

02-28-14 LETTING ITEM 026

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- 6-7 TYPICAL SECTIONS
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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

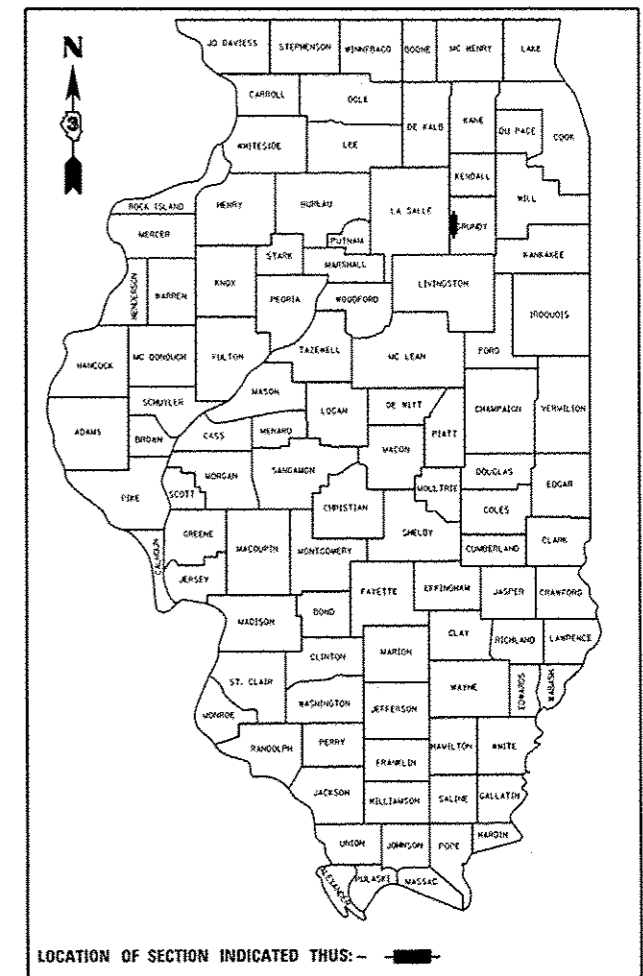
**F.A.P. ROUTE 623 (SENECA ROAD)
SECTION (40)RS**

**TYPE of IMPROVEMENT: 3P MILLING &
RESURFACING
GRUNDY COUNTY**

C-93-023-14

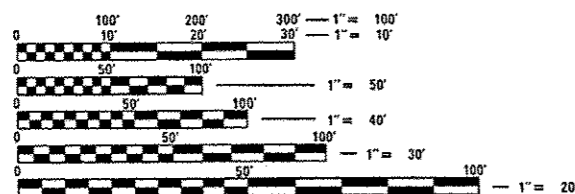
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(40)RS	GRUNDY	16	1
		ILLINOIS	CONTRACT NO. 66D30	

D-93-019-14



**FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL**

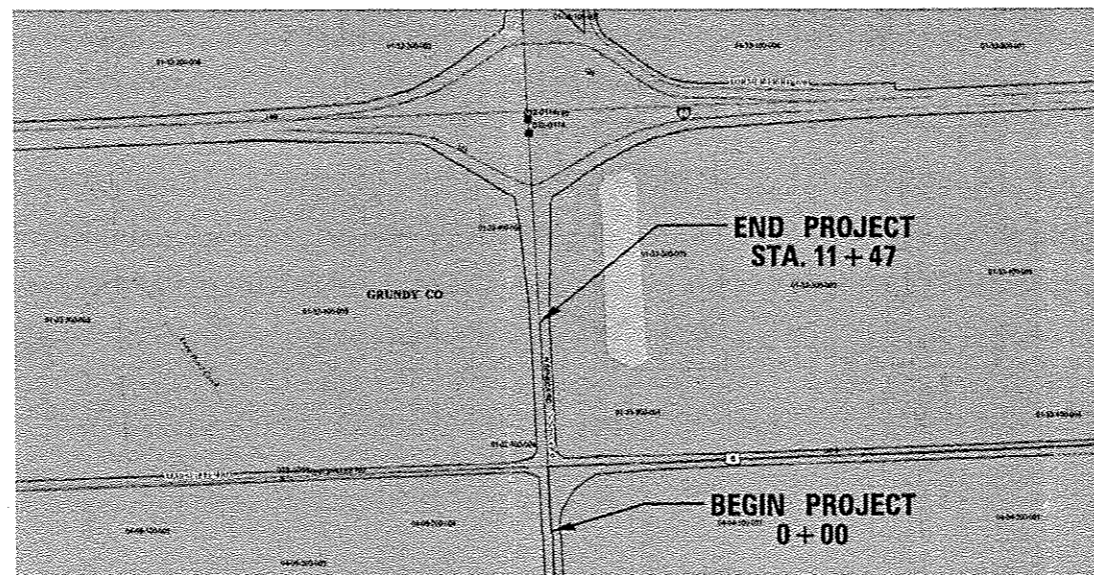
2010 ADT = 3850 VPD
PV = 84.42% SU = 5.19% MU = 10.39%



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

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

PROJECT ENGINEER – CRAIG REED, P.E.
PROJECT MANAGER – PAT BRABOY, P.E.
DISTRICT NO. (815)-434-6131
CONTRACT NO. 66D30



GROSS LENGTH = 1147.0 FT. = 0.22 MILE
NET LENGTH = 1147.0 FT. = 0.22 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 11/22/2013
Paul A. Lachson
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 24 2014
John D. Baranzoni
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 24 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMP FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.C.S. MEAN SEA LEVEL DATUM.

