

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	1
ILLINOIS PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. 317 (U.S. RTE. 24)  
SECTION (24,25)RS-2  
PROJECT ACF-0317(077)  
LIVINGSTON COUNTY

C - 93 - 037 - 04

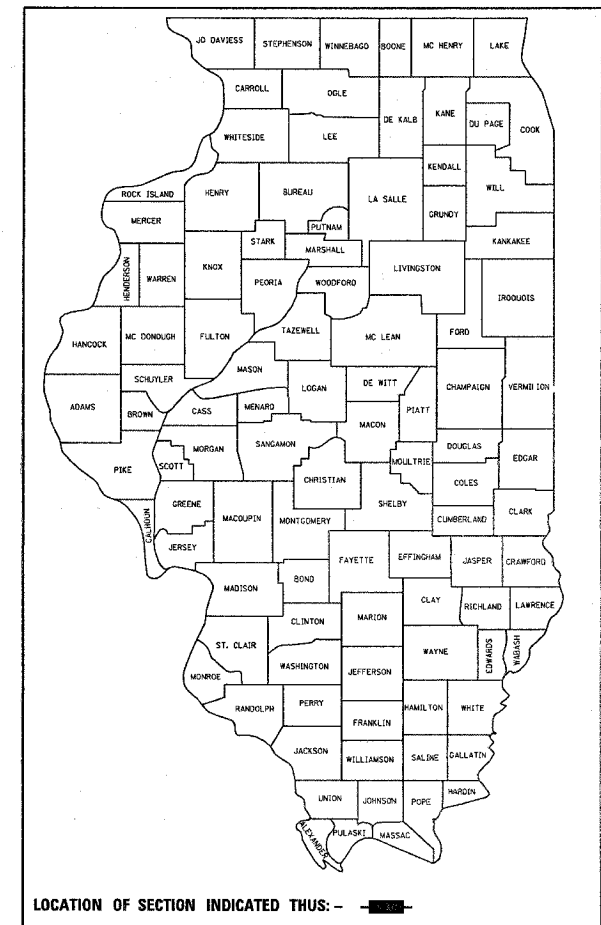
U.S. RTE. 24 FROM E.C.L. OF FORREST TO THE FORD COUNTY LINE

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, STANDARDS, AND SIGNATURE BLOCK
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- 10-12 PAVEMENT MARKING SHEETS
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HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 482011-03 BIT. SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701336-04 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
- 701901 TRAFFIC CONTROL DEVICES
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

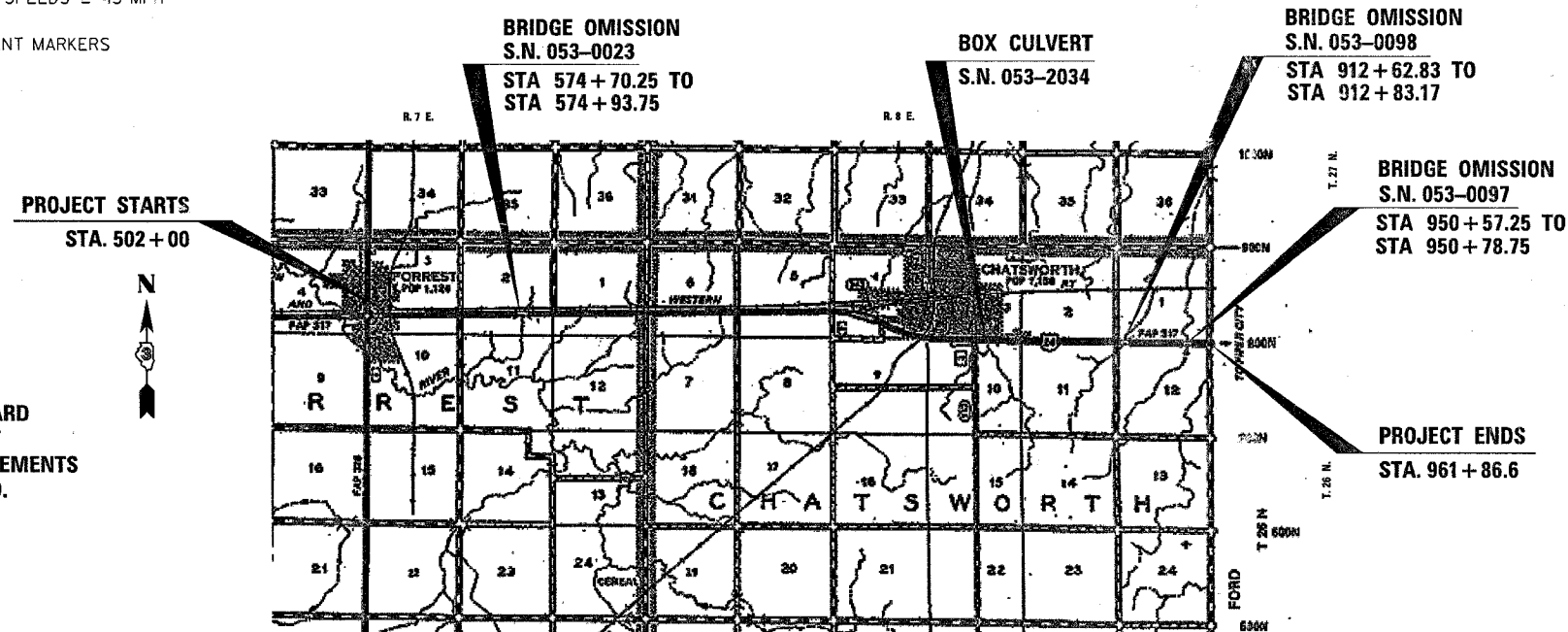


LOCATION OF SECTION INDICATED THUS: -

HIGHWAY CLASSIFICATION - OTHER PRINCIPAL ARTERIAL

2005 ADT = 3550

P.C. = 63% S.U. = 14% M.U. = 23%



LOCATION MAP  
NOT TO SCALE

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.

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS \_\_\_\_\_

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVE BROVIAK  
UNIT CHIEF: SCOTT FERGUSON  
TOWNSHIP: FORREST, CHATSWORTH

CONTRACT NO. 66435

GROSS LENGTH = 45986.60 FT. = 8.71 MI.  
NET LENGTH = 45901.93 FT. = 8.69 MI.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MARCH 31 20 08

George R. Brown  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 20 08  
Eric E. Harant  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 20 08  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

FAP. ETC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	Q242SR-2	LIVINGSTON	18	2
STA.		TO STA.		
FED. ROAD DIST. NO.		K.M.I.	FED. AID PROJECT	

**GENERAL NOTES**

(Revised March 31, 2006)

THE THICKNESS OF BITUMINOUS MIXTURES 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 BITUMINOUS MIXTURE IS PLACED.

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

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

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

SEEDING SHALL 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 IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

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

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

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 INCLUDED IN THESE PLANS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
BITUMINOUS RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	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
TEMPORARY DITCH CHECKS	7	BALES OR
	5	TONS AGGREGATE

THE EXISTING SHOULDERS ARE LOW. IN THE EVENT THAT CONSTRUCTION OPERATIONS RESULT IN A DROP OFF GREATER THAN 3" BETWEEN THE EDGE OF PAVEMENT OR EDGE OF SHOULDER WITHIN 3' OF THE EDGE OF PAVEMENT AND THE EARTH OR AGGREGATE SHOULDERS, THEN THE DROP OFF SHALL BE PROTECTED ACCORDING TO ARTICLE 701.04(B)(1) OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR TRAFFIC CONTROL.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

THE DEPARTMENT OF TRANSPORTATION(815-434-8506) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF DETECTOR LOOPS. EXISTING DETECTOR LOOPS TO BE ABANDONED SHOULD BE SAW CUT. DETECTOR LOOPS SHALL HAVE FOUR TURNS. ALSO, DETECTOR LOOPS SHOULD BE PLACED IN THE BINDER.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *R. P. Parrell*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 3-31-08

EXAMINED BY: *Heidi Jung*  
DISTRICT CONSTRUCTION ENGINEER

*J. J. J...*  
DISTRICT MATERIALS ENGINEER

*...*  
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL NOTES**

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F&A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	24,25(RS-2)	LIVINGSTON	18	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES		80% FED. 20% STATE	
CODE NO.	ITEM	CONSTRUCTION CODE	
		UNIT	I000 TOTAL QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	86.4
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12620.5
40600300	AGGREGATE (PRIME COAT)	TON	292.2
40600535	LEVELING BINDER (HAND METHOD), N70	TON	77
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	6468.7
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1401
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	39.9
40600990	TEMPORARY RAMP	SQ YD	271.6
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	12937.4
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	471.6
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	154016
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	56
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3726
66700095	PERMANENT SURVEY MARKERS	EACH	27
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	13575.2
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	99182.9
70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	11021.5
70300640	TEMPORARY PAINT PAVEMENT MARKING LINE 8"	FOOT	770
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	1115
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	226
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1506.9
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7208
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	770
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1115
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	226
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	91974.9
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	11021.5
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	653
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	653
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

\* SPECIALTY ITEMS

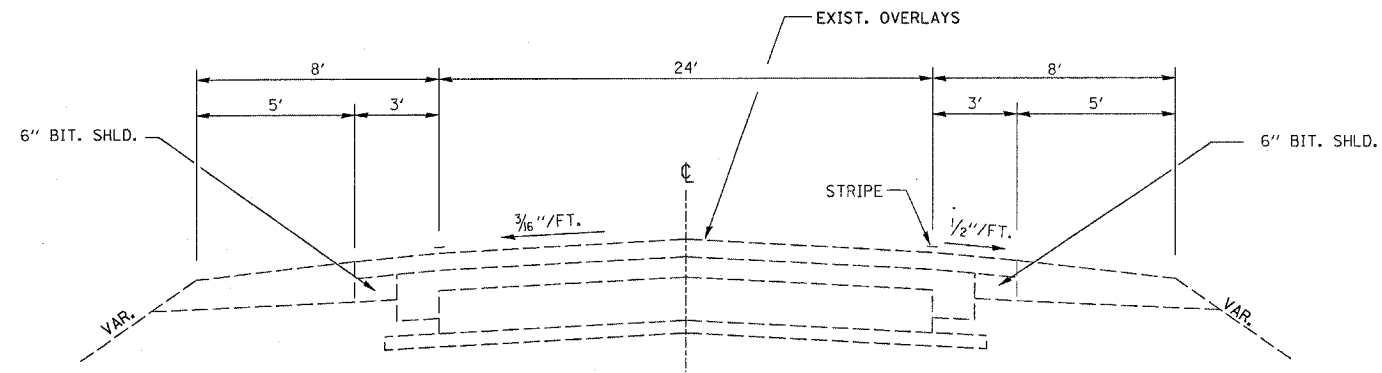
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

