

**INDEX OF SHEETS**

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10. DETECTOR LOOPS
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**STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-02	OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-04	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

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

**PROPOSED**  
**HIGHWAY PLANS**

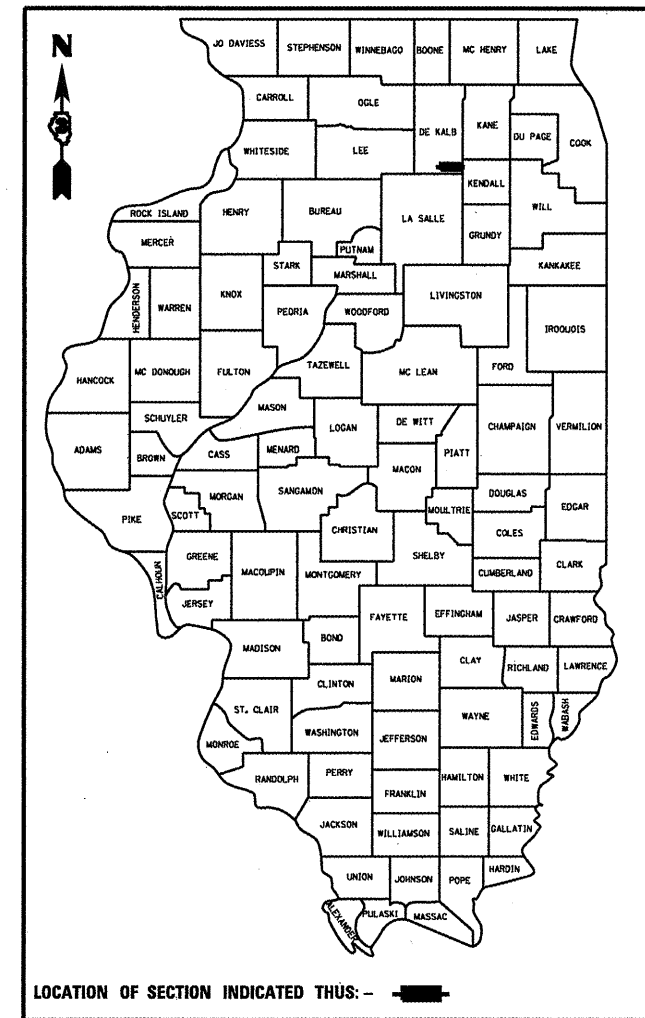
**FAP ROUTE 591 (US 34)**  
**SECTION D3 INTERMITTENT RS 2012-1**

**INTERSECTION MILLING AND RESURFACING**  
**DEKALB COUNTY**

C-93-126-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	D3 INTERMITTENT RS 2012-1	DEKALB	12	1
		ILLINOIS	CONTRACT NO. 66B45	

D-93-002-11



LOCATION OF SECTION INDICATED THUS: - [black bar]

**OTHER PRINCIPAL ARTERIAL**

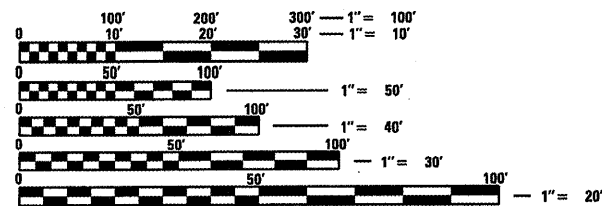
FAP RTE. 591 (US 34)

2009

ADT	7400
P.V.	95.27%
S.U.	2.70%
M.U.	2.03%

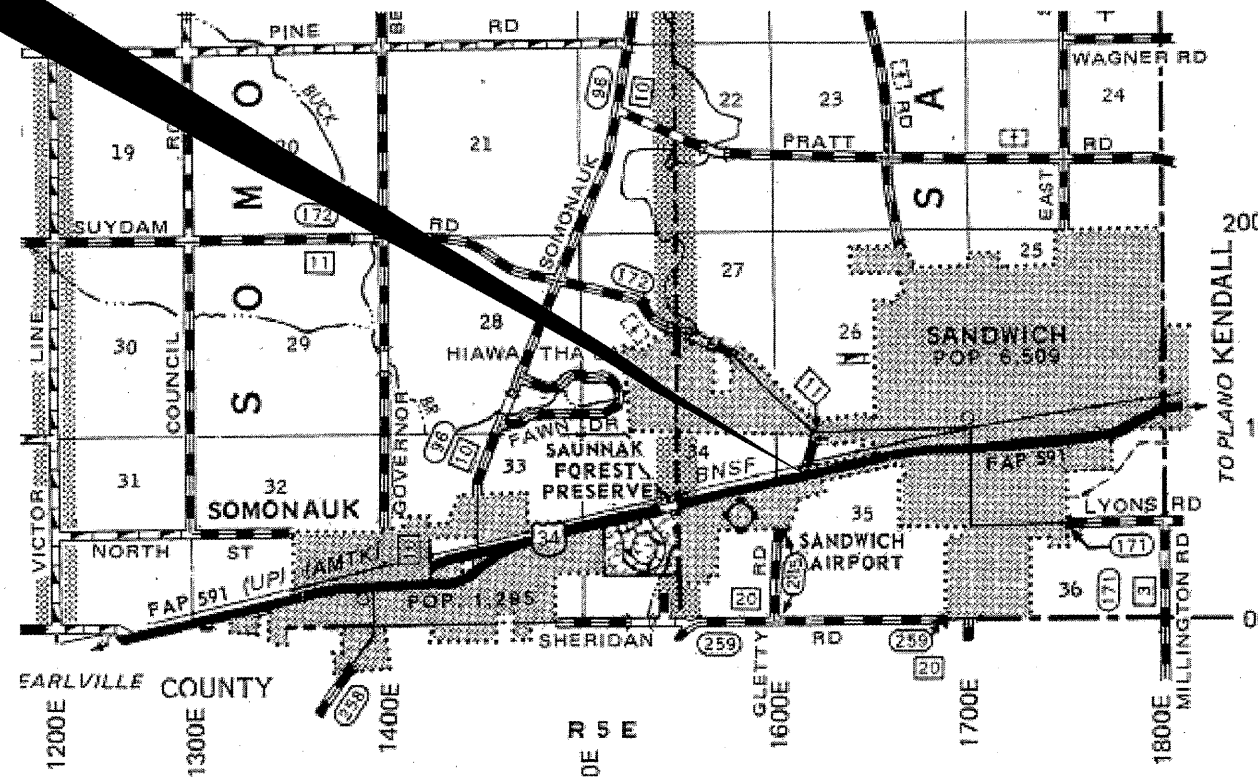
**PROJECT LOCATION**

**INTERSECTION**  
**OF FAP ROUTE 591 (US 34)**  
**AND GLETTY ROAD**  
**6.13 MI. NE OF IL ROUTE 23**  
**(NEAR SANDWICH)**  
**STA. 351 + 58 TO STA. 367 + 18**



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: JOE KANNEL, P.E.**  
**UNIT CHIEF: RON WOODSHANK**  
**TOWNSHIP: SANDWICH**  
**CONTRACT NO. 66B45**

GROSS LENGTH = 1560.00 FT. = 0.295 MILE  
 NET LENGTH = 1560.00 FT. = 0.295 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED 6/14 20 11  
*Eric S. Therkildsen*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 1 20 11  
*Scott E. Stitt, P.E.*  
 acting ENGINEER OF DESIGN AND ENVIRONMENT

July 1 20 11  
*Christine M. Reed*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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 BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

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

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

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE LANE LINES AND MEDIAN LINES 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.

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

QUANTITIES OF AGGREGATE SHOULDERS, TYPE A HAS BEEN INCLUDED IN THE PLANS TO CORRECT EXISTING SLOPES, DEPRESSIONS OR DAMAGE CAUSE BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SO YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	GAL / SO YD
AGGREGATE PRIME COAT	0.002	TONS / SO YD
HMA RESURFACING	112	LBS / SO YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SO YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SO YD

**COMMITMENTS**

ALL SOILS DISTURBED BY ANY CONSTRUCTION OPERATION SHALL BE LEFT ON, AND INCORPORATED WITHIN, THE PROJECT LIMITS AND EXISTING RIGHT OF WAY.