ADDITIONAL LEVELING BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 3/16"/FT. (1.5%) CROWN ON SECTIONS OF EXISTING ROADWAYS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLOWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

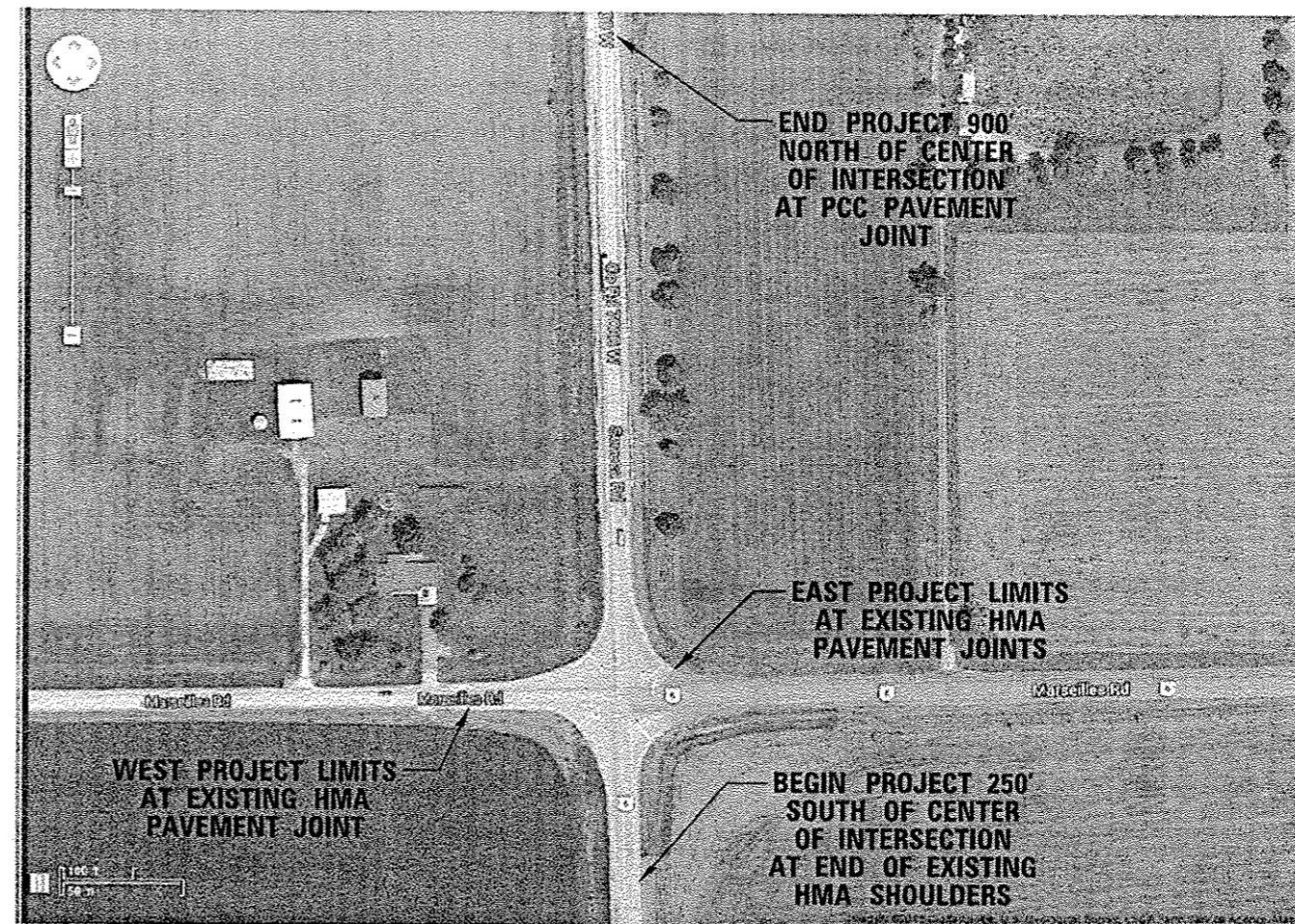
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ANY EXCAVATED MATERIAL WILL REMAIN ON SITE. NO EXCAVATED MATERIAL WILL BE ALLOWED TO LEAVE THE PROJECT LIMITS.

COMMITMENTS:

1. ENVIRONMENTAL COORDINATION



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Don Bevil*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 11-22-13

EXAMINED BY: *Wesley Phillips*
DISTRICT CONSTRUCTION ENGINEER

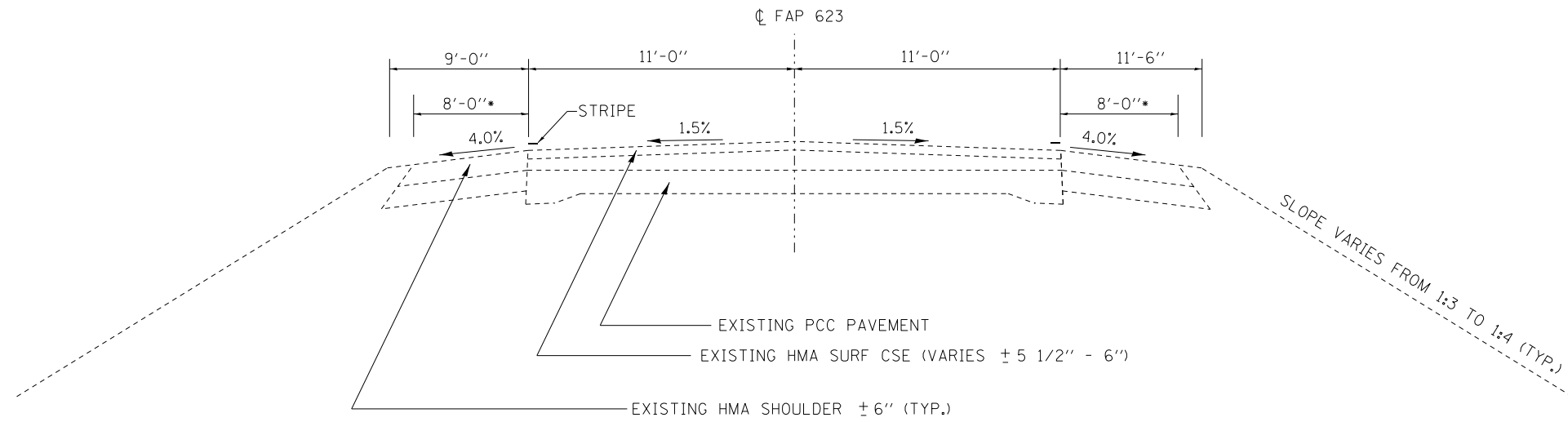
Wayne Phillips
DISTRICT MATERIALS ENGINEER

James A. Hucker
DISTRICT OPERATIONS ENGINEER

FILE NAME * c:\pwwork\pilot\pilotshtr\108363862\0386030-shr-cover.dgn	USER NAME * plntschtr	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND LOCATION MAP	F.A.P. RTE. 623	SECTION (40)RS	COUNTY GRUNDY	TOTAL SHEETS 16	SHEET NO. 2
PLOT SCALE * 1" = 800'	CHECKED -	REVISED -	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 66D30				
PLOT DATE * 11/22/2013	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