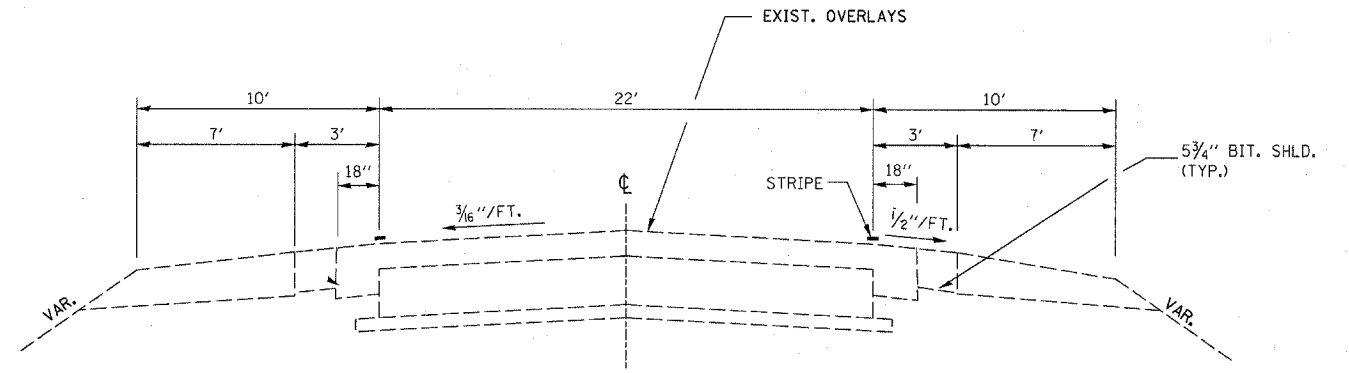
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



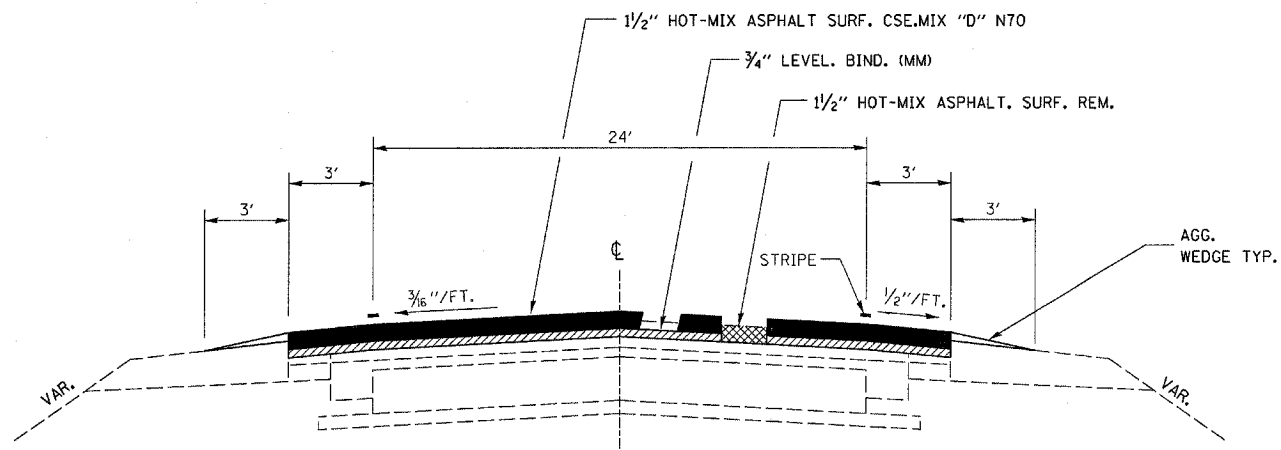
**EXISTING TYPICAL**

STA. 502+00 TO STA. 546+80



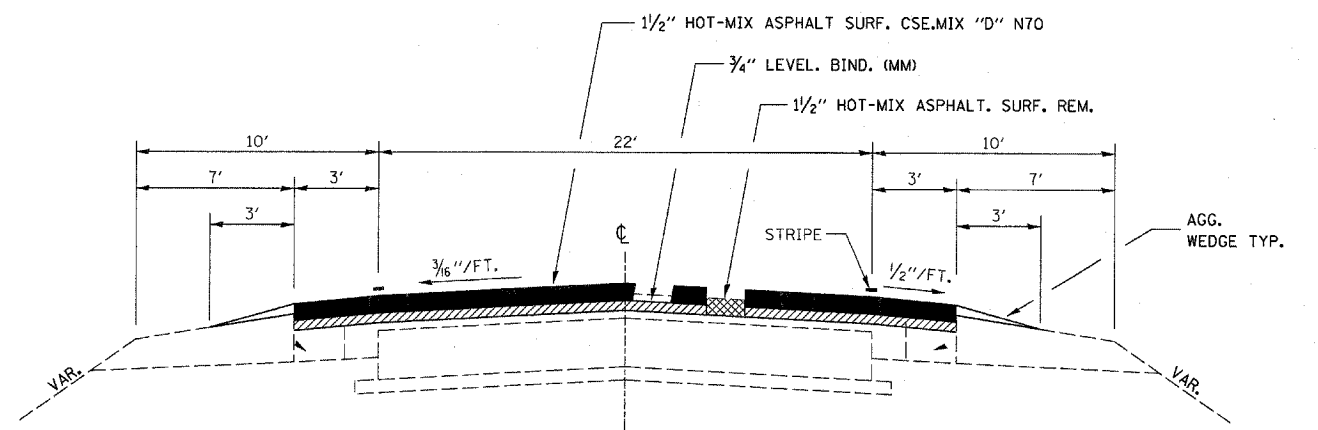
**EXISTING TYPICAL**

STA. 546+80 TO STA. 711+12.2  
STA. 837+84.2 TO 961+86.6



**PROPOSED TYPICAL**

STA. 502+00 TO STA. 546+80

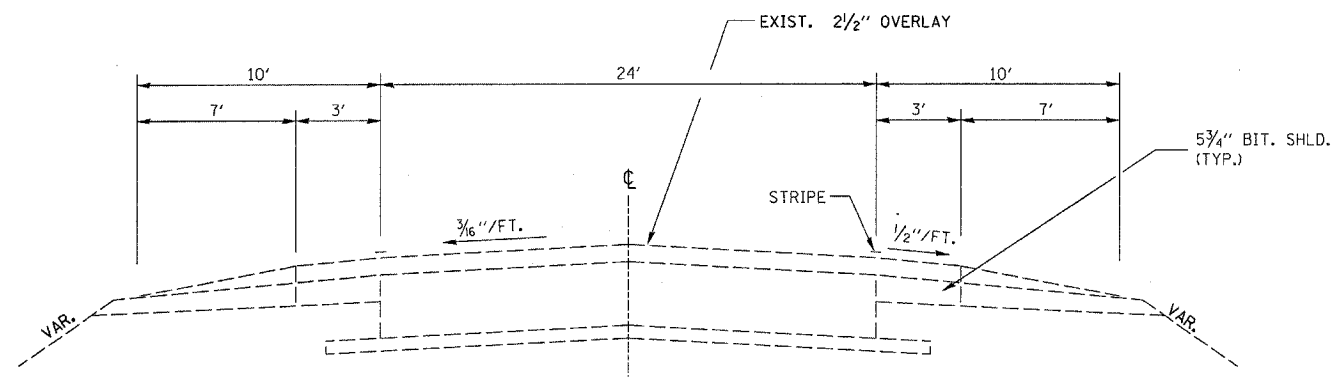


**PROPOSED TYPICAL**

STA. 546+80 TO STA. 711+12.2  
STA. 837+84.2 TO 961+86.6

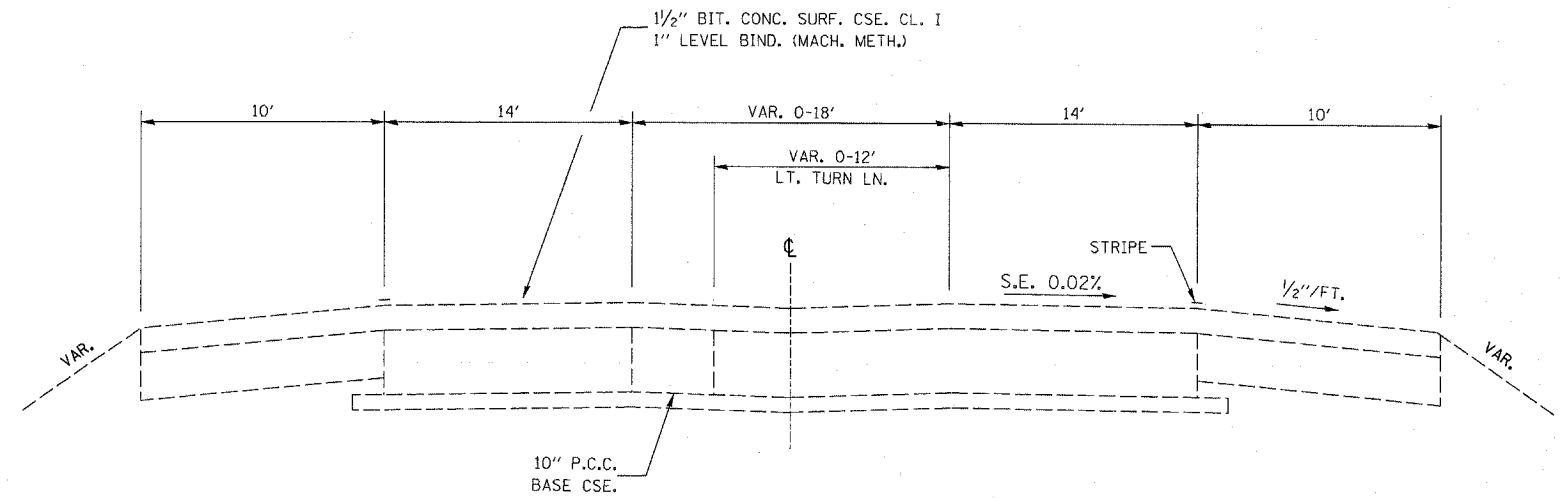
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**EXISTING TYPICAL**

