INDEX OF SHEETS

- 1 COVER SHEET
 2 GENERAL MOTES, STANDARDS, MIXTURE CHART AND COMMITMENTS
 3 SUMMARY OF OUANTITIES
 4 TYPICAL SECTIONS
 5 SCHEDULE OF OUANTITIES
 6 PLAN SHEET
 7 DETAIL SHEETS

STATE OF ILLINOIS

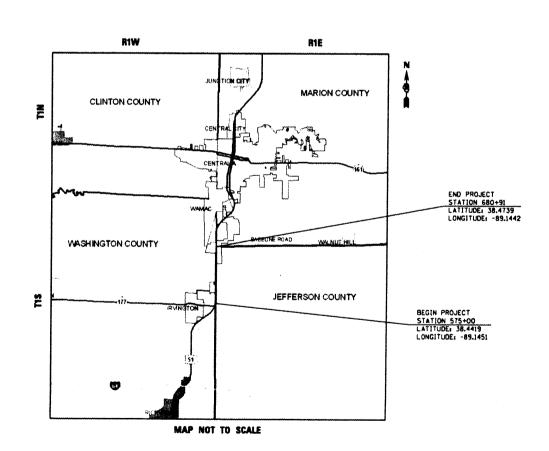
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 322 (US 51) SECTION (31-2, 30-2)RS-2 PROJECT ACF-0322(093)
RESURFACING **JEFFERSON COUNTY**

C-98-121-10



SU = 2.1% MU = 4.9%

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: PATTI LeBEAU (618) 346-3179

DESIGN DESIGNATION

GROSS LENGTH = 10,591 FT. = 2.00 MILE NET LENGTH = 10,591 FT. = 2.00 MILE

SECTION -2 JEFFERSON 7 1
ILLINOIS CONTRACT NO. 76E36 (31-2, 30-2)RS-2

D-98-096-18



DEPARTMENT OF TRANSPORTATION

Christinan leader
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT MANAGER: ARTHUR MUEHLFELD (618) 346-3209

CONTRACT NO. 76E36

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GENERAL NOTES

- 1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - · AMEREN ILLINOIS
 - . CITY OF CENTRALIA
 - . FRONTIER COMMUNICATIONS COMPANY
 - . VILLAGE OF IRVINGTON
 - . TRI-COUNTY ELECTRIC COOPERATIVE, INC.

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY . NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 4. ACCESS TO PRIVATE ENTRANCES, SIDE ROADS AND RAMPS SHALL BE MAINTAINED AT ALL TIMES.
- 5. THE WIDTH OF THE EXISTING PAVEMENT TO BE RESURFACED IS THE NOMINAL WIDTH. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING PAVEMENT WIDTH.
- 6. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE REQUIRED AT INTERSECTING SIDE ROADS AND ENTRANCE RAMPS THROUGHOUT THE PROJECT.
 COST TO BE INCLUDED IN BID PRICES FOR TRAFFIC CONTROL AND PROTECTION. SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- 7. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	POLY-LEVEL BINDER	PATCHING	SHOULDERS > 2.25"	SHOULDERS < 2.25"	
AC/PG	PG 64-22	SBS 76-22	PG 64-22	PG 64-22	PG 64-22	
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE CONTRACT RAP	SEE CONTRACT RAP	
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% • Ndes=50	4.0% @ Ndes=70	SPECIAL PROVISION	SPECIAL PROVISION	
MIX COMPOSITION				••2.0% @ Ndes=30	••2.0% c Ndes=30	
(GRADATION MIXTURE)	IL 12.5/9.5	IL 4.75	IL 19.0	NMAS 3/4"	NMAS 1/2"	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"			

