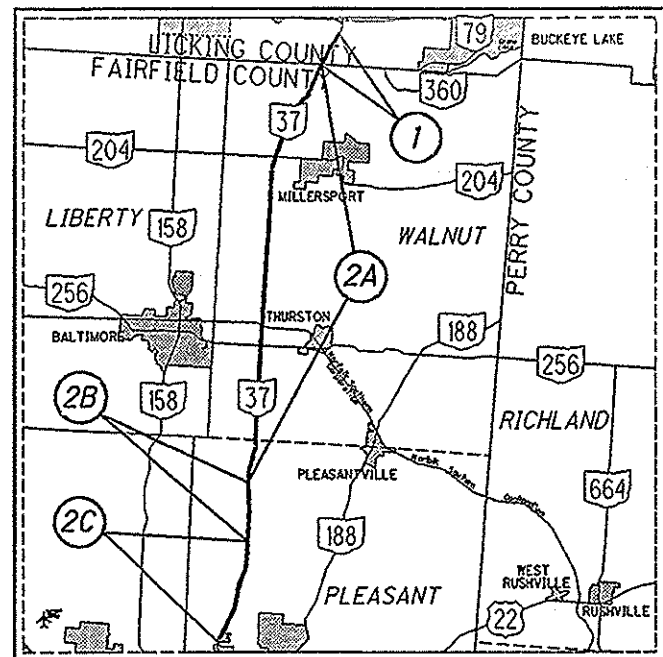


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
LIC / FAI - 37 - 25.08 / 00.00
UNION, WALNUT, AND PLEASANT TOWNSHIPS
FAIRFIELD AND LICKING COUNTIES

PROJECT DESCRIPTION
MICROSURFACING ON S.R. 37 IN LICKING & FAIRFIELD COUNTIES

PROJECT EARTH DISTURBED AREA = N/A (MAINT.)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINT.)
NOTICE OF INTENT EARTH DISTURBED AREA = N/A (MAINT.)



LOCATION MAP

LATITUDE: 39° 50' 19" LONGITUDE: 82° 34' 07"

PORTION TO BE IMPROVED

DESIGN DESIGNATION	1	2A	2B	2C
Functional Classification	RPA	RMA	RMA	RMA
Opening Year ADT (2017)	11,000	6,000	6,400	4,500
Design Year ADT (2029)	17,000	9,400	9,900	5,200
Design Hourly Volume (2029)	1,700	940	990	520
Directional Distribution	70%	51%	56%	62%
Trucks (24 Hour B&C)	3%	5%	5%	8%
Design Speed	55mph	55mph	55mph	55mph
Legal Speed	55mph	55mph	55mph	55mph

RMC = RURAL MAJOR COLLECTOR RPA = RURAL PRINCIPAL ARTERIAL

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

Call Before You Dig
1-800-362-2764

(Non-members must be called directly)

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
1-800-925-0988

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 5 PLANNING & ENGINEERING

INDEX OF SHEETS

TITLE SHEET..... 1
GENERAL NOTES..... 2
MAINTENANCE OF TRAFFIC NOTES..... 3
PAVEMENT DATA..... 4
SHOULDER DATA..... 5
BRIDGE TREATMENT DATA..... 6
PAVEMENT MARKING DATA..... 7-11
RAISED PAVEMENT MARKER DATA..... 12
LOCATION SUB-SUMMARIES..... 13-14
GENERAL SUMMARY..... 15

LOCATION	PLAN SPLIT	COUNTY	ROUTE	BEGIN SLM	END SLM	LENGTH MILES	CITY/VILLAGE
1	1	LIC	37	25.08	25.84	0.76	
2A	1	FAI	37	0.00	9.73	9.73	
2B	2	FAI	37	9.37	10.40	1.03	
2C	3	FAI	37	10.40	12.92	2.52	

2016 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED:
DATE 9/2/16 DISTRICT DEPUTY DIRECTOR

APPROVED:
DATE 10-4-16 DIRECTOR, DEPARTMENT OF TRANSPORTATION

ENGINEER'S SEAL	STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
<p>SIGNED: DATE: <u>9/2/16</u></p>	BP-3.1 7/18/14	800 10/21/16
	MT-97.12 7/18/14	832 1/17/14
	MT-105.10 7/19/13	881 12/31/12
	TC-65.10 1/17/14	
	TC-65.11 7/15/16	
	TC-71.10 7/15/16	
		SPECIAL PROVISIONS

FEDERAL PROJECT NO. **E160(741)**
 PID NO. **95990**
 CONSTRUCTION PROJECT NO. **KANAWHA RIVER RAILROAD**
 RAILROAD INVOLVEMENT
LIC / FAI - 37 - 25.08 / 00.00
 1/15

FAI - /FAI-SR 37-25.08/00.00
 160601 PID - 95990
 Dist 5 12/1/2016
 Contract Proposal Available @ www.ohdot.state.oh.us/home
 Conformed
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UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

NOTIFICATION OF ROAD CLOSURE OR RESTRICTION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL AT D05.PIO@DOT.STATE.OH.US

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.STATE.OH.US

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.STATE.OH.US

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

PAVEMENT MARKING

STOP LINES, CROSSWALK LINES, CHANNELIZING LINES, ETC., SHOWN IN THE PLANS ARE TAKEN FROM EXISTING MARKINGS. THE CONTRACTOR SHALL DOCUMENT ALL OF THE EXISTING PAVEMENT MARKING LOCATIONS THAT WILL BE REMOVED/OBLITERATED DURING THIS PROJECT. THE CONTRACTOR SHALL PLACE NEW PAVEMENT MARKINGS AT THE LOCATION OF THE EXISTING MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DOCUMENTATION OF PAVEMENT MARKING SHALL BE SUPPLIED TO THE ENGINEER BEFORE COMMENCEMENT OF ANY OPERATION WHICH WILL REMOVE/OBLITERATE MARKINGS. THE METHOD OF DOCUMENTATION SHALL BE APPROVED BY THE ENGINEER IN ORDER TO PROVIDE AN ACCEPTABLE TOLERANCE BETWEEN THE EXISTING AND PROPOSED PAVMENT MARKINGS.

ITEM 621, RAISED PAVEMENT MARKER REMOVED

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE PLANS TO REMOVE RAISED PAVEMENT MARKERS FOR DISPOSAL BY THE CONTRACTOR. RPM REMOVAL SHALL NOT OCCUR SOONER THAN 10 DAYS PRIOR TO RESURFACING OF THE ROADWAY. ALL RPM'S REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM 881, MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN

ALL REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 881 SHALL APPLY, EXCEPT AS STATED BELOW:

SUPPLY A BLEND OF A MINIMUM OF 50% IGNEOUS DIABASE TRAP ROCK AND A MAXIMUM OF 50% LIMESTONE AGGREGATE FROM APPROVED SOURCES FOR USE AS AGGREGATE IN ITEM 421. DO NOT USE OTHER AGGREGATES.