STA. 711+12.2 TO STA. 747+00  
STA. 770+00 TO STA. 837+84.2

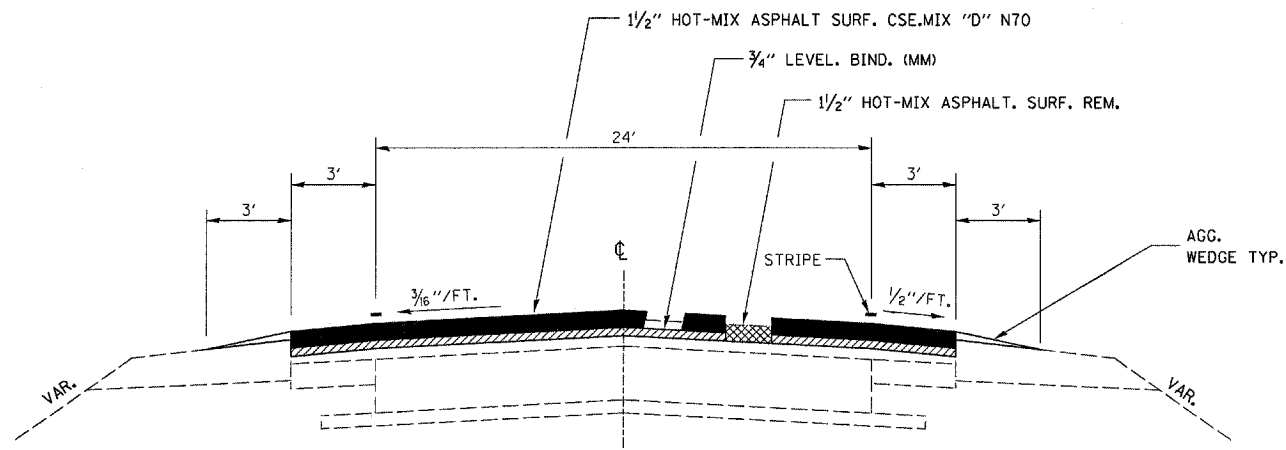


**EXISTING TYPICAL**

STA. 747+00 TO STA. 770+00

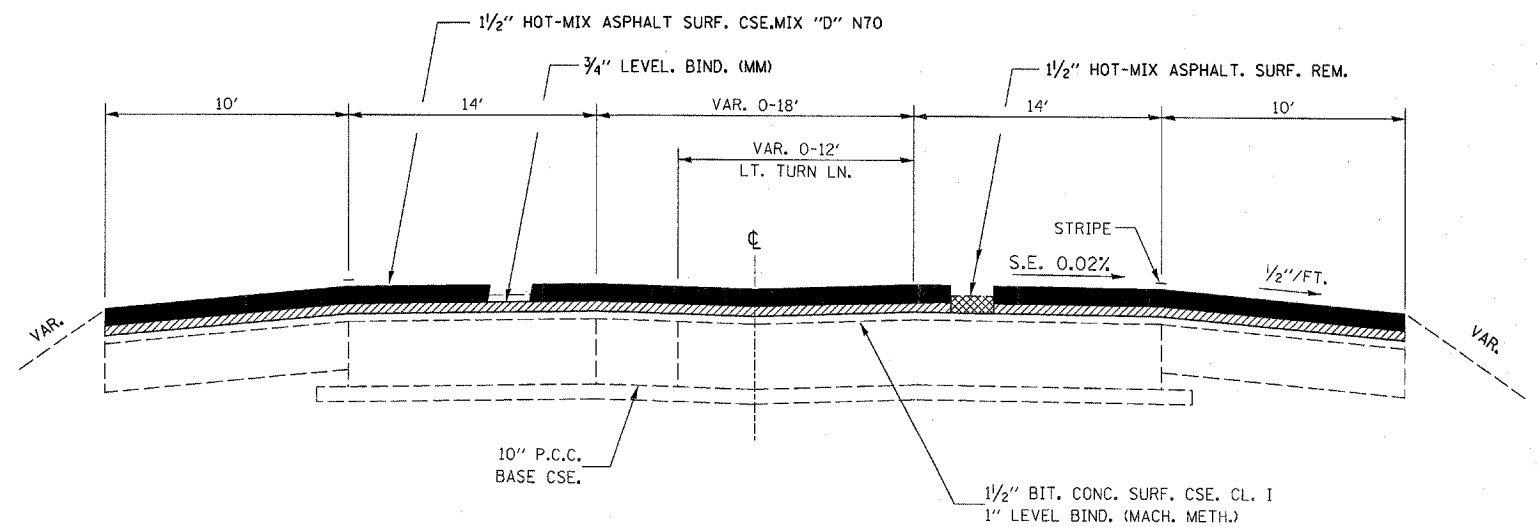
	HMA Level Binder	HMA Surface
PG Grade	PG64-22	PG64-22
Max % RAP Allowable**	15%	10%
Design Air	4.0% @	4.0% @
Voids	N70	N70
Mixture Composition	IL 9.5	IL 12.5 or IL 9.5
Friction Aggregate		Mixture C
Density Test Method	Satisfaction of Engineer	Nuclear/cores

\*\* If RAP percentage is different than listed above, the PG grade may need to be adjusted. This will be determined by the Engineer



**PROPOSED TYPICAL**

STA. 711+12.2 TO STA. 747+00  
STA. 770+00 TO STA. 837+84.2

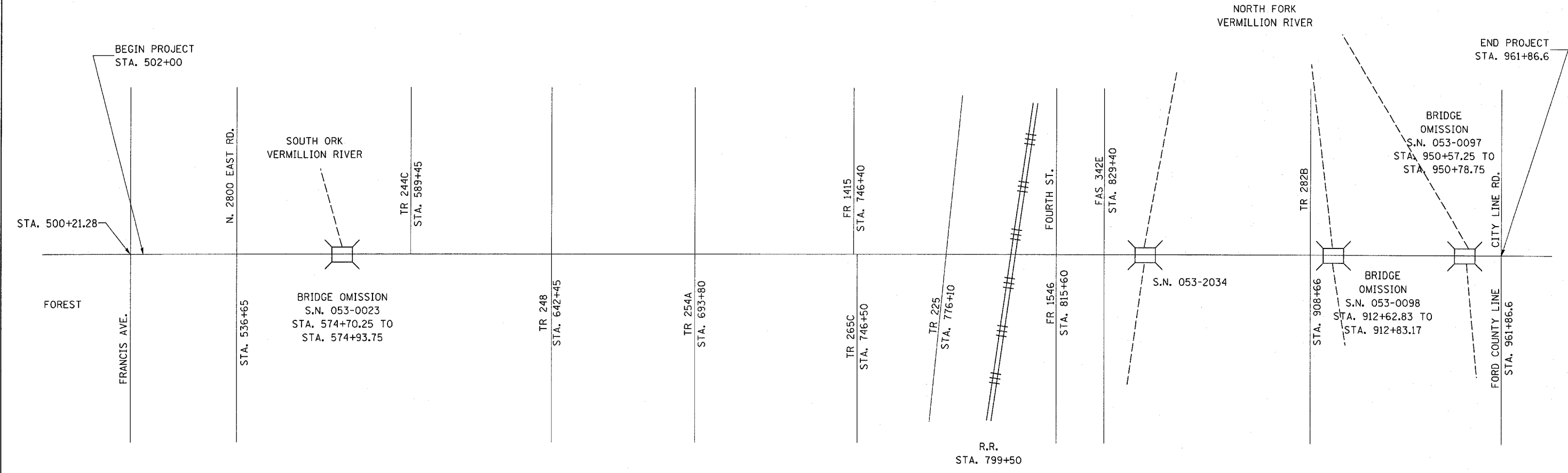


**PROPOSED TYPICAL**

STA. 747+00 TO STA. 770+00

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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FA-RTI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
317	G24.25/RS-2	LIVINGSTON	18	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

MAINLINE SCHEDULE																
LOCATION	LENGTH	WIDTH	WIDTH WITH PAVED SHLDR	PAVED SHLDR WIDTH	AGG SHLDR WIDTH	AREA	AREA WITH SHLDR	HOT-MIX ASPHALT SURF. CSE. MIX D N 70	LEVEL BIND (MACH.METH) N 70	LEVEL BINDER (HAND METH.)	AGG. PRIME COAT	BIT. PRIME COAT	AGG. SHLDRS. TY B	HOT-MIX ASPHALT SURF.REM BUTT JT	TEMP. RAMP	HOT-MIX ASPHALT SURF.REM 1 1/2"
			FEET	FEET	FEET	FEET	FEET	SO YD	SO YD	TONS	TONS	TONS	TONS	GAL.	TONS	SO YD
STA. 502+00 TO STA. 546+80	4480	24	30	6	6	11946.67	14933.3	1254.4	627.2	7.47	29.87	1194.67	383	100	16.67	14933.3
STA. 546+80 TO STA. 574+70.25	2790.25	22	28	6	6	6820.61	8680.78	729.19	364.59	4.34	17.36	694.46	238			8680.8
BRIDGE OMMISION																
STA. 574+70.25 TO STA. 574+93.75	23.5															
STA. 574+93.75 TO STA. 711+12.2	13618.45	22	28	6	6	33289.54	42368.5	3558.95	1779.48	21.18	84.74	3389.48	1163			42368.5
STA. 711+12.2 TO STA. 747+00	3587.8	24	30	6	6	9567.47	11959.3	1004.58	502.29	5.98	23.92	956.75	306			11959.3
STA. 747+00 TO STA. 770+00	2300	26-38	26-38	20	0	9893.87	15005	1260.42	630.21	7.5	30.01	1200.4				15004.98111
STA. 770+00 TO STA. 837+84.2	6784.2	24	30	6	6	18091.2	22614	1899.58	949.79	11.31	45.23	1809.12	579			22614.0
STA. 837+84.2 TO STA. 912+62.83	7478.63	22	28	6	6	18281.1	23266.9	1954.42	977.21	11.63	46.53	1861.35	639			23266.9
BRIDGE OMMISION																
STA. 912+62.83 TO STA. 912+83.17	20.34															
STA. 912+83.17 TO STA. 950+57.25	3774.08	22	28	6	6	9225.53	11741.6	986.29	493.15	5.87		939.33	322			11741.6
BRIDGE OMMISION																
STA. 950+57.25 TO STA. 950+78.75	21.5															
STA. 950+78.75 TO STA. 961+86.6	1107.85	22	28	6	6	2708.08	3446.64	289.52	144.76	1.72	6.89	275.73	95	93.3	15.56	3446.6
LINE TOTAL	45986.6					119824	154016	12937.35	6468.68	77	284.55	12321.29	3725.98	193.3	32.23	154016

RAISED REFLECTIVE PAVEMENT MARKER					
LOCATION		RAISED REFLECTIVE PAVEMENT MARKER			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
		CRYSTAL	2-WAY AMBER	1-WAY AMBER	
		EACH	EACH	EACH	EACH
STA. 502+00 TO STA. 546+80	4480		56		56
STA. 546+80 TO STA. 574+70.25	2790.25		35		35
BRIDGE OMMISION					
STA. 574+70.25 TO STA. 574+93.75	23.5				
STA. 574+93.75 TO STA. 711+12.2	13618.45		170		170
STA. 711+12.2 TO STA. 747+00	3587.8		45		45
STA. 747+00 TO STA. 770+00	2300	8	16	84	108
STA. 770+00 TO STA. 837+84.2	6784.2		85		85
STA. 837+84.2 TO STA. 912+62.83	7478.63		93		93
BRIDGE OMMISION					
STA. 912+62.83 TO STA. 912+83.17	20.34				
STA. 912+83.17 TO STA. 950+57.25	3774.08		47		47
BRIDGE OMMISION					
STA. 950+57.25 TO STA. 950+78.75	21.5				
STA. 950+78.75 TO STA. 961+86.6	1107.85		14		14
TOTAL		8	561	84	653

PATCHING CLASS D		
STA	LT	RT
	SO YD	SO YD
785+00		8
786+00	8	8
796+00	8	8
797+75	8	8
TOTAL	24	32
GRAND TOTAL		56

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULES**

SCALE: VERT. DATE  
HORIZ.