DATE: 6-13-11

PREPARED BY: Don Bernil  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Harriet Jung (car)  
DISTRICT CONSTRUCTION ENGINEER

[Signature]  
DISTRICT MATERIALS ENGINEER

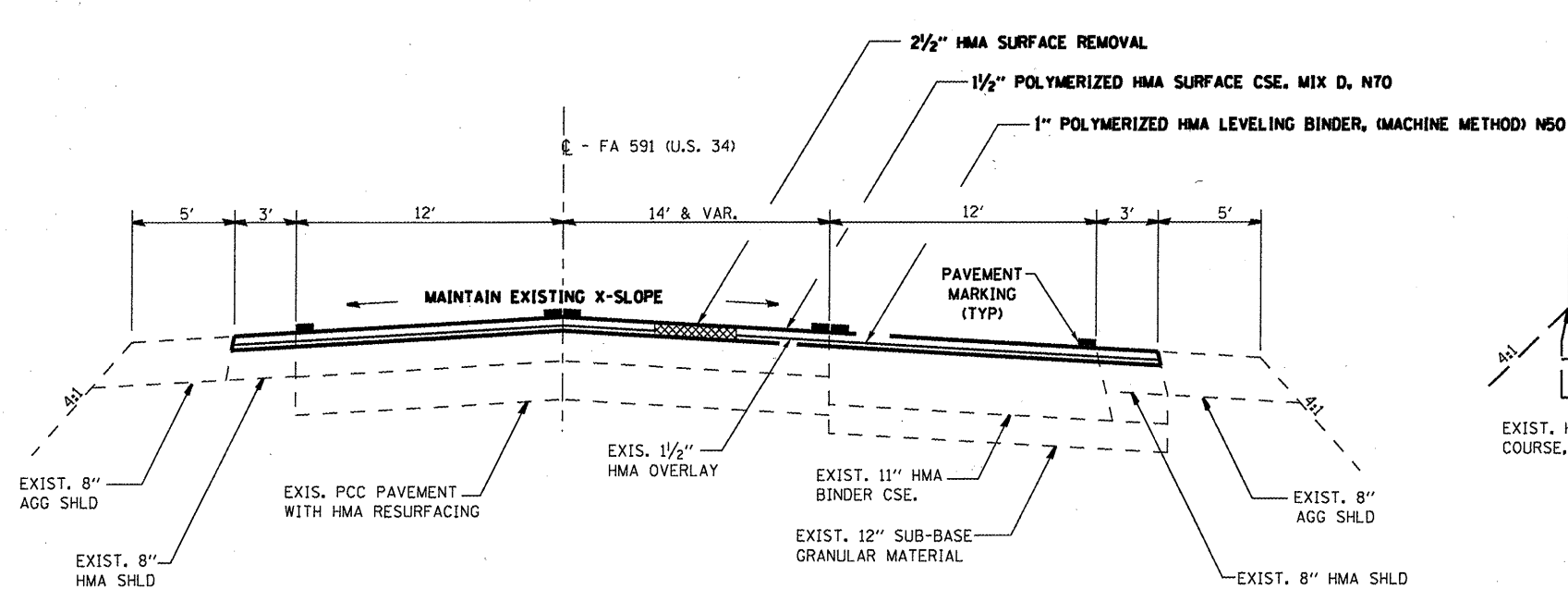
Bruce C. Tucker  
DISTRICT OPERATIONS ENGINEER

CODE NO.	ITEM	UNIT	CONSTR. CODE
			100% STATE
			ROADWAY
			0005 RURAL
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1262
40600300	AGGREGATE (PRIME COAT)	TON	19
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4
40600725	POLYMERIZED LEVELING BINDER (HAND METHOD), N50	TON	4
40600990	TEMPORARY RAMP	SQ YD	136
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	693
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	17
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	8220
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	26
48100100	AGGREGATE SHOULDERS, TYPE A	TON	30
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3129
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	313
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140

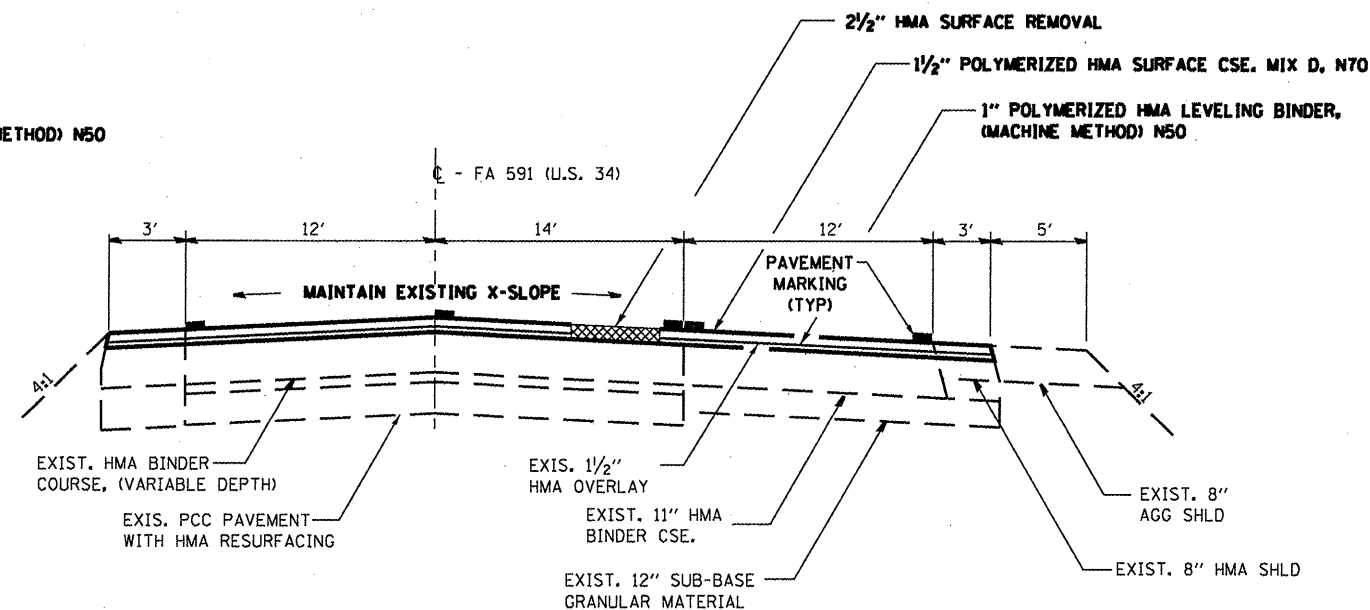
\* SPECIALITY ITEMS

CODE NO.	ITEM	UNIT	CONSTR. CODE
			100% STATE
			ROADWAY
			0005
			RURAL
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8852
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	40
• 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	785
• 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	629
• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	94
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	87
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	29
• 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	293
• 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	293
• 87900200	DRILL EXISTING HANDHOLE	EACH	10
• 88600100	DETECTOR LOOP, TYPE I	FOOT	910
	X4060826 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	462
	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	182
	X4402805 ISLAND REMOVAL	SQ FT	234

