT	



EXISTING SN 057-8225
R.C.B.C. 8' x 3' x 112'

PROPOSED STONE RIPRAP CLASS A4
WITH FILTER FABRIC

EXISTING ROW LINE



EXISTING ROW LINE

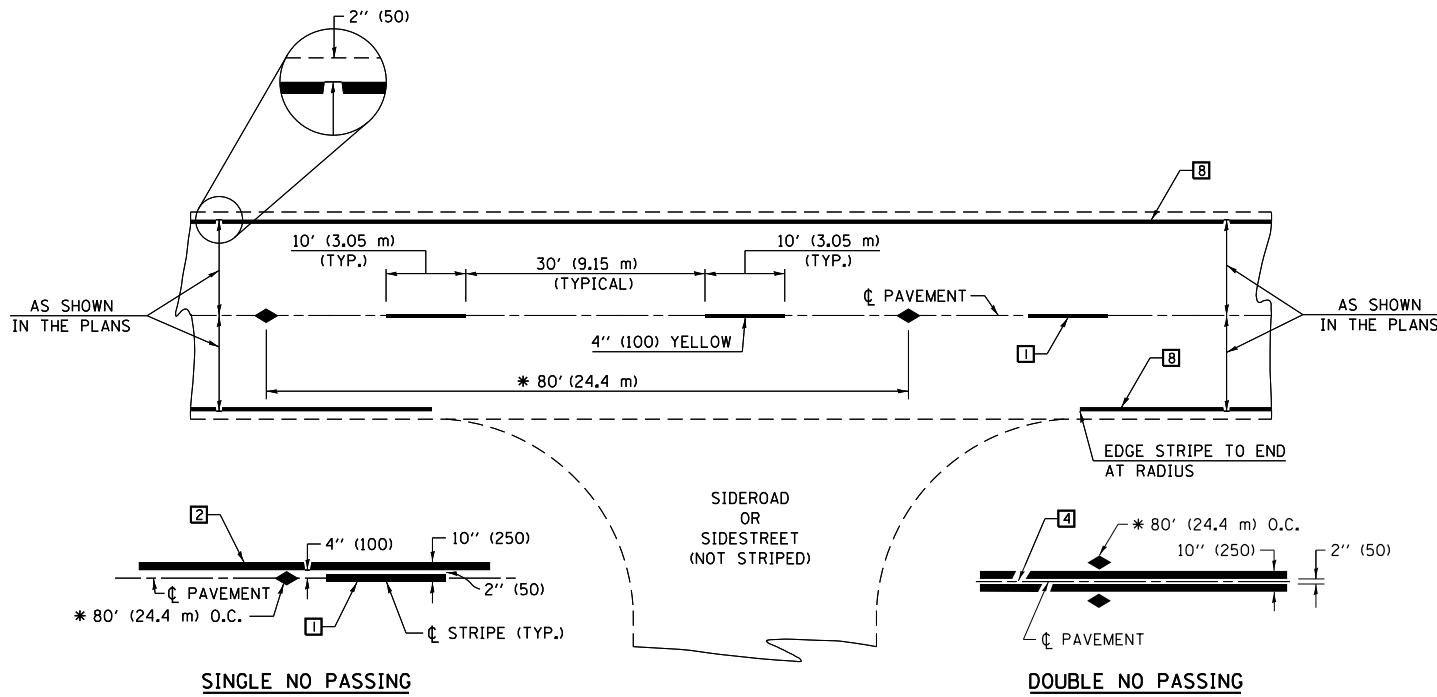
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\$MODELNAME\$	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DITCH PROTECTION PLAN

SCALE: SHEET 3 OF 3 SHEETS STA. 187+50 TO STA. 193+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	42
CONTRACT NO. 70787				
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