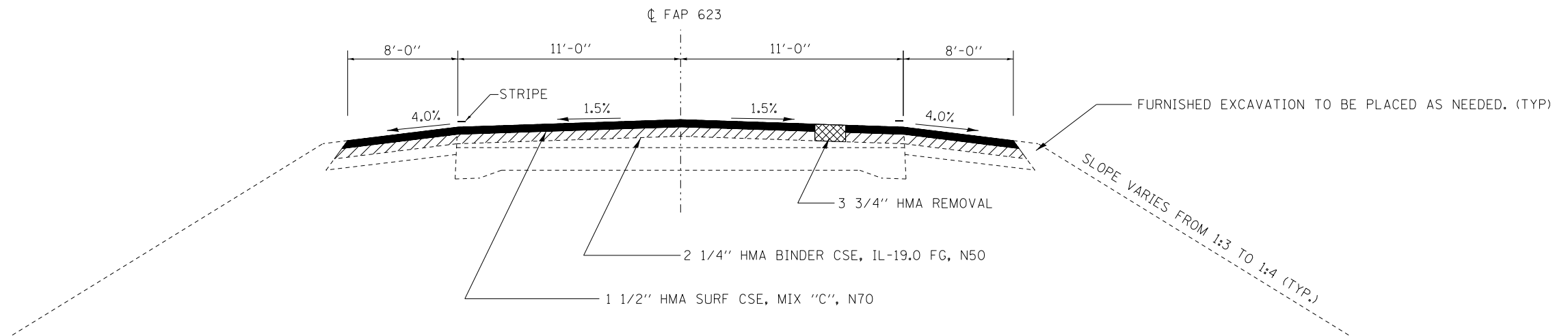
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE ROADWAY 0005 RURAL
20400800	FURNISHED EXCAVATION	CU YD	24	24
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	2	2
40600525	LEVELING BINDER (HAND METHOD), N50	TON	3	3
40600990	TEMPORARY RAMP	SQ YD	64	64
40603082	HOT-MIX ASPHALT BINDER COURSE, IL-19.0 FC, N50	TON	1147	1147
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	582	582
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1457	1457
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	5471	5471
48101200	AGGREGATE SHOULDERS, TYPE B	TON	129	129
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	460	460
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3100	3100

FILE NAME *	USER NAME * pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\pwork\pilot\pletschr\6236262\03	6030-ahc-500.dgn	DRAWN -	REVISED -		623	140RS	GRUNDY	16	3				
	PLOT SCALE * 1/8" = 1' in.	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____				CONTRACT NO. 66D30				
	PLOT DATE * 11/22/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



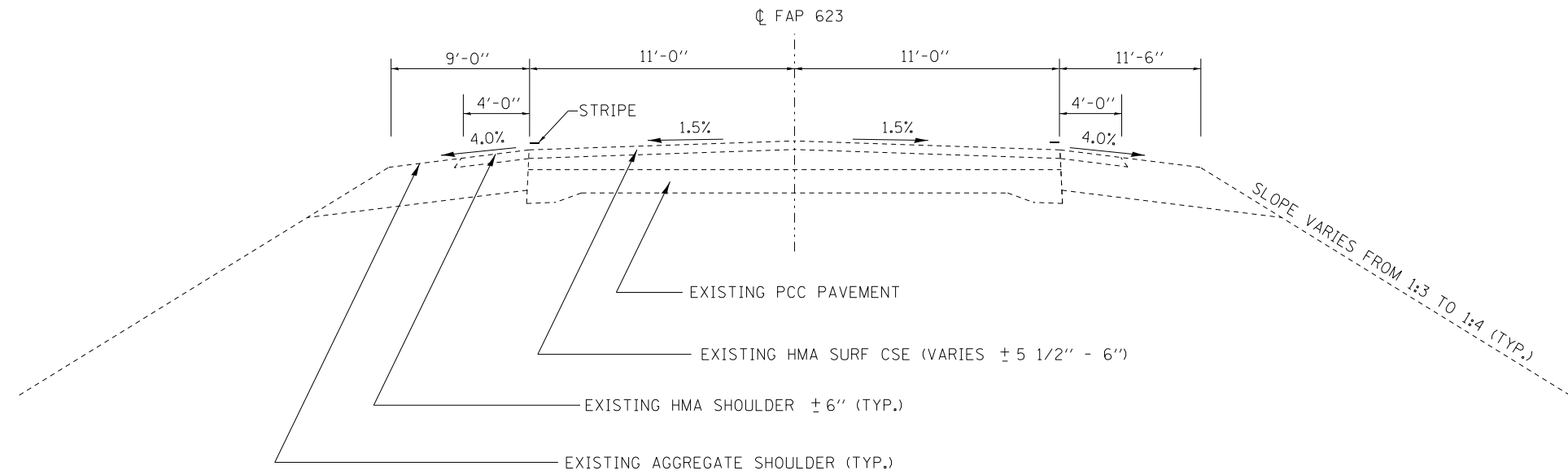
*NOTE: SHOULDERS TRANSITION TO 4.0' IN INTERSECTION RADII.

