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- 2. COMMITMENTS, GENERAL NOTES, & HMA MIXTURE REQUIREMENTS
- 3. SUMMARY OF QUANTITIES 4. SCHEDULE OF QUANTITIES
- 5. LINE DIAGRAM

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- 6-7. TYPICAL SECTIONS
- 8. LONGITUDINAL JOINT REPAIR DETAIL
- 9-10. CADD STANDARDS

HIGHWAY STANDARDS

000001-07	70170110
001006	70190108
70141109	720011-01
70142108	780001-05
701428-01	78100104

DESIGN DESIGNATION

JULLE.

OR 811

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PROPOSED HIGHWAY PLANS

FAP ROUTE 317 (US 24) SECTION (17,18)PP **PROJECT N/A CONTRACT MAINTENANCE TAZEWELL COUNTY**

C-94-023-19



PROJECT ENGINEER: RICH DOTSON (309-671-3455) PROJECT MANAGER: SQUAD 6 (309-671-3471)

CATALOG NUMBER: 035588-01D CONTRACT NO. 68E81

GROSS LENGTH [US 24] = 16,737.6 FT. = 3.17 MILES NET LENGTH (US 24) = 16,737.6 FT. = 3.17 MILES

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PROJECT DESCRIPTION: This project consists of Longitudinal Joint Repair, Raised Reflective Pavement Markers, Pavement Striping, and other related collateral work necessary to complete the project as shown in the plans.



COMMITMENTS 107.00

There are no commitments with this project.

GENERAL NOTES

PROPERTY OWNER ACCESS REQUIREMENTS 107.09

> Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

107.09A CONSECUTIVE SIDE STREET (ROAD) CLOSURE - PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).

2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

204.00 ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- BDE Form 2289 (Environmental Survey Request)
- BDE Form 2290 (Waste/Use Area Review)
- A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form–D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL 701.01

The Department reserves the right at any time to add additional Traffic Control Systems or devices within the active contract limits, by means of an additional contract. All terms of Article 105.08 of the Standard Specifications shall be followed by each Contractor.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Mlxture Use(s):	Centerline Joint Repair 3" (one lift)
AC/PG:	PG 64-22
Design Air Voids:	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5
Friction Aggregate:	Mix D
Quality Management Program:	QCQA

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer

2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.

3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving cotractor.

USER NAME = \$USER\$	DESIGNED -	REVISED -									SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS	COMMITME	COMMITMENTS, GENERAL NOTES, & HMA MIXTURE REQUIREMENTS						(17,18)PP	TAZEWELL	10	2
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ARTMENT OF TRANSPORTATION								CONTRACT	i NO. 68	E81
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

				CONSTRUC	TION CODE
			URBAN	0005	
			01122/111	ROADWAY	
CODE			τοται	100% STATE	
NO.	ITEM	UNIT	QUANTITY	CONT. MAINT.	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2928	2928	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	976	976	
78000000		FOOT	10000	10000	
18003006	MODIFIED UREIHANE PAVEMENT MARKING - LINE 6"	FUUT	10800	10800	
78100100	RAISED REFECTIVE PAVEMENT MARKER	БАСН	418	418	
			-10		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	418	418	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
Z0033600	LONGITUDINAL JOINT REPAIR	FOOT	37939	37939	

USER NAME = \$USER\$	DESIGNED -	REVISED -			F.A.P.	SECTION	COUNTY	TOTAL SI	IEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		317	(17,18)PP	TAZEWELL		3
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SOMMANT OF COANTIES			CONTRACT	T NO. 68	E81
PLOT DATE = \$DATE\$	DATE -	REVISED -				(ILLINOIS FED. AID	PROJECT		

A	PPROX. LOCATION RANGE		LONGITUDINAL JOINT REPAIR	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT	MODIFIED URETH	NE PAVEN LINE 6"
				TYPE IV TAPE		WHITE	YELLC
FROM	то	AREA	FOOT	FOOT	SQ FT	FOO	Т
US 24 WE	ESTBOUND				-		
160' EAST OF CUMMINGS	SPRING CREEK	CENTERLINE	5,542	504	168	1,390	
SPRING CREEK	GRANGE	CENTERLINE	5,302	484	161	1,330	
GRANGE	530' WEST OF GROSENBACH	CENTERLINE	5,909	540	180	1,480	
US 24 WB	CUMMINGS	RT TURN LN	150			100	
24 WB	BUSINESS 24	LT TURN LN	650			400	
BUSINESS 24	US 24WB	ON RAMP	600			200	
US 24 WB	HOLLAND GROVE	RT TURN LN	650			230	
US 24 WB	GROSENBACH	RT TURN LN	550			260	
US 24 WB	AT GROSENBACH	MEDIAN JOINT	150				40
US 24 WB	GROSENBACH	OUTSIDE EDGE OF RT. TL. THROUGH INT.	200				
US 24 EA	STBOUND				·	•	
530' WEST OF GROSSENBACH	BUSINESS 24	CENTERLINE	7,086	648	216	1,780	
US 24 EB	AT GROSENBACH	LT TURN LN & MEDIAN JOINT	500			160	40
US 24 EB	GRANGE	LT TURN LN	450			200	
US 24 EB	GRANGE	RT TURN LN	650			420	
US 24 EB	BUSINESS 24	ON RAMP	450			120	
BUSINESS 24 ON RAMP	160' EAST OF CUMMINGS	CENTERLINE	8,250	752	251	2,070	
US 24 EB	CUMMINGS	RT TURN LN	850			580	
WE	STBOUND US 24 SUB-TOTA	٩ <i>L</i>	19,703	1,528	509	5,43	0
EA	STBOUND US 24 SUB-TOTA	AL.	18,236	1,400	467	5,37	0
JOB	TOTAL (TAZEWELL COUNT	ΓY)	37,939	2,928	976	10,80)0
L	•		1	1	1	· · · · ·	