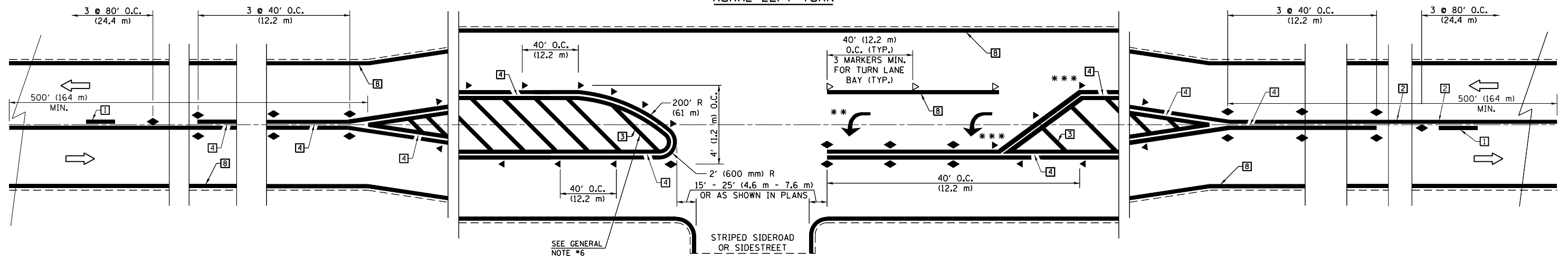
TYPICAL PAVEMENT MARKING LEGEND

- 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

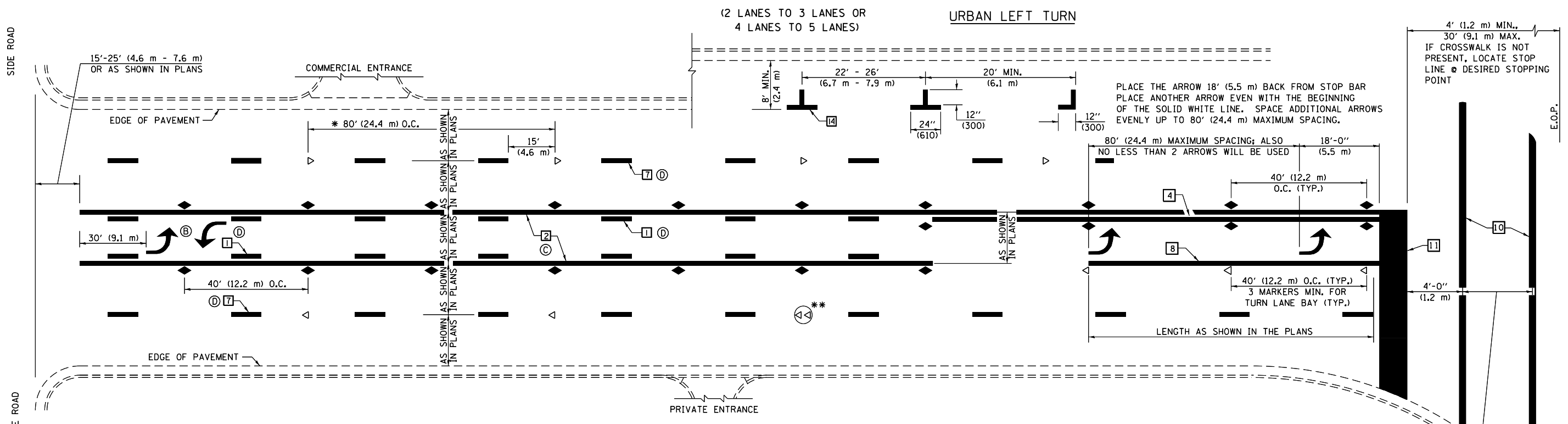
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et:\pwork\pwork\personbr\d0181149\0570787-sht-Details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

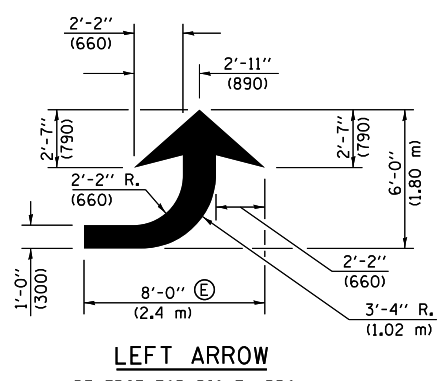
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FRIRS-1)	MCLEAN	48	43
CONTRACT NO. 70787				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



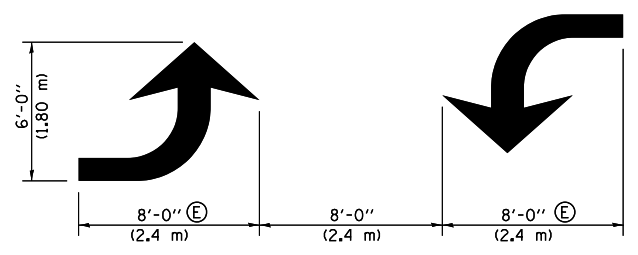
* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

- GENERAL NOTES:**
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
 - ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
 - ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
 - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