EXISTING ROADWAY TYPICAL SECTION STA. 0+00 TO STA. 3+50

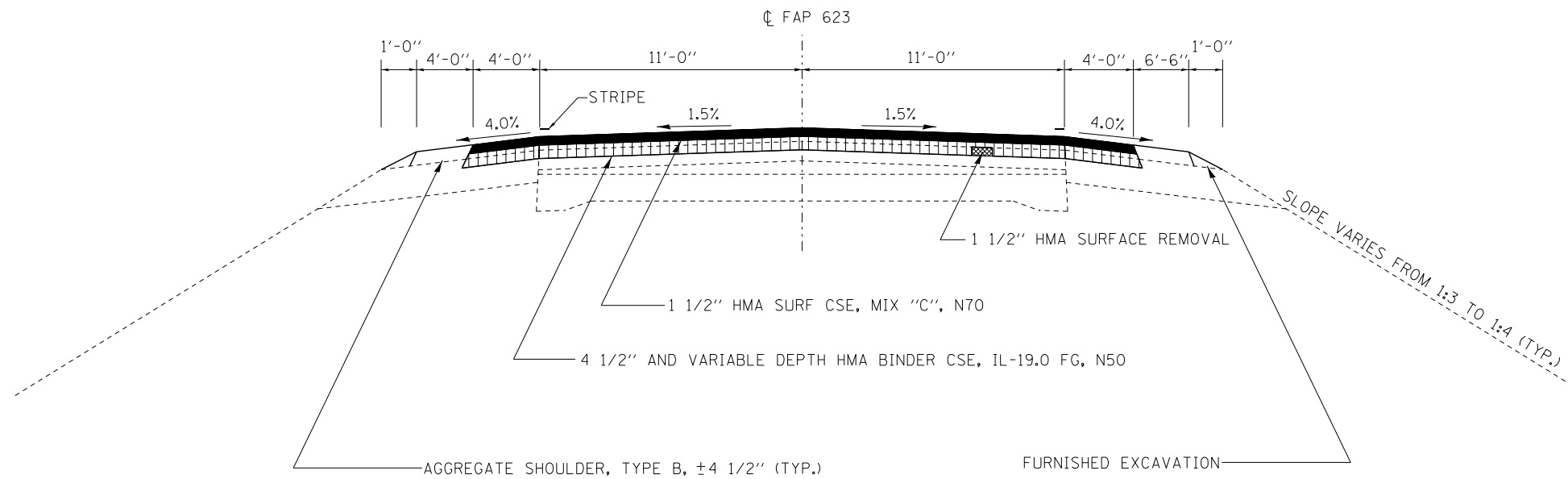


PROPOSED ROADWAY TYPICAL SECTION STA. 0+00 TO STA. 3+50

	HMA Surface	HMA Binder
PG Grade	PG64-22	PG64-22
Design Air Voids	4.0% @ N70	4.0% @ N50
Mixture Composition	IL 9.5	IL 19.0 FG
Friction Aggregate	Mixture C	
Density Test Method	Cores	Cores



EXISTING ROADWAY TYPICAL SECTION
STA. 3+50 TO STA. 11+47



PROPOSED ROADWAY TYPICAL SECTION
STA. 3+50 TO STA. 11+47

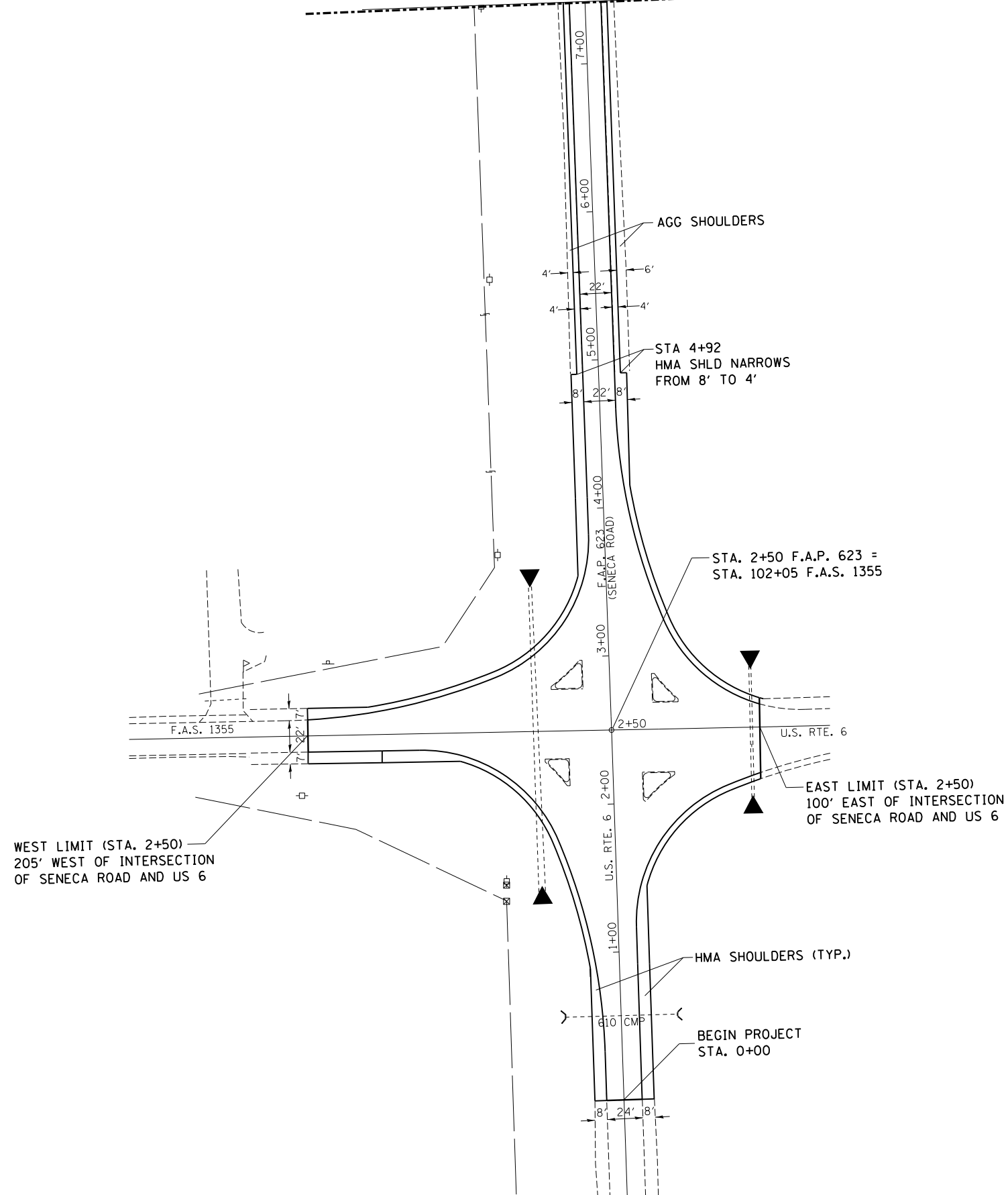
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et:\pw\work\p\dot\pletschr\0363062\0366030-sh-typical.dgn	DRAWN -	REVISD -	REVISD -					623	TYPICAL SECTIONS	GRUNDY	16	7
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISD -	REVISD -		CONTRACT NO. 66D30							
PLOT DATE = 11/22/2013	DATE -	REVISD -	REVISD -		ILLINOIS FED. AID PROJECT							

