

- 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 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).
- FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:  
ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND

AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,

AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

“WITHOUT POSITIVE PROTECTION” MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS “WITHOUT POSITIVE PROTECTION”. FOR WORK ZONES, USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR

THE ACTIVE WORK AREA Laterally CLOSEST TO THE OPEN TRAVELED LANE; OR

OTHER LOCATION AS APPROVED BY THE ENGINEER.

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03. 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. 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 THAT 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.

LAW ENFORCEMENT OFFICERS (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). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614-LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.....100 HOURS

THE HOURS PAID SHALL INCLUDE 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 A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614-LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**ITEM 630-SIGN ERECTED, EXTRUSHEET, AS PER PLAN**

THIS SIGN IS BEING STORED AT THE WARRENSVILLE FULL SERVICE MAINTENANCE FACILITY LOCATED AT 25809 EMERY RD., WARRENSVILLE HTS. (ALONGSIDE I-271 AT SR-175). IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE MEN AND EQUIPMENT TO PICK UP AND TRANSPORT THE MATERIAL TO THE WORK LOCATION AS NOTED IN THE PLAN. THE CONTRACTOR SHALL GIVE THE WARRENSVILLE MAINTENANCE YARD A 48 HOUR NOTICE PRIOR TO PICK UP OF ANY MATERIAL.



SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	9	10	11	12	13	14	15	16	17	01/NFP/21	02/SAF/21							
								<b>TRAFFIC CONTROL</b>											
				30								30		630	03100	30	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
										6		6		630	06401	6	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7, AS PER PLAN	4
							24	12				36		630	06501	36	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9, AS PER PLAN	4
										28		28		630	07601	28	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12, AS PER PLAN	4
												1		630	35501	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 6, AS PER PLAN	4
		53	49	57	39	47	27	18	28	28		355	26	630	75000	381	EACH	SIGN ATTACHMENT ASSEMBLY	
								1				1		630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
		12.5	30.5	12.5	14.38	8.19	22.57	8.19	7.19	189.57		305.59		630	80100	305.59	SF	SIGN, FLAT SHEET	
		211	243	239	597	222.5	551.5	781	728	569		4,493		630	80200	4,493	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
		2,083	2,698	3,467	1,819.5	2,081	1,190.5	555.5	729	1,139		16,161.5	1,155	630	80224	17,316.5	SF	SIGN, OVERHEAD EXTRUSHEET	
				88								88		630	81201	88	SF	SIGN ERECTED, EXTRUSHEET, AS PER PLAN	7
		2	3									8		630	82000	8	EACH	SIGN BACKING ASSEMBLY	
		5	5	4	14	9	18	23	11	12		103		630	84900	103	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
										1		1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
		1	3	2	2	1	4	5	6	9		40		630	85400	40	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
							4	2				6		630	86103	12	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL, AS PER PLAN	4
										1		5		630	86310	5	EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL	
		2	3									16		630	87100	16	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION	
		23	19	19	12	15	10	7	8	9		125	3	630	87401	128	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL, AS PER PLAN	4
												1		630	89802	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65	
								<b>MAINTENANCE OF TRAFFIC</b>											
100												90	10	614	11110	100	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	100											100		630	97800	100	SF	SIGNING, MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY ENGINEER	6
								<b>INCIDENTALS</b>											
												LS		614	11000	LS		MAINTAINING TRAFFIC	
												LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