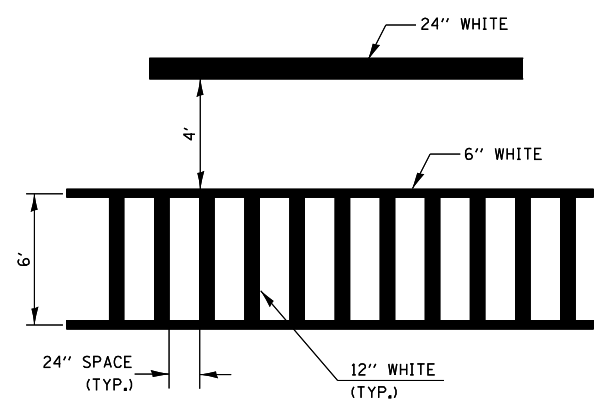


LEFT ARROW
 REVERSE FOR RIGHT ARROW
 AREA = 15.6 SQ. FT. (1.47 m²)
 (WHITE)

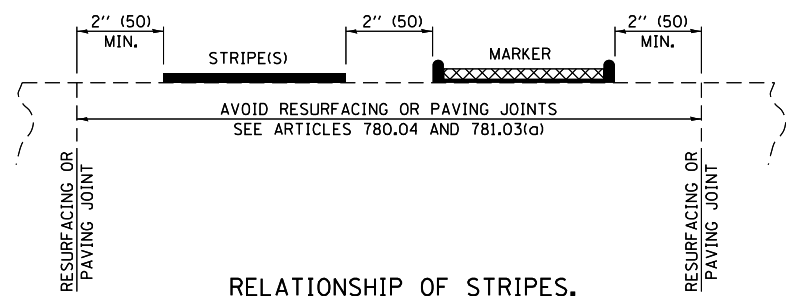


TYPICAL DOUBLE TURN ARROWS (WHITE)

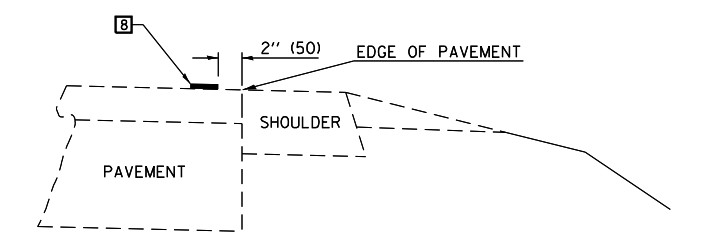
BLOOMINGTON-NORMAL CITY LIMITS ONLY



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

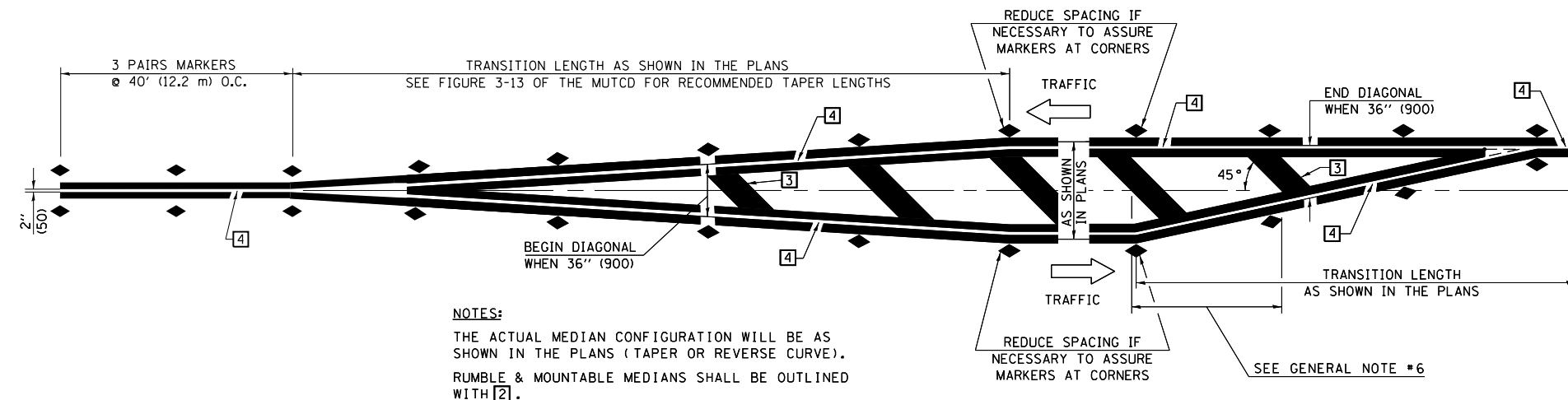
CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