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

- 8. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- 9. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- 10. PRIOR TO MILLING OPERATIONS, THE RE/RT SHALL RECORD AND DOCUMENT ALL EXISTING PAVEMENT MARKINGS AND THEIR LOCATIONS INCLUDING ALL LANE MARKINGS, STOP-BARS AND SYMBOLS. AFTER COMPLETION OF THE HMA OVERLAY OPERATIONS, THE PROPOSED THERMOPLASTIC PAVEMENT MARKING SHALL BE PLACED AT THE EXISTING DOCUMENTED LOCATIONS OR AS DIRECTED ON THE PLAN SHEETS.
- 11. CARE SHALL BE TAKEN AT ALL SIDE ROADS AND ENTRANCES DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED RESURFACING WILL MEET THE EXISTING SIDE ROADS AND ENTRANCES.
- 12. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE CONSIDERED APPROXIMATE.
- 13. AFTER MILLING IS COMPLETE, PATCHING SHALL BE DONE AS NEEDED/DIRECTED BY THE ENGINEER. A QUANTITY OF 170 SQ YDS HAS BEEN ESTIMATED FOR PAVEMENT PATCHES (TYPES II, III, AND IV) FOR THE SOUTHBOUND LANES. THE MILLED SURFACE SHALL BE RESURFACED WITHIN 15 CALENDAR DAYS OF MILLING.
- 14. IT MAY BE NECESSARY TO HAVE ADDITIONAL MILLING AND LEVELING BINDER IN ORDER TO CORRECT THE DETERIORATED SURFACE AREAS IN THE SOUTHBOUND LANES. ADDITIONAL MILLING WILL BE PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 11/2".

 ADDITIONAL BINDER WILL BE PAID FOR AS POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50.
- 15. EXISTING INLETS ARE LOCATED ALONG THE EXISTING CONCRETE BARRIER WALL. RESURFACING SHALL BE TAPERED AT THE INLETS.
- 16. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 17. THE DEPTH OF THE PAVEMENT PATCHING SHALL MATCH THE EXISTING PAVEMENT DEPTH. THE ACTUAL PAVEMENT DEPTHS IN THE FIELD MAY DEVIATE FROM WHAT IS SHOWN ON THE PLANS.
- 18. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO MILLED, PRIMED, LEVEL BINDER AND TO FINAL SURFACE. ONLY REMOVAL FROM FINAL SURFACE PAID AS WORK ZONE PAVMENT MARKING REMOVAL.
- 19. TEMPORARY PAVEMENT MARKING SHALL BE PLACED AT LOCATIONS NOT TO INTERFERE WITH FINAL PAVEMENT MARKING.

STANDARDS 000001-06 406201-01 442201-03 630001-09 631031-09 635006-03 635011-02 638001-02 701101-02 701400-05 701406-06 701426-04 701701-07 701901-01 780001-02 781001-03

