

REPLACEMENT SIGNS

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO THE APPROVAL OF THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

RTA BUS STOP ACCESS

THIS WORK SHALL BE IN CONJUNCTION WITH ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN AND ALL COSTS INCURRED FOR THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC. NO ADDITIONAL PAYMENTS WILL BE MADE. ACCESS TO ALL GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY (GCRTA) BUS STOPS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

THE PROJECT SPONSOR OR CONTRACTOR SHOULD CONTACT GCRTA AND PROVIDE A WRITTEN NOTIFICATION FOURTEEN (14) DAYS PRIOR TO ANY CONSTRUCTION THAT WILL AFFECT NEARBY BUS STOPS OR SERVICE.

THE CONTRACTOR SHALL NOTIFY GCRTA AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE OF ALL STREET CLOSURES AFFECTING TRANSIT OPERATIONS REGARDLESS OF THE DURATION OF THE CLOSURE.

THE CONTRACTOR SHALL WORK WITH GCRTA TO ESTABLISH AN APPROVED TEMPORARY BUS STOP LOCATION.

GCRTA WILL PROVIDE AND POST THE APPROPRIATE TEMPORARY BUS STOP SIGNAGE.

THE CONTRACTOR SHALL NOTIFY GCRTA AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE OF CONSTRUCTION COMPLETION SO THAT PERMANENT BUS STOP SIGNS CAN BE RE-INSTALLED BY GCRTA.

CONTRACTOR MAY NOT REMOVE ANY BUS STOP SIGNS WITHOUT PRIOR AUTHORIZATION FROM GCRTA.

TEMPORARY PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED PER THE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND DETAILS SHOWN ON SHEETS 22 THROUGH 28. 642 PAINT SHALL BE UTILIZED FOR ALL TEMPORARY PAVEMENT MARKINGS WITHIN THE LIMITS OF PAVING WORK. REMOVABLE MARKINGS PER ODOT 740.06 TYPE I SHALL BE USED OUTSIDE THE PAVING LIMITS.

AT LOCATIONS WHERE THE NEW PAVEMENT HAS BEEN INSTALLED AT THE INTERSECTIONS AND THE PHASE IS COMPLETED AND THE MOT ITEMS REMOVED, THE SIDEWALK HAS BEEN REOPENED TO PEDESTRIANS AND PRIOR TO THE SURFACE ASPHALT COURSE BEING INSTALLED, THE CONTRACTOR SHALL INSTALL TEMPORARY CROSSWALK AND STOP LINES AT ALL INTERSECTIONS.

ESTIMATED QUANTITIES FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED FOR USE AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC AND ARE FOR ESTIMATING PURPOSES ONLY:

614 WORK ZONE CENTER LINE, CLASS I	1.72 MILE
614 WORK ZONE EDGE LINE, CLASS I	1.74 MILE
614 WORK ZONE CENTER LINE, 740.06, TYPE I	.26 MILE
614 WORK ZONE EDGE LINE, 740.06, TYPE I	.26 MILE
614 WORK ZONE STOP LINE, CLASS I	160 FT
614 WORK ZONE CROSSWALK, CLASS I	600 FT

740.06, TYPE I WORK ZONE PAVEMENT MARKINGS SHALL BE USED ON THE BRIDGE.

FAILURE TO COMPLY

IF THERE IS ANY FAILURE TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL, AS OUTLINED IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE ODOT, THE ROADWAY IN THE VICINITY OF THE WORK AREA SHALL NOT BE CONSIDERED IN A CONDITION FOR SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE ROADWAY IN THE VICINITY OF THE WORK AREA IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

CONSTRUCTION ADJACENT TO DRIVES

ACCESS TO COMMERCIAL AND HANDICAP PROPERTY SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR SHALL MAKE REASONABLE PROVISIONS TO ALLOW RESIDENTIAL ACCESS AT ALL TIMES OR OTHERWISE ALLOW RESIDENTS TO PARK SAFELY WITHIN THE PROJECT WORK LIMITS WHEN ACCESS IS NOT POSSIBLE; ALL AT

THE APPROVAL/DIRECTION OF THE ENGINEER. THE MAXIMUM OUT OF SERVICE TIME FOR ANY RESIDENTIAL DRIVE SHALL BE SEVEN (7) DAYS. THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN COMMERCIAL, HANDICAP AND RESIDENTIAL ACCESS AND/OR SAFE PARKING AREAS FOR RESIDENTS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR "ITEM 614 - MAINTAINING TRAFFIC"; EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS/QUANTITIES ADDITIONALLY PROVIDED IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS).