	JOBSITE											
LOCATION	MOBILIZATION AND PROTEC STANDARD 7		TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	CHANGEABLE MESSAGE SIGN*							
	LSUM	L SUM	EACH	L SUM	CAL DAY							
US 24												
TAZEWELL	1.0	1.0	2.0	1.0	28.0							
TOTALS	1.0	1.0	2.0	1.0	28.0							
There will be 2 total measures beards @ 14 days apple												

		RAISED REFLECTIVE PAVEMENT
LOCATION	RFM REMOVAL	MARKER
	EACH	EACH
US 24		
LONGITUDINAL JOINT REPAIR	418	418
JOB TOTAL	418	418

*There will be 2 total message boards @ 14 days each

USER NAME = \$USER\$	DESIGNED -	REVISED -									COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					317	(17,18)PP	TAZEWELL	10	4
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -		DEPARTMENT OF TRANSPORTATION						CONTRAC	T NO. 68	3E81	
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED	AID PROJECT		







USER NAME = \$USER\$ DESIGNED -REVISED STATE OF ILLINOIS US 24 TYPICAL REVISED DRAWN **DEPARTMENT OF TRANSPORTATION** PLOT SCALE = \$SCALE\$ CHECKED REVISED PLOT DATE = \$DATE\$ DATE REVISED SCALE: SHEET OF SHEET

SECTIONS		SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
		(17,1	8)PP		TAZEWELL	10	6
					CONTRACT	NO. 68	3E81
TS STA. TO STA.	ILLINOIS FED. A			ID PROJECT			



	NEATION O		F.A.P. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
SECTIONS		317	(17,	8)PP		TAZEWELL	10	7	
		_				CONTRACT	NO. 68	3E81	
1	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		
i	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		





USER NAME = \$USER\$	DESIGNED -	REVISED -				F.A.P.	SECTION	COUNTY	TOTAL SHEET	ΞT.
	DRAWN -	REVISED -	STATE OF ILLINOIS LONGITUDINAL JOINT REPAIR DETAIL		317	(17.18)PP	TAZEWELL	10 8	-	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	PEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 68E81	
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		-
										_

<u>NOTE:</u> Joint Repair Location can be Along center line, edge of Pavement, or turn lane



DEPARTMENT OF TRANSPORTATION

NOTES

ESIGNER

H

02-07-97 ADD BI DIRECTIONAL DIMENSION

08-02 ADD CROSSWALK DMNS. WITH T.S.

10-97 CORRECT BI DIRECTIONAL DIMENSION

J.A.

J.A.

M.A.

2/29/16 ADDED GROOVING AREAS

R.D.

TYPICAL PAVEMEN NOT TO SCALE

MARKINGS			F.A.F RTE		SECTION				COUNTY	TOTAL SHEETS	SHEET NO.	
			317		(17,18)PP				TAZEWELL	10	9	
	SHT. 1 OF 2							Т	CONTRACT NO. 68E81			
CA	DD STD.	780001-D4	FED.	ROAD	DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		



IGE	CONTINUOUS	(Includes Width Transitions for Median and Left Turn Lane Introductions)					
km∕h)	50' (15m)	15' (5m)					
km∕h)	75' (23m)	20' (6m)					
ו)	150' (46m)	30' (9m)					

All dimensions are in inches (millimeters) unless otherwise noted.

	F A P RTE	SECTI	ION	COUNTY	TOTAL SHEETS	SHEET NO.
MARKINGS	317	(17,18)PP		TAZEWELL	10	10
SHT.	2 OF 2		CONTRACT NO. 68E81			
CADD STD. 78	0001-D4 FED. RC	DAD DIST. NO. I	ILLINOIS FED. AI	D PROJECT		