• SPECIALITY ITEMS

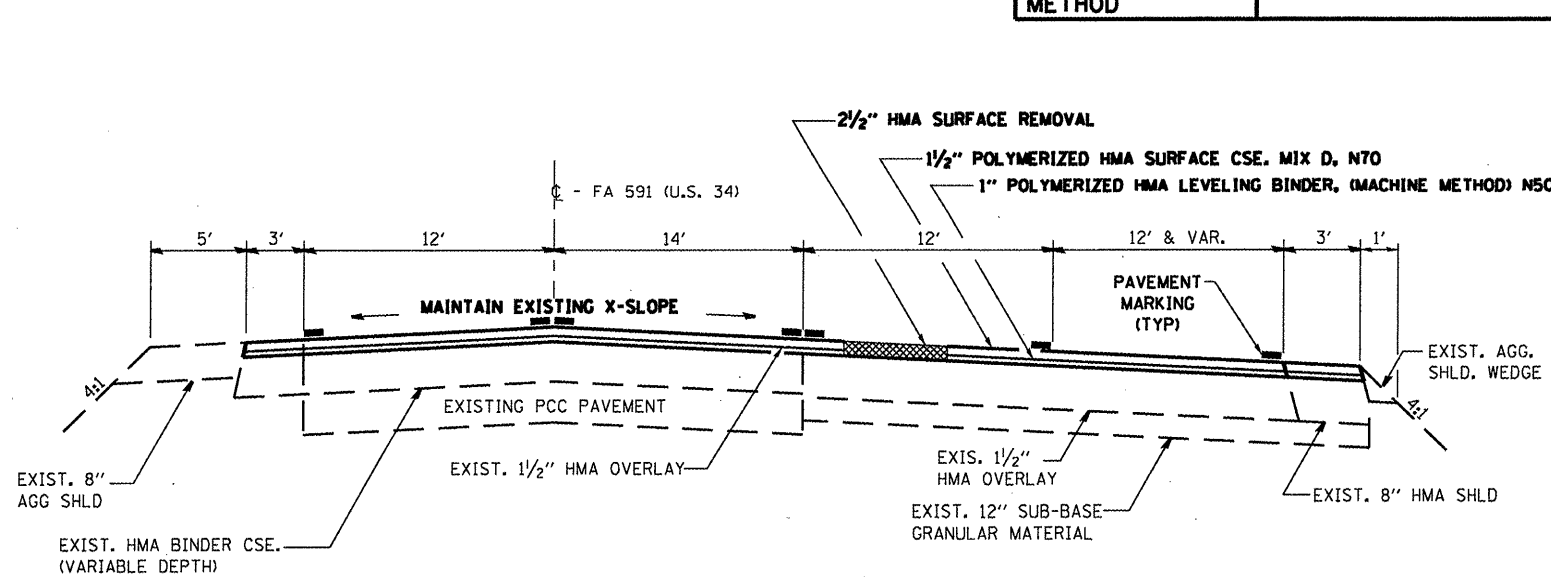


**FAP 591 - U.S. RTE. 34**  
**STA. 351+58 to STA. 358+24**

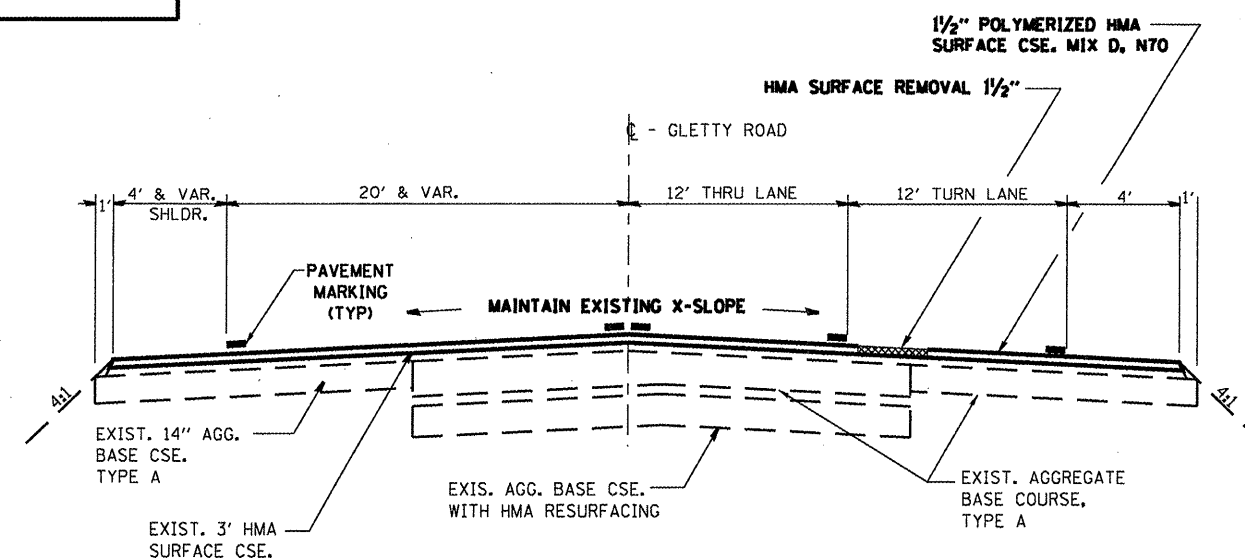


**FAP 591 - U.S. RTE. 34**  
**STA. 363+56 to 367+18**

MIXTURES TABLE		
	LOCATION	LOCATION
	POLYMERIZED HMA LEVEL BINDER	POLYMERIZED HMA SURFACE
PG GRADE	SBS PG70-22	SBS PG70-22
DESIGN AIR Voids	4.0% e N50	4.0% e N70
MIXTURE COMPOSITION	IL 4.75	IL 9.5
FRICTION AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES



**FAP 591 - U.S. RTE. 34**  
**STA. 358+24 to STA. 361+04**



**GLETTY ROAD SOUTH**

**MAINLINE SCHEDULE**

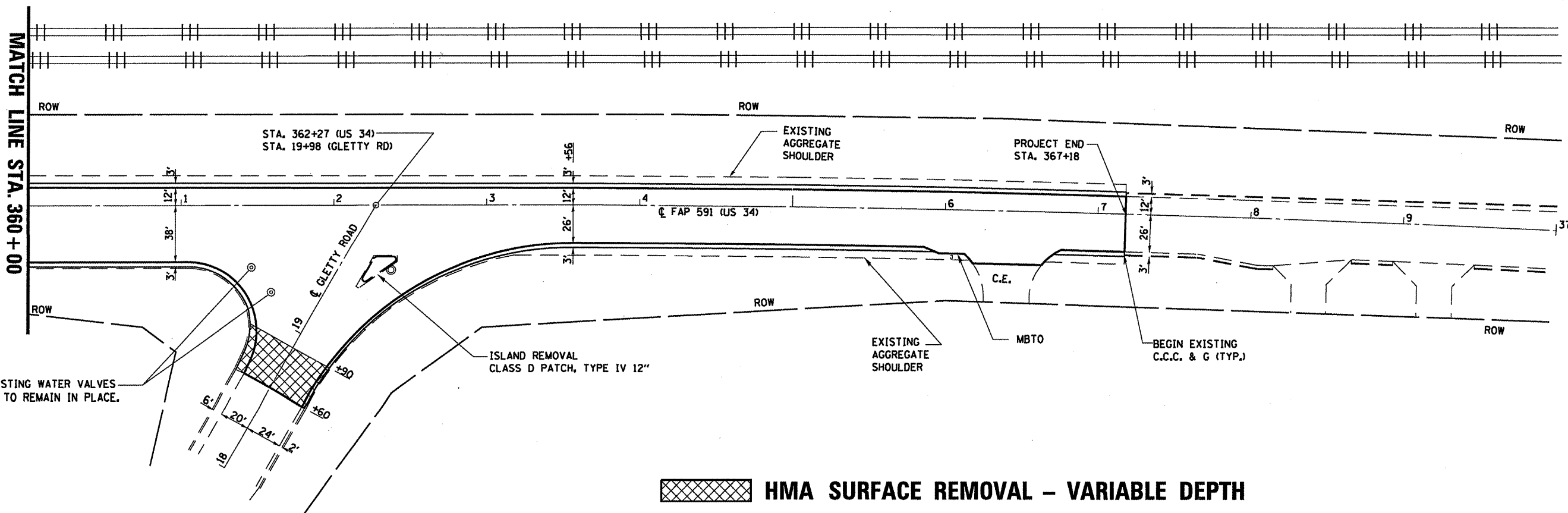
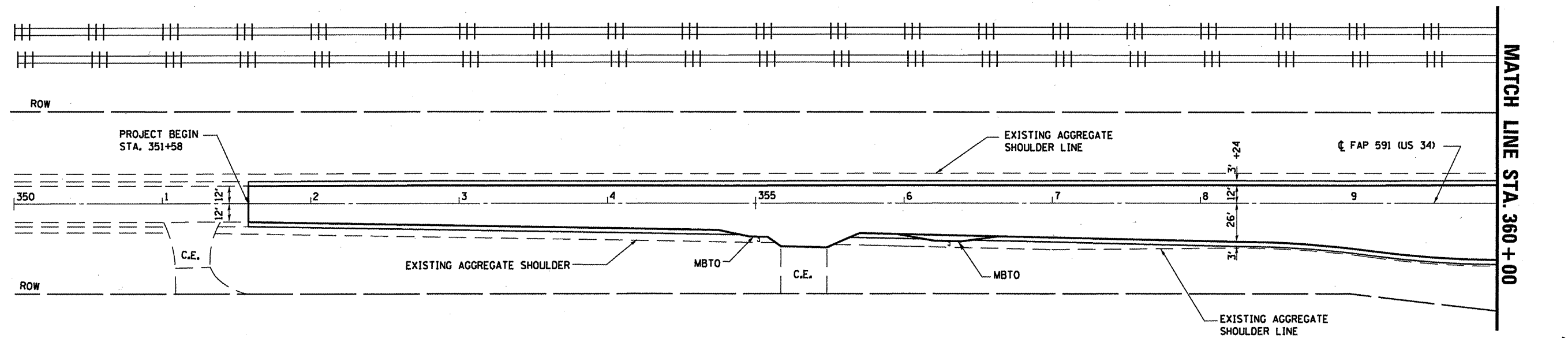
LOCATION			HMA SURFACE REMOVAL VAR DEPTH	HMA SURFACE REMOVAL 2 1/2"	TEMPORARY RAMP	INCIDENTAL HMA SURFACING	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	MIXTURES FOR CRACKS JOINTS AND FLANGWAYS	POLYMERIZED LEVELING BINDER (HM) N50	POLYMERIZED LEVELING BINDER (MM) N50	POLYMERIZED HMA SURFACE CSE. MIX D, N70
STA.	TO	STA.	SO YD	SO YD	SO YD	TON	GAL	TON	TON	TON	TON	TON
STA. 351+58	TO	STA. 358+24		2703	42	7	406	6	1	1	152	228
STA. 358+24	TO	STA. 361+04		1640		2	246	4	1	1	92	138
INTERSECTION			182	2120	29		346	5	1	1	119	179
STA. 363+56	TO	STA. 367+18		1757	65	8	264	4	1	1	99	148
<b>TOTALS</b>			<b>182</b>	<b>8220</b>	<b>136</b>	<b>17</b>	<b>1262</b>	<b>19</b>	<b>4</b>	<b>4</b>	<b>462</b>	<b>693</b>