DRAWN BY  
CHECKED BY

F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKINGS

LOCATION	LENGTH	PAINT PAVEMENT MARKINGS		THERMOPLASTIC PVMT MK						TEMPORARY PAINT PAVEMENT MARKINGS						SHORT TERM PVMT PAVEMENT MARKING	WORK ZONE PVMT MARKING REMOVAL		
		4"	6"	4"	8"	12"	24"	LETTERS & SYMBOLS	4"	6"	8"	12"	24"	LETTERS & SYMBOLS	SO FT.	SO FT.			
		WHITE LIN FT.	YELLOW LIN FT.	YELLOW LIN FT.	WHITE LIN FT.	WHITE LIN FT.	YELLOW LIN FT.	WHITE LIN FT.	WHITE SQ. FT.	WHITE LIN FT.	YELLOW LIN FT.	YELLOW LIN FT.	WHITE LIN FT.	WHITE LIN FT.	YELLOW LIN FT.	WHITE LIN FT.			
STA.502+00 TO 574+70.25	7270.25	14540.5	1817.6						14540.5		1817.6						2181.075	242.1	
BRIDGE OMISSION	22.75	45.5	10						45.5		10								
STA.574+93 TO 711+12.20	13619.2	27238.4	3404.8						27238.4		3404.8						4085.76	453.5	
STA.711+12.2 TO 747+02.6	3590.4	7180.8	897.6						7180.8		897.6						1077.12	119.6	
STA.747+02.6 TO 754+45	742.4	1484.8							1484.8										
STA.754+45 TO 761+30	685	1370							1370										
STA.761+30 TO 766+79.20	549.2	1098.4							1098.4										
STA. 766+79.20 TO 834+69.33	6790.13	13580.26	1697.5					72	123	13580.3		1697.5			72	123	2037.039	226.1	
BOX CULVERT 053-2034	20	40	10							40		10							
STA. 834+88.66 TO 912+62.83	7774.17	15548.34	1943.5						15548.3		1943.5						2332.251	258.9	
BRIDGE OMISSION	20.34	41	10						41		10								
STA. 912+83.17 TO 950+57.25	3774.08	7548.16	943.5						7548.16		943.5						1132.224	125.7	
BRIDGE OMISSION	21.5	43	10						43		10								
STA. 950+78.75 TO 961+86.60	1107.85	2215.7	277						2215.7		277						332.355	36.9	
FAS 342W INTERSECT.				7208	270		900	20	47		7208		270		900	20	47	119	13.2
4 TH ST. INTERSECT.					250	105		70				250	105		70			137	15.2
FAS 342E INTERSECT.					250	110		64				250	110		64			141.4	15.7
	45987.27	91974.9	11021.5	7208	770	215	900	226	170	91974.9	7208	11021.5	770	215	900	226	170	13575.224	1506.9

SIDEROAD SCHEDULE

STATION	SIDE	DESCRIPTION	MATERIAL	WIDTH FOOT	AREA SQ FT	INCIDENTAL HOT-MIX ASPHALT SURFACE TON	BITUMINOUS PRIME COAT GAL	AGGREGATE PRIME COAT TON	FURNISHED EXCAVATION CU YD	TEMPORARY RAMPS SQ YD	HOT-MIX ASPHALT SURF.REM. BUTT JT. SQ YD
540+54.40	RT.	TR 2800 E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
540+54.40	LT.	TR 2800 E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
589+45	LT.	TR 244 C 2900E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
642+40	LT.	TR 248 C 3000E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
642+40	RT.	TR 248 C 3000E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
693+90	LT.	TR 254 C 3100E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
693+90	RT.	TR 254 C 3100E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
746+60	LT.	FR 1415 3200E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
746+60	RT.	TR 268 C 3200E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
760+00	LT.	FAS 342 W 3225E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
776+00	RT.	TR 225	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
776+20	LT.	TR 225	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
815+60	LT.	4 TH ST 3325E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
815+60	RT.	4 TH ST 3325E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
829+40	LT.	FAS 342 E 3350E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
829+40	RT.	FAS 342 E 3350E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
908+70	LT.	TR 282 B 3500E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
908+70	RT.	TR 282 B 3500E	BIT.	24	1320	18.5	11.7	0.3	4.8	13.3	53.3
LINE TOTAL						333	210.6	5.4	86.4	239.4	959.4

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ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE

SCHEDULES

SCALE: VERT.  
HORIZ.  
DATE

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CHECKED BY



F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	0242SIRS-2	LIVINGSTON	18	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ENTRANCE SCHEDULE

STATION	SIDE	TYPE	WIDTH	MATERIAL	AREA	INCIDENTAL HOT-MIX ASPHALT SURFACE	BITUMINOUS PRIME COAT	AGGREGATE PRIME COAT	PCC SURF REMOVAL BUTT JT.	HOT-MIX ASPHALT SURF. REM. BUTT JT.
						TON	GALLON	TON	SQ YD	SQ YD
502+59	RT	CE	30	PCC	400	5.6	3.6	0.09	13.3	
502+59	LT	PE	24	AGG						
503+63	RT	CE	30	PCC	400	5.6	3.6	0.09	13.3	
507+00	RT	CE	30	PCC	400	5.6	3.6	0.09	13.3	
527+58	RT	FE	24	AGG						
547+55	RT	PE&MB	22	BIT	320	4.48	2.8	0.07		9.8
548+75	RT	PE&MB	20	BIT	300	4.2	2.7	0.07		8.9
562+80	RT	PE&MB	22	BIT	320	4.48	2.8	0.07		
574+00	RT	FE	16	AGG						
589+10	RT	MB	12	BIT	220	3.08	2	0.05		5.3
592+70	RT	PE	20	BIT	300	4.2	2.7	0.07		8.9
615+80	RT	FE	16	AGG						
623+44	RT	FE	16	DIRT						
624+40	LT	PE	20	BIT	300	4.2	2.7	0.07		8.9
652+55	LT	MB	12	BIT	220	3.08	2	0.05		5.3
652+55	RT	PE	20	BIT	300	4.2	2.7	0.07		8.9
658+80	RT	FE	16	AGG						
671+50	RT	PE	20	BIT	300	4.2	2.7	0.07		8.9
671+80	LT	MB	12	BIT	220	3.08	2	0.05		5.3
707+30	RT	PE	20	BIT	300	4.2	2.7	0.07		8.9
760+00	RT	PE	20	AGG						
767+15	RT	FE	16	AGG						
773+00	LT	FE	20	AGG						
773+00	LT	FE	16	AGG						
790+00	LT	FE	16	AGG						
790+00	RT	FE	16	AGG						
840+30	RT	PE&MB	20	BIT	300	4.2	2.7	0.07		8.9
848+50	LT	PE	20	BIT	300	4.2	2.7	0.07		8.9
850+00	LT	CE&MB	20	BIT	300	4.2	2.7	0.07		8.9
851+40	LT	CE	20	BIT	300	4.2	2.7	0.07		8.9
851+75	LT	CE	24	BIT	340	4.76	3	0.08		10.7
853+80	LT	CE&MB	24	BIT	340	4.76	3	0.08		10.7
857+35	LT	PE&MB	24	BIT	340	4.76	3	0.08		10.7
859+10	LT	PE&MB	20	BIT	300	4.2	2.7	0.07		8.9
862+00	LT	CE&PE	20	BIT	300	4.2	2.7	0.07		8.9
876+75	LT	PE&MB	24	BIT	340	4.76	3	0.08		10.7
878+40	LT	PE	20	BIT	300	4.2	2.7	0.07		8.9
890+50	RT	FE	16	AGG						
892+33	LT	CE&PE	20	BIT	300	4.2	2.7	0.07		8.9
898+50	RT	FE	20	BIT	300	4.2	2.7	0.07		8.9
917+90	LT	FE	16	AGG						
931+60	LT	MB	12	BIT	220	3.08	2	0.05		5.3
931+60	RT	PE	20	BIT	300	4.2	2.7	0.07		8.9
954+55	LT	PE&MB	24	BIT	340	4.76	3	0.08		10.7
961+85	LT	CITY LINE	24	BIT	340	4.76	3	0.08		10.7
961+85	RT	CITY LINE	24	BIT	340	4.76	3	0.08		10.7
LINE TOTAL						138.6	88.6	2.29	39.9	248.3

PERMANENT SURVEY MARKERS TYPE 1		
STATION	TYPE	EACH
542+62.63	PC	1
544+34.45	PI	1
546+05.96	PT	1
546+96.66	PC	1
548+68.38	PI	1
550+40.00	PT	1
590+06.76	POT	1
623+56.70	PI	1
667+23.60	PI	1
712+27.77	PI	1
732+65.10	POT	1
744+06.34	PC	1
759+86.00	POC	1
774+42.00	PT	1
780+46.67	PC	1
809+49.90	PT	1
820+11.49	POT	1
829+42.06	POT	1
851+96.97	PI	1
866+40.3	#1	1
889+94.93	PI	1
916+01.61	PC	1
929+26.63	PI	1
942+51.60	PT	1
962+64.86	PI	1
983+92.49	#2	1
983+93.78	#3	1
TOTAL		27