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

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\pwork\personbr\d0181149\0570787-sht-Details.dgn	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED - 09/2009 - KJT			693	(FRIRS-1)	MCLEAN	48	44	
	PLOT DATE = 6/13/2014	CHECKED -	REVISED -			CONTRACT NO. 70787					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DISTRICT 5 DETAIL NO. 7800AAA

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

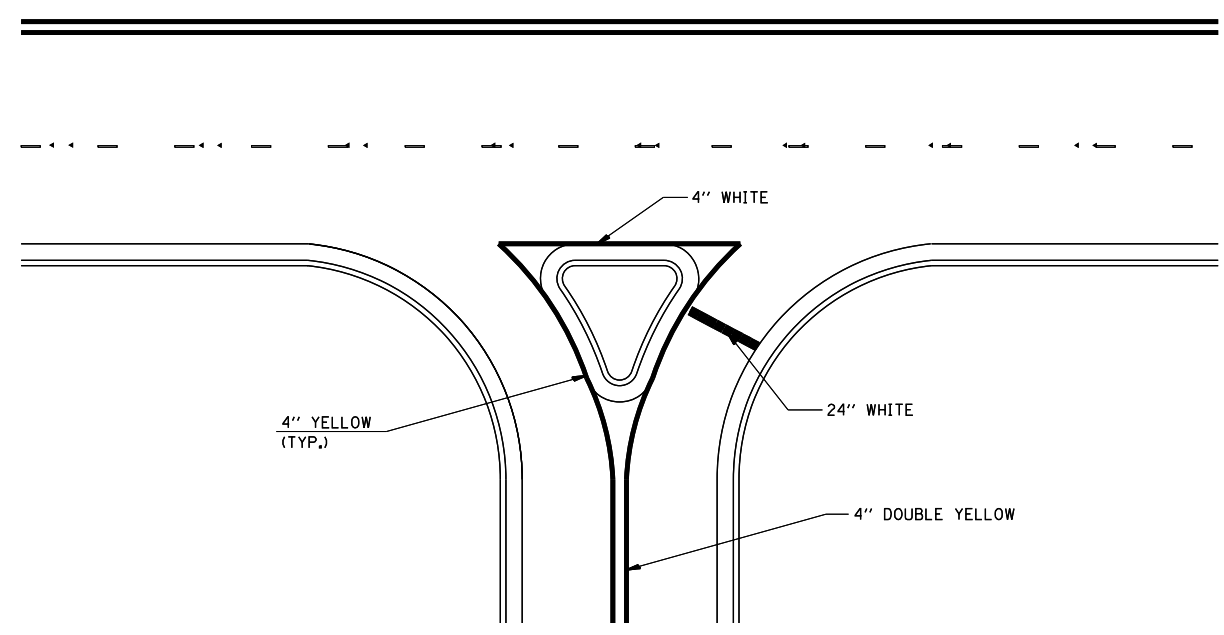


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

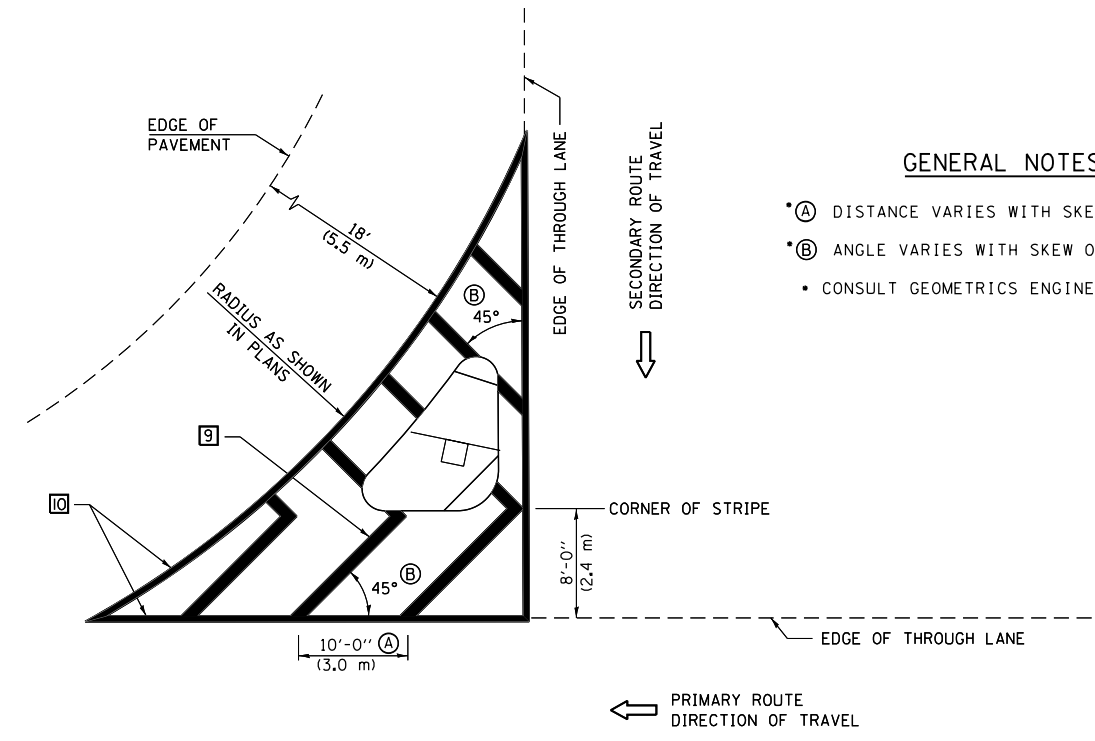
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