COMMITMENTS

NONE

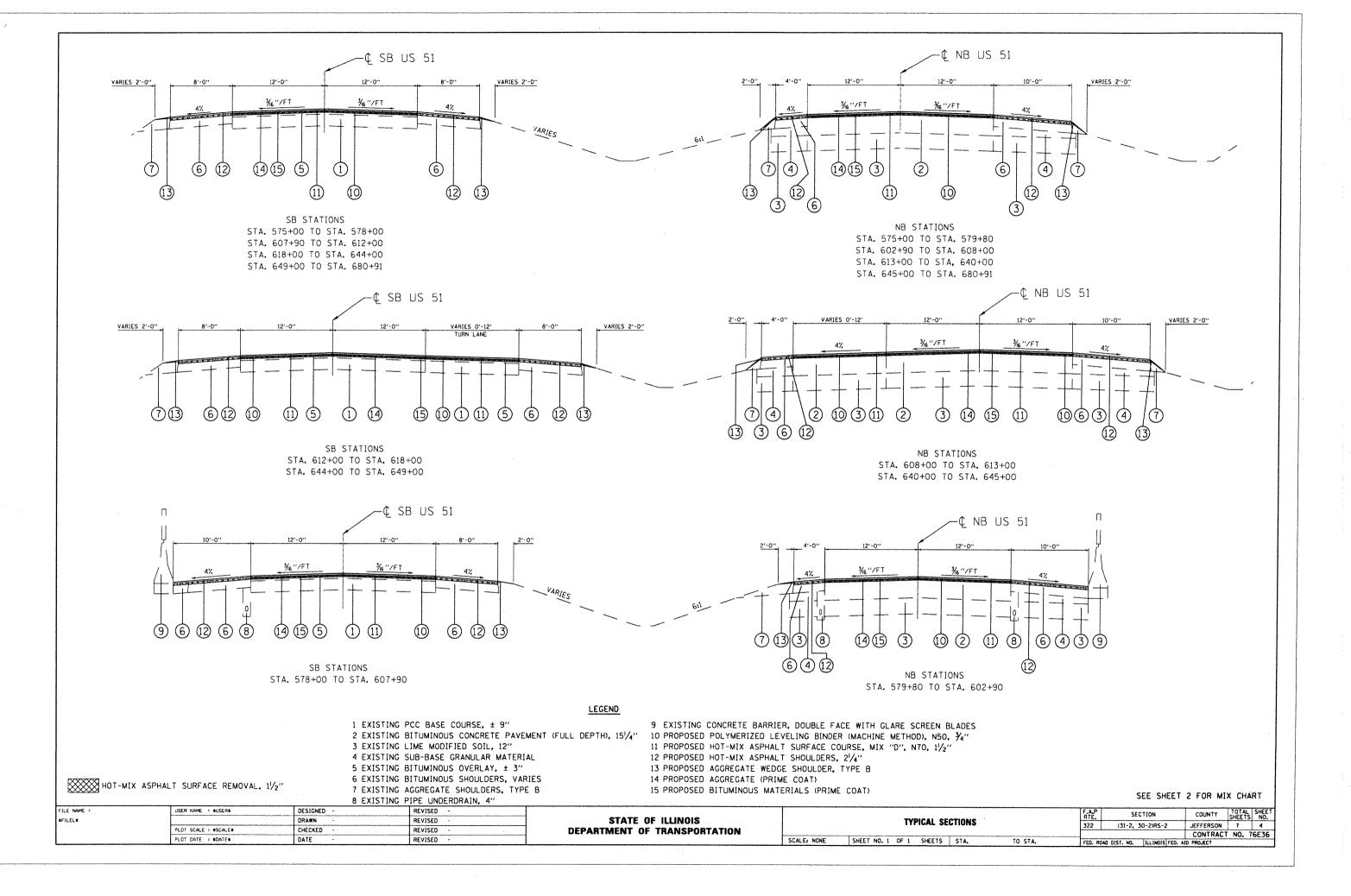
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	OFNEDAL NO	GENERAL NOTES, STANDARDS, MIXTURE CHART AND COMMITMENTS							COUNTY		
Į	GENERAL NU	169, 21AND	AKUS	, MIXIUKE	CHARI	AND COMMITMENTS	322	(31-2, 30-2)RS-2	JEFFERSON		
1					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				CONTRACT	1	
ł	SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. R	OAD DIST. NO. ILLINOIS FED. A	D PROJECT	.,	

					ION TYPE CODE						RUCTION TYPE COL
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE URBAN 0005		CODE NO	ITEM	TINU	TOTAL OUANTITIES	80% FED 20% STATE URBAN 0005	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	18.2	18.2		78200520	BARRIER WALL MARKERS, TYPE B	EACH	68	68	
40600300	AGGREGATE (PRIME COAT)	TON	88	88		* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	266	266	
40600990	TEMPORARY RAMP	SQ YD	112	112		X4060826	REMOVAL	TON	2471	2471	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4874	4874		Z0070100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 SURVEY MONUMENT COVER ASSEMBLY	TON	2431	2431	·
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	94185	94185		1 1	TRAINES	HOUR	500	6	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	50	50					500	500	
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SO YD	40	40							
44200150	PAVEMENT PATCHING, TYPE IV. 12 INCH	SQ YD	80	80							
48102100	AGGREGATE WEDGE SHOULDER. TYPE B	TON	458	458							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	4532	4532							
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	500	500							
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2							
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2							
63200310	GUARDRAIL REMOVAL	FOOT	500	500							
63800024	GLARE SCREEN BLADES 24"	EACH	475	475							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6							
67100100	MOBILIZATION	L SUM	1	1							
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1							
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1							
70102635	TRAFFIC CONTROL AND PROTECTION. STANDARD 701701	L SUM	1	1							
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10680	10680							
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	208	208							With district property
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	47660	47660							
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	48	48	·						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	15485	15485			·				
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	208	208			v.				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	47660	47660							
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	48	48			*SPECIALTY ITEM				
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	266	266			·				
78200410	GUARDRAIL MARKERS. TYPE A	EACH	8	8			● & & 4 Z				

