

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE
 ITEM DURATION SIGN DISPLAYED
 OF CLOSURE TO PUBLIC

RAMP & >=2 WEEKS 14 CALENDAR DAYS
 PRIOR TO CLOSURE

ROAD > 12 HOURS 7 CALENDAR DAYS
 & < 2 WEEKS PRIOR TO CLOSURE

CLOSURES <= 12 HOURS 2 BUSINESS DAYS
 PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

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.

614E20100	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	2 MILE
614E21100	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	1 MILE
614E23200	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	520 FT
614E26200	WORK ZONE STOP LINE, CLASS I, 642 PAINT	340 FT
614E27050	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	2300 FT
614E30200	WORK ZONE ARROW, CLASS I, 642 PAINT	10 EACH

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW	
			START	END
ALL WORK INVOLVED WITH THE RAISED INTERSECTION REQUIRING USE OF THE WASHINGTON ROAD CLOSURE 	10	\$3,500.00	CONTRACT EXECUTION DATE	PROJECT COMPLETION DATE
ALL WORK INVOLVED WITH THE RAISED CROSSWALK REQUIRING THE USE OF THE HIGBEE STREET ROAD CLOSURE 	10	\$3,500.00	CONTRACT EXECUTION DATE	PROJECT COMPLETION DATE
ALL WORK INVOLVED WITH THE RAISED CROSSWALK REQUIRING THE USE OF THE OLIVETTE ROAD CLOSURE 	10	\$3,500.00	CONTRACT EXECUTION DATE	PROJECT COMPLETION DATE

DESIGN AGENCY



DESIGNER
 CDS

REVIEWER
 CFD 01-17-23

PROJECT ID
 114697

SHEET TOTAL
 9A | 64

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	9	17	18	19	20	21	22		12A	12B		01/SAF/28	EXT	TOTAL				
					6,448							6,448	644	30000	6,448	FT	TRAFFIC CONTROL REMOVAL OF PAVEMENT MARKING	
					13							13	644	30020	13	EACH	REMOVAL OF PAVEMENT MARKING	
					3							3	644	30030	3	MILE	REMOVAL OF PAVEMENT MARKING	
																	TRAFFIC SIGNALS	
			2									2	632	20730	2	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	
			1									1	632	26000	1	EACH	PEDESTRIAN PUSHBUTTON	
			50									50	632	40500	50	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
													LS	632	62830	LS	INTERCONNECT, MISC.:REMOVAL	6
			5	7								12	632	64020	12	EACH	PEDESTAL FOUNDATION	
			1									1	632	89900	1	EACH	PEDESTAL, 8', TRANSFORMER BASE	
				1								1	632	89750	1	EACH	PEDESTAL, 15'	
																	MAINTENANCE OF TRAFFIC	
	180											LS	614	11000	LS		MAINTAINING TRAFFIC	9
												180	614	11110	180	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	9
												LS	614	12420	LS		DETOUR SIGNING	9
												2	614	20100	2	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	9A
												1	614	21100	1	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	9A
												520	614	23200	520	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	9A
												340	614	26200	340	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	9A
												2,300	614	27050	2,300	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	9A
												10	614	30200	10	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	9A
																	INCIDENTALS	
												LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS	624	10000	LS		MOBILIZATION	
				1	9							10	630	97700	10	EACH	SIGNING, MISC.:ITEM SPECIAL: MULTI SPACE METER	5
										5		5	SPECIAL	63820500	5	EACH	VALVE BOX ADJUSTED TO GRADE, GAS VALVE	