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

DISTRICT 5 DETAIL NO. 7800AAA

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06
et:\pw\work\p\pidot\ppersonbr\d0181149\0570787-sht-Details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

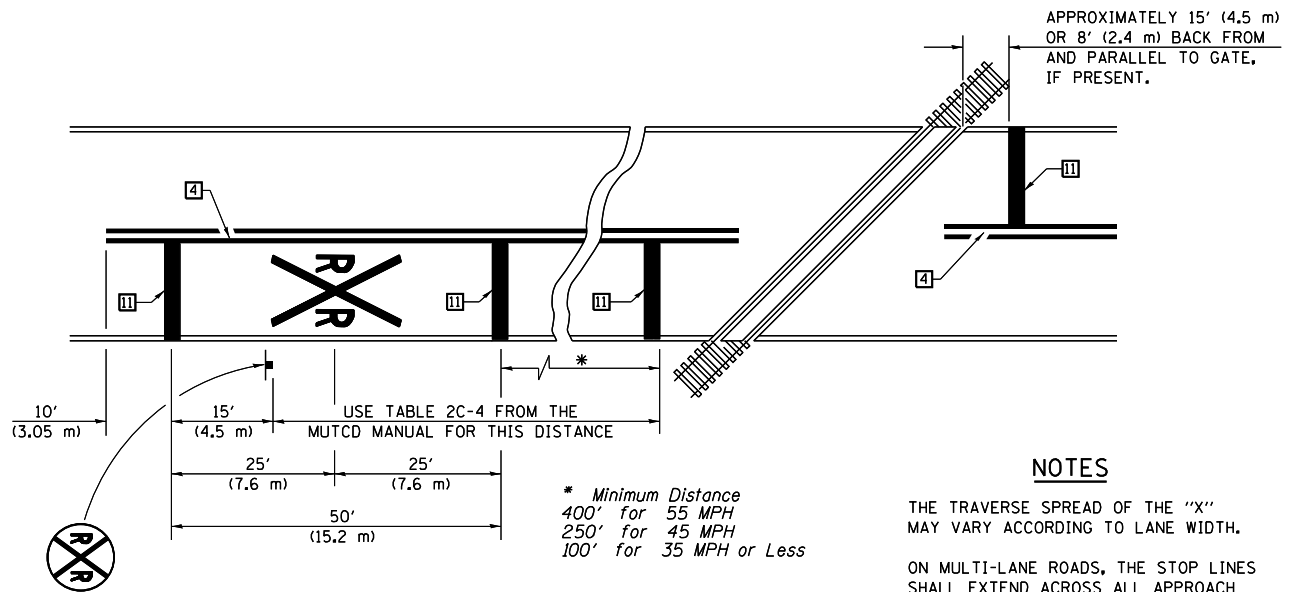
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FRIRS-1)	MCLEAN	48	45
CONTRACT NO. 70787				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