FILE NAME :	USER NAME = #USER#	DESIGNED -	REVISED -			F	AP SECTION	COUNTY TOTAL SHEET
FILEL		DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	LE LE	RTE. 3ECTION	
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				RESURFACING S	CHEDULE		
				BITUMINOUS			
			AGGREGATE	MATERIALS	POLY-LEVEL	HMA	HMA SURFACE
STATION		ON	(PRIME COAT)	(PRIME COAT)	BINDER	SURFACE CSE.	REMOVAL, 1 1/2
SOUTHBOUND		DUND	TON	TON	TON	TON	SQ YD
575+00.00	TO	612+00.00	14.80	3.09	414.4	828.8	17111.1
612+00.00	TO	618+00.00	3.00	0.63	84.0	168.0	3066.7
618+00.00	TO	644+00.00	10.40	2.17	291.2	582.4	11555.6
644+00.00	TO	649+00.00	2.50	0.53	70.0	140.0	2555.6
649+00.00	TO	680+91.00	12.77	2,67	357.4	714.8	14182.2
NOR	THBC	DUND					
575+00.00	TO	608+00.00	13.20	2.76	369.6	739.2	13933.3
608+00.00	TO	613+00.00	2.50	0.53	70.0	140.0	2555.6
613+00.00	TO	640+00.00	10.80	2.26	302.4	604.8	11400.0
640+00.00	TO	645+00.00	2.50	0.53	70.0	140.0	2555.6
645+00.00	TO	680+91.00	14.37	3.00	402.2	804.4	15162.0
	S	IDE ROADS	0.30	0.06		11.2	106
		TOTAL	88	18.2	2,431	4874	94,185

		SHOULD	ER SCHEDULE			
			AGGREGATE	HOT-MIX		
			WEDGE	ASPHALT		
\$7	ΓΑΤΙ	NC	SHOULDERS	SHOULDERS, 1"		
SOU	THBC	UND	TON	TON		
575+00.00	TO	577+00.00	4.98	44.8		
577+00.00	TO	607+90.00	38.45	756		
607+90.00	TO	680+91.00	181.71	1655.6		
NOR	ТНВО	UND				
575+00.00	TO	577+80.00	6.97	54.9		
577+80.00	TO	602+90.00	31.24	492		
602+90.00	TO	680+91.00	80+91.00 194.16			
***************************************		TOTAL	458	4,532		

	TEMPOR	RARY RAME	SCHEDULI	-		
	OCATION			TEMPORARY		
	COCATION	WIDTH	LENGTH	RAMP		
sc	DUTHBOUND	FOOT	FOOT	SQ YD		
STA	575+00.00	24	5	14		
STA	612+62.00	24	5	14		
STA	644+27.00	24	5	14		
STA	680+91.00	5	14			
NC	RTHBOUND					
STA	575+00.00	24	5	14		
STA	612+62.00	24	5	14		
STA	644+27.00	24	5	14		
STA	680+91.00	24	5	14		
	TOTAL			112		

	GUARDRAIL SCHEDULE												
	STEEL PLATE	TRAFFIC BARRIER											
	BEAM GUARDRAIL	TERMINAL. TYPE 1	STEEL PLATE	TRAFFIC BARRIER	TERMINAL MARKER	GUARDRAIL MARKER.	BARRIER WALL						
	REMOVAL	(SPECIAL) TANGENT	BEAM GUARDRAIL	TERMINAL, TYPE 6	DIRECT APPLIED	TYPE A	MARKERS, TYPE B						
	FOOT	EACH	FOOT	EACH	EACH	EACH	EACH						
NORTH END OF SB BARRIER	400	1	400	1	1	6	38						
SOUTH END OF NB BARRIER	100	1	100	1	1	2	30						
TOTAL	500	2	500	2	2	8	68						