GENERAL SUMMARY

DESIGN AGENCY

 143 Engineers
 DESIGNER
 CDS
 REVIEWER
 CFD 01-17-23
 PROJECT ID
 114697
 SHEET TOTAL
 10A 64

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	632	632	632	632	632	632		
							CONDUIT, 2", 725.04	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN HANGER ASSEMBLY, SPAN WIRE	SIGN ATTACHMENT ASSEMBLY, MAST ARM	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	SIGN POST REFLECTOR	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	SIGNING, MISC.: SURFACE MOUNTED R1-6 PEDESTRIAN CROSSING SIGNS	SIGNING, MISC.: SOLAR POWERED RADAR FEEDBACK SIGN	SIGNING, MISC.: ITEM SPECIAL: MULTI SPACE METER	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	PEDESTRIAN PUSHBUTTON	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG, AS PER PLAN	PEDESTAL FOUNDATION	PEDESTAL, 8', TRANSFORMER BASE	PEDESTAL, 15'							
							FT	FT	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH			
S-1	51	HARRISON ROAD	53+66	RT	W4-2R-36	36 x 36		14				9																		
S-2	51	HARRISON ROAD	54+73	RT	S5-3-24	24 x 30		13				5																		
S-3	51	HARRISON ROAD	55+88	RT	W11-2-30	30 x 30						6.25																		
S-3a	51	HARRISON ROAD	55+88	RT	W16-7pL-24	24 X 12		14				2																		
S-4	51	HARRISON ROAD	56+05	LT	W11-2-30	30 x 30						6.25																		
S4a	51	HARRISON ROAD	56+05	LT	W16-7pL-24	24 X 12						2																		
S-5	51	HARRISON ROAD	56+15	RT	R2-2-30	30 x 36						6.25																		
S-6	51	HARRISON ROAD	56+15	RT	FEEDBACK	EXISTING						1																		
S-7	51	HARRISON ROAD	56+10	LT	R-3-5P-30	30 x 12						2.5																		
S-7a	51	HARRISON ROAD	56+10	LT	R3-5a-30	30 x 36			1			7.5																		
S-8	51	HARRISON ROAD	56+09	LT	R-3-5P-30	30 x 12						2.5																		
S-8a	51	HARRISON ROAD	56+09	LT	R3-5R-30	30 x 36			1			7.5																		
S-9	51	HARRISON ROAD	57+05	RT	R7-107a-12	12 x 18		13				1.5																		
S-10	51	HARRISON ROAD	57+42	LT	W16-9p-24	24 x 12						2																		
M-1	51	HARRISON ROAD	57+96	LT	-	-																								
S-11	51	HARRISON ROAD	59+61	LT	R1-6-12	12 x 36																								
RRFB-1	51	HARRISON ROAD	59+59	LT	-	-																								
RRFB-2	51	HARRISON ROAD	59+76	RT	-	-																								
S-13	51	WASHINGTON AVE.	50+43	LT	R1-1-30	30 x 30		13				6.5		1																
S-14	52	HARRISON ROAD	61+15	LT	R7-107a-12	12 x 18		12				1.5																		
M-2	52	HARRISON ROAD	63+57	LT	-	-																								
S-15	52	HARRISON ROAD	63+64	LT	W11-2-30	30 x 30						6.5																		
S-15a	52	HARRISON ROAD	63+64	LT	W16-7pL-24	24 x 12		14				2																		
M-3	52	HARRISON ROAD	63+75	RT	-	-																								