#1 QUARTER CORNER SECTIONS 3 & 10  
 #2 SECTION CORNER 1 & 12  
 #3 SECTION CORNER 6 & 7

SEE COMMITMENT FILE FOR MONUMENT RECORDS AND ORIGINAL TIES

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REVISIONS	
NAME	DATE

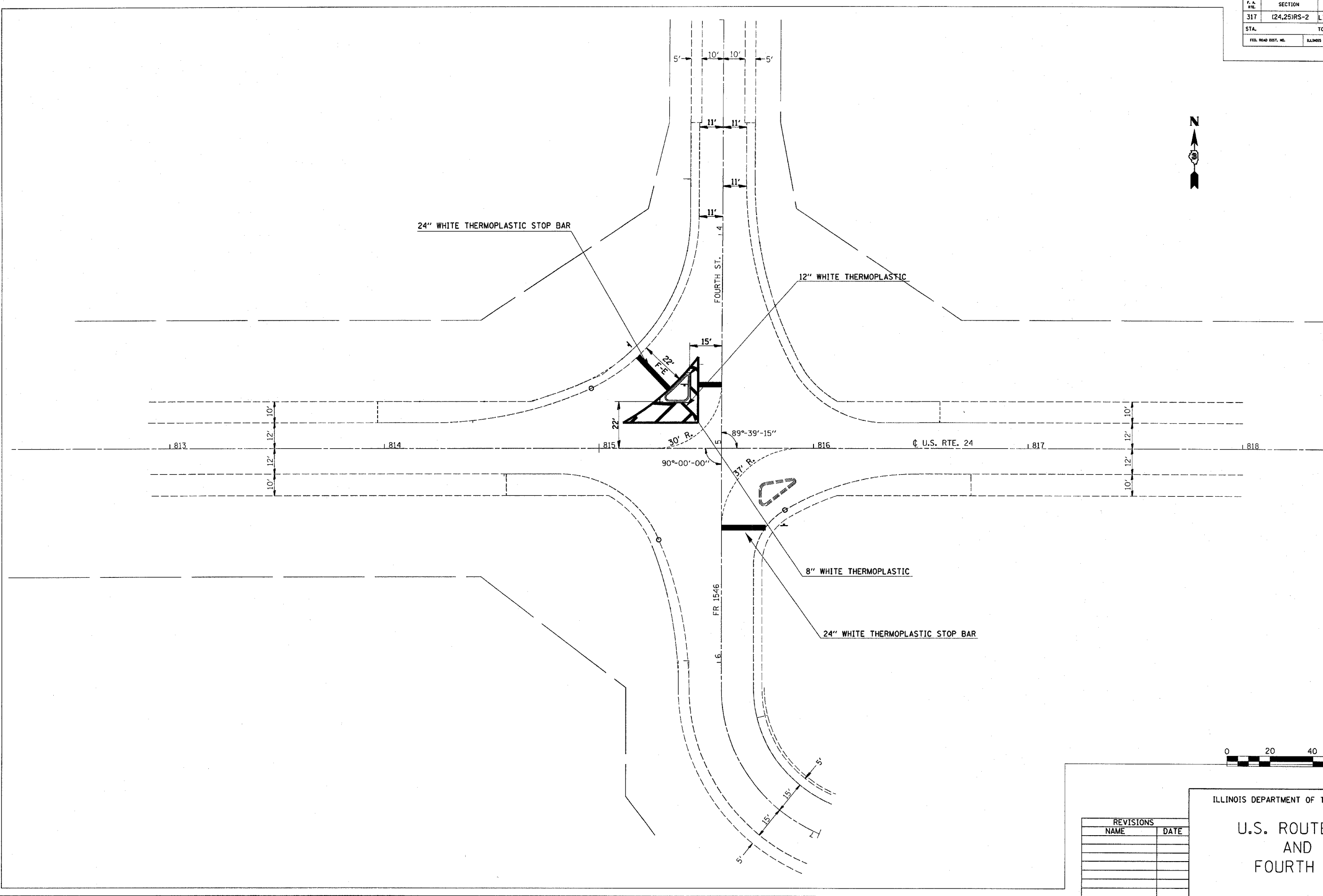
ILLINOIS DEPARTMENT OF TRANSPORTATION

## SCHEDULES

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

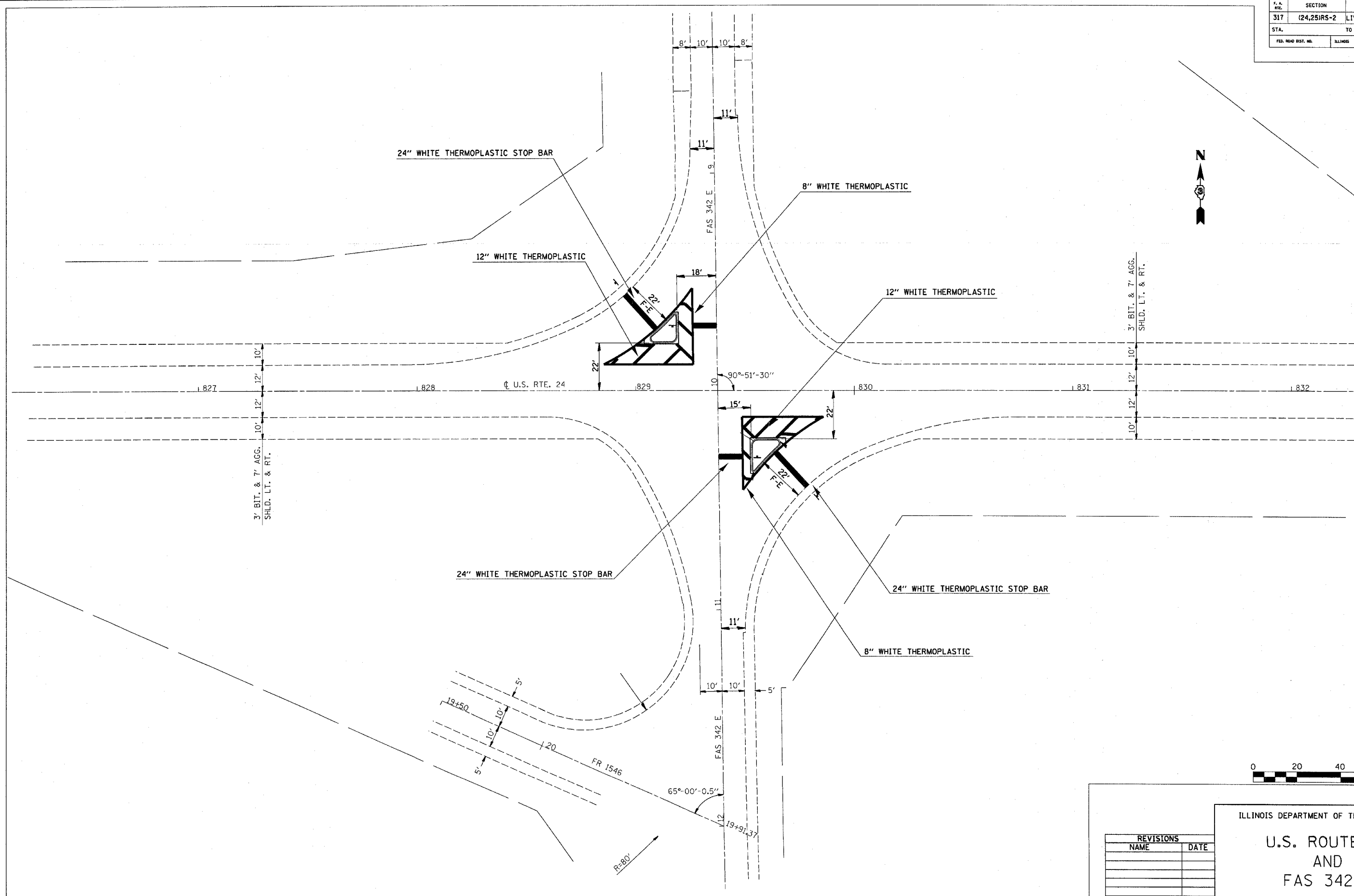


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 24  
AND  
FOURTH ST**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

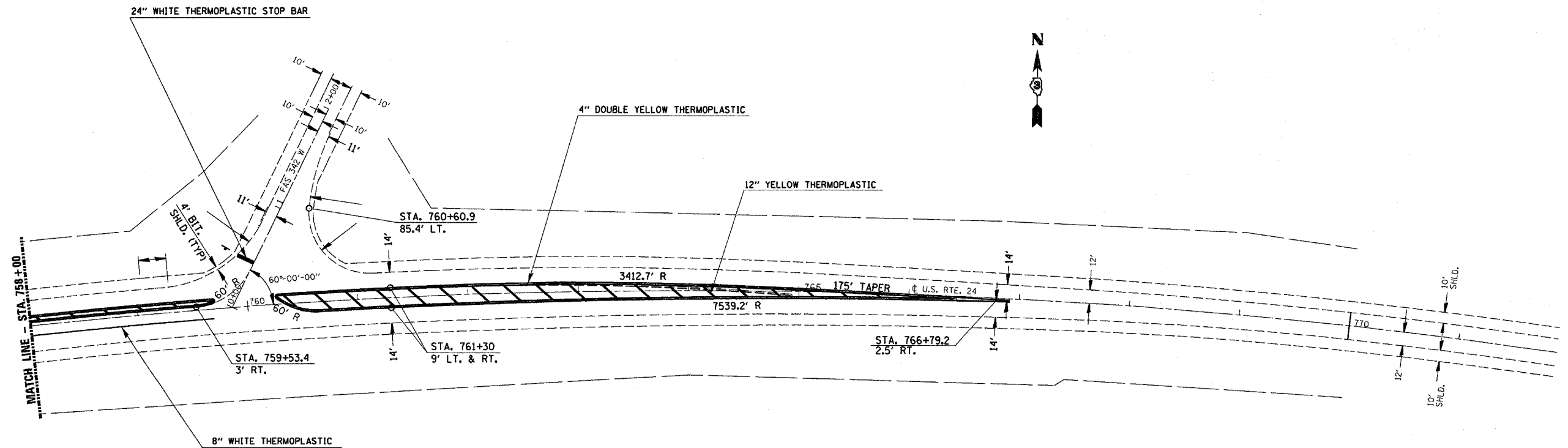
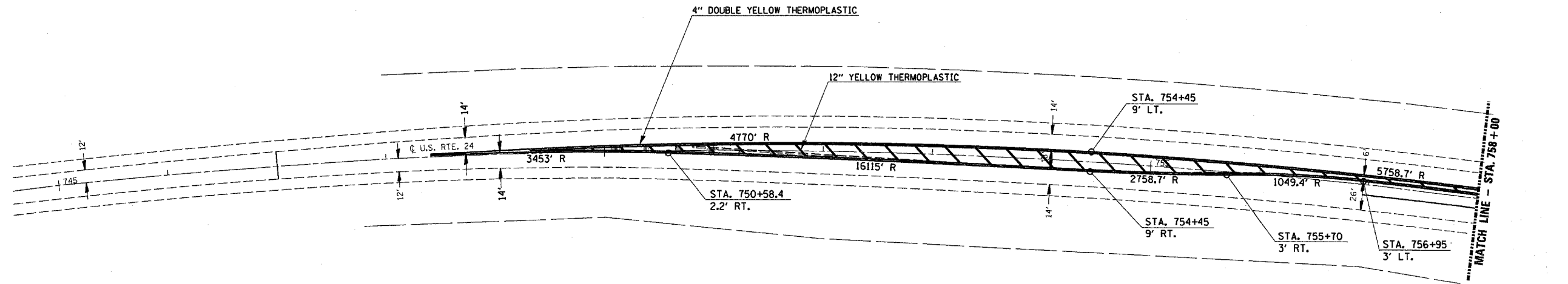


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**U.S. ROUTE 24  
AND  
FAS 342 E**

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



P.I. STA= 759+61  
 $\Delta$ = 30°-20'-00"  
 D= 1°-00' (CHORD)  
 R= 5729.65'  
 T= 1553.13'  
 L= 3033.33'  
 E= 206.77'  
 S.E.= 0.02 FT./FT.  
 P.C. STA= 744+07.87  
 P.T. STA= 774+41.20