FLK

REVIEWER

FLK 10/31/23

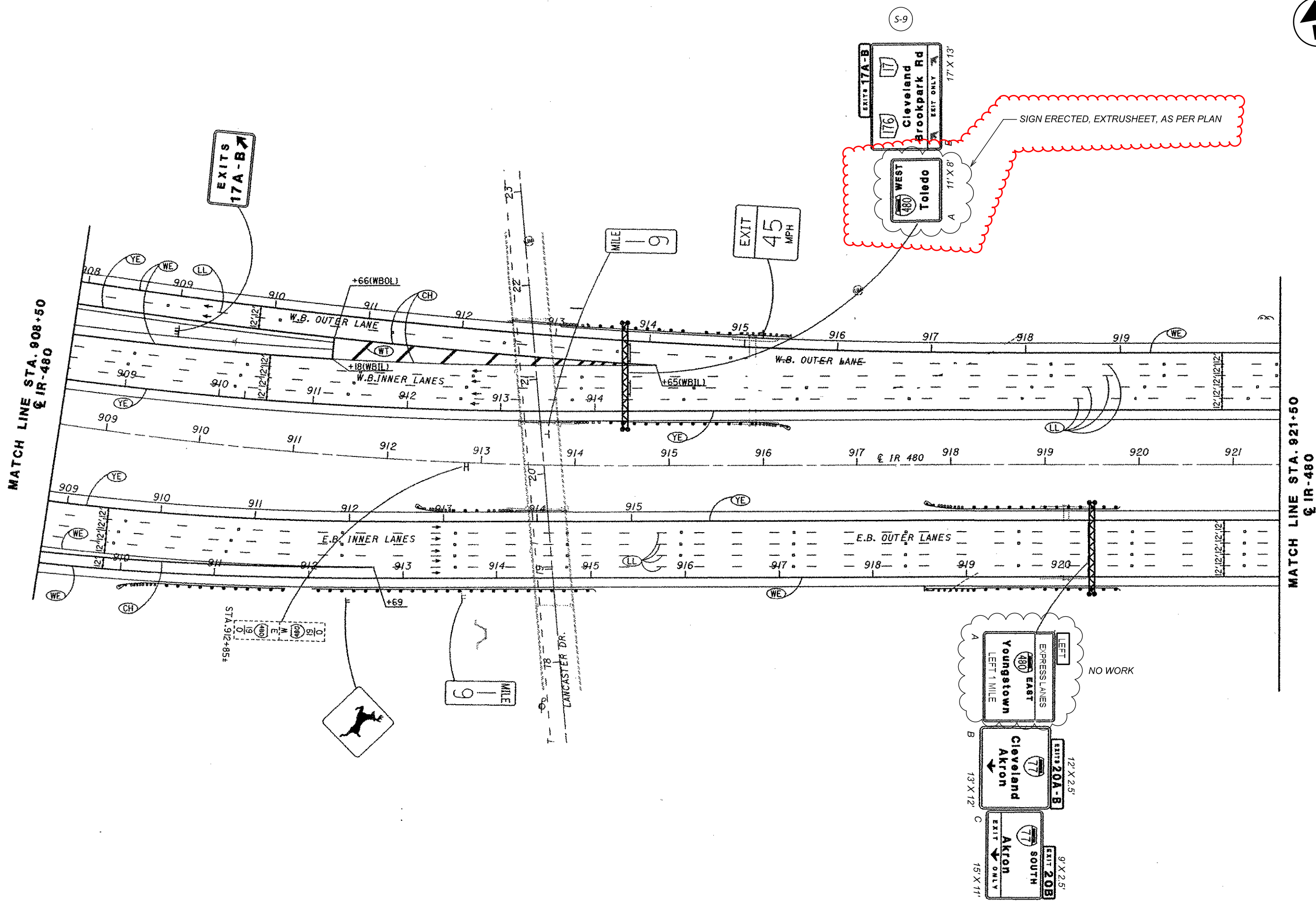
PROJECT ID

107325

SHEET TOTAL

P.8 87





HORIZONTAL SCALE IN FEET  
0 NOT TO SCALE

LOCATION NO. 2  
IR-480, SR-17 (GRANGER RD.) TO IR-271

DESIGN AGENCY	
DESIGNER	FLK
REVIEWER	FLK 09/13/23
PROJECT ID	107325
SHEET TOTAL	P.31 87

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