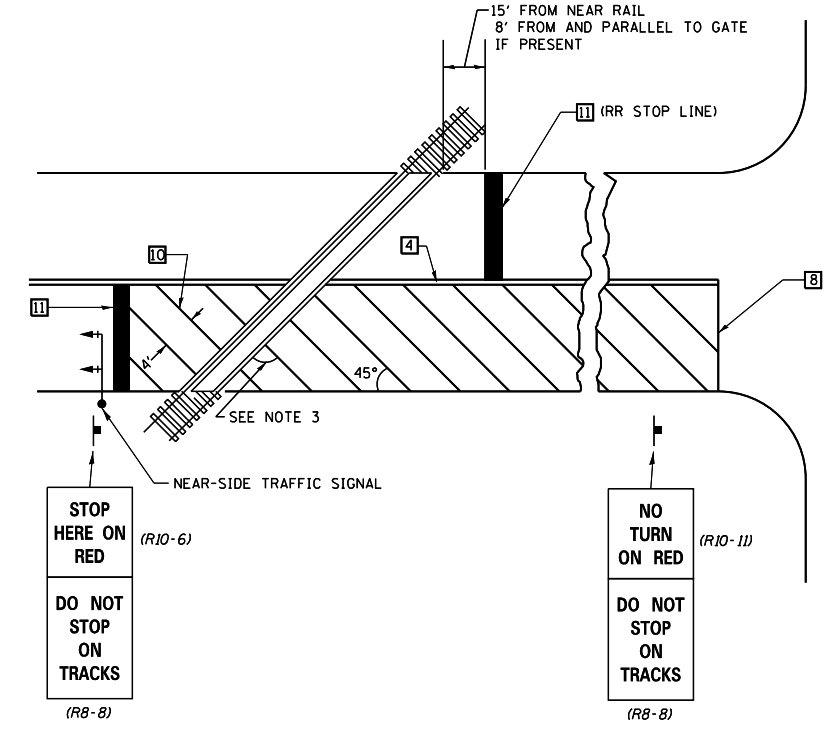
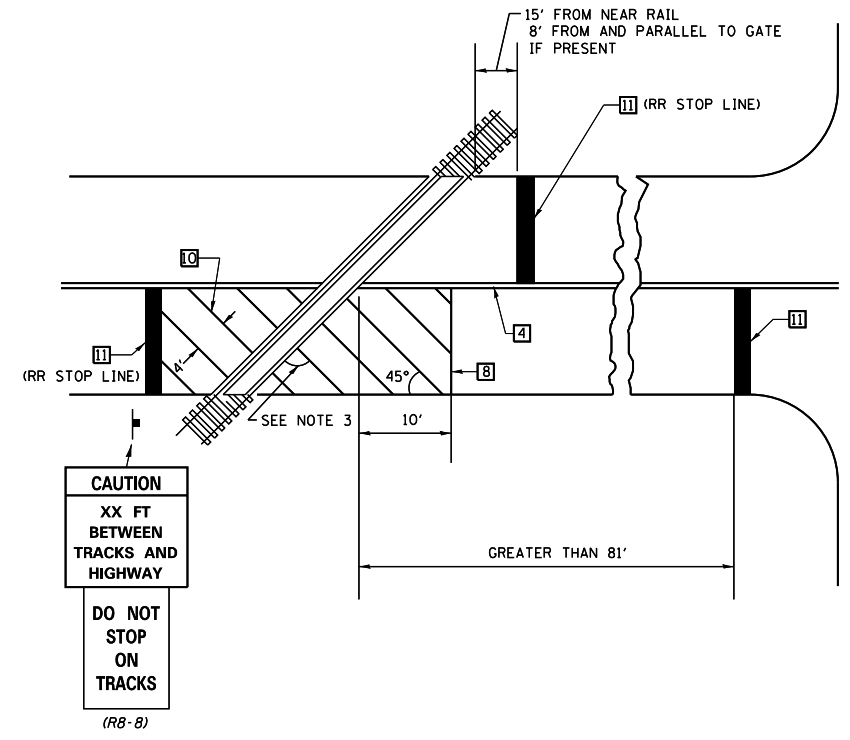
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

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

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

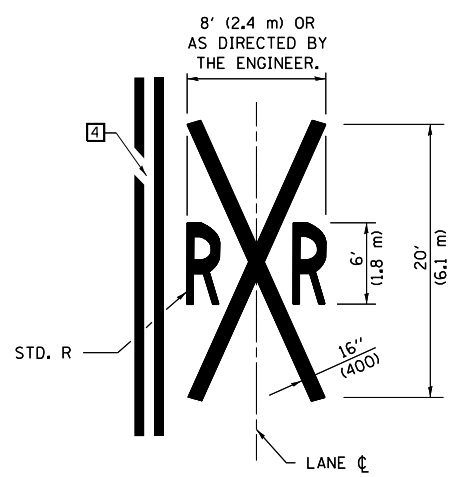
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



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

DISTRICT 5 DETAIL NO. 7800AAA

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06
et:\pwork\pwork\personbr\d0181149\0570787-sht-Details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