S-16	52	HARRISON ROAD	63+80	RT	W11-2-30	30 x 30						6.5																		
S-16a	52	HARRISON ROAD	63+80	RT	W16-7pL-24	24 x 12		14				2																		
RRFB-3	52	HARRISON ROAD	64+37	LT	-	-																								
S-17	52	HARRISON ROAD	64+50	CL	R1-6-12	12 x 36																								
RRFB-4	52	HARRISON ROAD	64+64	RT	-	-																								
M-4	52	HARRISON ROAD	64+67	RT	-	-																								
S-19	53	HARRISON ROAD	66+79	RT	W11-2-30	30 x 30						6.5																		
S-19a	53	HARRISON ROAD	66+79	RT	W16-7pL-24	24 x 12		14				2																		
S-20	53	HARRISON ROAD	66+96	LT	W11-2-30	30 x 30						6.5																		
S-20a	53	HARRISON ROAD	66+96	LT	W16-7pL-24	24 x 12		14				2																		
S-71	53	HARRISON ROAD	67+85	RT	EXISTING	EXISTING		12																						
M-6	53	HARRISON ROAD	68+47	RT	-	-																								
M-5	53	HARRISON ROAD	68+56	LT	-	-																								
S-21	53	HARRISON ROAD	69+88	RT	R3-H8bb-30	30 x 30		13				6.5																		
S-22	53	HARRISON ROAD	70+45	LT	R10-11b-30	30 x 30						6.5																		
S-72	53	HARRISON ROAD	70+51	LT	R4-8b-24	24 x 30		13				3																		
S-23	53	HARRISON ROAD	70+60	RT	R10-11b-30	30 x 30						6.5																		
S-24	53	HARRISON ROAD	71+07	LT	R10-11b-30	30 x 30						6.5																		
S-25	53	HARRISON ROAD	71+07	RT	R10-11b-30	30 x 30						6.5																		
PS-4	53	HARRISON ROAD	71+73 TO 71+76	RT				3																						
S-26	54	HARRISON ROAD	71+73	LT	R3-H8ba-30	30 x 30		13				6.5																		
M-8	54	HARRISON ROAD	74+25	RT	-	-																								
S-27	54	HARRISON ROAD	74+51	RT	W11-2-30	30 x 30						6.5																		
S-27a	54	HARRISON ROAD	74+51	RT	W16-7pL-24	24 x 12		14				2																		
S-28	54	HARRISON ROAD	74+53	LT	W11-2-30	30 x 30						6.5																		
S-28a	54	HARRISON ROAD	74+53	LT	W16-7pL-24	24 x 12		14				2																		
S-30	55	HARRISON ROAD	76+62	LT	W11-2-30	30 x 30						6.5																		
S-30a	55	HARRISON ROAD	76+62	LT	W16-7pL-24	24 x 12		14				2																		
S-31	55	HARRISON ROAD	76+63	RT	W11-2-30	30 x 30						6.5																		
S-31a	55	HARRISON ROAD	76+63	RT	W16-7pL-24	24 x 12		14				2																		
S-32	55	HARRISON ROAD	77+15	LT	R7-1-12	12 x 18						1.5																		
S-33	55	HARRISON ROAD	77+55	LT	R7-107a-12	12 x 18						1.5																		
S-34	55	HARRISON ROAD	78+39	LT	R7-1-12	12 x 18						1.5																		
M-9	55	HARRISON ROAD	79+14	RT	-	-																								
M-10	55	HARRISON ROAD	79+49	LT	-	-																								
TOTALS CARRIED TO GENERAL SUMMARY							3	269	2	4	4	183	1	4	2															