THE CONTRACTOR SHALL USE TYPE II OR TYPE III MATERIAL FOR CRACK SEALING JOINTS AND CRACKS LONGER THAN 2 FEET IN ACCORDANCE WITH 881.04 SURFACE PREPARATION.

TRUCK MOUNTED MACHINES ARE NOT PERMITTED ON THIS PROJECT.

SINGLE COURSE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF 421.10 WITH 21-24 POUNDS PER SQUARE YARD BEING USED FOR GRADATION A MIXTURES.

REMOVAL OF PAVEMENT MARKINGS IN 881.04 SURFACE PREPARATION HAVE BEEN ITEMIZED SEPARATELY IN THE PLANS.

THE CONTRACTOR SHALL PROTECT ALL SIDE ROAD PAVEMENT MARKINGS DURING THE MATERIAL APPLICATION. ANY DAMAGE TO MARKINGS WILL BE REPLACED AT THE COST OF THE CONTRACTOR.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 25 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1, ADVISING THE FAA THAT AERONAUTICAL STUDY NO. 2016-AGL-12620-OE IS BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION IS REQUESTED.

NOTIFY THE ODOT OFFICE OF AVIATION WHEN RESUBMITTING AN FAA FORM 7460-1. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKE UP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235
614-387-2346

CALCULATED
PTB
CHECKED
JSL

GENERAL NOTES

LIC / FAI - 37 - 25.08 / 00.00

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ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 1 LANE IN EACH DIRECTION OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON SR 37 BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWING MT-97.12.

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED MICROSURFACING.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT, IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614, WORK ZONE MARKING SIGN

IN ACCORDANCE WITH CMS SECTION 614.04, THE QUANTITIES OF WORK ZONE MARKING SIGN HAVE BEEN CARRIED TO THE SUB-SUMMARIES TO BE USED AS DIRECTED BY THE ENGINEER.

W8-H12a (NO EDGE LINES):
LOCATION 1: 5 EACH
LOCATION 2A: 24 EACH
LOCATION 2B: 4 EACH
LOCATION 2C: 10 EACH

R4-1 (DO NOT PASS):
LOCATION 1: 2 EACH
LOCATION 2A: 30 EACH
LOCATION 2B: 2 EACH
LOCATION 2C: 12 EACH

R4-2 (PASS WITH CARE)
LOCATION 1: 5 EACH
LOCATION 2A: 28 EACH
LOCATION 2B: 4 EACH
LOCATION 2C: 2 EACH

ITEM 614, WORK ZONE MARKING SIGN

LOCATION 1: 12 EACH
LOCATION 2A: 82 EACH
LOCATION 2B: 10 EACH
LOCATION 2C: 24 EACH

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS UPON APPROVAL BY THE ENGINEER:

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
- FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOS SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. **THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.**

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE SUB-SUMMARIES.

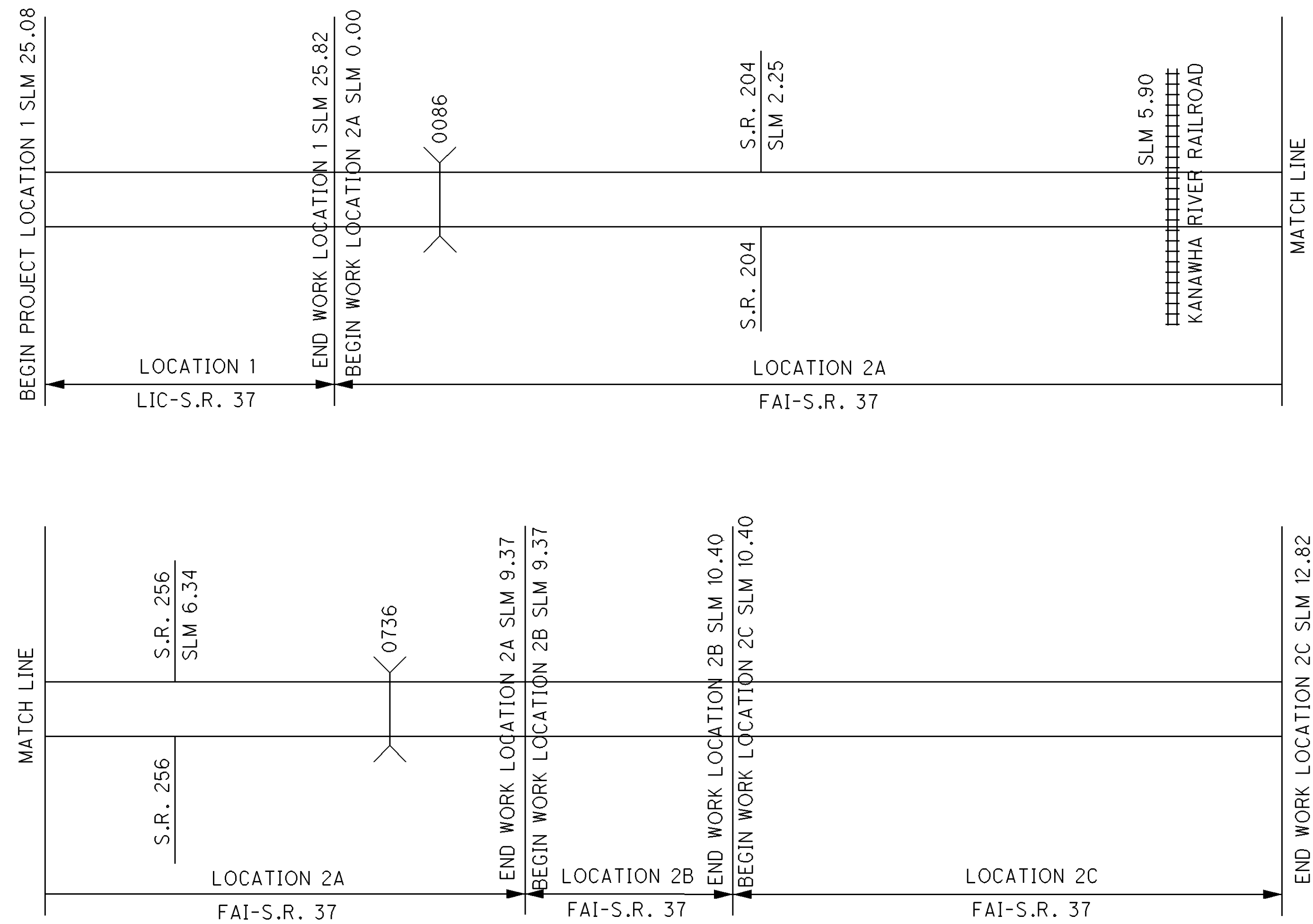
ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
LOCATION 2A: 24 HOUR LOCATION 2C: 24 HOUR

CALCULATED
PTB
CHECKED
JSL

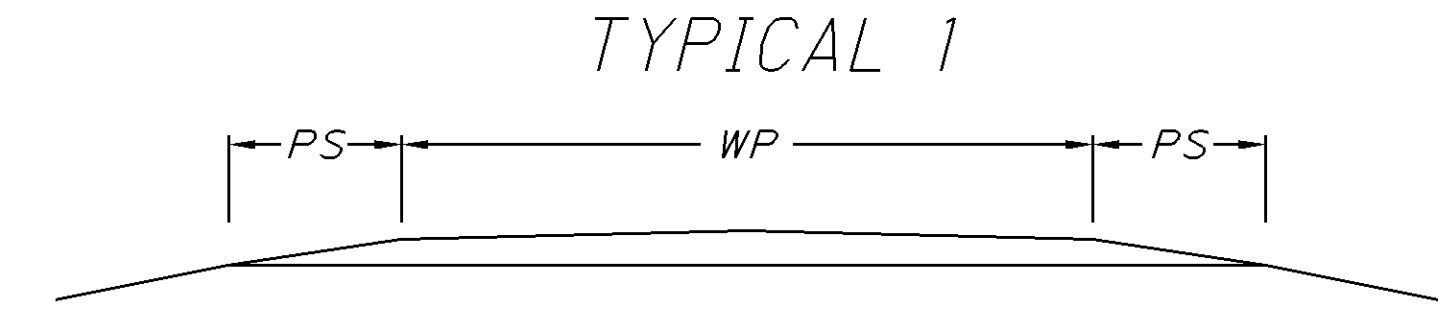
MAINTENANCE OF TRAFFIC NOTES

LIC / FAI - 37 - 25.08 / 00.00

3
15



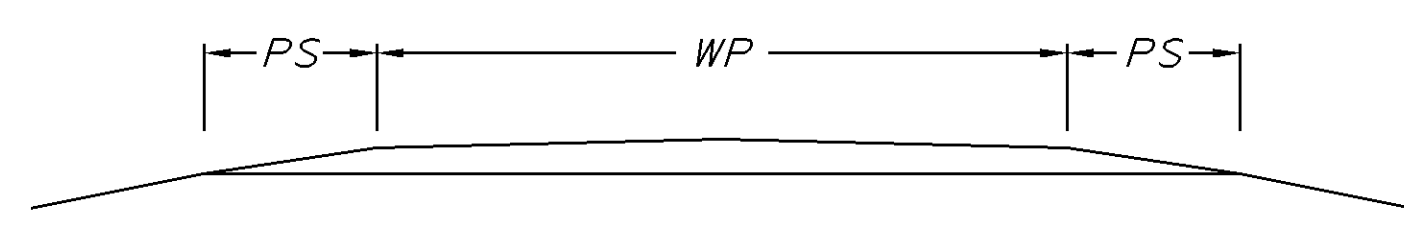
WP = WIDTH OF PAVEMENT
PS = PAVED SHOULDER



PAVEMENT DATA										
LOCATION	COUNTY	ROUTE	BEGIN LOG POINT SLM	END LOG POINT SLM	LENGTH		PAVEMENT WIDTH (FEET)	TYPICAL	PAVEMENT AREA	881
					MILES	LIN. FT.				SQ. YD.
1	LIC	S.R. 37	25.08	25.37	0.29	1,531.20	24.00	1	4,083.2	4,083.2
1	LIC	S.R. 37	25.37	25.50	0.13	686.40	30.0 AVG	1	2,288.0	2,288.0
1	LIC	S.R. 37	25.50	25.84	0.34	1,795.20	36.00	1	7,180.8	7,180.8
TOTALS (CARRIED TO LOCATION 1 SUB SUMMARY)										13,552.0
2A	FAI	S.R. 37	0.00	0.01	0.01	52.80	36.0	1	211.2	211.2
2A	FAI	S.R. 37	0.01	0.14	0.13	686.40	30.0 AVG	1	2,288.0	2,288.0
2A	FAI	S.R. 37	0.14	2.10	1.96	10,348.80	24.0	1	27,596.8	27,596.8
2A	FAI	S.R. 37	2.10	2.16	0.06	316.80	30.0 AVG	1	1,056.0	1,056.0
2A	FAI	S.R. 37	2.16	2.32	0.16	844.80	36.0	1	3,379.2	3,379.2
2A	FAI	S.R. 37	2.32	2.38	0.06	316.80	30.0 AVG	1	1,056.0	1,056.0
2A	FAI	S.R. 37	2.38	8.86	6.48	34,214.40	24.0	1	91,238.4	91,238.4
2A	FAI	S.R. 37	8.86	9.73	0.87	4,593.60	24.0	1	12,249.6	12,249.6
BRIDGE DEDUCTIONS										-693.4
TOTALS (CARRIED TO LOCATION 2A SUB SUMMARY)										138,381.8
2B	FAI	S.R. 37	9.73	10.40	0.67	3,537.60	24.0 (AVG.)	1	9,433.6	9,433.6
TOTALS (CARRIED TO LOCATION 2B SUB SUMMARY)										9,433.6
2C	FAI	S.R. 37	10.40	11.26	0.86	4,540.80	24.0	1	12,108.8	12,108.8
2C	FAI	S.R. 37	11.26	11.38	0.12	633.60	30.0 AVG	1	2,112.0	2,112.0
2C	FAI	S.R. 37	11.38	11.54	0.16	844.80	36.0	1	3,379.2	3,379.2
2C	FAI	S.R. 37	11.54	11.66	0.12	633.60	30.0 AVG	1	2,112.0	2,112.0
2C	FAI	S.R. 37	11.66	12.51	0.85	4,488.00	24.0	1	11,968.0	11,968.0
2C	FAI	S.R. 37	12.51	12.56	0.05	264.00	30.0 AVG	1	880.0	880.0
2C	FAI	S.R. 37	12.56	12.92	0.36	1,900.80	35.0	1	7,392.0	7,392.0
TOTALS (CARRIED TO LOCATION 2C SUB SUMMARY)										39,952.0

TYPICAL 1

WP = WIDTH OF PAVEMENT
PS = PAVED SHOULDER



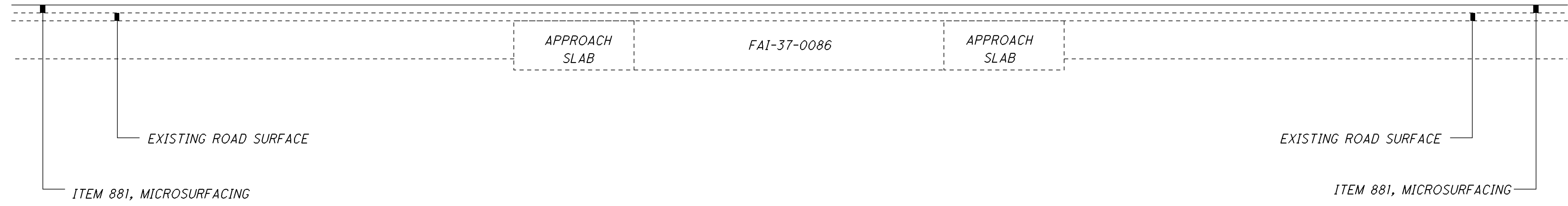
SHOULDER DATA											
LOCATION	COUNTY	ROUTE	BEGIN LOG POINT SLM	END LOG POINT SLM	LENGTH		TYPICAL	PROPOSED WIDTH (FT.)		SHOULDER AREA	881
					MILES	LIN. FT.		A	B		SQ. YD.
1	LIC	S.R. 37	25.08	25.37	0.29	1,531.20	1	2	2	680.5	680.5
1	LIC	S.R. 37	25.37	25.39	0.02	105.60	1	3.0 AVG	3.0 AVG	70.4	70.4
1	LIC	S.R. 37	25.39	25.84	0.45	2,376.00	1	4	4	2,112.0	2,112.0
TOTALS (CARRIED TO LOCATION 1 SUB SUMMARY)											2,862.9
2A	FAI	S.R. 37	0.00	0.12	0.12	633.60	1	4	4	563.2	563.2
2A	FAI	S.R. 37	0.12	0.14	0.02	105.60	1	3.0 AVG	3.0 AVG	70.4	70.4
2A	FAI	S.R. 37	0.14	8.86	8.72	46,041.60	1	2	2	20,462.9	20,462.9
2A	FAI	S.R. 37	8.86	9.73	0.87	4,593.60	1	4	4	4,083.2	4,083.2
BRIDGE DEDUCTIONS											-115.5
TOTALS (CARRIED TO LOCATION 2A SUMMARY)											25,064.2
2B	FAI	S.R. 37	9.73	10.40	0.67	3,537.60	1	4	4	3,144.5	3,144.5
TOTALS (CARRIED TO LOCATION 2B SUB SUMMARY)											3,144.5
2C	FAI	S.R. 37	10.40	11.25	0.85	4,488.00	1	4	4	3,989.3	3,989.3
2C	FAI	S.R. 37	11.25	11.70	0.45	2,376.00	1	4	6	2,640.0	2,640.0
2C	FAI	S.R. 37	11.70	12.56	0.86	4,540.80	1	2	2	2,018.1	2,018.1
2C	FAI	S.R. 37	12.56	12.92	0.36	1,900.80	1	4	2	1,267.2	1,267.2
TOTALS (CARRIED TO LOCATION 2C SUB SUMMARY)											9,914.6

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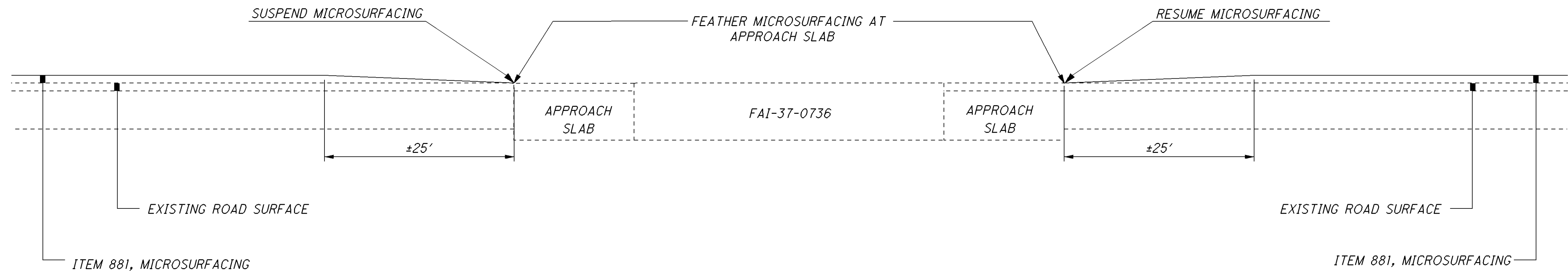
SHOULDER DATA

LIC / FAI - 37 - 25.08 / 00.00

DETAIL 1



DETAIL 2



BRIDGE TREATMENT DATA

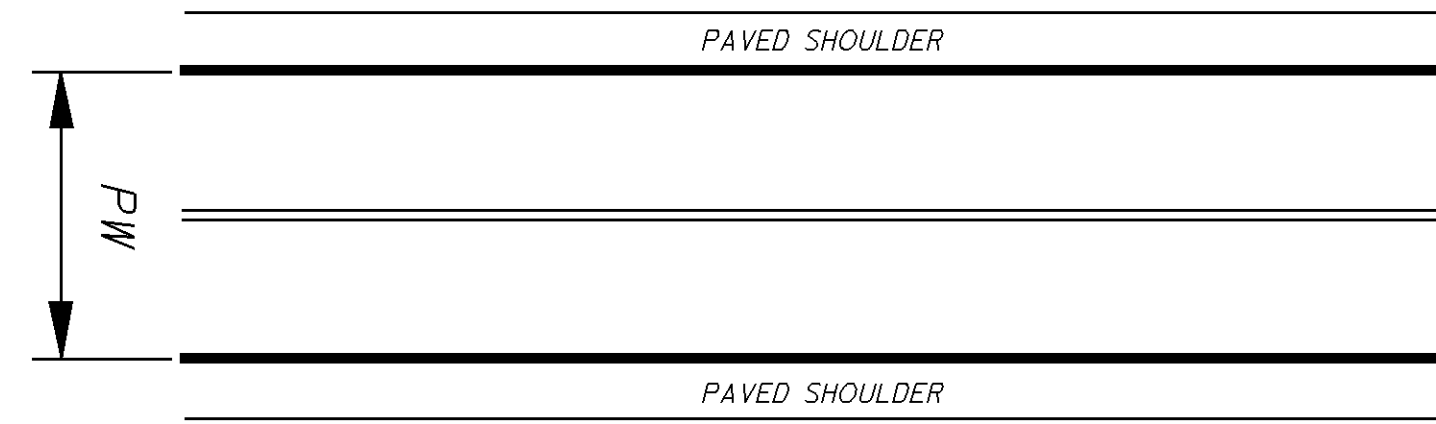
LOCATION	COUNTY, ROUTE, BRIDGE NO.	LENGTH (BRIDGE LIMITS)		AREA	APPROACH SLAB LENGTH	APPROACH SLAB WIDTH	APPROACH SLAB AREA (INCLUDES BOTH APPROACH SLABS)	DETAIL	MAINLINE DEDUCTIONS (CARRIED TO SHEET 5)	SHOULDER DEDUCTIONS (CARRIED TO SHEET 6)	881
		LIN. FT.	LIN. FT.								SQ. YD.
2A	FAI-37-0086	61	32	216.9	15	32.0	106.7	1	242.7	40.4	323.6
2A	FAI-37-0736	119	40	528.9	25	40.0	222.3	2	450.7	75.1	
BRIDGE DEDUCTIONS									693.4	115.5	
TOTALS (CARRIED TO LOCATION 2A SUB SUMMARY)											323.6

CALCULATED
PTB
CHECKED
JSL

BRIDGE TREATMENT DATA

LIC / FAI - 37 - 25.08 / 00.00

EDGE LINE STRIPING DETAIL



EDGE LINE PLACEMENT SHALL BE MEASURED FROM INSIDE OF LINES, PLACED ACCORDING TO PAVEMENT WIDTH (PW) SHOWN ON THE ASPHALT CONCRETE DATA TABLE.