**PAVEMENT MARKING SCHEDULE**

LOCATION			SHORT- TERM PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS	THERMOPLASTIC PAVEMENT MARKING LINE 4"	THERMOPLASTIC PAVEMENT MARKING LINE 6"	THERMOPLASTIC PAVEMENT MARKING LINE 8"	THERMOPLASTIC PAVEMENT MARKING LINE 12"	THERMOPLASTIC PAVEMENT MARKING LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
STA.	TO	STA.	FOOT		SO FT	FOOT		FOOT	FOOT	FOOT	EACH	EACH	EACH
			YELLOW	WHITE	WHITE	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	
STA. 351+58	TO	STA. 358+24	684	402		2108	1332	40		132	26		14
STA. 358+24	TO	STA. 361+04	372	213		1120	559		145	117	14	3	6
INTERSECTION			186	369	109	582	438		394	34	14	8	
STA. 363+56	TO	STA. 367+18	513	390	31	1660	1053		246	44	18	4	9
SUBTOTALS			1755	1374	140	5470	3382	40	785	327	72	15	29
<b>TOTALS</b>			<b>3129</b>	<b>1374</b>	<b>140</b>	<b>8852</b>	<b>3382</b>	<b>40</b>	<b>785</b>	<b>629</b>	<b>94</b>	<b>87</b>	<b>29</b>

**DETECTOR LOOP SCHEDULE**

LOCATION			DRILL EXISTING HANDHOLE	CONDUIT IN TRENCH 1" DIA., PVC	TRENCH AND BACKFILL FOR ELECTRICAL WORK	DETECTOR LOOP TYPE I
STA.	TO	STA.	EACH	FOOT	FOOT	FOOT
STA. 351+58	TO	STA. 358+24				
STA. 358+24	TO	STA. 361+04	1	12	12	51
INTERSECTION			7	263	263	815
STA. 363+56	TO	STA. 367+18	2	18	18	44
<b>TOTALS</b>			<b>10</b>	<b>293</b>	<b>293</b>	<b>910</b>



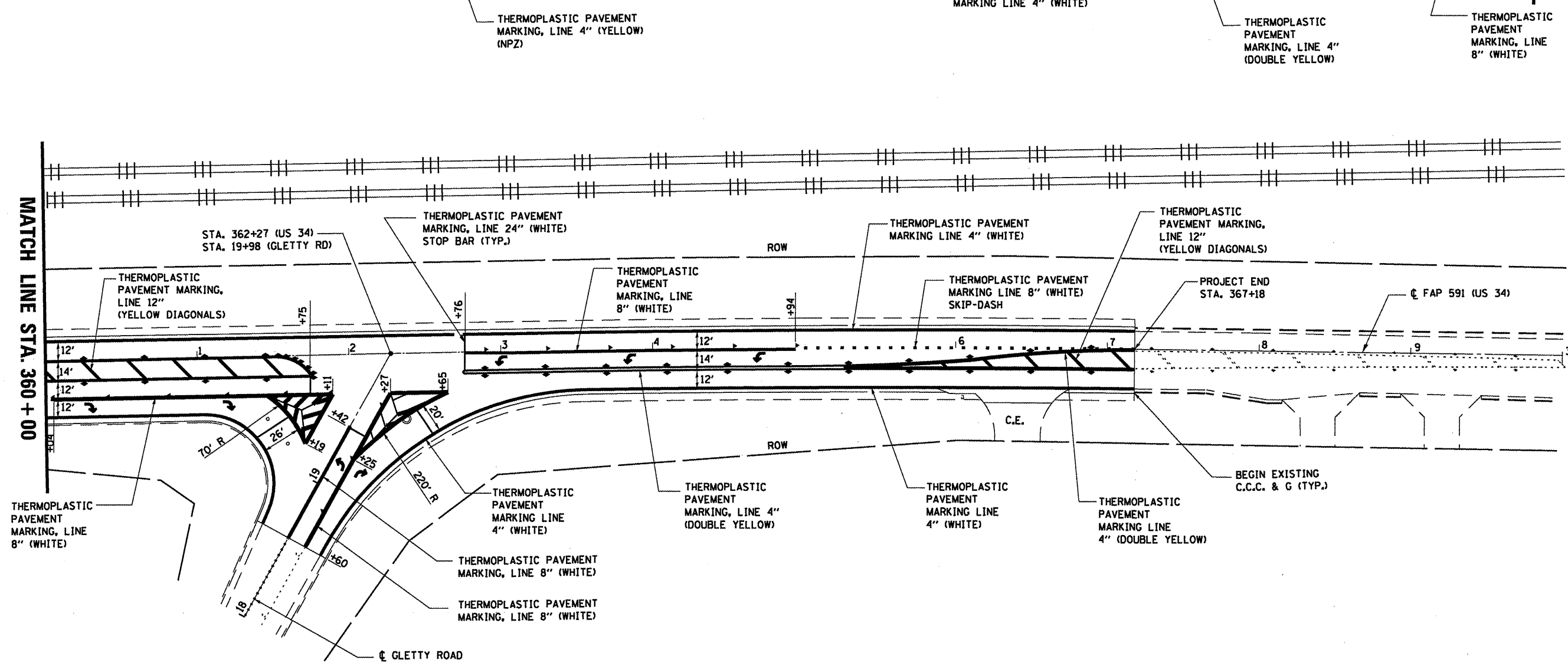
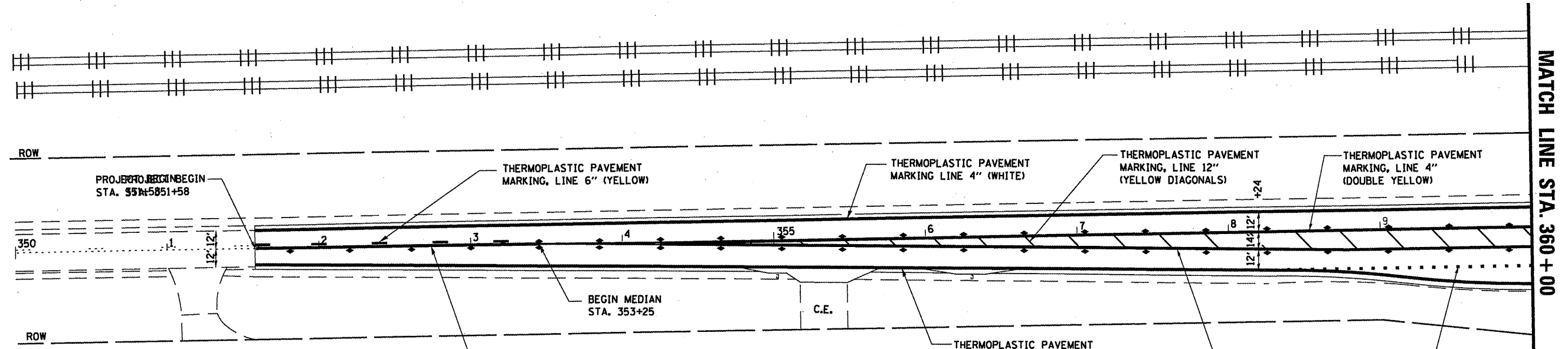
\*EXISTING WATER VALVES ARE TO REMAIN IN PLACE.

**HMA SURFACE REMOVAL - VARIABLE DEPTH**

\*IF ADJUSTMENT IS REQUIRED, COST OF THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

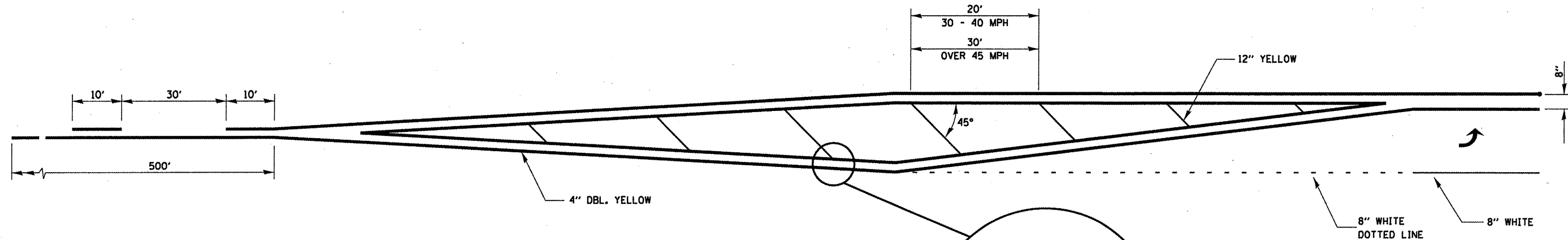
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666845-sht-detail.dgn	DRAWN - RON WOODSHANK	REVISED -	591			D3 INTERMITTENT RS 2012-1	DEKALB	12	7	
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -	CONTRACT NO. 66B45							
PLOT DATE = 6/13/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. 351+58 TO STA. 367+18						