SIGNING SUBSUMMARY

DESIGN AGENCY



DESIGNER

CDS

REVIEWER

CFD 01-17-23

PROJECT ID

114697

SHEET

18

TOTAL

64

See Sheet 51 for Plan Legends



SIGNING AND PAVEMENT MARKING PLAN
STA. 66+00 TO STA. 71+50

DESIGN AGENCY



DESIGNER

CDS

REVIEWER

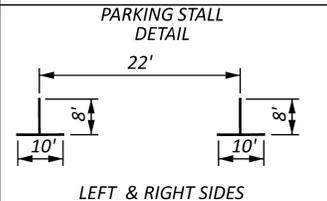
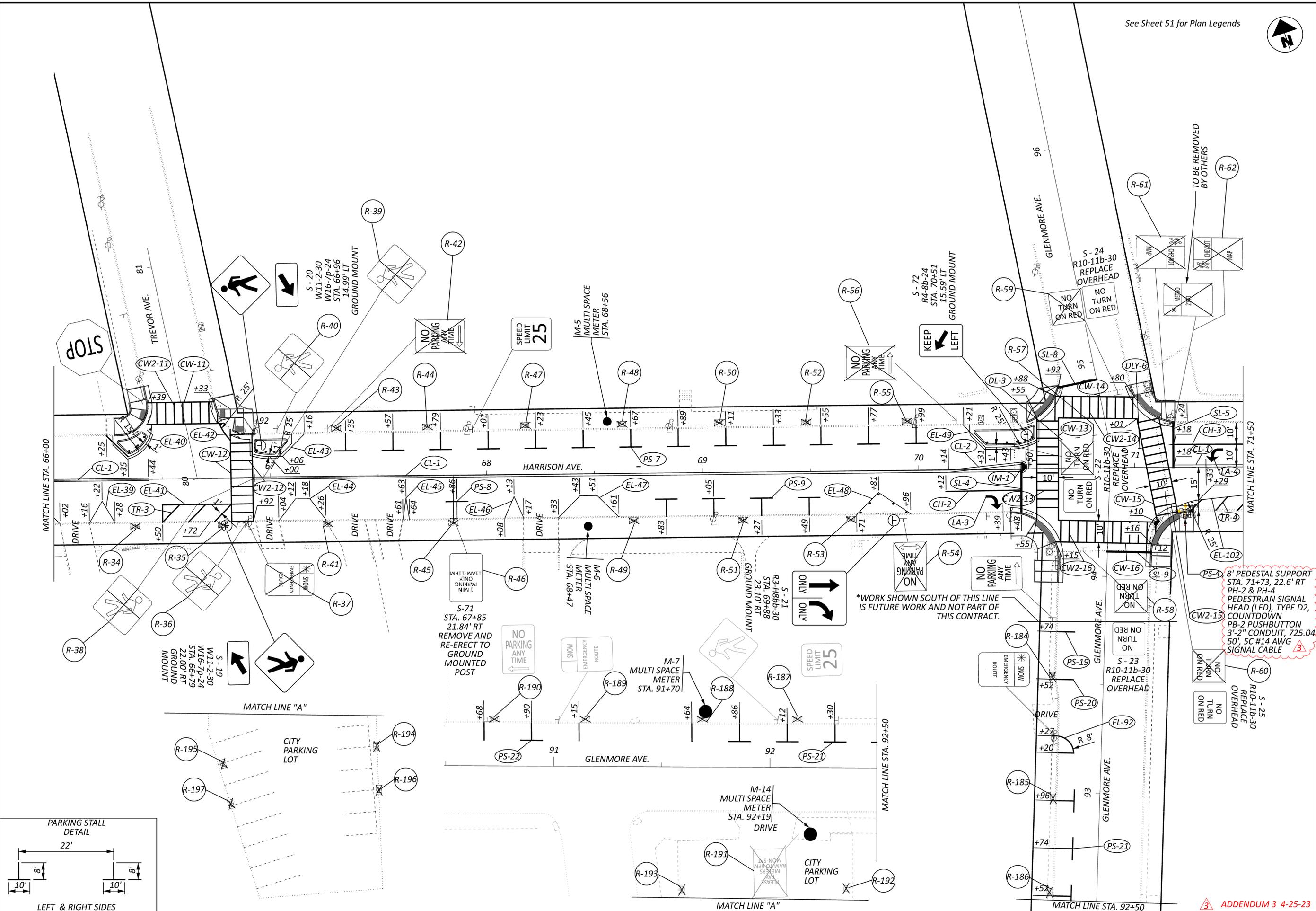
CFD 01-17-23

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SHEET TOTAL

53 64



8' PEDESTAL SUPPORT
STA. 71+73, 22.6' RT
PH-2 & PH-4
PEDESTRIAN SIGNAL
HEAD (LED), TYPE D2,
COUNTDOWN
PB-2 PUSHBUTTON
3'-2" CONDUIT, 725.04
50', 5C #14 AWG
SIGNAL CABLE

*WORK SHOWN SOUTH OF THIS LINE
IS FUTURE WORK AND NOT PART OF
THIS CONTRACT.

ADDENDUM 3 4-25-23