MAINLINE SCHEDULE

STA. TO STA.		LENGTH	AREA	HMA SURF CSE MIX "C" N70	HMA BINDER CSE IL-19.0 FG N50	LEVEL BINDER (HM) N50	HMA SURFACE REMOVAL 1 1/2"	HMA SURFACE REMOVAL 3 3/4"	MIX FOR JTS, CRACKS & FLGWYS	BIT. MAT'L (PR CT)	AGG SHLD TY B	TEMP RAMP
		FT	SQ YD	TON	TON	TON	SQ YD	SQ YD	TON	POUND	TON	SQ YD
0+00	1+28	128.0	568.9	47.8	71.7	0.3		568.9	0.2	384.0		16.0
1+28	3+50 *	222.0	3462.4	290.8	436.3	1.7		3462.4	1.0	2337.1		32.0
3+50	5+30	180.0	760.0	63.8	143.6	0.4		760.0	0.2	513.0	8.7	
5+30	9+67	437.0	1456.7	122.4	367.1	0.7	1456.7		0.4	983.3	99.5	
9+67	11+47	180.0	680.0	57.1	128.5	0.3		680.0	0.2	459.0	20.5	16.0
GRAND TOTALS		1,147	6,928	582	1,147	3	1,457	5,471	2	4,676	129	64

* THIS SECTION INCLUDES EAST AND WEST LEGS OF INTERSECTION IN TOTAL SQ YDS.
ALL AREAS CALCULATED USING CADD AND INCLUDE THE SHOULDERS.

MATCH LINE STA. 7+42

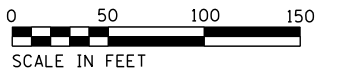
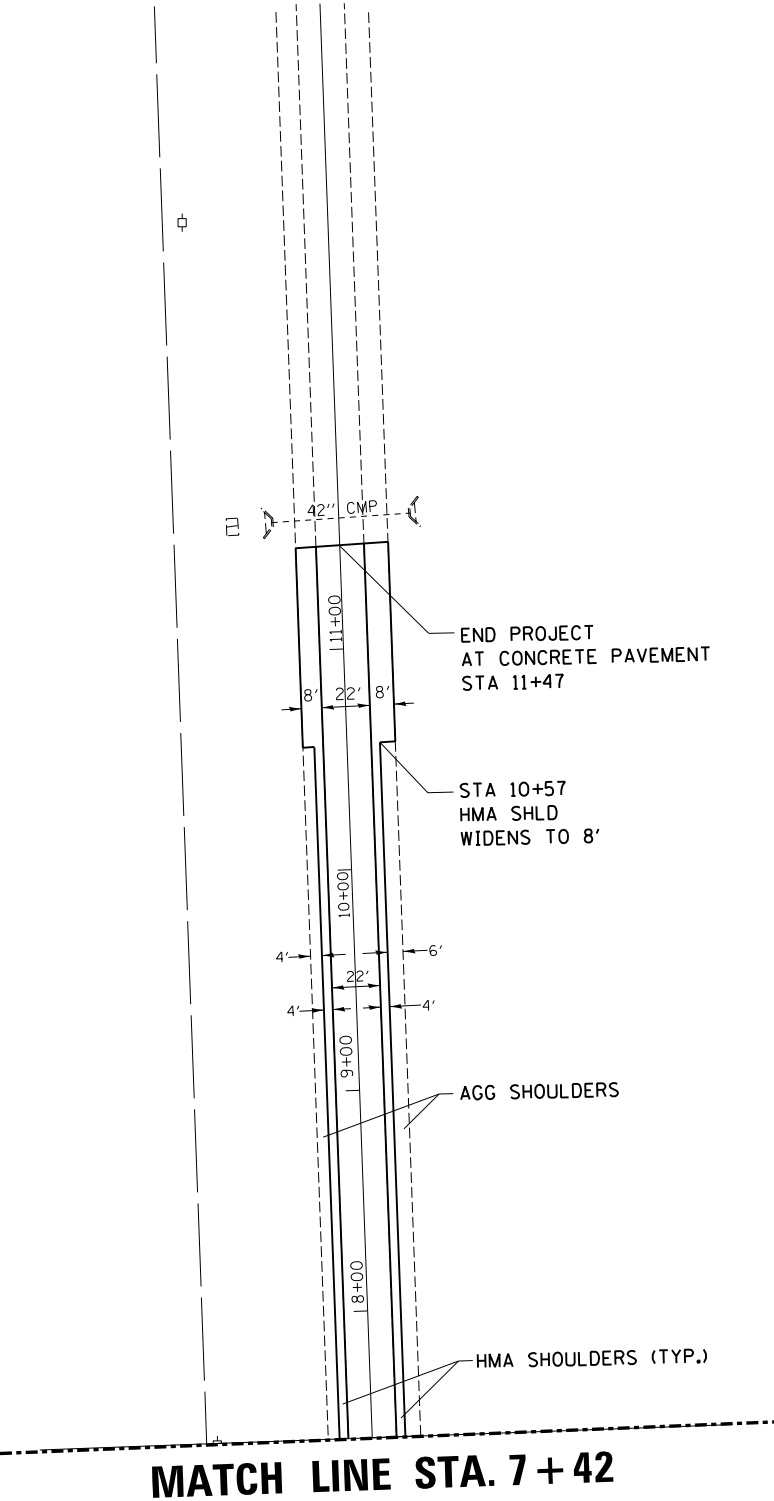


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PLOT DATE = 11/22/2013		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET	
STA. 0+00 TO STA. 7+42	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(40)RS	GRUNDY	16	10
CONTRACT NO. 66D30				
ILLINOIS FED. AID PROJECT				



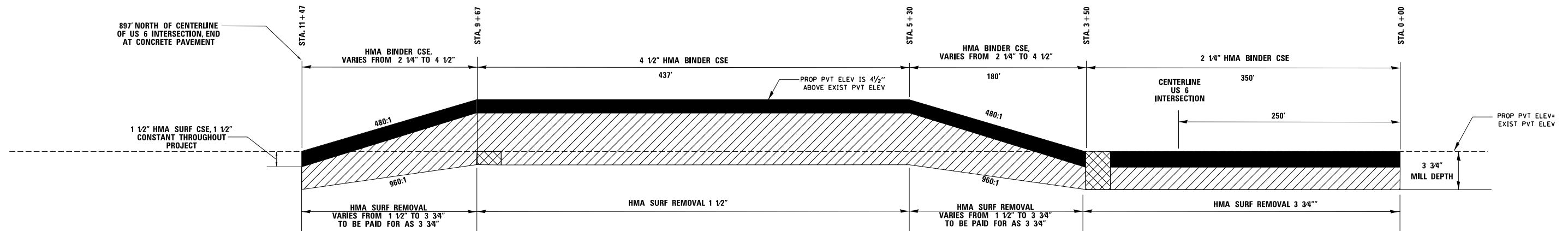
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	PLOT DATE = 11/22/2013	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
STA. 7+42 TO STA. 11+47