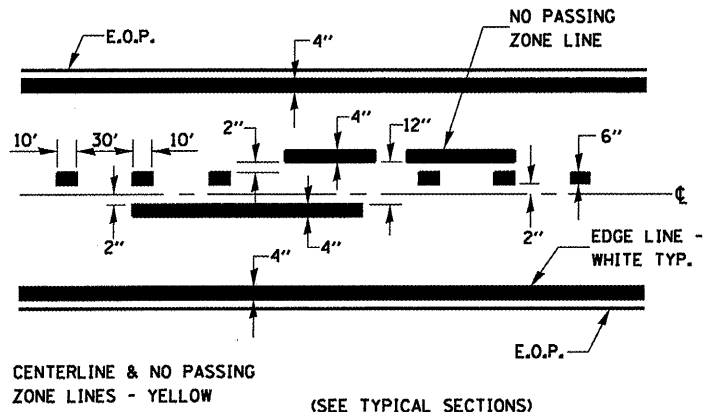


FILE NAME =	USER NAME = woodshenkr1	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED -			CONTRACT NO. 66845					
PLOT DATE = 6/13/2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: _____ SHEET NO. 1 OF 1 SHEETS		STA. 351+58 TO STA. 367+18					

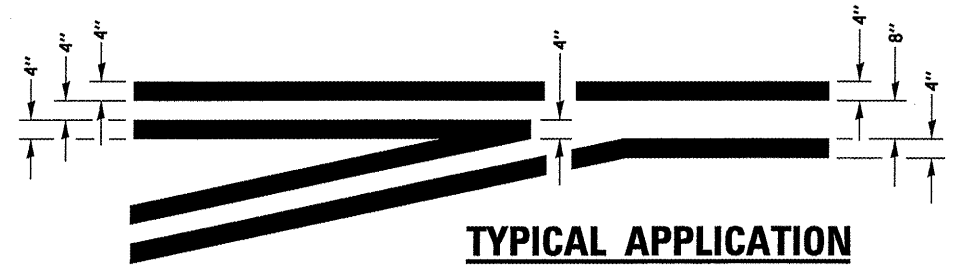




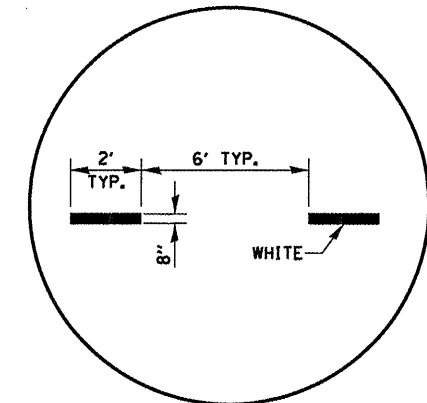
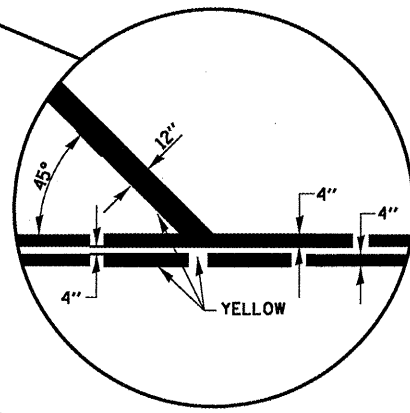
**LEFT TURN LANE WITH APPROACH MEDIAN**



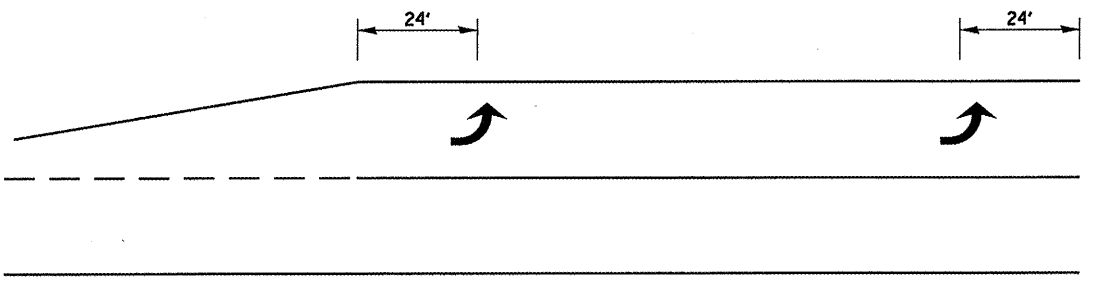
**PAVEMENT MARKING**



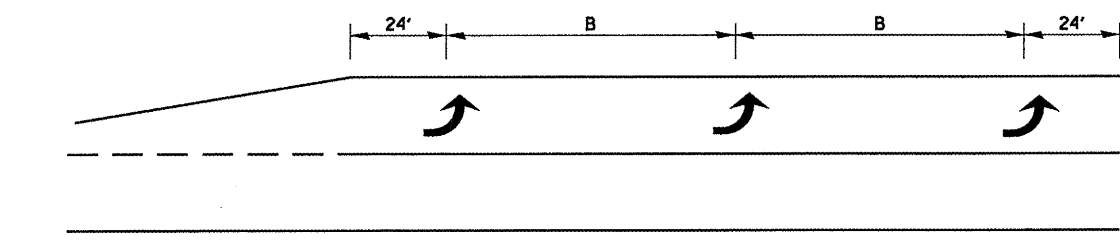
**TYPICAL APPLICATION @ LEFT TURN LANES**



**ADVANCE AND INTERSECTION LANE DIVIDER LINES**

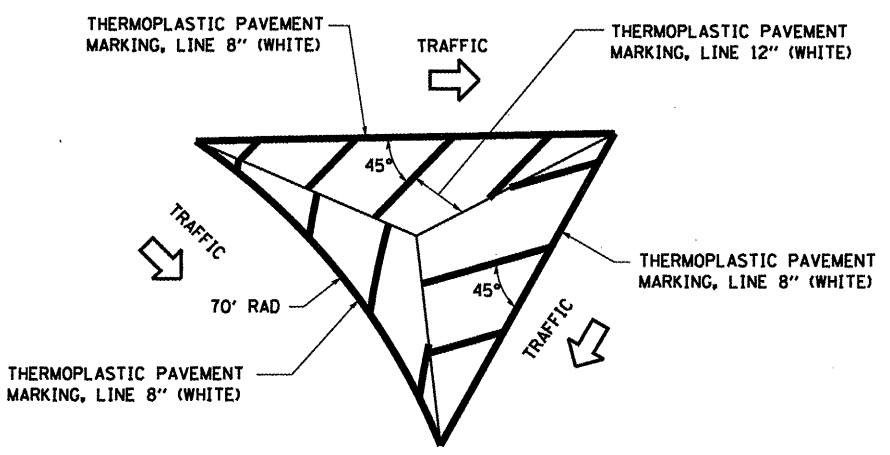


100' TO 149'



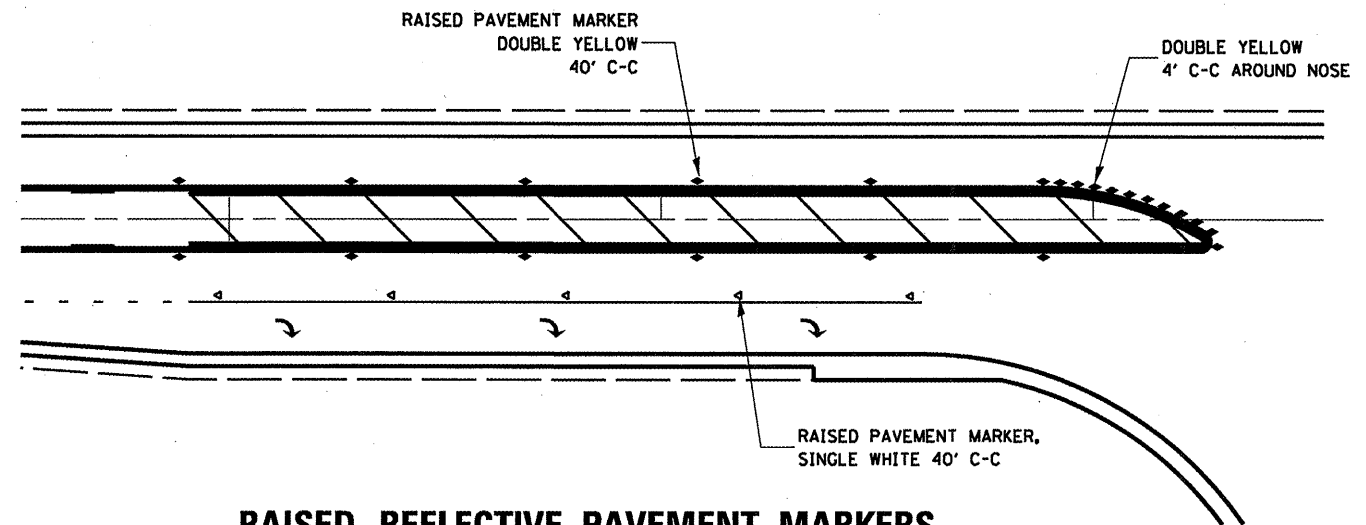
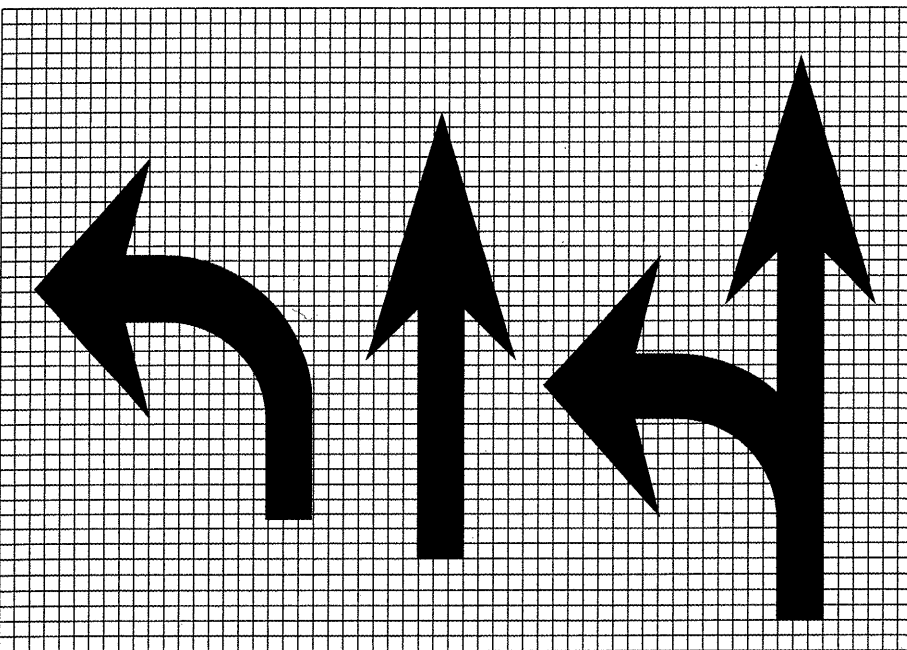
150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**

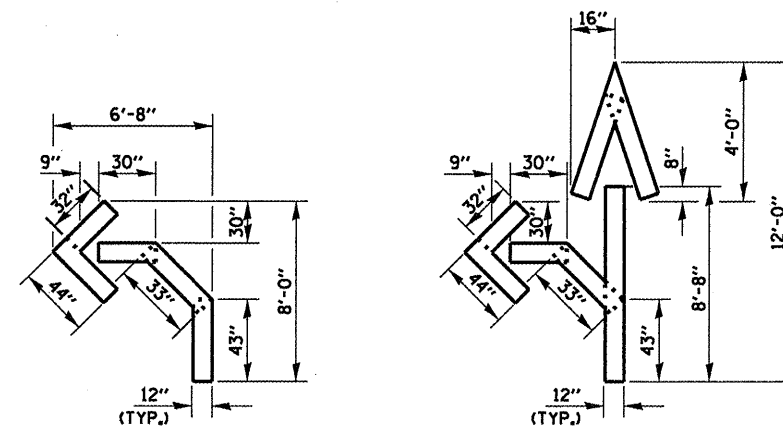


**TYPICAL PAVEMENT MARKING AT ISLAND**

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	<b>TYPICAL PAVEMENT MARKING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 6/13/2011	CHECKED -	REVISED -			CONTRACT NO. 66B45					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. 1 OF 2 SHEETS		STA. 351+58 TO STA. 367+18			

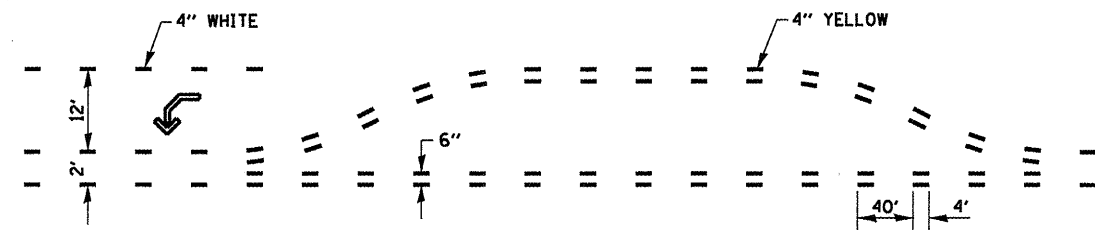


**RAISED REFLECTIVE PAVEMENT MARKERS  
RIGHT TURN LANE**



QUANTITY  
12" LINE = 16 LIN. FT.  
OR 4" LINE = 48 LIN. FT.

QUANTITY  
12" LINE = 29 LIN. FT.  
OR 4" LINE = 87 LIN. FT.



**SHORT-TERM PAVEMENT MARKING  
FOR MEDIANS AND ARROWS**

LEGEND	HEIGHT	ARROW SIZE	QUANTITY
	6'	SMALL	2.9
	8'	LARGE	3.8

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3' FOR 6' LEGEND AND 4' FOR 8' LEGEND.

**LETTER AND ARROW GRID SCALE**

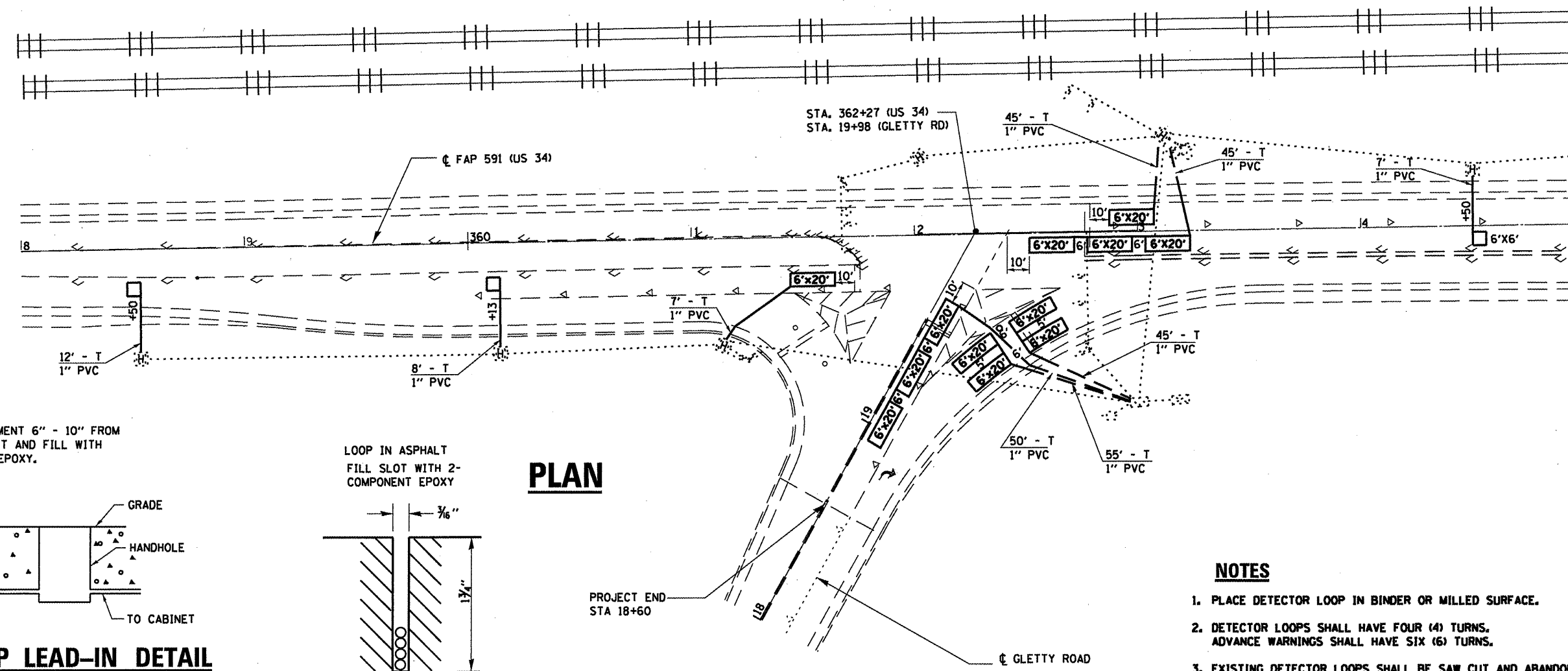
FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOODSHANK	REVISED -
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 6/13/2011		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