EDGE LINE, 6"											
LOCATION	COUNTY	ROUTE	S.L.M.		TOTAL LENGTH (MILES)	INFORMATION ONLY			642	648	REMARKS
						WHITE EDGE LINE QUANTITIES			EDGE LINE 6"	REMOVAL OF PAVEMENT MARKING	
			FROM	TO		TOTAL MILES	HIGHWAY MILES	RAMP MILES	MILES	MILES	
1	LIC	S.R. 37	25.08	25.84	0.76	1.52	1.52		1.52	1.52	
TOTALS (CARRIED TO LOCATION 1 SUB SUMMARY)									1.52	1.52	
2A	FAI	S.R. 37	0.00	9.73	9.73	19.46	19.46		19.46	19.46	
TOTALS (CARRIED TO LOCATION 2A SUB SUMMARY)									19.46	19.46	
2B	FAI	S.R. 37	9.73	10.40	0.67	1.34	1.34		1.34	1.34	
TOTALS (CARRIED TO LOCATION 2B SUB SUMMARY)									1.34	1.34	
2C	FAI	S.R. 37	10.40	12.92	2.52	5.04	5.04		5.04	5.04	
TOTALS (CARRIED TO LOCATION 2C SUB SUMMARY)									5.04	5.04	

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PAVEMENT MARKING DATA (EDGE LINE)

LIC/FAI-37-25.08/00.00

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CENTER LINE											
L O C A T I O N	C O U N T Y	R O U T E	S.L.M.		T O T A L L E N G T H (MILES)	I N F O R M A T I O N O N L Y		642	648	R E M O V A L O F P A V E M E N T M A R K I N G	R E M A R K S
			F R O M	T O		C E N T E R L I N E Q U A N T I T I E S		C E N T E R L I N E	R E M O V A L O F P A V E M E N T M A R K I N G		
						T O T A L M I L E S	E Q U I V A L E N T S O L I D L I N E	M I L E S			
1	LIC	S.R. 37	25.08	25.84	0.76	0.85	0.720	0.85	0.85		ADDED 0.09 MILE FOR TURN LANES
TOTALS (CARRIED TO LOCATION 1 SUB SUMMARY)								0.85	0.85		
2A	FAI	S.R. 37	0.00	9.73	9.73	9.98	7.061	9.98	9.98		ADDED 0.25 MILE FOR TURN LANES
TOTALS (CARRIED TO LOCATION 2A SUB SUMMARY)								9.98	9.98		
2B	FAI	S.R. 37	9.73	10.40	0.67	0.67	0.289	0.67	0.67		
TOTALS (CARRIED TO LOCATION 2B SUB SUMMARY)								0.67	0.67		
2C	FAI	S.R. 37	10.40	12.92	2.52	3.22	4.358	3.22	3.22		ADDED 0.70 MILE FOR TURN LANES
TOTALS (CARRIED TO LOCATION 2C SUB SUMMARY)								3.22	3.22		

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PAVEMENT MARKING DATA (CENTER LINE)

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AUXILIARY MARKING																				
LOCATION	COUNTY	ROUTE	DESCRIPTION	SIDE	SLM	642										644			REMARKS	
						TRANVERSE/DIAGONAL LINES (24")		STOP LINE (24")	8" CHANNELIZING LINE	WORD ON PAVEMENT		LANE ARROWS			ISLAND MARKING	RAILROAD MARKING SYMBOL	REMOVAL OF PAVEMENT MARKING			
						WHITE	YELLOW			ONLY	COMBINATION	TURN		EACH			FT.	S.F.		
						FT.	FT.	FT.	FT.	72"	96"	LT./TH.	RT./TH.	LT.	RT.	S.F.	EACH	FT.		S.F.
1	LIC	S.R. 37	ON S.R. 37 BEFORE S.R. 79	CL			218		265		1			2				3	483	
TOTAL (CARRIED TO LOCATION 1 SUB SUMMARY)							218		265		1			2				3	483	
2A	FAI	S.R. 37	ON S.R. 37 AFTER S.R. 79	CL			221									57		221	57	
2A	FAI	S.R. 37	ON S.R. 37 BEFORE S.R. 204	CL			141	30	285		1			2				3	456	
2A	FAI	S.R. 37	ON S.R. 37 AFTER S.R. 204	CL			141	30	285		1			2				3	456	
2A	FAI	S.R. 37	ON S.R. 37 @ SLM 5.90 ±	CL													2	2		
2A	FAI	S.R. 37	ON S.R. 37 BEFORE S.R. 256	CL				12										12		
2A	FAI	S.R. 37	ON S.R. 37 AFTER S.R. 256	CL				12										12		
TOTAL (CARRIED TO LOCATION 2A SUB SUMMARY)							503	84	570		2			4		57	2	8	1,157	57
2C	FAI	S.R. 37	ON S.R. 37 BEFORE COONPATH RD N.E.	CL			213	24	225		1			2				3	462	
2C	FAI	S.R. 37	ON S.R. 37 AFTER COONPATH RD N.E.	CL			225	24	239		1			2				3	488	
2C	FAI	S.R. 37	ON S.R. 37 BEFORE RAINBOW DR	CL				24	60		1			1				2	84	
2C	FAI	S.R. 37	ON S.R. 37 AFTER RAINBOW DR	CL				24	60		1			1				2	84	
2C	FAI	S.R. 37	BETWEEN RAINBOW DR & SHERMAN BLUFF	CL			252		160		1			2				3	412	
2C	FAI	S.R. 37	BETWEEN SHERMAN BLUFF & CARPICO DR	CL			268		90		1			1	57			2	358	57
TOTAL (CARRIED TO LOCATION 2C SUB SUMMARY)							958	96	834		6			9	57			15	1,888	57

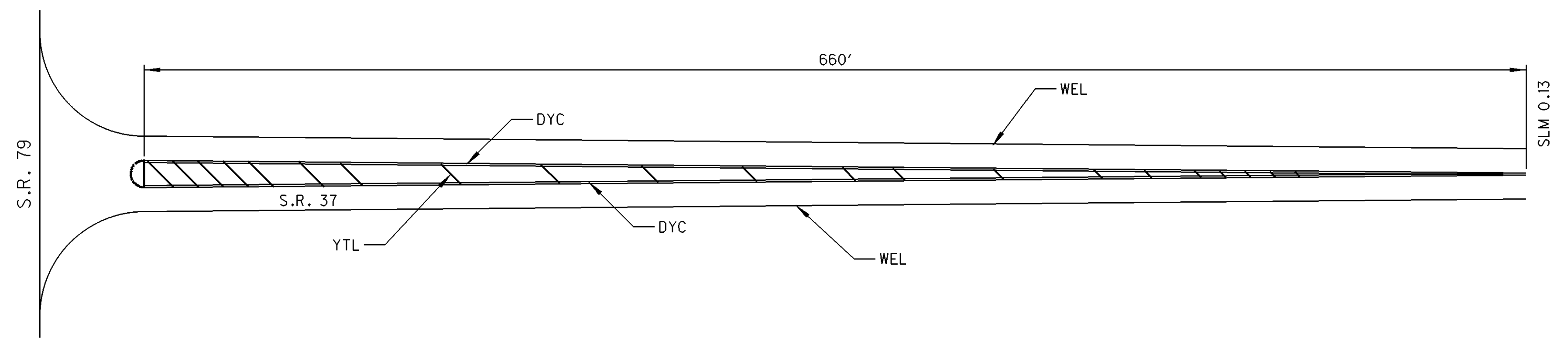
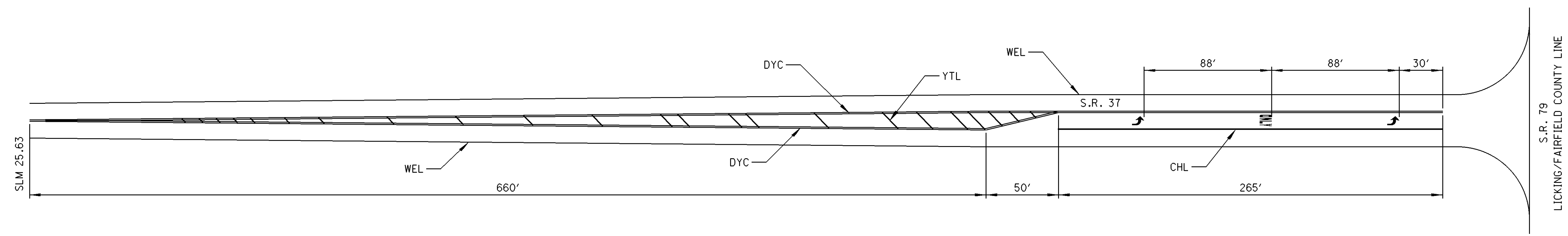
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PAVEMENT MARKING DATA (AUXILIARY)

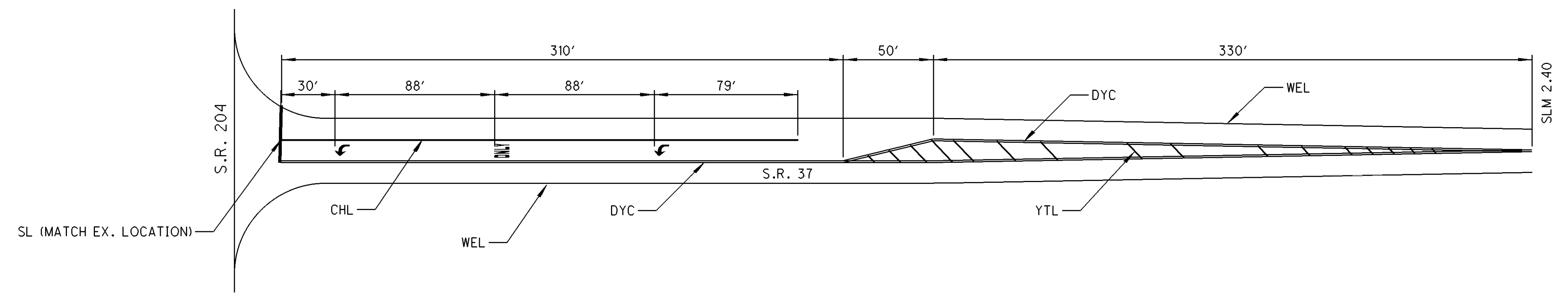
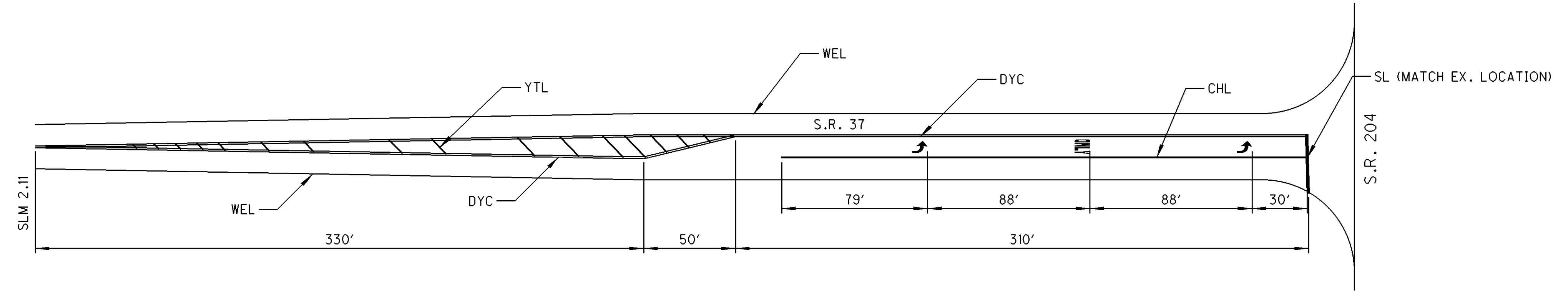
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PAVEMENT MARKING DETAILS

LIC / FAI - 37 - 25.08 / 00.00



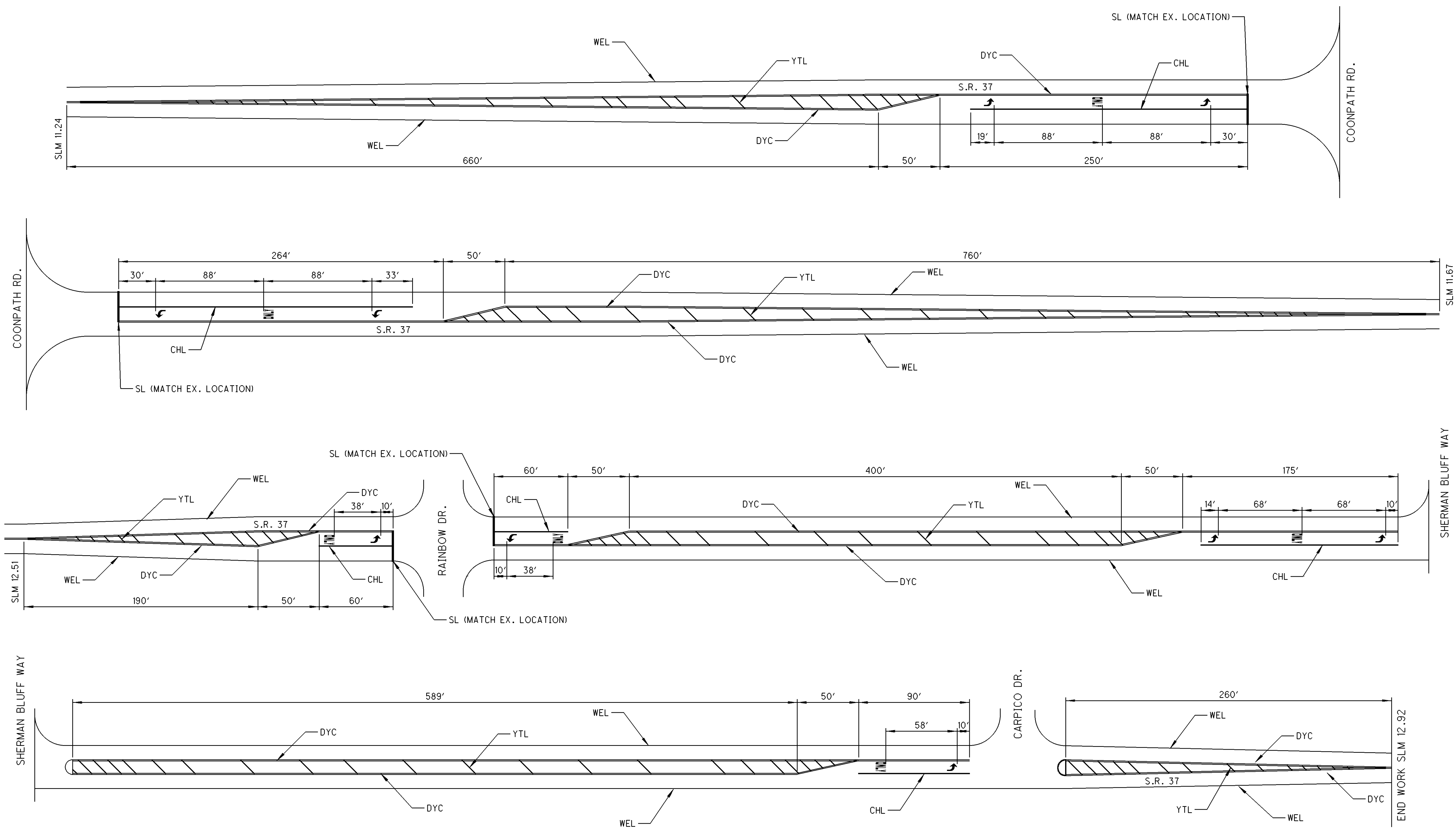
- CHL = CHANNELIZING LINE
- DYC = DOUBLE YELLOW CENTER
- SL = STOP LINE
- WEL = WHITE EDGE LINE
- YTL = YELLOW TRANSVERSE LINE



SEE SHEETS 7-9 FOR PAVEMENT MARKING QUANTITIES

PAVEMENT MARKING DETAILS

LIC / FAI - 37 - 25.08 / 00.00



- CHL = CHANNELIZING LINE
- DYC = DOUBLE YELLOW CENTER
- SL = STOP LINE
- WEL = WHITE EDGE LINE
- YTL = YELLOW TRANSVERSE LINE

SEE SHEETS 7-9 FOR PAVEMENT MARKING QUANTITIES

DETAIL	SEE STD. DWG. TC-65.II	DETAIL	SEE STD. DWG. TC-65.II	DETAIL	SEE STD. DWG. TC-65.II
1	ENTRANCE RAMP	4	4 LANE DIVIDED TO 2 LANE TRANSITION	10	APPROACH WTH LEFT-TURN LANE
2	EXIT RAMP	5	4 LANE UNDIVIDED TO 2 LANE TRANSITION	11	HORIZONTAL CURVE 40'
3	MULTI-LANE DIVIDED HIGHWAY	6	ONE-LANE BRIDGE	12	HORIZONTAL CURVE ALT.
		7	STOP APPROACH	GAP	CENTERLINE AT 80' TYP.
		8	THROUGH APPROACH		
		9	TWO-WAY LEFT TURN LANE		

RAISED PAVEMENT MARKER

LOCATION	COUNTY	ROUTE	BEGIN LOG POINT SLM	END LOG POINT SLM	LENGTH		DETAIL	621		PRISMATIC RETRO-REFLECTOR COLORS					REMARKS
								RAISED PAVEMENT MARKER REMOVED	RPM	INFORMATION ONLY					
										ONE-WAY	TWO-WAY				
											WHITE	YELLOW	YELLOW / YELLOW	WHITE / RED	
					MILES	LIN.FT.	EACH	EACH							
1	LIC	S.R. 37	25.08	25.37	0.29	1,531	GAP	19	19			19			
1	LIC	S.R. 37	25.37	25.84	0.47	2,482	10	35	35			27	8	LEFT TURN @ SR 79	
SUB-TOTALS												46	8		
TOTAL (CARRIED TO LOCATION 1 SUB SUMMARY)								54	54						
2A	FAI	S.R. 37	0.00	0.14	0.14	739	10	17	17			17		TRANSITION 80' SPACING	
2A	FAI	S.R. 37	0.14	0.68	0.54	2,851	GAP	36	36			36			
2A	FAI	S.R. 37	0.68	0.72	0.04	211	11	5	5			5		PC 0.68 PT 0.72 LENGTH 211' DEG 9	
2A	FAI	S.R. 37	0.72	2.10	1.38	7,286	GAP	91	91			91			
2A	FAI	S.R. 37	2.10	2.38	0.28	1,478	10	80	80	32		32	16	STOP AT S.R. 204 - DETAIL 7	
2A	FAI	S.R. 37	2.38	9.73	7.35	38,808	GAP	517	517	32		485		STOP AT S.R. 256 - DETAIL 7	
SUB-TOTALS										64		666	16		
TOTAL (CARRIED TO LOCATION 2A SUB SUMMARY)								746	746						
2B	FAI	S.R. 37	9.73	10.40	0.67	3,538	10	44	44			44			
SUB-TOTALS												44			
TOTAL (CARRIED TO LOCATION 2B SUB SUMMARY)								44	44						
2C	FAI	S.R. 37	10.40	11.26	0.86	4,541	GAP	57	57			57			
2C	FAI	S.R. 37	11.26	11.66	0.40	2,112	10	93	93	32		46	15	STOP AT COONPATH RD - DETAIL 7	
2C	FAI	S.R. 37	11.66	12.51	0.85	4,488	GAP	56	56			56			
2C	FAI	S.R. 37	12.51	12.92	0.41	2,165	7/10	93	93	32		47	14	STOP AT RAINBOW DR - DETAIL 7, LEFT TURN AT SHERMAN BLUFF WAY & CARPICO DR - DETAIL 10	
SUB-TOTALS										64		206	29		
TOTAL (CARRIED TO LOCATION 2C SUB SUMMARY)								299	299						

RAISED PAVEMENT MARKER DATA

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LOCATION 1 SHEET TOTALS							ITEM	ITEM EXT.	GRAND TOTALS	UNIT	DESCRIPTION
3	4	5	7	8	9	10					
	13,552	2,863					881	10001	16,415	SY	PAVEMENT MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN
											TRAFFIC CONTROL
						54	621	00100	54	EACH	RPM
						54	621	54000	54	EACH	RAISED PAVEMENT MARKER REMOVED
			1.52				642	00104	1.52	MILE	EDGE LINE, 6", TYPE 1
				0.85			642	00300	0.85	MILE	CENTER LINE, TYPE 1
					265		642	00400	265	FT	CHANNELIZING LINE, 8", TYPE 1
					218		642	00700	218	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1
					2		642	01300	2	EACH	LANE ARROW, TYPE 1
					1		642	01410	1	EACH	WORD ON PAVEMENT, 96", TYPE 1
					483		644	30000	483	FT	REMOVAL OF PAVEMENT MARKING
					3		644	30020	3	EACH	REMOVAL OF PAVEMENT MARKING
			1.52	0.85			648	30040	2.37	MILE	REMOVAL OF PAVEMENT MARKING
											MAINTENANCE OF TRAFFIC
12							614	12460	12	EACH	WORK ZONE MARKING SIGN

TEST

LOCATION 2A SHEET TOTALS								ITEM	ITEM EXT.	GRAND TOTALS	UNIT	DESCRIPTION
3	4	5	6	7	8	9	10					
	138,382	25,065	324					881	10001	163,771	SY	PAVEMENT MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN
												TRAFFIC CONTROL
							746	621	00100	746	EACH	RPM
							746	621	54000	746	EACH	RAISED PAVEMENT MARKER REMOVED
				19.46				642	00104	19.46	MILE	EDGE LINE, 6", TYPE 1
					9.98			642	00300	9.98	MILE	CENTER LINE, TYPE 1
						570		642	00400	570	FT	CHANNELIZING LINE, 8", TYPE 1
						84		642	00500	84	FT	STOP LINE, TYPE 1
						503		642	00700	503	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1
						57		642	00900	57	SF	ISLAND MARKING, TYPE 1
						2		642	01000	2	EACH	RAILROAD SYMBOL MARKING, TYPE 1
						4		642	01300	4	EACH	LANE ARROW, TYPE 1
						2		642	01410	2	EACH	WORD ON PAVEMENT, 96", TYPE 1
						1,157		644	30000	1,157	FT	REMOVAL OF PAVEMENT MARKING
						57		644	30010	57	SF	REMOVAL OF PAVEMENT MARKING
						8		644	30020	8	EACH	REMOVAL OF PAVEMENT MARKING
			19.46	9.98				648	30040	29.44	MILE	REMOVAL OF PAVEMENT MARKING
												MAINTENANCE OF TRAFFIC
24								614	11110	24	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
82								614	12460	82	EACH	WORK ZONE MARKING SIGN

LOCATION 2B SHEET TOTALS						ITEM	ITEM EXT.	GRAND TOTALS	UNIT	DESCRIPTION
3	4	5	7	8	10					
	9,434	3,145				881	10001	12,579	SY	PAVEMENT MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN
										TRAFFIC CONTROL
						44	621	00100	EACH	RPM
						44	621	54000	EACH	RAISED PAVEMENT MARKER REMOVED
			1.34			642	00104	1.34	MILE	EDGE LINE, 6", TYPE 1
				0.67		642	00300	0.67	MILE	CENTER LINE, TYPE 1
			1.34	0.67		648	30040	2.01	MILE	REMOVAL OF PAVEMENT MARKING
										MAINTENANCE OF TRAFFIC
10						614	12460	10	EACH	WORK ZONE MARKING SIGN

LOCATION 2C SHEET TOTALS							ITEM	ITEM EXT.	GRAND TOTALS	UNIT	DESCRIPTION
3	4	5	7	8	9	10					
	39,952	9,915					881	10001	49,867	SY	PAVEMENT MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN
											TRAFFIC CONTROL
						299	621	00100	299	EACH	RPM
						299	621	54000	299	EACH	RAISED PAVEMENT MARKER REMOVED
			5.04				642	00104	5.04	MILE	EDGE LINE, 6", TYPE 1
				3.22			642	00300	3.22	MILE	CENTER LINE, TYPE 1
					834		642	00400	834	FT	CHANNELIZING LINE, 8", TYPE 1
					96		642	00500	96	FT	STOP LINE, TYPE 1
					958		642	00700	958	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1
					57		642	00900	57	SF	ISLAND MARKING, TYPE 1
					9		642	01300	9	EACH	LANE ARROW, TYPE 1
					6		642	01410	6	EACH	WORD ON PAVEMENT, 96", TYPE 1
					1,888		644	30000	1,888	FT	REMOVAL OF PAVEMENT MARKING
					57		644	30010	57	SF	REMOVAL OF PAVEMENT MARKING
					15		644	30020	15	EACH	REMOVAL OF PAVEMENT MARKING
			5.04	3.22			648	30040	8.26	MILE	REMOVAL OF PAVEMENT MARKING
											MAINTENANCE OF TRAFFIC
24							614	11110	24	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
24							614	12460	24	EACH	WORK ZONE MARKING SIGN

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LOCATION TOTALS				FUNDING SPLITS			ITEM	ITEM EXT.	GRAND TOTALS	UNIT	DESCRIPTION	SEE SHEET
1	2A	2B	2C	01/STR/PV (1,2A)	02/S<2/PV (2B)	03/NHS/PV (2C)						
PAVEMENT												
16,415	163,771	12,579	49,867	180,186	12,579	49,867	881	10001	242,632	SY	MICROSURFACING WITH WARRANTY, SINGLE COURSE, AS PER PLAN	2
TRAFFIC CONTROL												
54	746	44	299	800	44	299	621	00100	1,143	EACH	RPM	
54	746	44	299	800	44	299	621	54000	1,143	EACH	RAISED PAVEMENT MARKER REMOVED	
1.52	19.46	1.34	5.04	20.98	1.34	5.04	642	00104	27.36	MILE	EDGE LINE, 6", TYPE 1	
0.85	9.98	0.67	3.22	10.83	0.67	3.22	642	00300	14.72	MILE	CENTER LINE, TYPE 1	
265	570		834	835		834	642	00400	1,669	FT	CHANNELIZING LINE, 8", TYPE 1	
	84		96	84		96	642	00500	180	FT	STOP LINE, TYPE 1	
218	503		958	721		958	642	00700	1,679	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1	
	57		57	57		57	642	00900	114	SF	ISLAND MARKING, TYPE 1	
	2			2			642	01000	2	EACH	RAILROAD SYMBOL MARKING, TYPE 1	
2	4		9	6		9	642	01300	15	EACH	LANE ARROW, TYPE 1	
1	2		6	3		6	642	01410	9	EACH	WORD ON PAVEMENT, 96", TYPE 1	
483	1157		1,888	1,640		1,888	644	30000	3,528	FT	REMOVAL OF PAVEMENT MARKING	
	57		57	57		57	644	30010	114	SF	REMOVAL OF PAVEMENT MARKING	
3	8		15	11		15	644	30020	26	EACH	REMOVAL OF PAVEMENT MARKING	
2.37	29.44	2.01	8.26	31.81	2.01	8.26	648	30030	42.08	MILE	REMOVAL OF PAVEMENT MARKING	
MAINTENANCE OF TRAFFIC												
	24		24	24		24	614	11110	48	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
12	82	10	24	94	10	24	614	12460	128	EACH	WORK ZONE MARKING SIGN	
				LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
				LS	LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
				LS	LS	LS	624	10000	LS		MOBILIZATION	

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GENERAL SUMMARY

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