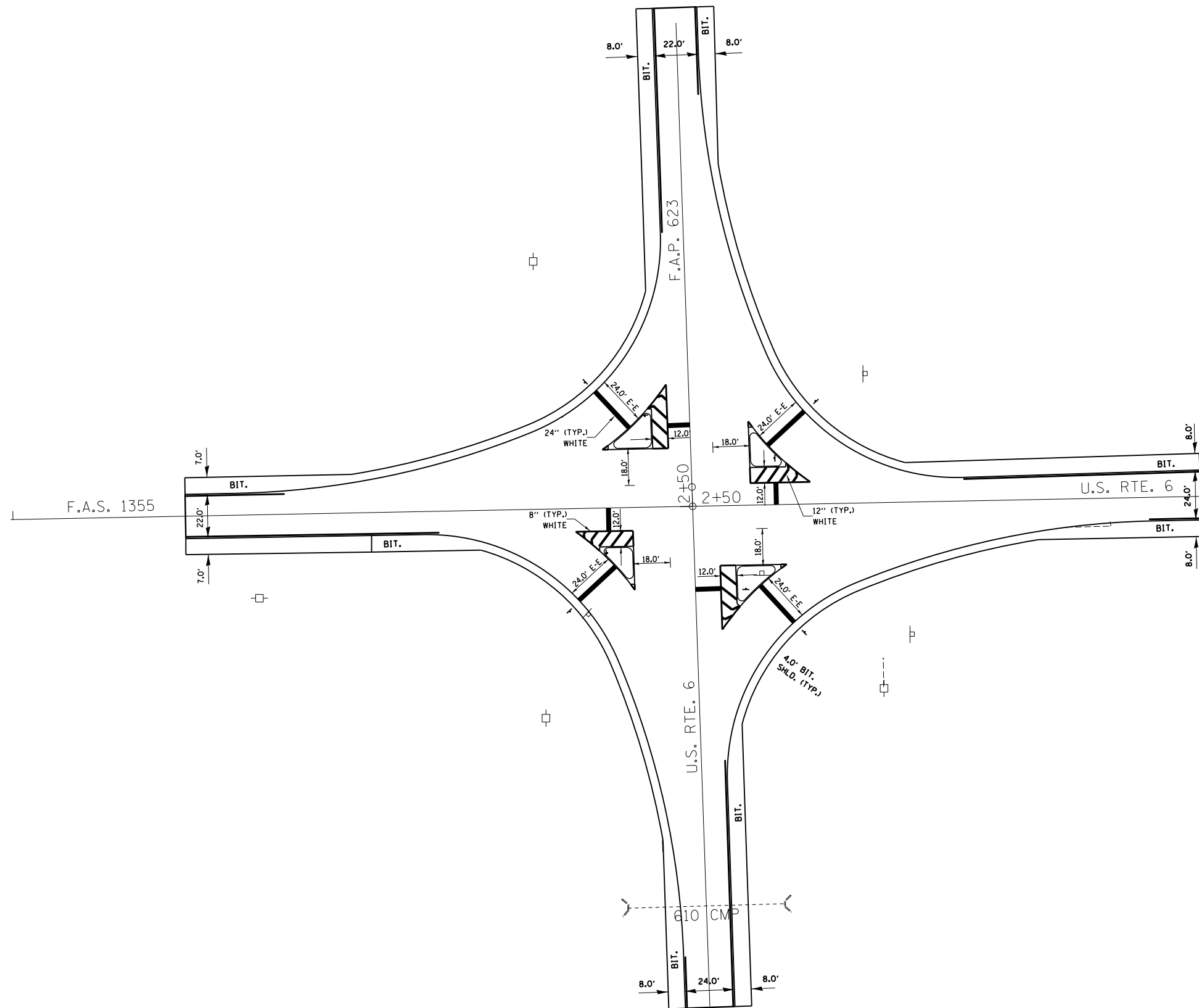
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	40IRS	GRUNDY	16	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D30	



MILLING AND RESURFACING PROFILE
FOR MAINLINE AND SHOULDER

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\pletschr\d0363062\0366030-shr-details.DGN	DRAWN -	REVISED -	RTE.					(40)RS	GRUNDY	16	12	
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	PLOT DATE = 11/22/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



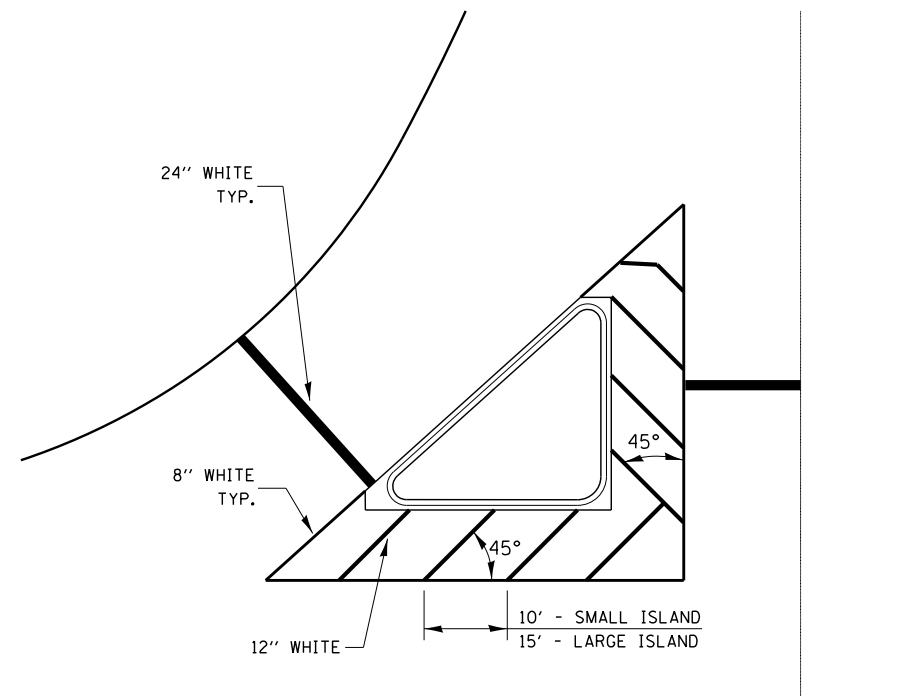
INTERSECTION PAVEMENT MARKINGS

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	PLOT DATE = 11/22/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

