

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 LISTED IN THE GENERAL SUMMARY 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 AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS (EXCEPT WHERE NOTED ON SHEET 7).

ITEM 897- PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A

THE PAVEMENT PLANING SHALL BE SCHEDULED SO AS TO BE COVERED BY THE LEVELING COURSE WITHIN 7 CALENDAR DAYS. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE ITEM. A DISINCENTIVE IN THE AMOUNT OF \$20,400 SHALL BE ASSESSED FOR EACH DAY, OR PORTION THEREOF, A PLANED SURFACE IS OPEN TO TRAFFIC BEYOND THE SPECIFIED TIME LIMIT.

ITEM 621- RPM REMOVED/REPLACED

ITEM 621- RPM, 2-WAY (WHITE/RED).....932 EA  
ITEM 621- RPM, 2-WAY (YELLOW/RED).....60 EA

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 621- RPM .....992 EA  
ITEM 621- RPM REMOVED.....975 EA

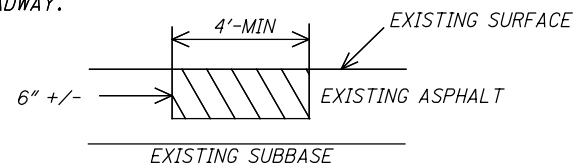
ITEM 421- MICROSURFACING, AS PER PLAN

WORK TO BE PERFORMED IN TRAVELED LANE ONLY, FROM INSIDE EDGE LINE TO INSIDE EDGE LINE (DO NOT DISTURB EDGE LINE MARKINGS). NO WORK TO BE PERFORMED ON SHOULDER.

IN ADDITION TO THE REQUIREMENTS OF ITEM 421, THE FOLLOWING SHALL APPLY. REPLACE THE CONTENT OF SECTION 421.05 WEATHER LIMITATIONS WITH THE FOLLOWING:APPLY THE MIXTURE ONLY WHEN IT IS NOT RAINING, PAVEMENT HAS NO STANDING WATER, AND THE EXISTING PAVEMENT SURFACE AND ATMOSPHERIC TEMPERATURE IS A MINIMUM OF 50 F (10 C) AND RISING AND THERE IS NO FORECAST OF AN ATMOSPHERIC TEMPERATURE BELOW 40 F (4 C) WITHIN 24 HOURS FROM THE TIME THE MIXTURE IS APPLIED. DO NOT APPLY THE MIXTURE BETWEEN THE HOURS OF 7 PM TO 7 AM FROM SEPTEMBER 1 TO APRIL 30 UNLESS APPROVED BY THE ODOT DISTRICT 8 TEST LAB ENGINEER.

ITEM 253- PAVEMENT REPAIR

AN ESTIMATED QUANTITY OF 190 CU YDS OF ITEM 253- PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A MAXIMUM DEPTH OF 6 INCHES OR AS DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301, ASPHALT CONCRETE BASE UP TO 1.5" BELOW EXISTING PAVEMENT SURFACE. FILL THE REMAINING 1.5" WITH ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM TYPE A (448). THE LOCATION AND SIZE OF THE REPAIR SHALL BE DETERMINED BY THE ENGINEER. DO NOT REMOVE ANY CONCRETE PAVEMENT/BITUMINOUS AGGREGATE.

I:\Project+Data\BUT-75-5.5\Design\Roadway\Sheets\00632GN001.dgn Sheet 12/10/2020 9:58:56 PM whenson

CALCULATED  
SEC  
CHECKED  
JDO

GENERAL NOTES

BUT-IR75-5.52



**ITEM 614- MAINTAINING TRAFFIC**

ALL LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT IN ACCORDANCE WITH THE LANE VALUE CONTRACT, BY USE OF THE EXISTING PAVEMENT AND COMPLETED PAVEMENT.

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

**HOLIDAYS OR EVENTS:**

CHRISTMAS NEW YEARS MEMORIAL DAY EASTER FOURTH OF JULY LABOR DAY 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 HOLIDAY OR EVENT	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
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 \$310 FOR EACH MINUTE 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.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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.

**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 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 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.

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

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 REQUIREMENT OF C&MS 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) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

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 IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED 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.

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 GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE **400 HOURS**

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.

**LANE VALUE CONTRACT TABLE**

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD		TIME UNIT	DISINCENTIVE \$ PER TIME UNIT PER LANE
	WEEKDAY	WEEKEND		
BUT-75: MAINTAIN MINIMUM 3 LANES (SINGLE LANE CLOSURE)	6AM-8PM	9AM-9PM	1 MINUTE PERIOD	\$285
BUT-75: MAINTAIN MINIMUM 2 LANES (DOUBLE LANE CLOSURE)	5AM-10PM	7AM-11PM	1 MINUTE PERIOD	\$285
BUT-75: MAINTAIN MINIMUM 1 LANE (TRIPLE LANE CLOSURE)	5AM-12AM	6AM-12AM	1 MINUTE PERIOD	\$285
BUT-75: RAMPS	5AM-10PM	5AM-10PM	1 MINUTE PERIOD	\$285

NOTE:  
1. EACH RAMP IS PERMITTED TO BE CLOSED A MAXIMUM OF 4 TIMES. ONLY 1 RAMP IS PERMITTED TO BE CLOSED AT A TIME.