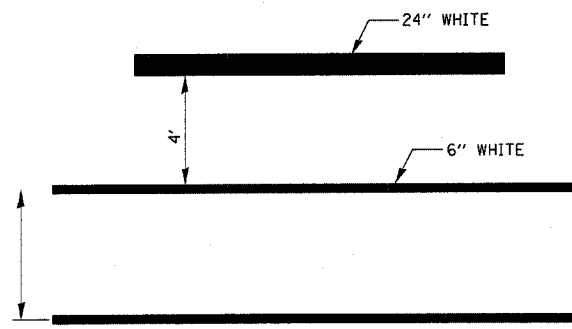


REVISIONS	
NAME	DATE

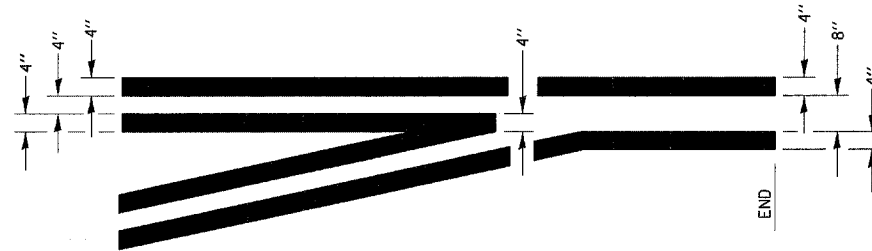
ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 24  
AND  
F.A.S. 342 W

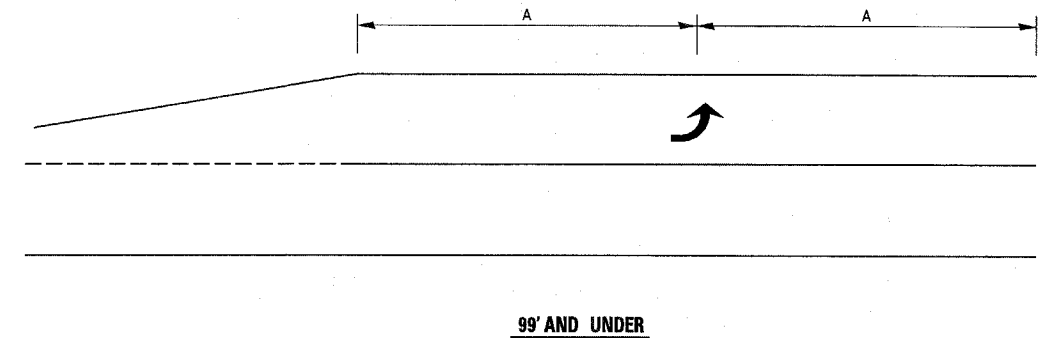
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



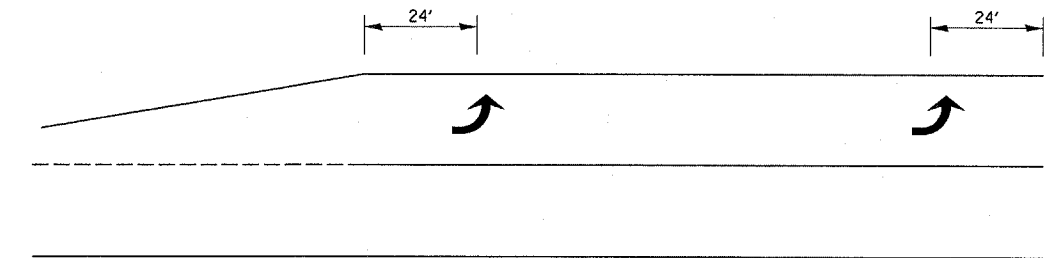
**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



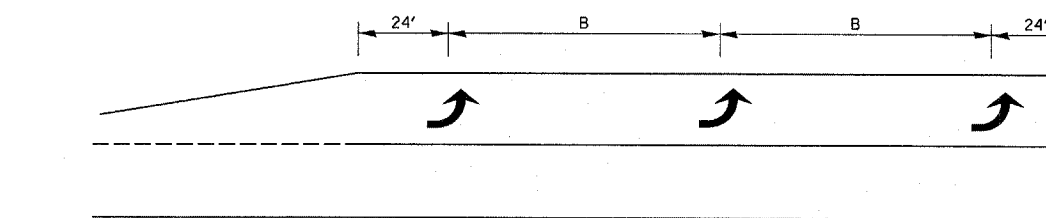
**TYPICAL APPLICATION @ LEFT TURN LANES**



**99' AND UNDER**

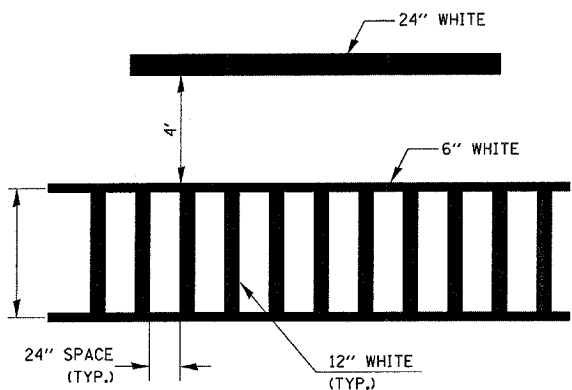


**100' TO 149'**

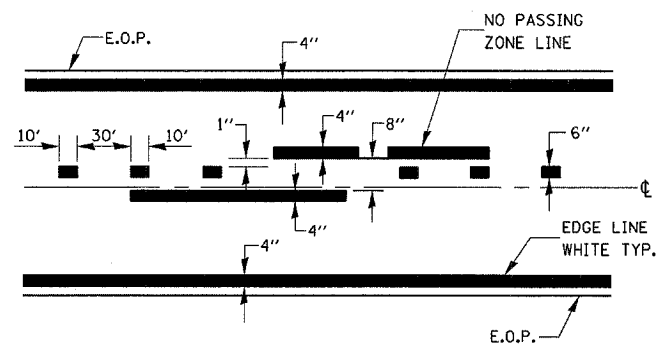


**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS IN TURN LANES**



**TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS**



**PAVEMENT MARKING**

REVISIONS	
NAME	DATE

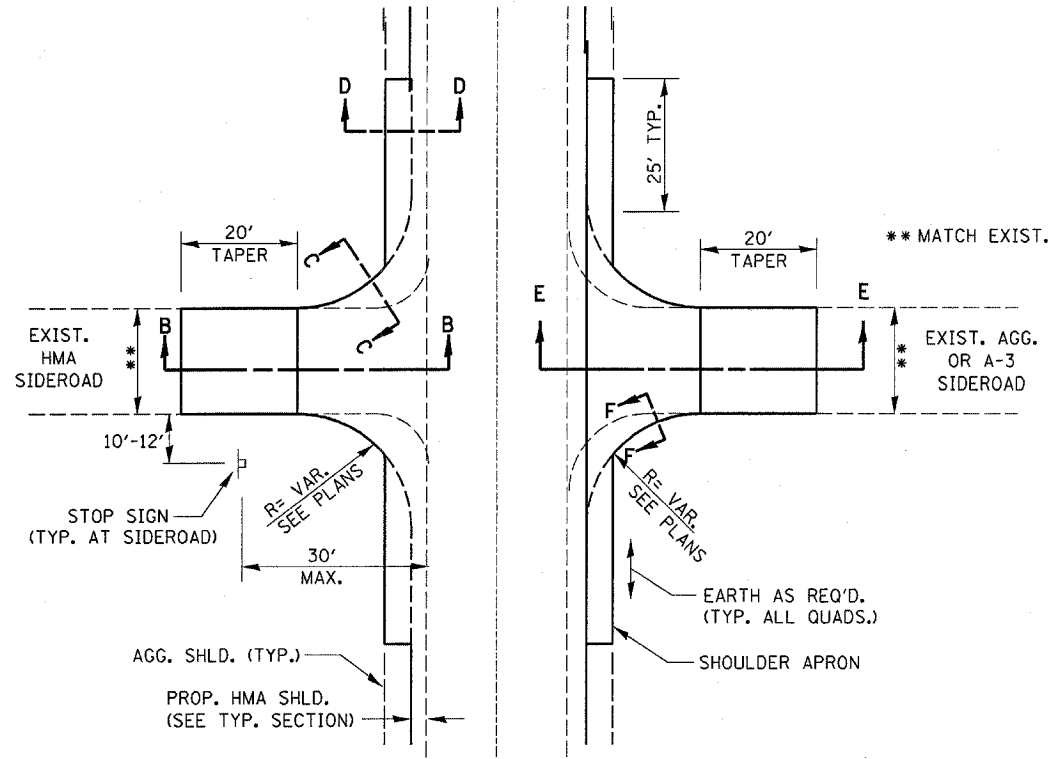
ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS**

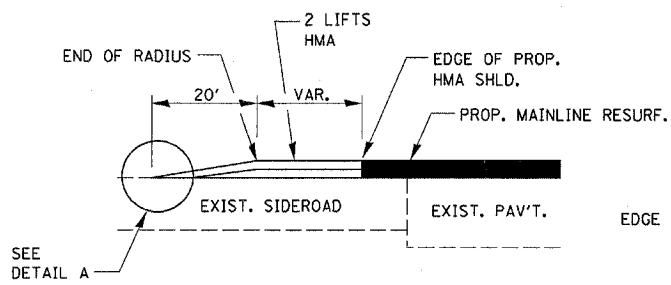
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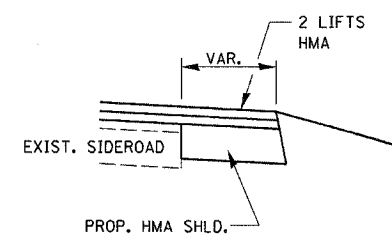
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STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