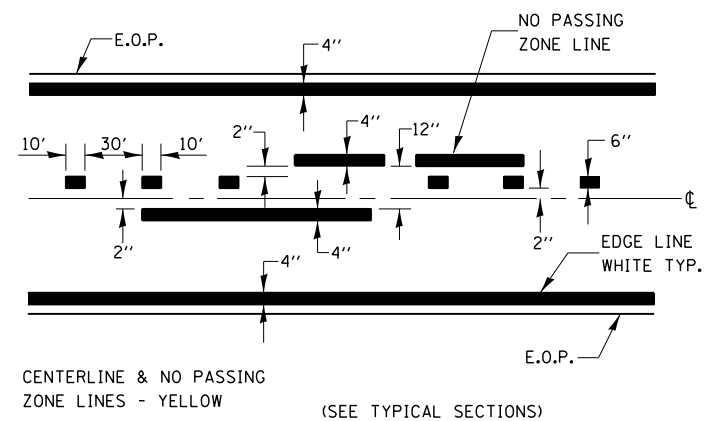
DETAILS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(40)RS	GRUNDY	16	13
CONTRACT NO.			66D30	
ILLINOIS FED. AID PROJECT				



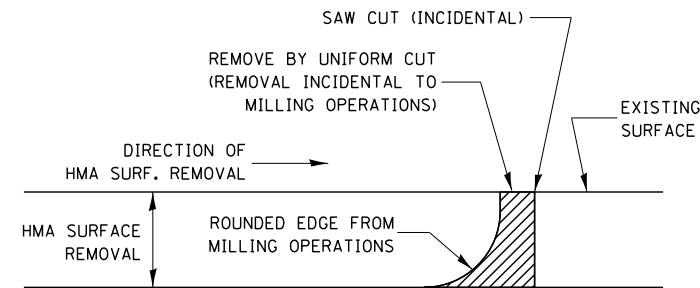
TYPICAL ISLAND

780-21



PAVEMENT MARKING

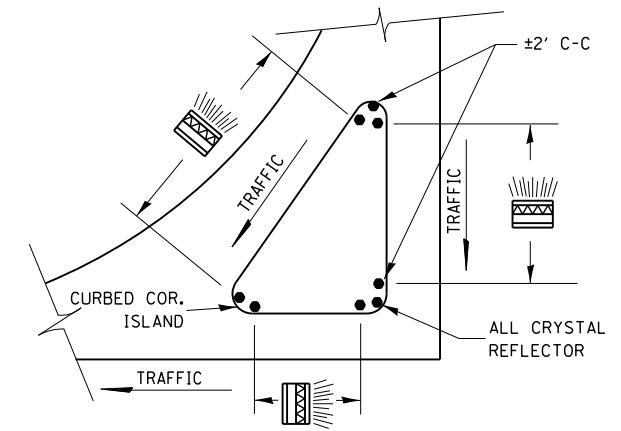
780-8



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

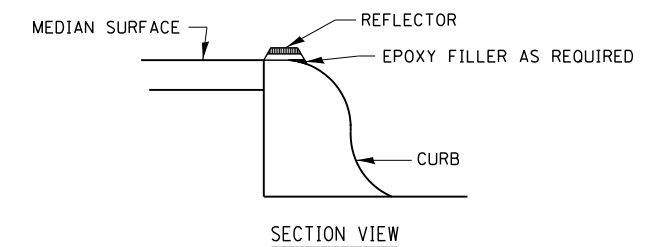
HMA DETAIL AT BUTT JOINTS

406-8



PRISMATIC REFLECTORS

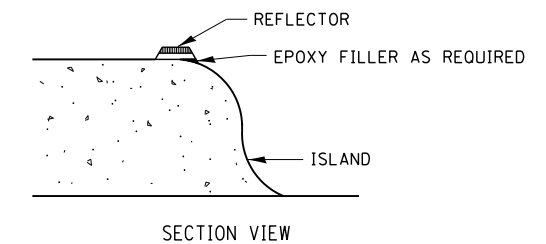
782-2



NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 1

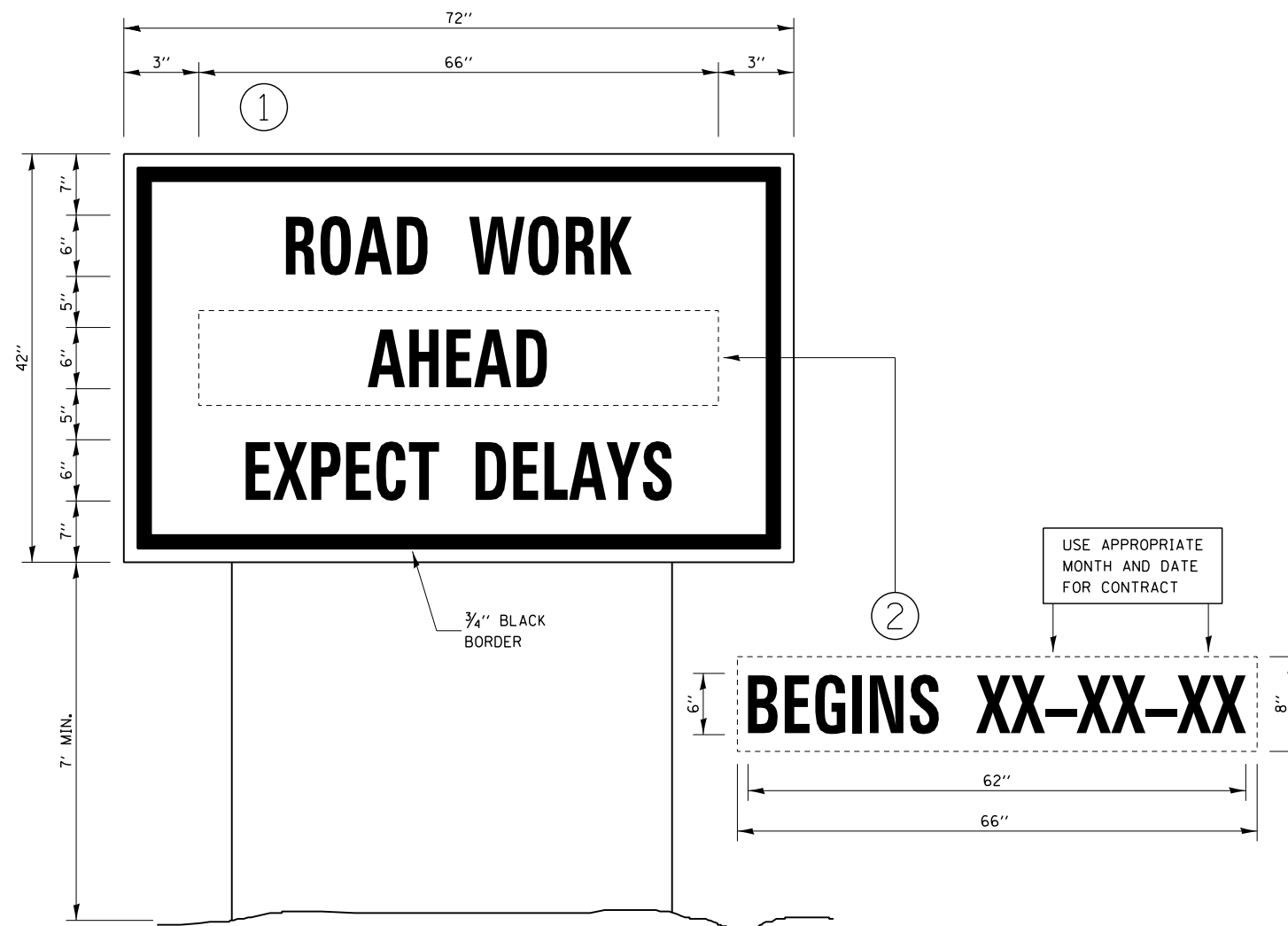


NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

OPTION 2

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	11/22/2013	DRAWN -	REVISED -					RTE.	(40)RS	GRUNDY	16	14
		CHECKED -	REVISED -		CONTRACT NO. 66D30							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



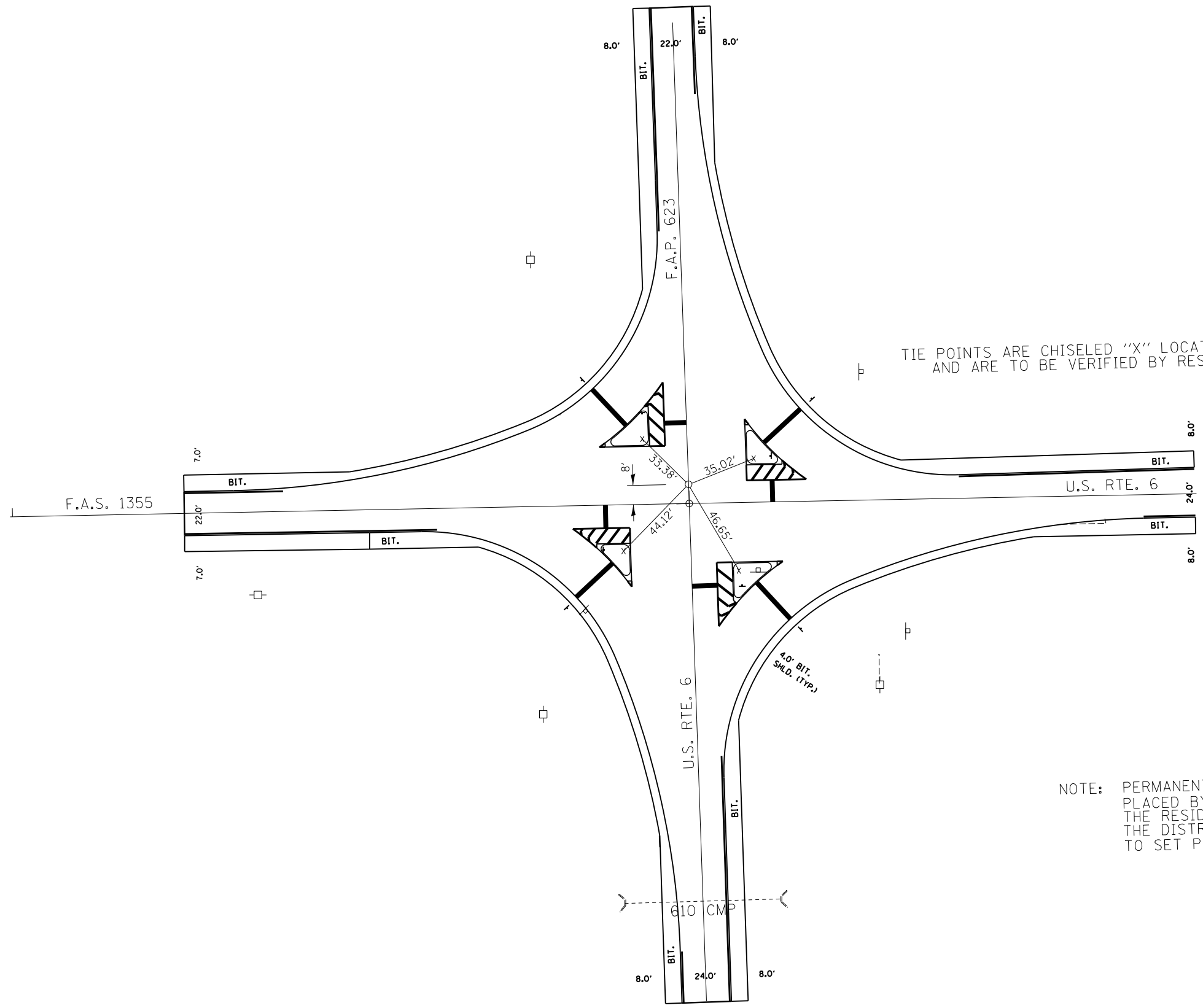
TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS ON ALL 4 LEGS OF INTERSECTION AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\idot\pletschr\d0363062\0366030-shit-details.DGN	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						RTE.	(40)RS	GRUNDY	16	15
Default	PLOT DATE = 11/22/2013	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 66D30		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



TIE POINTS ARE CHISELED "X" LOCATED ON EACH ISLAND AND ARE TO BE VERIFIED BY RESIDENT ENGINEER.

NOTE: PERMANENT SURVEY MARKER TO BE PLACED BY CONTRACTOR. AFTER PLACEMENT, THE RESIDENT ENGINEER SHALL NOTIFY THE DISTRICT 3 I.D.O.T. SURVEY CREW TO SET POINT ON PERMANENT SURVEY MARKER.

TIE POINTS

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -
ct:\pw\work\p\dot\pletschr\d0363062\0366030-sh-t-details.DGN		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/22/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(40)RS	GRUNDY	16	16
CONTRACT NO.			66D30	
ILLINOIS FED. AID PROJECT				