THE CONTRACTOR SHALL PLAN/STAGE ALL WORK TO MAINTAIN SAFE ACCESS TO COMMERCIAL AND HANDICAP PROPERTY AT ALL TIMES AND TO MAINTAIN SAFE ACCESS TO RESIDENTIAL PROPERTY OR PROVIDE SAFE PARKING WITHIN REASONABLE PROXIMITY TO RESIDENTIAL PROPERTY WHEN ACCESS IS UNAVAILABLE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH OUTLINES HIS/HER STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS TO COMMERCIAL, HANDICAP AND RESIDENTIAL PROPERTY AND/OR FOR ALLOWING RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE. EXCEPT AS NOTED ABOVE, ALL ASSOCIATED COSTS SHALL BE INCLUDED UNDER "ITEM 614 - MAINTAINING TRAFFIC" AS PER PLAN."

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 ODOT INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE ODOT, 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:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE ODOT, 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:

WHEN CONSTRUCTION VEHICLES ARE ENTERING/EXITING THE ZONE DIRECTLY FROM/INTO AN OPEN LANE OF TRAFFIC. IF A LANE HAS BEEN CLOSED TO PROVIDE AN ACCELERATION/DECELERATION LANE FOR THE VEHICLE, THE LEO WILL NOT BE REQUIRED.

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	<u>100 HOURS (60 HOURS)</u>
--	-----------------------------

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.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER	<u>20 M GAL (10 M GAL)</u>
ITEM 616, CALCIUM CHLORIDE	<u>2 TON (1 TON)</u>

G:\2019\19-245 CLE W 14TH STREET REHABILITATION.Dwg Sat\19-245-PG-13 MOT Notes 3.dwg 02-Jul-20 2:50 PM

CALCULATED
AWD
CHECKED
AKB

MAINTENANCE OF TRAFFIC NOTES

CUY - W. 14TH ST.

G:\2019\19-245 CLE W 14TH STREET REHABILITATION\19-245-PG-18 General Summary2.dwg 15-Sep-20 9:55 AM

SHEET NUMBER							PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	11	12	13	14	15	01/MPO/PV	01/NFP/PV							
TRAFFIC CONTROL														
0.60						0.60		644	50400	0.60	MILE	PAVEMENT MARKING, MISC.: BIKE LANE LINE		
0.22						0.22		644	50400	0.22	MILE	PAVEMENT MARKING, MISC.: BIKE LANE DOTTED		
18						18		644	01630	18	EACH	BIKE LANE SYMBOL MARKING		
1,148						1148		644	00400	1148	FT	CHANNELIZING LINE, 8"		
275						275		644	01514	275	FT	DOTTED LINE, 8"		
0.60						0.60		644	00300	0.60	MILE	CENTER LINE		
1.19						1.19		644	00100	1.19	MILE	EDGE LINE, 4"		
0.05						0.05		644	00200	0.05	MILE	LANE LINE, 4"		
0.06						0.06		644	00200	0.06	MILE	LANE LINE, 4", DOTTED		
8						8		644	19000	8	EACH	SHARED LANE MARKING		
177						177		644	00500	177	FT	STOP LINE		
1,441						1441		644	00700	1441	FT	TRANSVERSE/DIAGONAL MARKING		
751						751		644	00600	751	FT	CROSSWALK LINE		
16						16		644	01300	16	EACH	LANE ARROW		
20						20		646	90000	20	FT	PAVEMENT MARKING MISC.: BIKE LANE LINE		
0.03						0.03		646	90010	0.03	MILE	PAVEMENT MARKING MISC.: BIKE LANE DOTTED		
8						8		646	20600	8	EACH	BIKE LANE SYMBOL MARKING		
2,080						2080		646	10300	2080	FT	CHANNELIZING LINE, 8"		
80						80		646	20506	80	FT	DOTTED LINE, 8"		
0.12						0.12		646	10200	0.12	MILE	CENTER LINE		
0.08						0.08		646	10000	0.08	MILE	EDGE LINE, 4"		
421						421		646	10600	421	FT	TRANSVERSE/DIAGONAL LINE		
MAINTENANCE OF TRAFFIC														
			100			100		614	11110	100	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	13	
		100				100		614	13000	100	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	12	
		3.5				3.5		614	18601	3.5	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	12	
			1.72			1.72		614	21000	1.72	MILE	WORK ZONE CENTER LINE, CLASS I		
			1.74			1.74		614	21200	1.74	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I		
			0.26			0.26		614	22000	0.26	MILE	WORK ZONE EDGE LINE, CLASS I, 4"		
			0.26			0.26		614	22200	0.26	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I		
			160			160		614	26000	160	FT	WORK ZONE STOP LINE, CLASS I		
			600			600		614	27000	600	FT	WORK ZONE CROSSWALK LINE, CLASS I		
			20			20		616	10000	20	MGAL	WATER	13	
			2			2		616	20000	2	TON	CALCIUM CHLORIDE	13	
INCIDENTALS														
	LS					LS		614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	11	
3.5						3.5		619	16011	3.5	MNTH	FIELD OFFICE, TYPE B, AS PER PLAN	10	
LS						LS		623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	10	
LS						LS		624	10000	LS		MOBILIZATION		

GENERAL SUMMARY

CUI - W. 14TH ST.