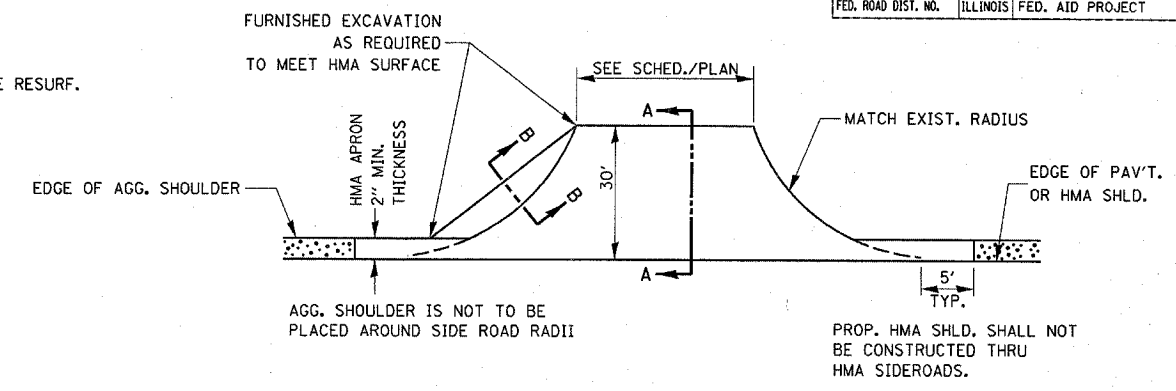
**SIDEROAD DETAIL**



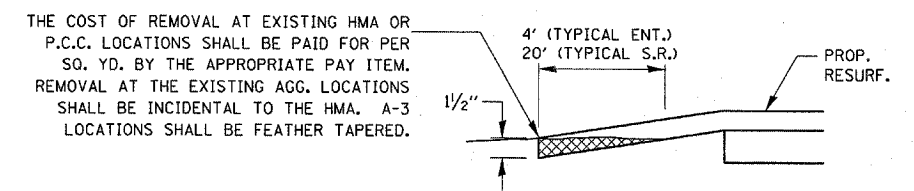
**SECTION B-B**



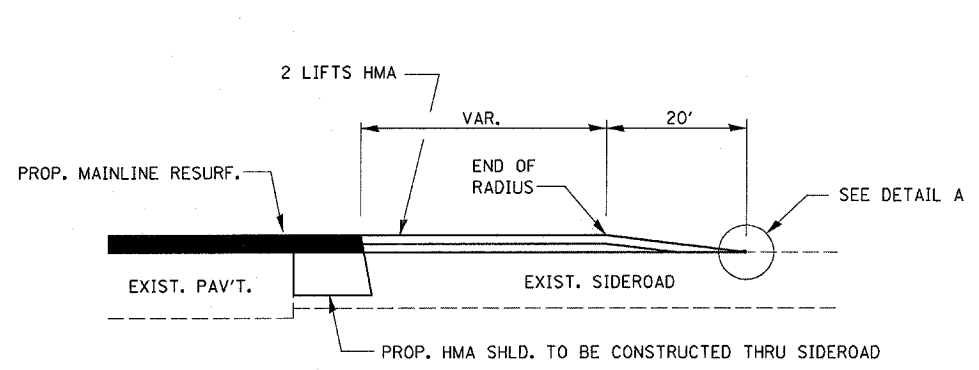
**SECTION C-C**



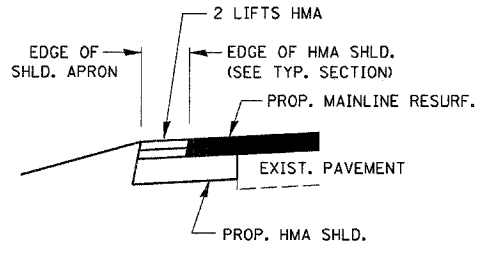
**PLAN AT SIDE ROADS**



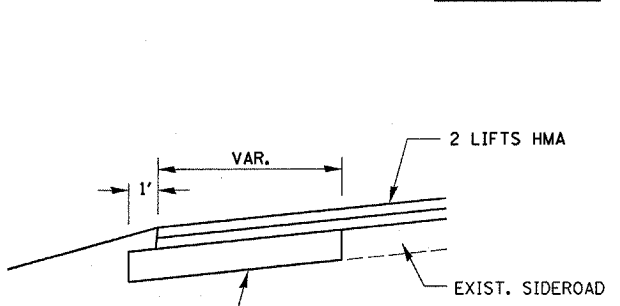
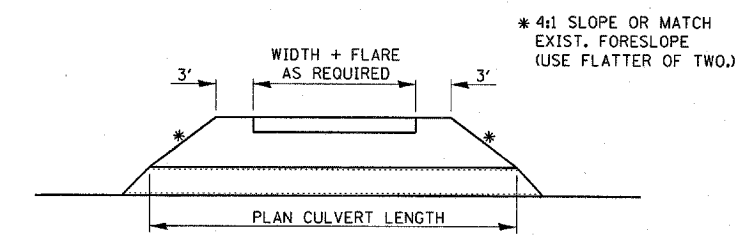
**DETAIL A**



**SECTION E-E**

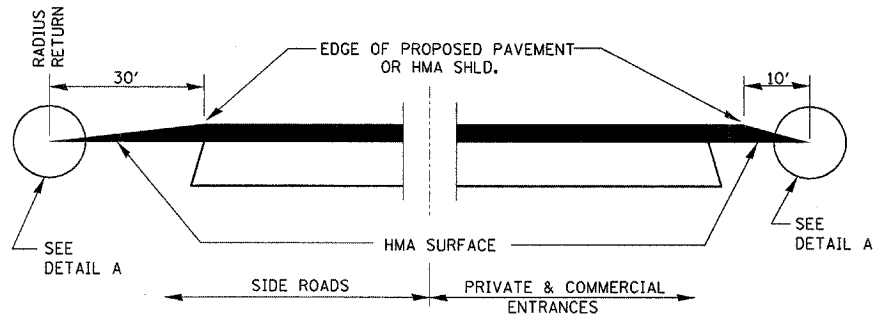


**SECTION D-D**

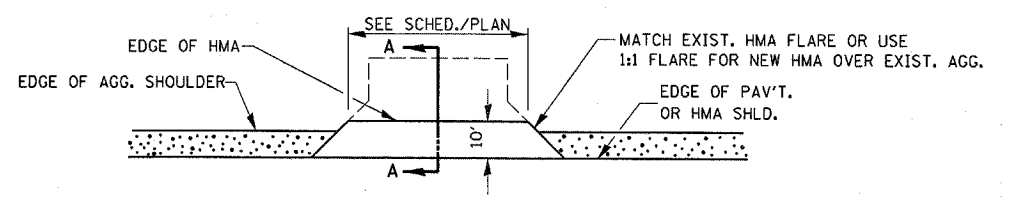


**SECTION F-F**

NOTE: SHOULDER APRON TO BE CONSTRUCTED THE SAME AS RADIUS WIDENING.



**SECTION A-A**  
**DETAILS AT ENTRANCES & SIDE ROADS**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS**

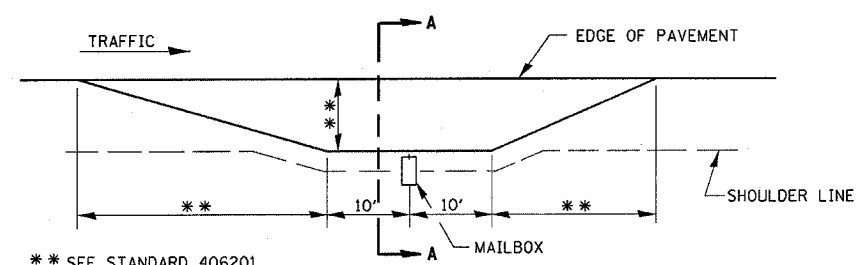
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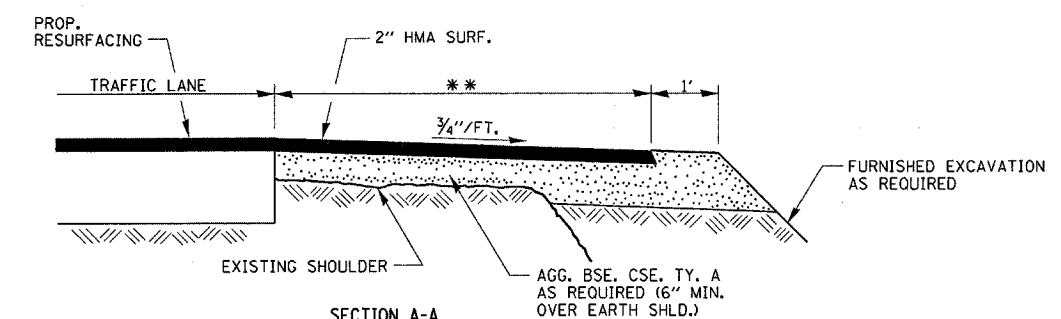
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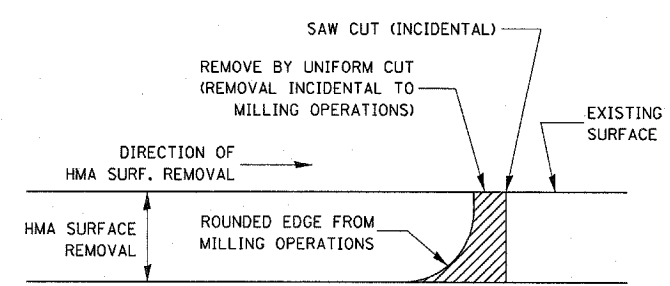
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317	(24,25)RS-2	LIVINGSTON	18	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



\*\* SEE STANDARD 406201

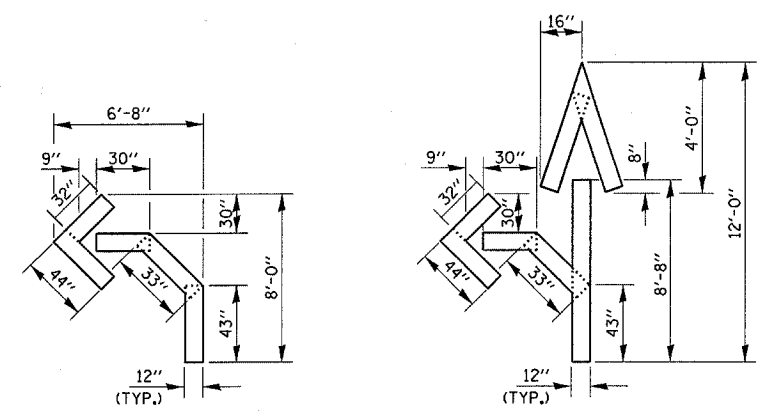


SECTION A-A  
MAILBOX TURNOUT DETAILS



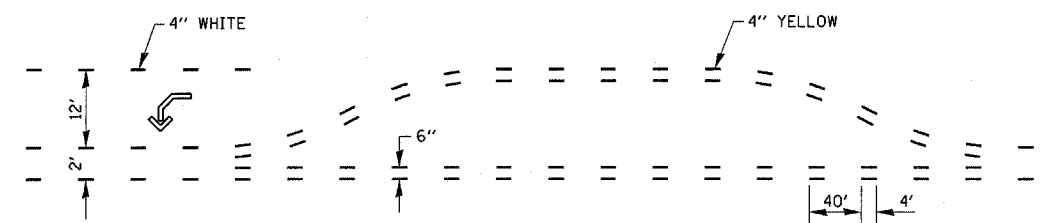
NOTE:  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

**HMA DETAIL AT BUTT JOINTS**

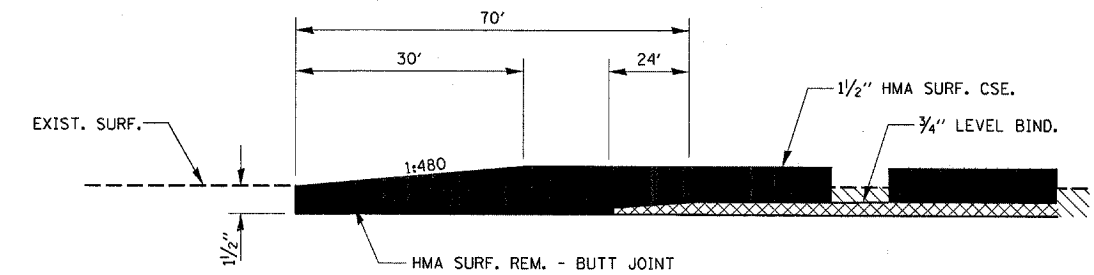


QUANTITY  
12" LINE = 16 LIN. FT.  
OR 4" LINE = 48 LIN. FT.

