

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE, AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
2 SIGN MONTHS ASSUMING 2 PCMS SIGNS FOR 1 MONTH

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

WORK ZONE EDGE LINE, CLASS I, 4",
740.06, TYPE I 0.05 MILE
WORK ZONE STOP LINE, CLASS I,
~~740.06, TYPE I 24 FT~~
WORK ZONE CENTER LINE, CLASS I,
740.06, TYPE I 0.10 MILE

ENVIRONMENTAL COMMITMENT

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT ANY AND ALL MATERIAL FROM GOING OFF THE EDGE OF THE BRIDGE DECK DURING ALL CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE, THROUGH NON-MECHANICAL MEANS, ANY MATERIAL THAT FALLS INTO THE TIFFIN RIVER. ANY FILL PLACED WITHIN THE TIFFIN RIVER IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT OF 1972 AND THE FEDERAL ENDANGERED SPECIES ACT OF 1973.

I:\ProjectData\WIL\95996_WIL_SR_2_11.82\Design\Roadway\Sheets\95996_CN002.dgn Sheet 10/27/2020 1:37:52 PM dgeckle

CALCULATED
JW
CHECKED
DJG

GENERAL NOTES

WIL-2-11.82
BRIDGE PAINTING

3
7

I:\ProjectData\WIL\SR_2_1182\Design\Roadway\Sheets\95996\CG001.dgn Sheet 10/27/2020 1:52:59 PM dgeckle

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
						2		3		01/BRO/BR		EXT	TOTAL			
MISCELLANEOUS STRUCTURE (WIL-2-1182)																
										10,267	514	00050	10,267	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
										10,267	514	00056	10,267	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
										10,267	514	00060	10,267	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
										10,267	514	00066	10,267	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
										12	514	00504	12	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
										8	514	10000	8	EACH	FINAL INSPECTION REPAIR	
MAINTENANCE OF TRAFFIC																
										1	SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL	2
						2				2	614	12500	2	EACH	REPLACEMENT SIGN	
						2				2	614	12600	2	EACH	REPLACEMENT DRUM	
										2	614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
						9				9	614	13310	9	EACH	BARRIER REFLECTOR, TYPE 1, BIDIRECTIONAL	
						9				9	614	13360	9	EACH	OBJECT MARKER, TWO WAY	
										2	614	18601	2	SNMT	PORTABLE CHANGABLE MESSAGE SIGN, AS PER PLAN	3
						0.1				0.1	614	21200	0.1	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	
						0.05				0.05	614	22200	0.05	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I	
						24				24	614	26400	24	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	
										400	622	41100	400	FT	PORTABLE BARRIER, UNANCHORED	
INCIDENTALS																
										LUMP	614	11000	LS		MAINTAINING TRAFFIC	
										LUMP	624	10000	LS		MOBILIZATION	

CALCULATED JW CHECKED DJG	GENERAL SUMMARY	WIL-2-11.82 BRIDGE PAINTING
------------------------------------	-----------------	--------------------------------