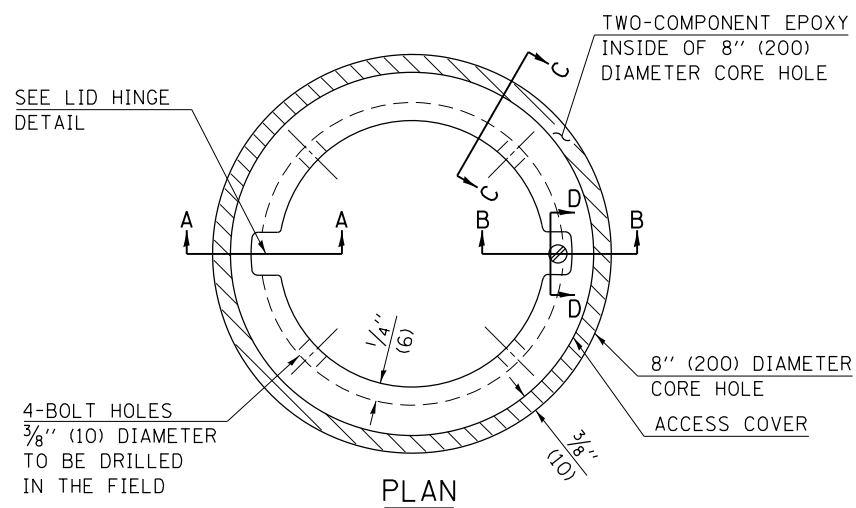
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

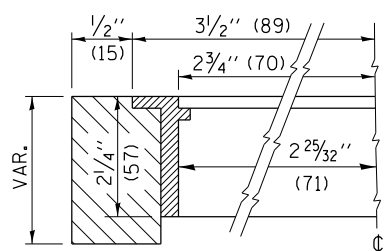
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FRIRS-1)	MCLEAN	48	46
CONTRACT NO. 70787				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



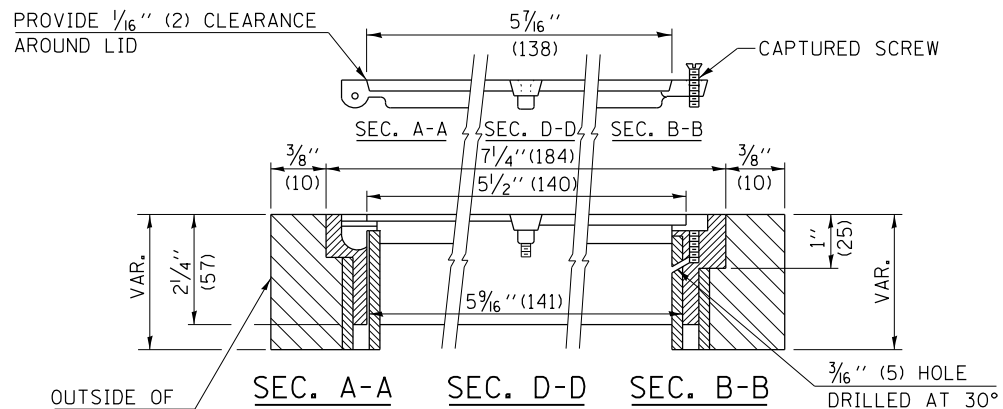
LEGEND

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

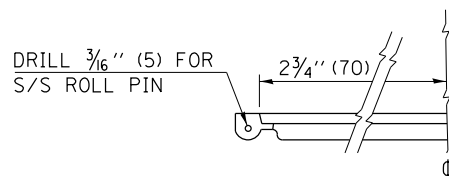


SECTION C-C

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; 00-A-601Es. NO EXCEPTIONS.