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



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



BEGINNING PROJECT STA. 502+00 TO STA. 502+60  
END OF PROJECT STA. 961+26.6 TO 961+86.6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS**

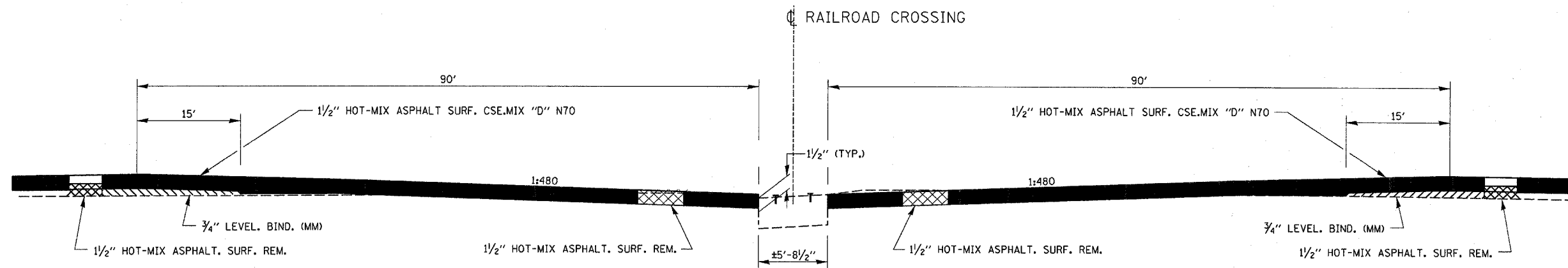
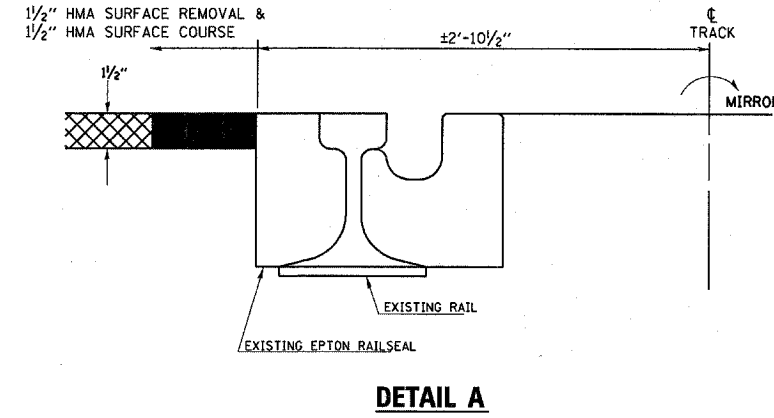
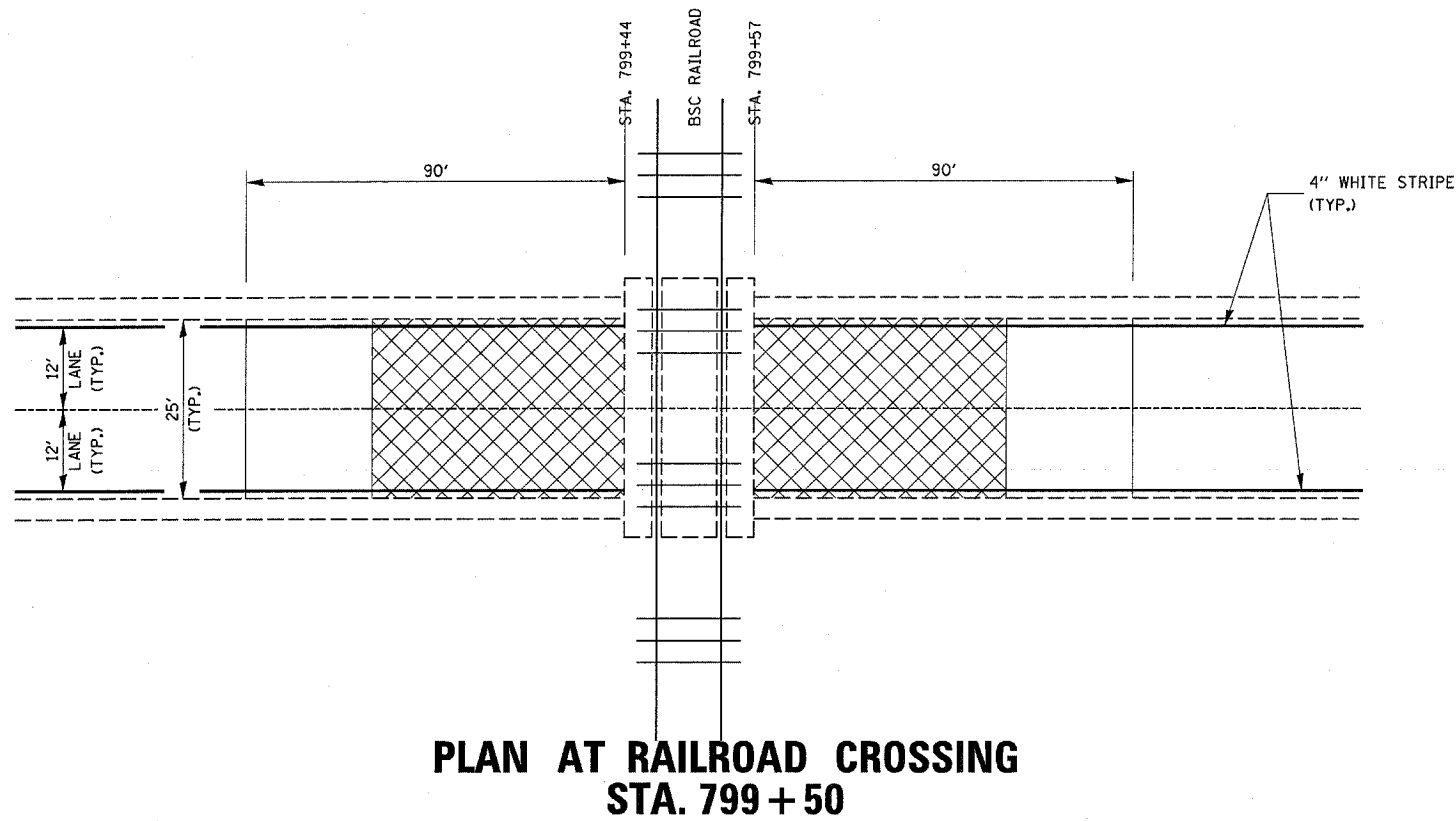
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

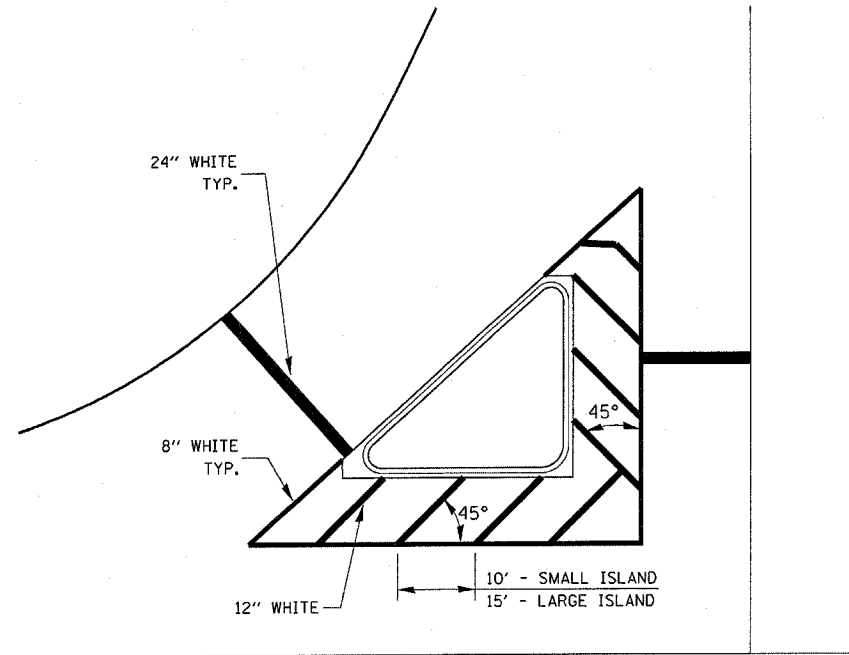
**DETAILS**

SCALE: VERT. HORIZ.  
DATE

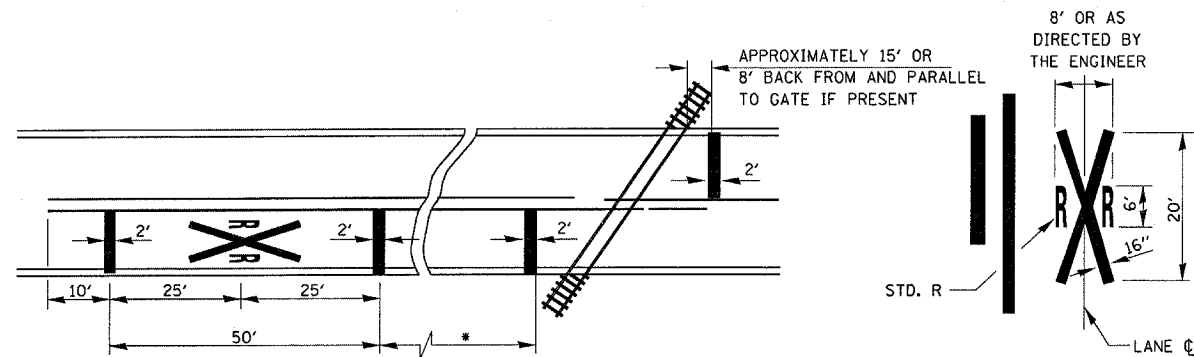
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(24,25)RS-2	LIVINGSTON	18	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT 18		



**TYPICAL ISLAND**



\* MINIMUM DISTANCE  
400' FOR 55 MPH  
250' FOR 45 MPH  
100' FOR 35 MPH OR LESS

NOTES:  
THE TRANSVERSE 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.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS**

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY