

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.

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING AND/OR TRAFFIC SIGNALS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THIS CONTRACT, THE CONTRACTOR SHALL TAKE THE FOLLOWING ACTION TO PROTECT ODOT'S FACILITIES DURING CONSTRUCTION:

HIGHWAY LIGHTING AND/OR TRAFFIC SIGNALS: EVEN THOUGH ODOT IS LISTED AS A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE CONTRACTOR IS REQUIRED TO CONTACT ODOT DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY THE ODOT PROJECT ENGINEER/PROJECT SUPERVISOR, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY-EIGHT HOURS IN ADVANCE OF ANY WORK.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE PROFILE AND ALIGNMENT OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

SURFACE COURSE COMPLETION REQUIREMENTS

ANY GIVEN LENGTH OF WORK ON WHICH RESURFACING OPERATIONS HAVE BEEN STARTED IN A CONSTRUCTION SEASON SHALL HAVE THE SURFACE COURSE PLACED THAT SAME SEASON.

SHIELD

THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF THE PAVEMENT OR EDGELINE. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

COORDINATION OF RESURFACING AND PLANING OPERATIONS

ONCE THE PAVEMENT PLANING OPERATIONS HAVE COMMENCED, THE CONTRACTOR SHALL PLANE CONTINUOUSLY UNTIL ALL ELEMENTS OF WORK ASSOCIATED WITH THE PAVEMENT PLANING OPERATIONS ARE CONCLUDED FOR THAT SECTION OF ROADWAY. THE PAVEMENT PLANING OPERATIONS SHALL BE COMPLETED IN A TIMELY MANNER, OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR MUST BEGIN PAVING OPERATIONS TO COVER THE PLANED SURFACE NO LATER THAN 4 (FOUR) DAYS AFTER THE START OF THE PAVEMENT PLANING FOR THAT SECTION OF ROADWAY.

IF ASPHALT CONCRETE IS TO BE APPLIED DIRECTLY ONTO PORTLAND CEMENT, CONCRETE, OR BRICK PAVEMENT, THE CONTRACTOR SHALL TACK THE EXISTING PAVEMENT WITH RUBBERIZED ASPHALT EMULSION CONFORMING TO C&MS 702.13.

ALL GRINDINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT FOR WHERE REQUIRED IN THE PLAN.

ITEM 408 - PRIME COAT, AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED IN ACCORDANCE WITH C&MS "ITEM 408 - PRIME COAT", EXCEPT THE CONTRACTOR SHALL APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER, AS PER PLAN.

ITEM 617 - SHOULDER PREPARATION, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS 617.04, GRADE THE LOOSENED BERM WITHIN FOUR FEET OF THE EDGE OF PAVEMENT TO ENSURE PROPER DRAINAGE, REMOVE EXCESS MATERIAL, AND RECYCLE OR DISPOSE OF THE MATERIAL ACCORDING TO C&MS 105.16 AND 105.17.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

GRADED SHOULDERS SHALL BE RESHAPED AS PER THE REQUIREMENTS OF ITEM 617, COMPACTED AGGREGATE. COMPACTED AGGREGATE MUST BE COMPACTED FLUSH WITH ROADWAY AND TAPERED TO MEET EXISTING SHOULDER SLOPE. GRINDINGS SHALL BE USED IN LIEU OF ITEM 617, COMPACTED AGGREGATE. IF THE AMOUNT OF GRINDINGS ARE NOT SUFFICIENT TO COVER THE COMPACTED AGGREGATE QUANTITY REQUIRED FOR THIS PLAN, THEN ADDITIONAL MATERIAL MEETING SPECIFICATION 617 SHALL BE PROCURED AND USED BY THE CONTRACTOR. ALL GRINDINGS SHALL ADHERE TO THE SPECIFICATIONS STATED IN C&MS 617 AND MEET GRADATIONS CONFORMING TO C&MS 703.18. THE COST FOR STORING THE GRINDINGS ON THE PROJECT AND PLACING THE GRINDINGS SHALL ALSO BE INCLUDED IN THIS ITEM.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN

THE PAVING OPERATION FOR INTERSECTING PUBLIC ROADS (NON-MAINLINE), AND DRIVEWAYS SHALL CONSIST OF AN AVERAGE THICKNESS EQUAL TO THE ADJACENT SURFACE COURSE FOR AN APPROXIMATE DISTANCE FROM THE EDGE OF PAVEMENT OR PAVED SHOULDERS, WHICHEVER IS APPLICABLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER AS FOLLOWS:

EQUAL MILL/FILL (I.E. 2" MILL & 2" FILL)  
PUBLIC ROADS: 10' WITH 10' WIDE WEARING COURSE REMOVED  
DRIVES: N/A  
I.R. 70 RAMPS AT EXIT 215: NO PAVEMENT WORK

ALL GRADING, TACK COAT, PRIME COAT, TOOLS, EQUIPMENT, AND INCIDENTALS REQUIRED TO LAYOUT AND PAVE THE DRIVEWAYS AND INTERSECTING PUBLIC ROADS SHALL BE INCLUDED IN THE CU. YD. PRICE BID FOR ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN.

THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

ALL DRIVEWAYS SHALL BE PAVED WITHIN (5) WORKING DAYS AFTER PLACING THE SURFACE COURSE ON THE MAINLINE PAVEMENT.

ITEM 646 - EPOXY PAVEMENT MARKINGS

THE CONTRACTOR SHALL REPLACE THE EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS WITH NEW PAVEMENT MARKINGS AT THE SAME LOCATIONS AS PER C&MS 641.06. SEE STANDARD DRAWING TC-71.10 FOR PAVEMENT MARKING DETAILS.

ITEM 621 - RAISED PAVEMENT MARKER REMOVED

EXISTING RAISED PAVEMENT MARKINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR DISPOSAL OFF THE PROJECT, IN AREAS OF PAVEMENT PLANING ONLY, THE REQUIREMENT TO FILL THE DEPRESSIONS SHALL BE WAIVED.

446 DENSITY ACCEPTANCE WITH FLAGGER CLOSING OF A 2-LANE HIGHWAY FOR PAVING OPERATIONS

THIS PLAN NOTE APPLIES ONLY TO A FLAGGER CLOSURE OF ONE LANE OF A 2-LANE HIGHWAY DURING PAVING OPERATIONS WHEN USING A STANDARD CONSTRUCTION DRAWING MT-97.11 OR MT 97.12, AND ALLOWS A PAVING OPERATION TO PROCEED CONCURRENTLY WITH THE MARKING AND CUTTING OF CORES REQUIRED FOR 446 DENSITY ACCEPTANCE.

IN ALL CASES THE CONTRACTOR SHOULD LENTHEN THEIR LANE CLOSURES TO THE MAXIMUM PERMISSIBLE LENGTH DETAILED IN THE ABOVE REFERENCED STANDARD CONSTRUCTION DRAWINGS TO ALLOW THE ENGINEER ADEQUATE TIME TO MARK THE REQUIRED CORE LOCATIONS AND FOR CORE CUTTING OPERATIONS.

THE CONTRACTOR WILL PROVIDE TO THE ENGINEER THE PLANNED QUANTITY THAT WILL BE PLACED FOR THE DAY'S PRODUCTION. EACH DAY'S PRODUCTION WILL BE CONSIDERED ONE LOT AND INCLUDES SHOULDERS. TEN CORES WILL BE OBTAINED BY THE CONTRACTOR FOR EACH LOT AT RANDOM LOCATIONS DETERMINED BY THE ENGINEER. THE ENGINEER WILL DIVIDE A LOT INTO FIVE EQUAL SUBLOTS AND CALCULATE TWO RANDOM CORE LOCATIONS IN EACH SUBLOT AS DESCRIBED IN C&MS 446.05

THE ENGINEER WILL MARK THE CORE LOCATIONS AFTER THE PAVING OPERATION(INCLUDING THE FINISH ROLLER) HAS COMPLETELY PASSED THE RANDOMLY SELECTED CORE LOCATION. THE CORE DRILL OPERATION CAN BEGIN CUTTING CORES WHEN THE NEWLY PLACED SURFACE TEMPERATURE IS LESS THAN 140° F. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LANE CLOSURE DURING ALL PAVING, MARKING, AND CORING OPERATIONS PER THE REQUIREMENTS OF THE STANDARD CONSTRUCTION DRAWING USED FOR THE PAVING OPERATION.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, (2 1/4")

THIS ITEM SHALL INCLUDE HAULING THE GRINDINGS FROM THE PAVEMENT PLANING OPERATION TO THE ADDRESS LISTED BELOW AND STOCKPIILING THE MATERIAL IN A MANNER ACCEPTABLE TO THE ENGINEER. CONTINUOUS END DUMPING WILL NOT BE PERMITTED.

ALL PARTS: 1500 TOTAL TONS DELIVERED TO:  
BELMONT COUNTY GARAGE  
41061 BOND DRIVE, BELMONT, OH 43718  
CONTACT: JERRY CAMPBELL 330-308-6511

ALL LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE SQUARE YARD BID PRICE FOR ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN

THIS ITEM OF WORK CONSISTS OF PREPARING THE SHOULDER TO ACCEPT THE SAFETY EDGE. THE PREPARATION SHALL BE CONSISTENT IN BOTH THICKNESS AND WIDTH.

PRIOR TO PAVING THE SAFETY EDGE, THE CONTRACTOR SHALL GRADE AN AREA 10 INCHES WIDE BEGINNING AT THE EDGE OF THE PAVED ROADWAY TO PROVIDE A LEVEL SURFACE FREE FROM VEGETATION FOR CONSTRUCTION OF THE SAFETY EDGE. THE CONTRACTOR SHALL EXCAVATE THE GRADED AREA TO A DEPTH NECESSARY TO CONSTRUCT THE SAFETY EDGE, AND COMPACT THE GRADED SHOULDER ACCORDING TO C&MS 617.05, OR AS DIRECTED BY THE ENGINEER.

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 SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING 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.

FEDERAL AVIATION ADMINISTRATION  
SOUTHWEST REGIONAL OFFICE  
OBSTRUCTION EVALUATION GROUP  
10101 HILLWOOD PARKWAY  
FORT WORTH, TX 76177  
FAX: (817) 222-5920  
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION  
OFFICE OF AVIATION  
2829 WEST DUBLIN-GRANVILLE ROAD  
COLUMBUS, OHIO 43235  
OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

EXTRA FOR WIDENING (PAVEMENT AREA)

AN ADDITIONAL QUANTITY HAS BEEN ADDED TO THE PAVEMENT DATA SHEETS TO BE USED, AS DIRECTED BY THE ENGINEER, TO COVER AREAS THAT HAVE BEEN WIDENED EITHER ON CURVES, OR ON PREVIOUS MAINTENANCE ACTIVITIES BEYOND THE AVERAGE PAVEMENT WIDTH INDICATED IN THE PLANS.

DESIGN AGENCY



DESIGNER

TLC

REVIEWER

JPB 11-07-25

PROJECT ID

100665

SHEET TOTAL

P.03 16



ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES PER ITEM 614 AND AS PER SCD MT-97.12 OR MT-95.30. THE LENGTH OF RESTRICTED TRAFFIC LANES SHALL BE KEPT TO A MINIMUM CONSISTENT WITH THE CMS REQUIREMENTS FOR THE PROTECTION OF WORK ITEMS, WHICH NECESSITATE THE RESTRICTION. THE LIMITS AND DURATION OF LANE CLOSURES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

THE PLANING AND RESURFACING WILL PROCEED CONTINUOUSLY A MINIMUM OF FIVE (5) DAYS PER WEEK, WEATHER PERMITTING, EXCEPT FOR THE HOLIDAYS AND EVENTS LISTED BELOW. ANY OPEN PAVEMENT TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR PORTABLE BARRIER, PER SCD MT-101.90.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN W8-15 "GROOVED PAVEMENT SIGNS PER CMS 614.055.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SIGNS W8-1 (48"x48") "BUMP" AND W8-2 (48"x48") "DIP" WITH W13-1P (24"x24") ADVISORY SPEED PLAQUE WITH SPEEDS APPROVED BY THE ENGINEER FOR ALL BUTT JOINT LOCATIONS, WHILE THE BUMP OR DIP CONDITION EXISTS.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

MEMORIAL DAY        GENERAL/REGULAR ELECTION DAY (NOV.)  
LABOR DAY  
FOURTH OF JULY  
THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF THE WEEK	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$1,200 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

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.

WHEN RAISED PAVEMENT MARKERS ARE TO BE INSTALLED, THE REQUIRED LANE CLOSURE SHALL REMAIN IN EFFECT UNTIL THE EPOXY IS DRY AND ALL FOREIGN MATTER OR DEBRIS CREATED BY THE INSTALLATION OF THE RPM CASTING IS REMOVED FROM THE ROADWAY.

(CONTINUED...)

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED...)

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 N THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (Hauling.Permits@dot.ohio.gov) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS II, 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS III, 642 PAINT

THE CONTRACTOR SHALL INSTALL ITEM 614 - WORK ZONE CENTER LINE, CLASS II OR CLASS III, 642 PAINT PRIOR TO OPENING THE LANE TO TRAFFIC, OR WHEN THE EXISTING MARKINGS HAVE BEEN COVERED OR DAMAGED, AS PER CMS 614.11.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

WORK ZONE PAVEMENT MARKINGS TABLE						
PART	LOCATION	614				FUNDING
		WORK ZONE CENTER LINE, CLASS II, 642 PAINT	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS III, 8" , 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
		MI	MI	FT.	FT.	
		1	2	3	4	
1	U.S. 40	24.39	24.39	1,329	102	01/STR
2	U.S. 40	4.95	4.95			01/STR
3	U.S. 40	2.07	2.07		387	02/S5K
SUB-TOTALS PARTS 1 & 2		29.34	29.34	1,329	102	01/STR
SUB-TOTALS PARTS 3		2.07	2.07		387	02/S5K
TOTALS (CARRIED TO GENERAL SUMMARY)		31.41	31.41	1,329	489	

WINDOW CONTRACT TABLE

USE THE FOLLOWING TABLE AS REFERRED TO IN THE PROPOSAL:

DESCRIPTION OF WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER HOUR	START EXECUTION DATE	END COMPLETION DATE
ALL WORK ON U.S. 40	153 DAYS	\$1,200	CONTRACT EXECUTION DATE	09-30-2026

ITEM 614 - WORK ZONE MARKING SIGNS

THE CONTRACTOR SHALL ERECT "NO EDGE LINES" (W8-H12a) SIGNS IN ADVANCE OF ANY SECTION OF ROADWAY LACKING CMS STANDARD EDGE LINE MARKINGS, AS PER CMS 614.04.

IN THE EVENT THE CONTRACTOR CANNOT INSTALL THE WORK ZONE CENTER LINE, CLASS III, DUE TO CONDITIONS BEYOND HIS CONTROL, OR WHEN CLASS II PAVEMENT MARKINGS ARE USED, AN ESTIMATED CONTINGENCY QUANTITY FOR "DO NOT PASS" (R4-1) AND "PASS WITH CARE" (R4-2) SIGNS HAVE BEEN PROVIDED IN THE "WORK ZONE MARKING SIGN TABLE" WHICH SHALL BE ERECTED BY THE CONTRACTOR IN LIEU OF THE AFOREMENTIONED PAVEMENT MARKINGS. THE APPROPRIATE SIGNAGE SHALL BE PLACED AS PER OMUTCD SECTIONS 2B.28 AND 2B.29 PRIOR TO THE COVERING, OR REMOVAL OF EXISTING PAVEMENT MARKINGS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR WORK ZONE MARKING SIGNS PER THE REQUIREMENTS ABOVE AND ITEM 614 OF THE SPECIFICATIONS.

ITEM 614 - WORK ZONE MARKING SIGN        110 EACH

WORK ZONE MARKING SIGN TABLE					
PART	LOCATION	614			FUNDING
		WORK ZONE MARKING SIGN			
		NO EDGE LINES (W8-H12a)	DO NOT PASS (R4-1)	PASS WITH CARE (R4-2)	
		EACH	EACH	EACH	
1	U.S. 40	80	6	6	01/STR
2	U.S. 40	4	2	2	01/STR
3	U.S. 40	6	2	2	02/S5K
SUB-TOTALS PARTS 1 & 2		100			01/STR
SUB-TOTALS PARTS 3		10			02/S5K
TOTALS (CARRIED TO GENERAL SUMMARY)		110			





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SHEET NUMBER												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
	P.05	P.06	P.09	P.10	P.11	P.12	P.13	P.14				01/STR	02/S5K						
																		ROADWAY	
			1,565									1,309	256	202	23500	1,565	SY	WEARING COURSE REMOVED	
				20.82								19.56	1.26	209	72051	20.82	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	P.03
						5						5		SPECIAL	69050100	5	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	P.12
						18						18		SPECIAL	69050200	18	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	P.12
																		EROSION CONTROL	
												850	150	832	30000	1,000	EACH	EROSION CONTROL	
																		PAVEMENT	
							220					200	20	251	01042	220	CY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)	
			167,168	29,557	820							186,469	11,076	254	01001	197,545	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2 1/4")	P.03
			23,403	2,513	70							24,517	1,469	407	10000	25,986	GAL	TACK COAT	
				11,823								11,234	589	408	10001	11,823	GAL	PRIME COAT, AS PER PLAN	P.03
			5,751	1,182	52							6,598	387	441	10100	6,985	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M	
			4,887	822								5,387	322	441	50200	5,709	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
			55									46	9	441	70501	55	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN	P.03
				1,027								976	51	617	10101	1,027	CY	COMPACTED AGGREGATE, AS PER PLAN	P.03
				29,557								28,084	1,473	617	20001	29,557	SY	SHOULDER PREPARATION, AS PER PLAN	P.03
				3.47								3.47		618	43000	3.47	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
				3.47								3.47		874	21000	3.47	MILE	LONGITUDINAL JOINT PREPARATION	
																		TRAFFIC CONTROL	
								1,540				1,447	93	621	00100	1,540	EACH	RPM	
								1,540				1,447	93	621	54000	1,540	EACH	RAISED PAVEMENT MARKER REMOVED	
								22.84				21.46	1.38	646	10010	22.84	MILE	EDGE LINE, 6"	
								1.59				1.59		646	10110	1.59	MILE	LANE LINE, 6"	
								10.81				10.12	0.69	646	10200	10.81	MILE	CENTER LINE	
								443				443		646	10300	443	FT	CHANNELIZING LINE, 8"	
								34				34		646	10400	34	FT	STOP LINE	
								675				675		646	10600	675	FT	TRANSVERSE/DIAGONAL LINE	
								440				440		646	10800	440	SF	ISLAND MARKING	
								12				12		646	20300	12	EACH	LANE ARROW	
																		MAINTENANCE OF TRAFFIC	
		50										40	10	614	11110	50	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	110											100	10	614	12460	110	EACH	WORK ZONE MARKING SIGN	
	31.41											29.34	2.07	614	21500	31.41	MILE	WORK ZONE CENTER LINE, CLASS II, 642 PAINT	
	31.41											29.34	2.07	614	21550	31.41	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	1,329											1,329		614	23680	1,329	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	489											102	387	614	26610	489	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
																		INCIDENTALS	
	LS											LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
												5		619	16010	5	MNTH	FIELD OFFICE, TYPE B	
												LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

TLC

REVIEWER

JPB 11-07-25

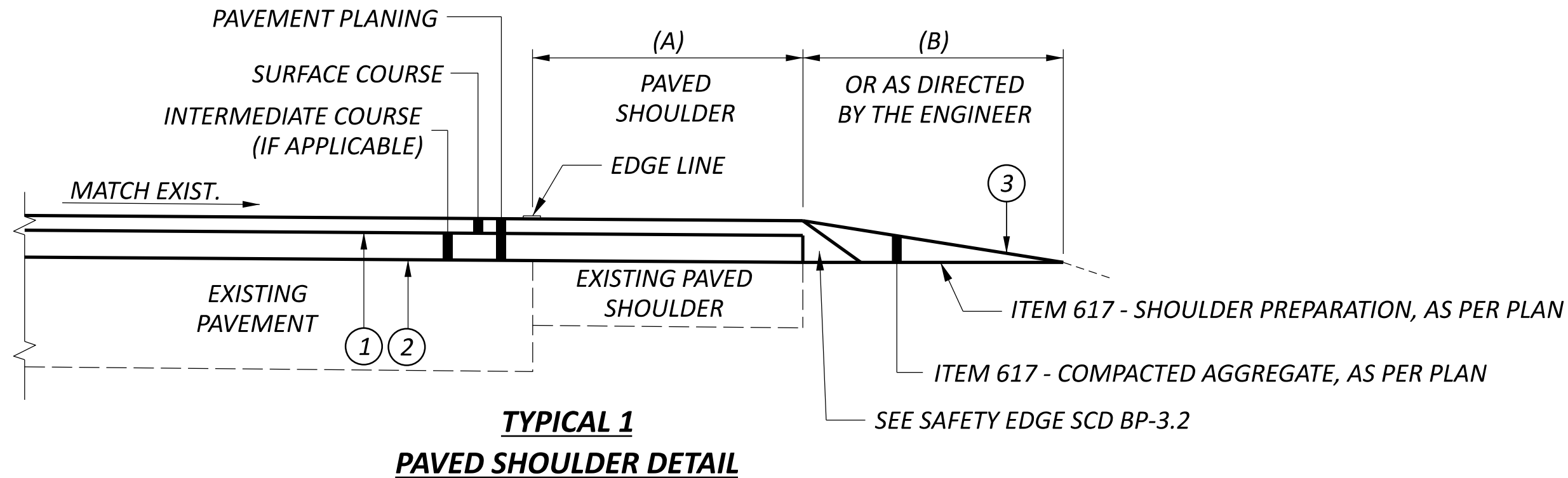
PROJECT ID

100665

SHEET TOTAL

P.07 16

SHOULDER QUANTITIES																												
PART	COUNTY	ROUTE	LOG POINT TO LOG POINT (STRAIGHT LINE MILEAGE)		MILE	DEDUCTIONS FOR BRIDGES	FEET (WITH DEDUCTIONS)	TYPICAL		PROPOSED WIDTH FEET				SHOULDER AREA	209	254	407	408	441				617			618	874	FUNDING
															PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	TACK COAT	PRIME COAT, AS PER PLAN	IN.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), (PG70-22M)	SAFETY EDGE ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), (PG70-22M)	IN.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	IN.	COMPACTED AGGREGATE, AS PER PLAN	SHOULDER PREPARATION, AS PER PLAN	RUMBLE STRIPE, CENTER LINE, (ASPHALT CONCRETE)	
			LEFT	RIGHT				2 ¼"	0.085 GAL/SY	0.40 GAL/SY	CU. YD.	CU. YD.	CU. YD.		CU. YD.	SQ. YD.	MILE	MILE										
			FROM	TO				FT.	LT.	RT.	A	B	A		B	SQ. YD.	MILE	SQ. YD.	GAL.	GAL.		CU. YD.	CU. YD.		CU. YD.	CU. YD.	CU. YD.	
1	BEL	U.S. 40	6.44	6.59	0.15		792	1	2.0		2.0		352		352	30		1 ¼	12	2	1	10						
											2.0		2.0	352	0.30			141				1 ¼	12	352				
1	BEL	U.S. 40	6.59	7.27	0.68		3,590	1	4.0		4.0		3,191		3,191	271		1 ¼	111	10	1	89						
											4.0		4.0	3,191	1.36			1,276				1 ¼	111	3,191				
1	BEL	U.S. 40	7.27	7.54	0.27		1,426	1	4.0		4.0		1,268		1,268	108		1 ¼	44	4	1	35						
											4.0		4.0	1,268	0.54			507				1 ¼	44	1,268				
1	BEL	U.S. 40	7.54	7.60	0.06		317	1	2.0		2.0		141		141	12		1 ¼	5	1	1	4				0.06	0.06	
											2.0		2.0	141	0.12			56				1 ¼	5	141				
1	BEL	U.S. 40	7.60	8.99	1.39		7,339	1	2.5		2.5		4,077		4,077	347		1 ¼	142	21	1	113				1.39	1.39	
											2.5		2.5	4,077	2.78			1,631				1 ¼	142	4,077				
1	BEL	U.S. 40	8.99	9.98	0.99		5,227	1	2.5		2.5		2,904		2,904	247		1 ¼	101	15	1	81						
											2.5		2.5	2,904	1.98			1,162				1 ¼	101	2,904				
1	BEL	U.S. 40	9.98	12.55	2.57		13,570	1	2.5		2.5		7,539		7,539	641		1 ¼	262	38	1	209						
											2.5		2.5	7,539	5.14			3,016				1 ¼	262	7,539				
1	BEL	U.S. 40	12.55	14.57	2.02		10,666	1	2.0		2.0		4,740		4,740	403		1 ¼	165	30	1	132				2.02	2.02	
											2.0		2.0	4,740	4.04			1,896				1 ¼	165	4,740				
SUB-TOTALS: PART 1														16.26	24,212	2,059	9,685		842	121		673		842	24,212	3.47	3.47	01/STR
2	BEL	U.S. 40	15.30	16.95	1.65		8712	1	2.0		2.0		3,872		3,872	329		1 ¼	134	25	1	108						
											2.0		2.0	3,872	3.30			1,549				1 ¼	134	3,872				
SUB-TOTALS: PART 2														3.30	3,872	329	1,549		134	25		108		134	3,872			01/STR
3	BEL	U.S. 40	16.95	17.64	0.63	329	3,314	1	2.0		2.0		1,473		1,473	125		1 ¼	51	9	1	41						
											2.0		2.0	1,473	1.26			589				1 ¼	51	1,473				
SUB-TOTALS: PART 3														1.26	1,473	125	589		51	9		41		51	1,473			02/S5K
SUB-TOTALS: PARTS 1 & 2														19.56	28,084	2,388	11,234		976	146		781		976	28,084	3.47	3.47	01/STR
SUB-TOTALS: PART 3														1.26	1,473	125	589		51	9		41		51	1,473			02/S5K
TOTALS (CARRIED TO GENERAL SUMMARY)														20.82	29,557	2,513	11,823		1,182			822		1,027	29,557	3.47	3.47	



**PROPOSED LEGEND**

- ① — ITEM 407 - TACK COAT @ 0.055 GAL/SY
- ② — ITEM 407 - TACK COAT @ 0.085 GAL/SY
- ③ — ITEM 408 - PRIME COAT, AS PER PLAN

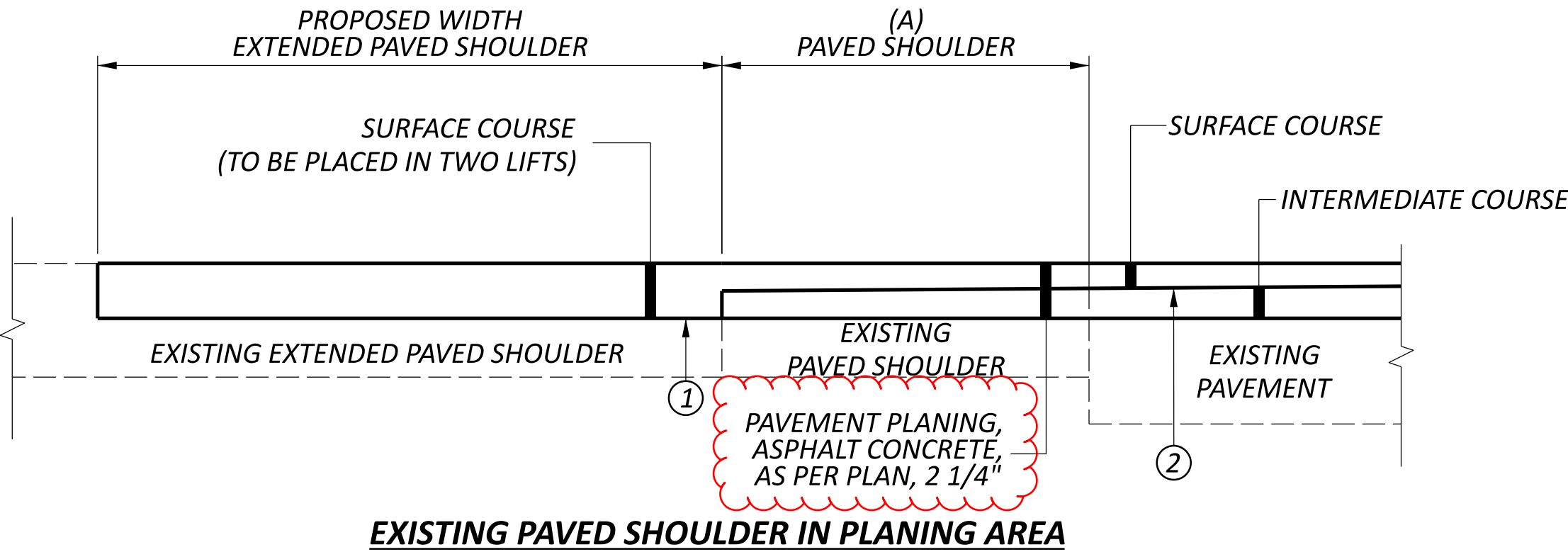




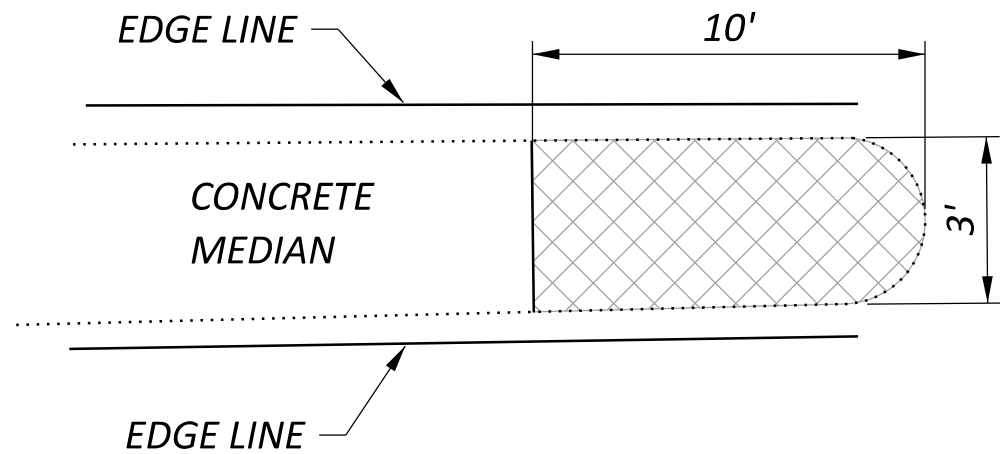
EXTENDED PAVED SHOULDER QUANTITIES															
PART	COUNTY	ROUTE	LOG POINT TO LOG POINT (STRAIGHT LINE MILEAGE)		SIDE	TYPICAL	LENGTH (FIELD MEASUREMENTS)	PROPOSED WIDTH	PAVEMENT AREA	254	407	441		FUNDING	REMARKS
										PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	TACK COAT	AVERAGE THICKNESS	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), (PG70-22M)		
2 ¼"	0.085 GAL./S.Y.	IN.	CU. YD.												
FROM	TO	FT.	FT.	SQ. YD.	SQ. YD.	GAL.									
1	BEL	U.S. 40	10.04	10.15	RT.	2	132	4	59	59	5	2 ¼	4		THE PIKE 40
1	BEL	U.S. 40	10.78	10.84	LT.	2	210	4	93	93	8	2 ¼	6		ROUTE 40 LUMBER JAX
1	BEL	U.S. 40	11.50	11.56	RT.	2	190	4	84	84	7	2 ¼	5		CHAPS BAR & GRILL
1	BEL	U.S. 40	13.06	13.10	RT.	2	210	4	93	93	8	2 ¼	6		CARRYOUT
TOTAL: PART 1							742		329	329	28		21	01/STR	
2	BEL	U.S. 40	15.30	15.35	RT.	2	168	4	75	75	6	2 ¼	5		WVU MEDICINE
2	BEL	U.S. 40	15.30	15.35	LT.	2	360	4	160	160	14	2 ¼	10		PAIN CLINIC/PET GROOMING/VFW
2	BEL	U.S. 40	15.65	15.77	RT.	2	575	4	256	256	22	2 ¼	16		LENDON FLORAL GARDEN/SNIPS HAIR DESIGN
TOTAL: PART 2							1,103		491	491	42		31	01/STR	
SUB-TOTALS: PARTS 1 & 2										820	70		52	01/STR	
TOTALS (CARRIED TO GENERAL SUMMARY)										820	70		52		

EXTENDED PAVED SHOULDER TYPICAL  
PROPOSED LEGEND

- ① — ITEM 407 - TACK COAT @ 0.085 GAL/SY
- ② — ITEM 407 -TACK COAT @ 0.055 GAL/SY

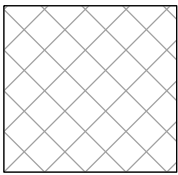


TRAFFIC CONTROL SUBSUMMARY																					
PART	SHEET NO.	COUNTY	ROUTE	LOG POINT TO LOG POINT (STRAIGHT LINE MILEAGE)		621					646										FUNDING
						RPM				RAISED PAVEMENT MARKER REMOVED	STOP LINE	TRANSVERSE/ DIAGONAL LINE	CHANNELIZING LINE, 8"	ISLAND MARKING	LANE ARROW	EDGE LINE, 6" (WHITE)	EDGE LINE, 6" (YELLOW)	LANE LINE, 6"	CENTER LINE		
						SPACING	WHITE	YELLOW/ YELLOW	WHITE/ RED												
				FROM	TO															FT.	
1		BEL	U.S. 40	6.44	6.59	40		21		21						0.30			0.15		
1		BEL	U.S. 40	6.59	7.54	40		127		127						1.90	1.90		0.95		
1		BEL	U.S. 40 (E.B.)	6.59	7.28	120	32			32								0.69			
1		BEL	U.S. 40 (W.B.)	6.64	7.54	120	41			41								0.90			
1		BEL	U.S. 40	7.54	14.57	40		929		929						14.06			7.03		
1	P.15	BEL	U.S. 40	6.59	6.64	40		8	3	11	24		243		6						
1	P.15	BEL	U.S. 40	7.38	7.60	40		31		31		475							0.22		
1	P.16	BEL	U.S. 40	14.29	14.40	40		16		16		100		80					0.07		
1	P.16	BEL	U.S. 40	14.40	14.52	40		17	3	20	10	100	200		6				0.05		
1	*SEE BULLNOSE ISLAND MARKING - U.S. 40			6.59	7.52									360							
SUB-TOTALS PART 1							1,228			1,228	34	675	443	440	12	16.26	1.90	1.59	8.47	01/STR	
2		BEL	U.S. 40	15.30	16.95	40		219		219						3.30			1.65		
SUB-TOTALS PART 2							219			219						3.30			1.65	01/STR	
3		BEL	U.S. 40	16.95	17.64	40		93		93						1.38			0.69		
SUB-TOTALS PART 3							93			93						1.38			0.69	02/S5K	
SUB-TOTALS PARTS 1 & 2							1,447			1,447	34	675	443	440	12	21.46		1.59	10.12	01/STR	
SUB-TOTALS PART 3							93			93						1.38			0.69	02/S5K	
TOTALS (CARRIED TO GENERAL SUMMARY)							1,540			1,540	34	675	443	440	12	22.84		1.59	10.81		



\* BULLNOSE ISLAND MARKINGS - U.S. 40

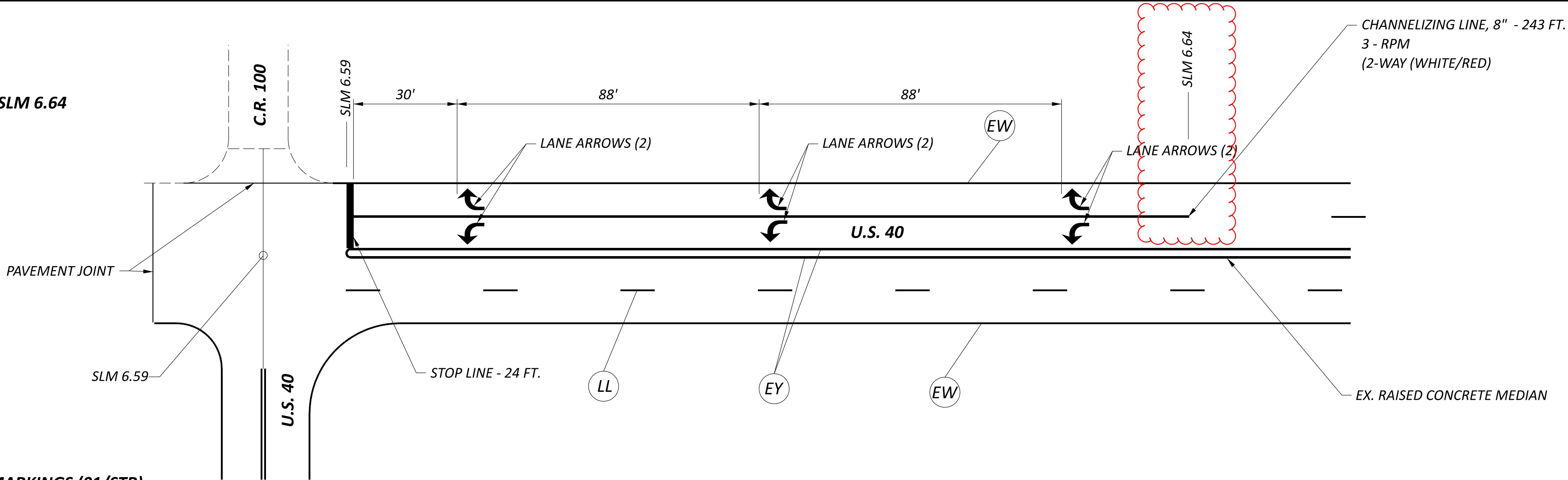
- SLM 6.59
- SLM 6.78
- SLM 6.92
- SLM 7.29
- SLM 7.43
- SLM 7.47
- SLM 6.76
- SLM 6.90
- SLM 7.27
- SLM 7.30
- SLM 7.45
- SLM 7.52



ITEM 642 - ISLAND MARKING, MEDIAN CURB (YELLOW) - 30 SQ. FT. \* 12 LOCATIONS = 360 SQ. FT. (01/STR)  
(QUANTITY CARRIED IN THE TABLE, ABOVE)



COUNTY BEL  
ROUTE U.S. 40  
SECTION SLM 6.59 TO SLM 6.64  
PART 1



ADDITIONAL PAVEMENT MARKINGS (01/STR)

ITEM 646 - STOP LINE - 24 FT.  
ITEM 646 - LANE ARROWS - 6 EACH  
ITEM 646 - CHANNELIZING LINE, 8" - 243 FT.

ADDITIONAL RPM'S (01/STR)

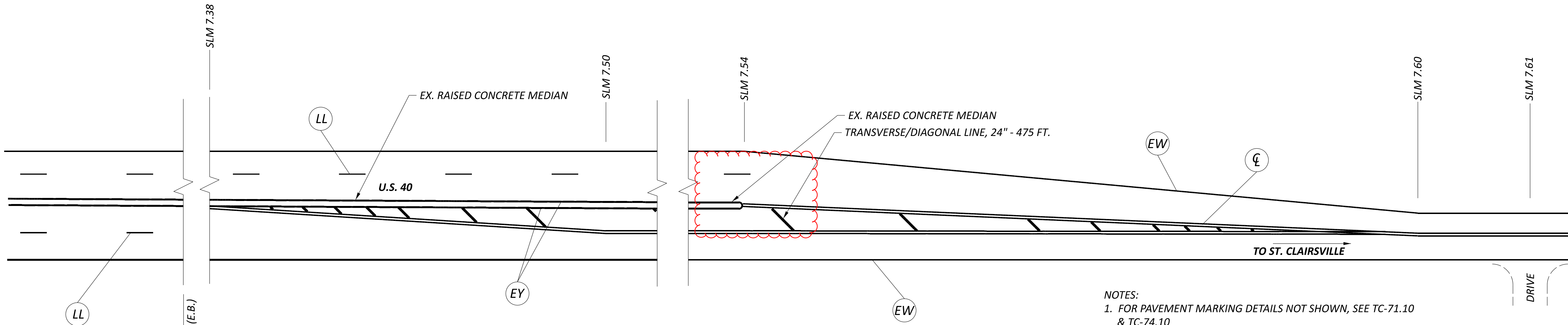
ITEM 621 - RPM  
(WHITE/RED) - 3 EACH  
ITEM 621 - RAISED PAVEMENT MARKER REMOVED - 3 EACH

FOR RAISED MEDIAN BULLNOSE ISLAND MARKING SEE P.14

NOTES:

- EY — ITEM 646 - EDGE LINE (YELLOW) (FOR INFO ONLY, QUANTITY CARRIED ON SHEET P.14)
- EW — ITEM 646 - EDGE LINE (WHITE) (FOR INFO ONLY, QUANTITY CARRIED ON SHEET P.14)
- LL — ITME 646 - LANE LINE (FOR INFO ONLY, QUANTITY CARRIED ON SHEET P.14)

COUNTY BEL  
ROUTE U.S. 40  
SECTION SLM 7.38 TO SLM 7.60  
PART 1



ADDITIONAL PAVEMENT MARKINGS (01/STR)

ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW) - 475 FT.  
ITEM 646 - CENTERLINE - 0.22 MILE

FOR RAISED MEDIAN BULLNOSE ISLAND MARKING SEE P.14

NOTES:

1. FOR PAVEMENT MARKING DETAILS NOT SHOWN, SEE TC-71.10 & TC-74.10

- CL — ITEM 646 - CENTER LINE (FOR INFORMATION ONLY, QUANTITY CARRIED ON SHEET P.14)
- EY — ITEM 646 - EDGE LINE (YELLOW) (FOR INFORMATION ONLY, QUANTITY CARRIED ON SHEET P.14)
- EW — ITEM 646 - EDGE LINE (WHITE) (FOR INFORMATION ONLY, QUANTITY CARRIED ON SHEET P.14)
- LL — ITME 646 - LANE LINE (WHITE) (FOR INFORMATION ONLY, QUANTITY CARRIED ON SHEET P.14)