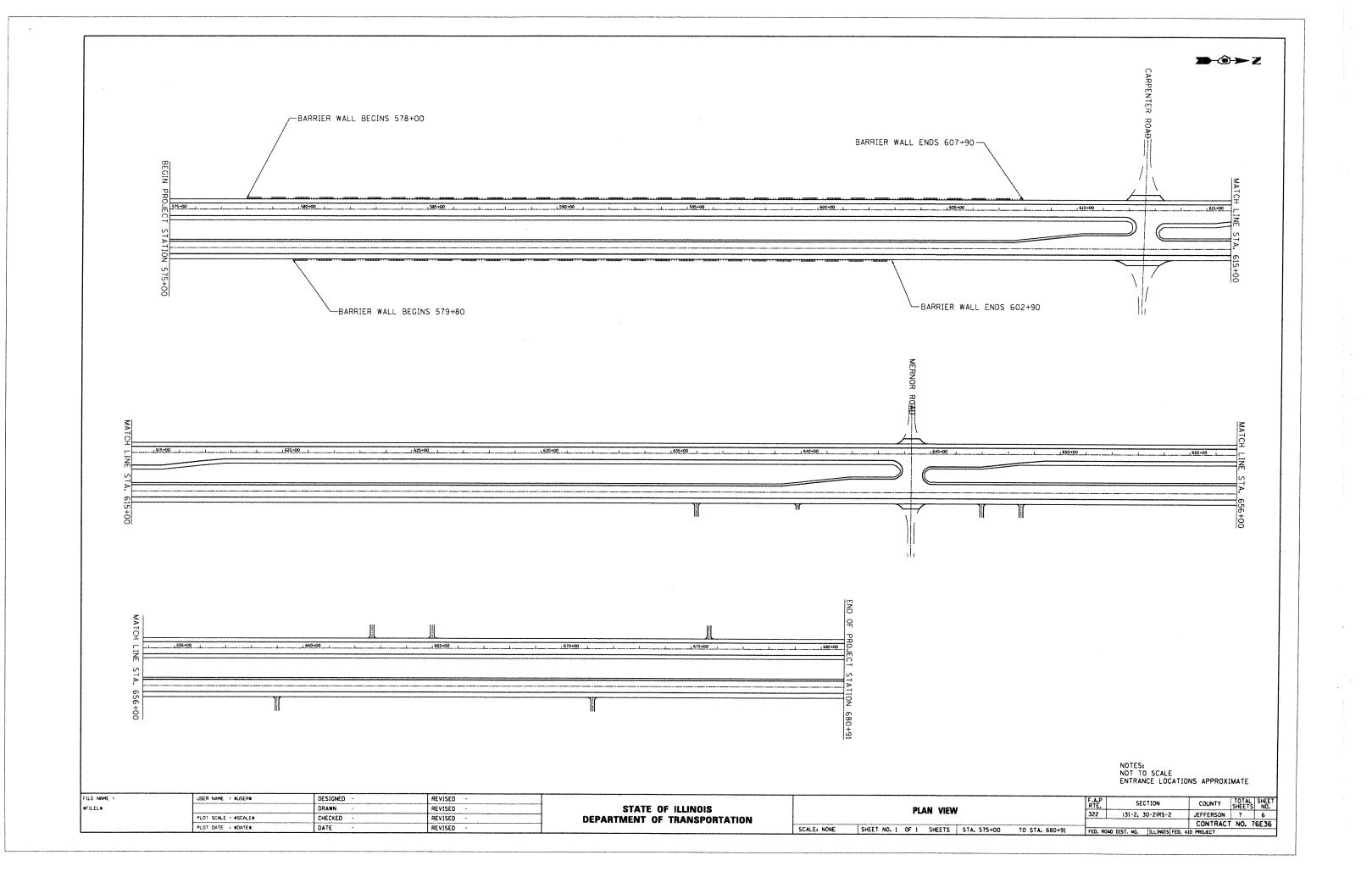
BLADES
GLARE SCREEN
BLADES 24"
EACH
341
54
80
475

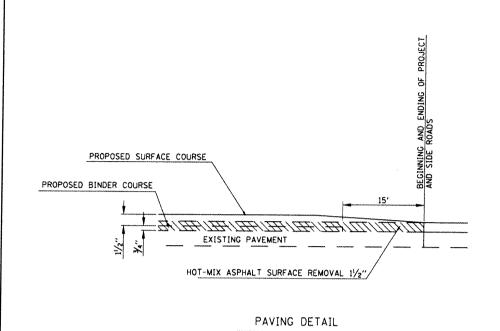
						PAVEMENT MARKING	SCHEDULE							
									TEMPORARY PAVEMENT MARKING				WORK ZONE	
		THERMO	PLASTIC PAVEME	NT MARKING		RAISED REFLECTIVE		SHORT TERM			SKIP-DASH			PAVEMENT
	EDGE LINE	EDGE LINE	CENTERLINE	LETTERS &	STOP BAR	PAVEMENT MARKER	RAISED REFLECTIVE	PAVEMENT	EDGE LINE	EDGE LINE	CENTERLINE	LETTERS &	STOP BAR	MARKING
	4" WHITE	4" YELLOW	4" WHITE	SYMBOLS	12" WHITE	REMOVAL	PAVEMENT MARKER	MARKING	4" WHITE	4" YELLOW	4" WHITE	SYMBOLS	12" WHITE	REMOVAL
SOUTHBOUND	FOOT	FOOT	FOOT	SQ FT	FOOT	EACH	EACH	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT
STA. 575+00.00 TO STA 612+00.00	3700.0	3700.0	92.5			46	46	1865.0	3700.00	3700.00	92.50			2704.7
STA. 612+00.00 TO STA 618+00.00	600.0	600.0	15.0	52.0	12.0	8	8	305.0	600.00	600.00	15.00	52.0	12.0	438.9
STA. 618+00.00 TO STA 644+00.00	2600.0	2600.0	65.0			33	33	1312.0	2600.00	2600.00	65.00			1900.8
STA. 644+00.00 TO STA 649+00.00	500.0	500.0	12.5	52.0	12.0	6	6	254.0	500.00	500.00	12.50	52.0	12.0	365.7
STA. 649+00.00 TO STA 680+91.00	3191.0	3191.0	79.8			40	40	1609.0	3191.00	3191.00	79.78			2332.7
NORTHBOUND					***************************************	<u> </u>								
STA. 575+00.00 TO STA 608+00.00	3300.0	3300.0	82.5			42	42	1662.0	3300.00	3300.00	82.50			2412.2
STA. 608+00.00 TO STA 613+00.00	500.0	500.0	12.5	52.0	12.0	6	6	252.0	500.00	500.00	12.50	52,0	12.0	365.5
STA. 613+00.00 TO STA 640+00.00	2700.0	2700.0	67.5			34	34	1360.0	2700.00	2700.00	67.50			1973.6
STA. 640+00.00 TO STA 645+00.00	500.0	500.0	12.5	52.0	12.0	6	6	252.0	500.00	500.00	12.50	52.0	12.0	365.5
STA. 645+00.00 TO STA 680+91.00	3591.0	3591.0	89.8			45	45	1809.0	3591.00	3591.00	89.78			2624.9
SUB-TOTAL	21182.0	21182.0	529.6	208.0	48.0	266	266	10680	21182.00	21182.00	529.55	208,0	48.0	15484.52
TOTAL	21182	21182	530	208	48	266	266	10680	21182	21182	530	208	48	15485
GRAND TOTAL		42,894		208	48	266	266	10,680		42,894		208	48	15,485

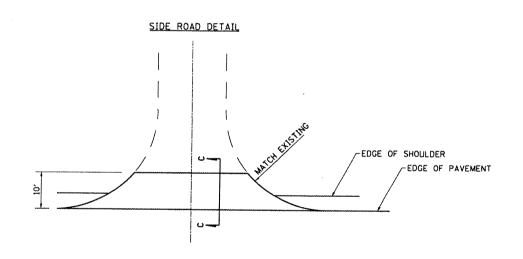
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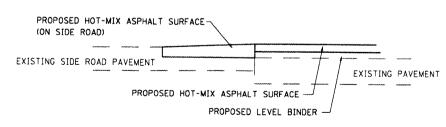
STATE	: OF	: ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

COMEDINES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
2CUEDOTE2	322	(31-2, 30-2)RS-2	JEFFERSON	7	5	
			CONTRACT	NO. 7	6E36	
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		OAD DIST. NO. ILLINOIS FED. AL				









SECTION C-C

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L	PLOT DATE = #DATE#	DATE -	REVISED -		SCALE, NONE SHEET NO. 1 OF 1 SHEETS STA TO STA		CONTRACT NO. 76E36
					SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED.	AID PROJECT