**FLOODLIGHTING**

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL LABOR, EQUIPMENT BEFORE WORK PROCEEDS. AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC (PLAN NOTE 642-2).

**ITEM 614- WORK ZONE PAVEMENT MARKINGS**

THE FOLLOWING QUANTITIES FOR WORK ZONE (WZ) MARKINGS HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

MILLED SURFACE:  
ITEM 614- WZ LANE LINE, CLASS I, 6", 642 PAINT..... 10.52 MILES  
ITEM 614- WZ CHANNELIZING LINE, CLASS I, 12", 642 PAINT... 7911 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 6", 642 PAINT..... 32178 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 12", 642 PAINT..... 3200 FT

LEVELING COURSE:  
ITEM 614- WZ LANE LINE, CLASS I, 6", 642 PAINT..... 10.52 MILES  
ITEM 614- WZ CHANNELIZING LINE, CLASS I, 12", 642 PAINT... 7911 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 6", 642 PAINT..... 32178 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 12", 642 PAINT..... 3200 FT

SURFACE COURSE:  
ITEM 614- WZ LANE LINE, CLASS I, 6", 642 PAINT..... 10.52 MILES  
ITEM 614- WZ CHANNELIZING LINE, CLASS I, 12", 642 PAINT... 7911 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 6", 642 PAINT..... 32178 FT  
ITEM 614- WZ DOTTED LINE, CLASS I, 12", 642 PAINT..... 3200 FT

**ITEM 614, WORK ZONE SPEED ZONES (WZSZS)**

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER	COUNTY & ROUTE	DIRECTION
WZ-	45095 BUT-75	NB/SB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF =55 MPH, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, Crossover, CONTRAFLOW AND/OR SHOULDER

CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ. THE PRIMARY SIGNING STRATEGY USES DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLIES. WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, SUPPLEMENTAL SPECIFICATION (SS) 808, AND TRAFFIC SCD MT-104.10. ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRE-CONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (=55 MPH) MULTI-LANE HIGHWAYS  
**WITH POSITIVE PROTECTION WITHOUT POSITIVE PROTECTION**

ORIGINAL POSTED SPEED LIMIT	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:  
ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY(IES)... **8 SIGN MONTH(S)**

ASSUMING 4 DSL SIGN ASSEMBLY(IES) FOR 2 MONTH(S)

I:\Project+Data\BUT\100632\_BUT-75-5.5\Design\Roadway\Sheets\100632GG001.dgn Sheet 12/10/2020 10:15:03 PM whenson

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	SEC	CHECKED	JDO
3	4	5	7	8							01/IMS/PV		EXT	TOTAL							
											<b>PAVEMENT</b>										
190											190	253	02000	190	CY	PAVEMENT REPAIR					
			114,282								114,282	421	10011	114,282	SY	MICROSURFACING, SURFACE COURSE, AS PER PLAN				3	
			114,282								114,282	421	10021	114,282	SY	MICROSURFACING, LEVELING COURSE, AS PER PLAN				3	
			114,282								114,282	897	01010	114,282	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, 0.5"					
			1,145								1,145	897	02000	1,145	SY	PATCHING PLANED SURFACE					
											<b>TRAFFIC CONTROL</b>										
992											992	621	00100	992	EACH	RPM					
975											975	621	54000	975	EACH	RAISED PAVEMENT MARKER REMOVED					
				6.82							6.82	642	00104	6.82	MILE	EDGE LINE, 6", TYPE 1					
				10.52							10.52	642	00204	10.52	MILE	LANE LINE, 6", TYPE 1					
				7,911							7,911	642	00404	7,911	FT	CHANNELIZING LINE, 12", TYPE 1					
				32,178							32,178	642	01510	32,178	FT	DOTTED LINE, 6", TYPE 1					
				3,200							3,200	642	01560	3,200	FT	DOTTED LINE, 12", TYPE 1					
											<b>MAINTENANCE OF TRAFFIC</b>										
400											400	614	11110	400	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					
		8									8	614	18601	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN				5	
											31.56	614	20110	31.56	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT					
											23,733	614	23210	23,733	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT					
											96,534	614	24202	96,534	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT					
											9,600	614	24208	9,600	FT	WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT					
											8	808	18700	8	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY					
											<b>INCIDENTALS</b>										
											LS	614	11000	LS		MAINTAINING TRAFFIC					
											LS	624	10000	LS		MOBILIZATION					

**GENERAL SUMMARY**

**BUT - IR75 - 5.52**