ELEVATION

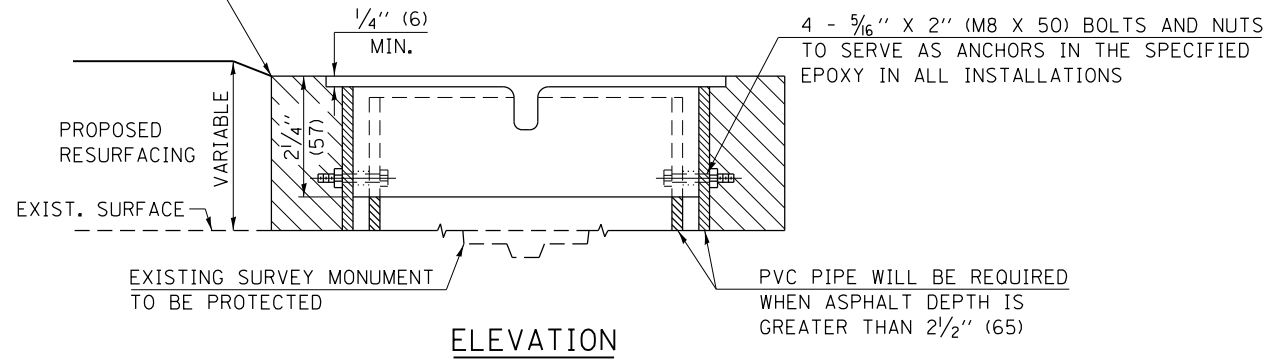


LID HINGE DETAIL

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

GENERAL NOTES

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



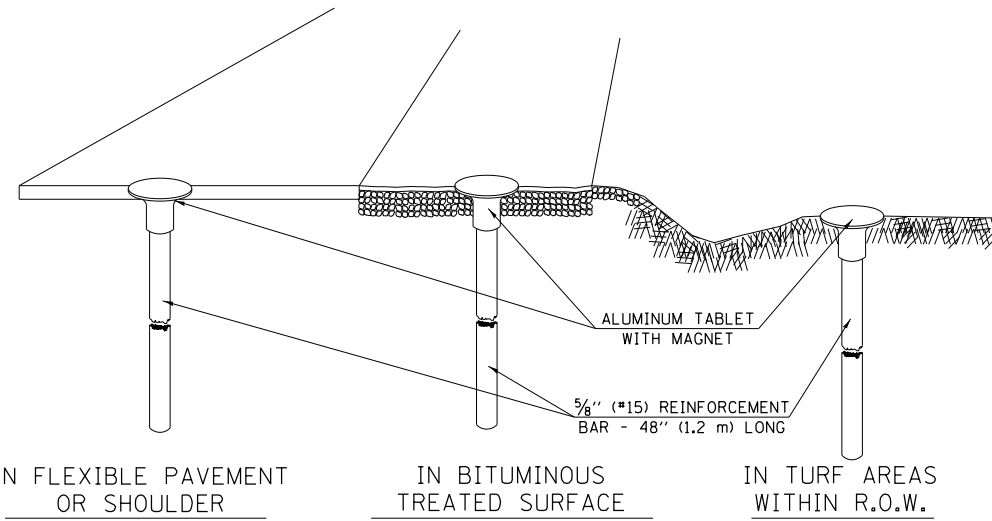
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. Z0070100

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MONUMENT COVER ASSEMBLY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\pwidot\personbr\d0181149\0570787-sht-Details.dgn		DRAWN -	REVISED -			693	(FR)RS-1	MCLEAN	48	47
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 70787				
PLOT DATE = 6/13/2014		DATE -	REVISED -			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.

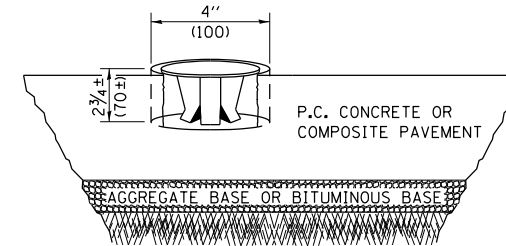
SPECIFICATIONS FOR REBAR

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)

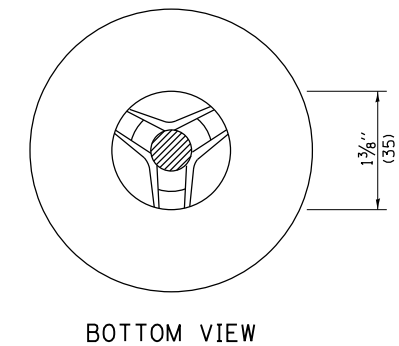
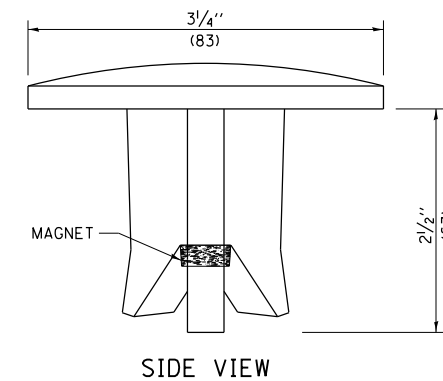
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



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; 00-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 FOR ALL LABOR AND MATERIAL REQUIRED 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 = ppersonbr	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(FR)RS-1	MCLEAN	48	48
CONTRACT NO. 70787				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				