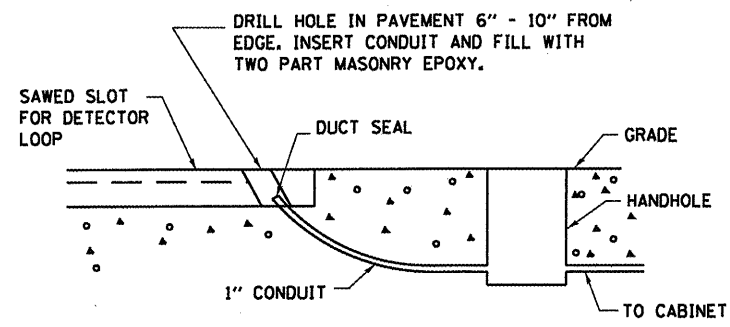
TYPICAL PAVEMENT MARKING  
SCALE: SHEET NO. 2 OF 2 SHEETS STA. 351+58 TO STA. 367+18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	03 INTERMITTENT RS 2012-1	DEKALB	12	10
CONTRACT NO. 66B45			ILLINOIS FED. AID PROJECT	

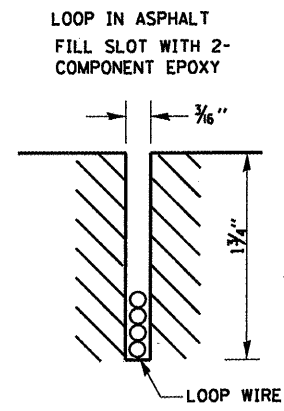
MATCH LINE STA. 365 + 00



**PLAN**



**DETECTOR LOOP LEAD-IN DETAIL**

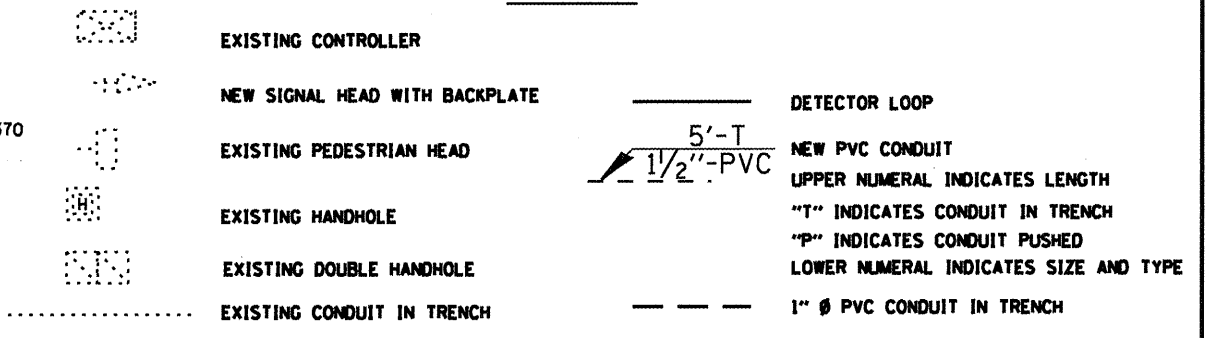


**DETECTOR LOOP INSTALLATION**

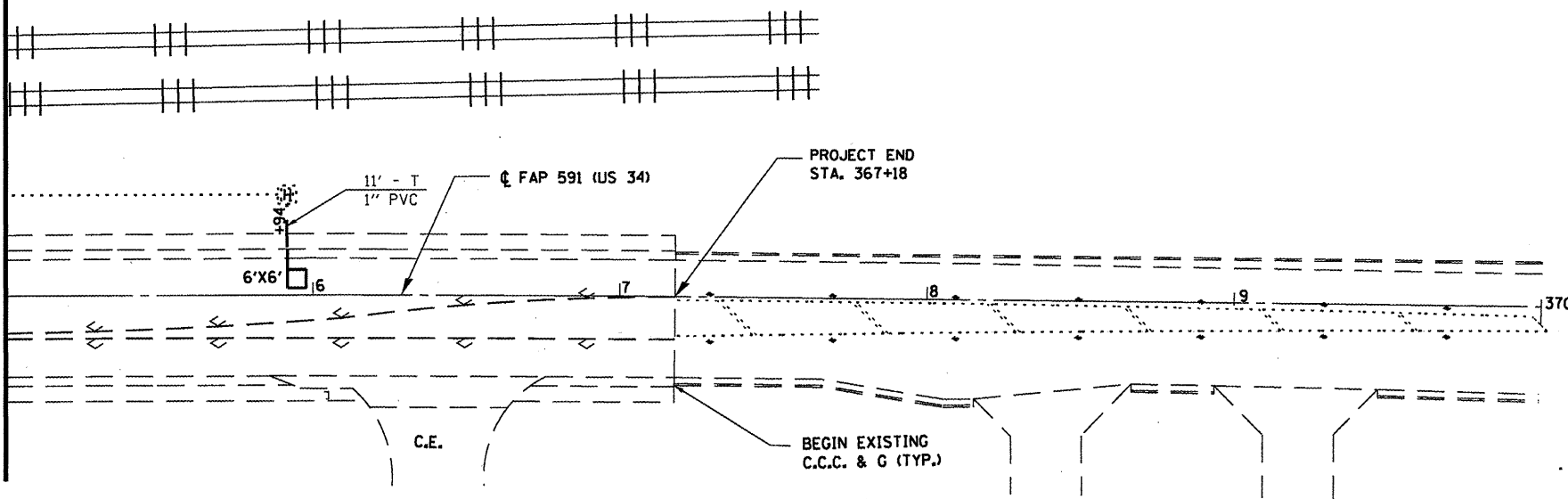
**NOTES**

1. PLACE DETECTOR LOOP IN BINDER OR MILLED SURFACE.
2. DETECTOR LOOPS SHALL HAVE FOUR (4) TURNS. ADVANCE WARNINGS SHALL HAVE SIX (6) TURNS.
3. EXISTING DETECTOR LOOPS SHALL BE SAW CUT AND ABANDONED.
4. THE DEPARTMENT OF TRANSPORTATION (815-434-8506) SHALL BE NOTIFIED AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOP.
5. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ANY WORK IS STARTED.
6. EACH DETECTOR LOOP SHALL HAVE AN INDIVIDUAL CONDUIT STUB.
7. THE DETECTOR LOOP CABLE FROM THE END OF THE SAW CUT TO THE SPLICE IN THE HANDHOLE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DETECTOR LOOP.

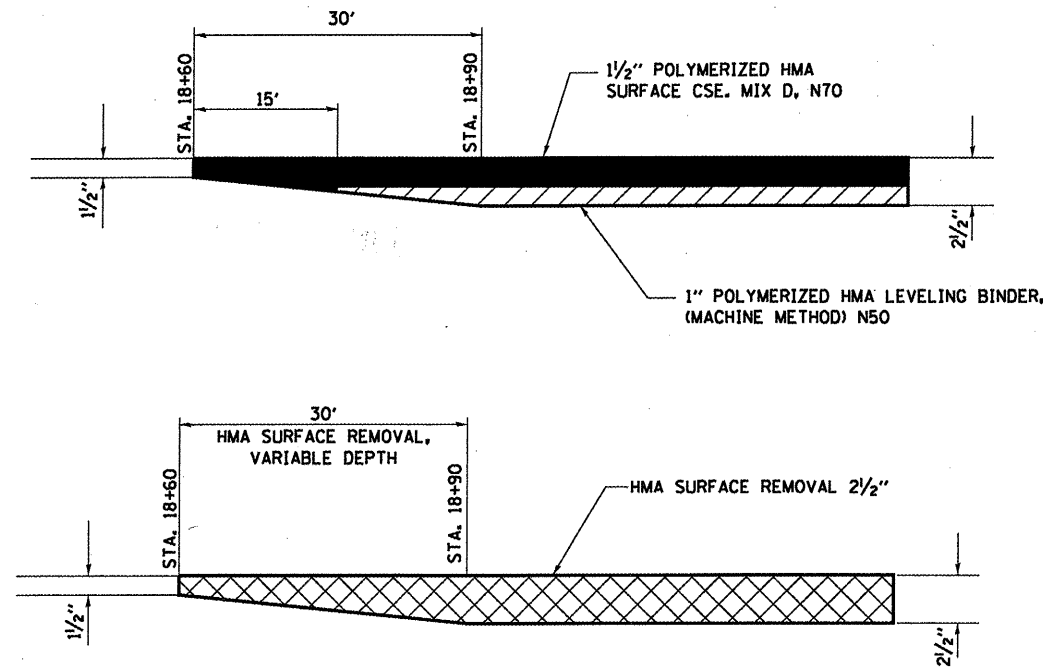
**LEGEND**



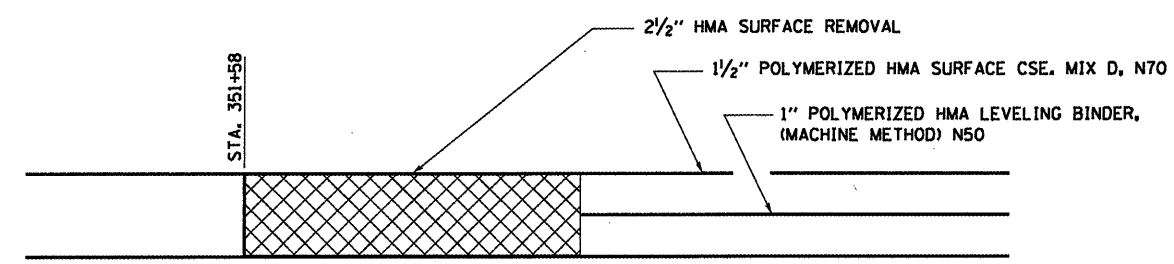
MATCH LINE STA. 365 + 00



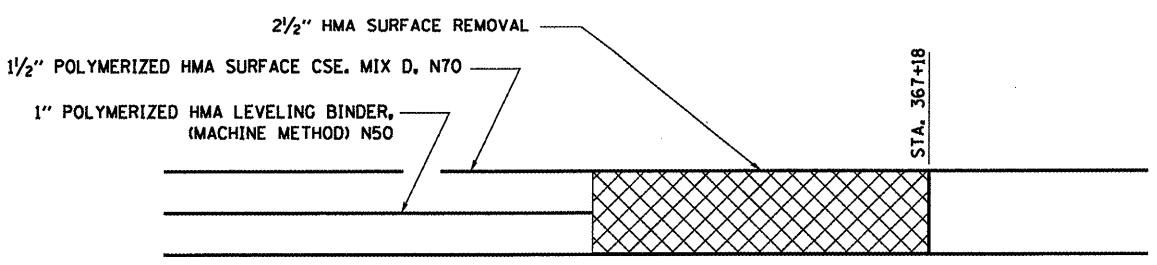
FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	<b>DETECTOR LOOPS</b>	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\woodshankr1\d0268411\066845-sht-detail.dgn	DRAWN - RON WOODSHANK	REVISED -	591			D3 INTERMITTENT RS 2012-1	DEKALB	12	11	
PLOT SCALE = 1/8"=1'-0" / in.	CHECKED -	REVISED -	CONTRACT NO. 66845							
PLOT DATE = 6/13/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. 351+58 TO STA. 367+18										



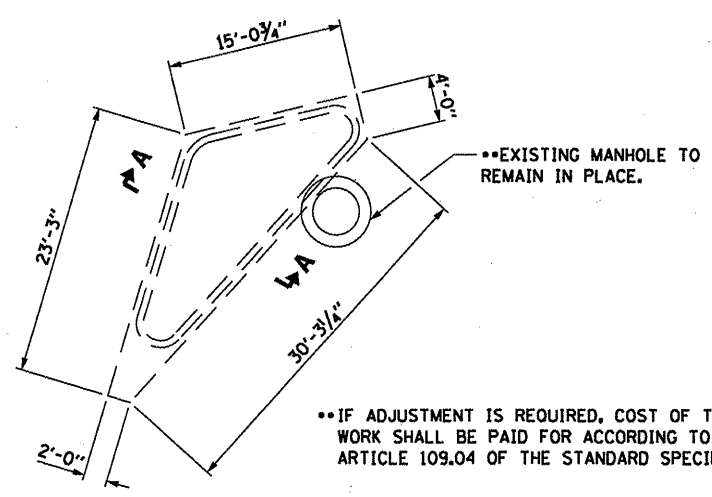
**GLETTY ROAD**  
STA. 18+60 TO 18+90



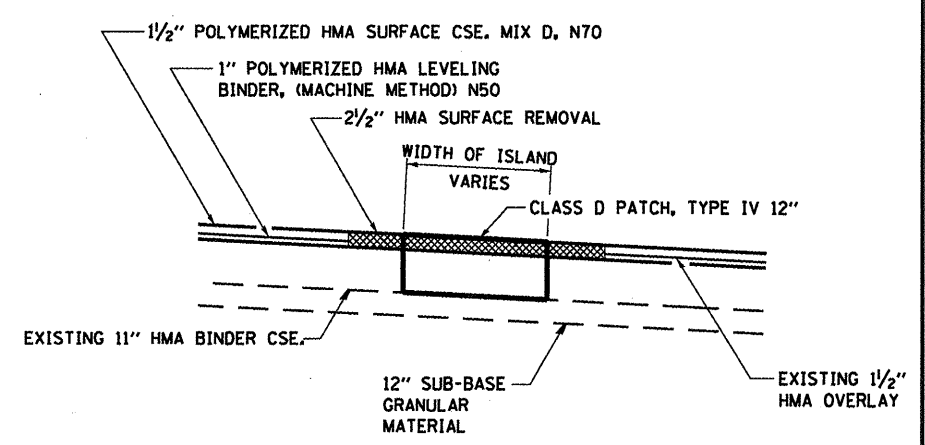
**US 34 MAINLINE**  
STA. 351+58



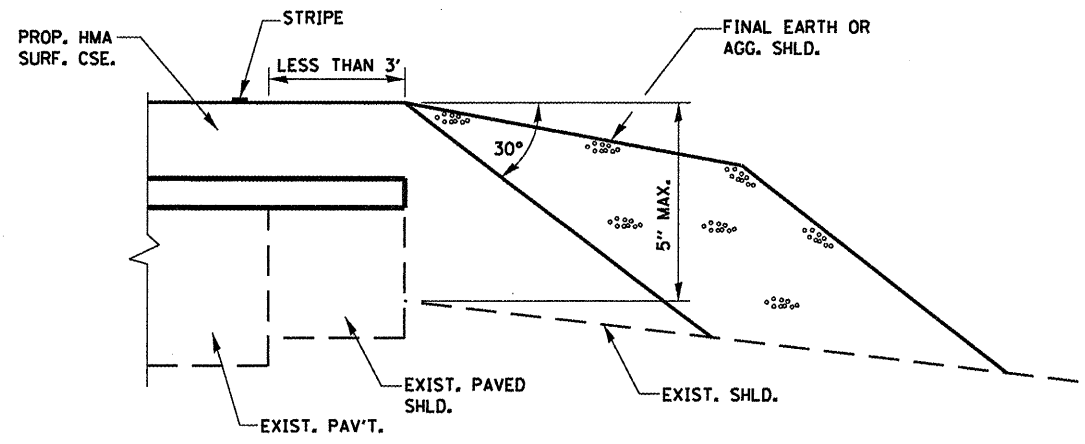
**US 34 MAINLINE**  
STA. 367+18  
**CONSTRUCTION JOINT DETAILS**



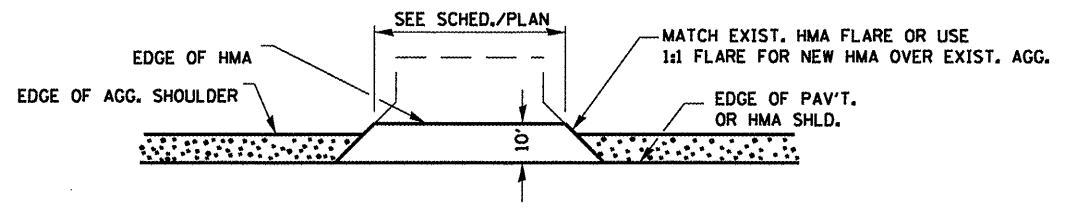
**ISLAND PLAN**



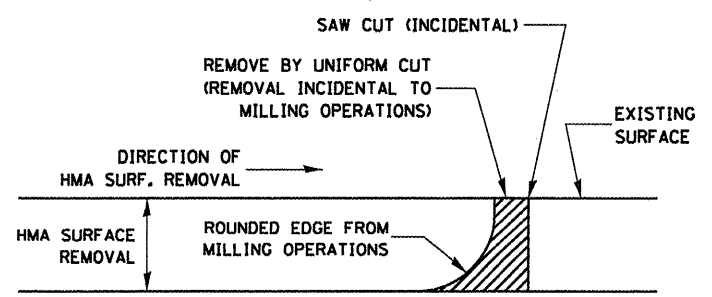
**SECTION A-A**



**SAFETY EDGE**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**  
(DO NOT RESURFACE FIELD ENTRANCES)



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**

FILE NAME =	USER NAME = woodshenr1	DESIGNED - RON WOODSHANK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
os:\pwork\pwork\woodshenr1\d0268411\0366845-sht-details.dgn	PLOT SCALE = 100.0000' / in.	DRAWN - RON WOODSHANK	REVISED -			591	03 INTERMITTENT RS 2012-1	DEKALB	12	12	
PLOT DATE = 8/13/2011	DATE -	CHECKED -	REVISED -			<b>CONTRACT NO. 66845</b>					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					