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.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (CONT.)

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 48 SIGN MONTHS ASSUMING 8 PCMS SIGN(S) FOR 6 MONTH(S)

COORDINATION WITH ADJACENT PROJECTS

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS. THE FRA-605-1.71 (PID 121483) RESURFACING PROJECT IS SCHEDULED TO TAKE PLACE IN FY2027 AND MAY CONFLICT WITH THE PLANNED DETOUR ROUTE. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE.

ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS)*, AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM.

ITEM 614 - DETOUR SIGNING

SIZE AND PLACEMENT OF DETOUR SIGNS (M4-9) SHOULD FOLLOW THE REQUIREMENTS OF THE OMUTCD SECTION 6F.03, SECTION 2A.11 AND TABLE 6F-01.

DETOUR SIGNING SHALL PROVIDE DRIVERS ADEQUATE TIME TO CLEARLY READ THE SIGNS AND MAKE THE PROPER DECISIONS AT EACH REQUIRED TURNING MOVEMENT. THE DESIGNATED DETOUR ROUTE SHALL BE SIGNED IN ACCORDANCE WITH THE REQUIREMENTS BELOW:

- APPROXIMATELY 1500 FEET PRIOR TO TIP OF THE PAINTED GORE AT AN INTERCHANGE WHEN EXITING A HIGH SPEED (45 MPH OR HIGHER) FACILITY.

- AT OR NEAR THE EXISTING SIGN IN THE GORE OF AN INTERCHANGE RAMP .

- AT OR NEAR THE FIRST EXISTING LANE ASSIGNMENT SIGN ON AN INTERCHANGE EXIT RAMP.

- AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT THE END OF AN EXIT RAMP.

- APPROXIMATELY 500 FEET PRIOR TO A REQUIRED TURN AT AN INTERSECTION NOT CONTROLLED BY A STOP SIGN (FOR 45 MPH OR HIGHER ONLY).

- AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT AN INTERSECTION.

- EVERY TWO MILES ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS OUTSIDE A CITY.

- EVERY TWO BLOCKS ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS WITHIN A CITY.

- AT ANY OTHER INTERSECTION OR DECISION POINT WHERE THE DETOUR ROUTE IS CONTRARY TO THE NORMAL, EXPECTED TURNING MANEUVER OR OTHERWISE UNCLEAR.

DETOUR SIGNS SHALL BE PLACED, WHEN POSSIBLE, NEXT TO BUT NOT BLOCKING EXISTING ROUTE MARKERS OR LANE ASSIGNMENT SIGNS. DETOUR SIGNS SHALL NOT OBSCURE OR BE OBSCURED BY OTHER EXISTING OR TEMPORARY SIGNS.

DETOUR SIGNS SHALL BE ERECTED AND/OR UNCOVERED PRIOR TO THE ROAD OR RAMP BEING CLOSED TO TRAFFIC BUT NO EARLIER THAN FOUR HOURS PRIOR TO THE CLOSURE. DETOUR SIGNS SHALL BE COVERED AND/OR REMOVED NO LATER THAN FOUR HOURS FOLLOWING THE ROAD OR RAMP RE-OPENING TO TRAFFIC.

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, PROPER SIGN PLACEMENT AND SIZING, TIMELY ERECTING AND/OR UNCOVERING OF SIGNS, MAINTAINING SIGNS, AND TIMELY COVERING AND/OR REMOVING SIGNS AND SUPPORTS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, DETOUR SIGNING	LUMP SUM

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV, THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT D06.MOT@DOT.OHIO.GOV AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THIS ROUTE IS SHOWN ON SHEET P.015. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTE.

ITEM 301, ASPHALT CONCRETE BASE, PG 64-22	50 CU. YD.
ITEM 304, AGGREGATE BASE	50 CU. YD.
ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG 64-22	100 CU. YD.
ITEM 407, TACK COAT	100 GAL.
ITEM 642, CENTER LINE, TYPE 1	0.74 MILE

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
2LMN
DESIGNER
BPT
REVIEWER
EMW 05/18/26
PROJECT ID
120539
SHEET P.014 TOTAL 117

DEL/LIC-37-28.98/0.00

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 11/11/2026 TIME: 9:25:05 AM USER: Brandon_Totman
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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.012A	P.020	P.022	P.023	P.024	P.078	P.090	P.103						01/SAF		EXT	TOTAL			
																		DRAINAGE	
			2										2	602	20000	2	CY	CONCRETE MASONRY	
				509									509	605	05200	509	FT	4" UNCLASSIFIED PIPE UNDERDRAINS	
				3,209									3,209	605	06000	3,209	FT	4" BASE PIPE UNDERDRAINS	
			553										553	605	06001	553	FT	4" BASE PIPE UNDERDRAINS, AS PER PLAN	P.090
						218							218	605	31100	218	FT	AGGREGATE DRAINS	
			330										330	611	00200	330	FT	4" CONDUIT, TYPE C	
			36										36	611	00406	36	FT	4" CONDUIT, TYPE F	
				158									158	611	00410	158	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
20													20	611	00900	20	FT	6" CONDUIT, TYPE B	
20													20	611	01400	20	FT	6" CONDUIT, TYPE E	
20													20	611	01500	20	FT	6" CONDUIT, TYPE F	
			182										182	611	04900	182	FT	12" CONDUIT, TYPE D	
			76										76	611	52300	76	FT	19" X 30" CONDUIT, TYPE A, 706.04	
			101										101	611	52302	101	FT	19" X 30" CONDUIT, TYPE B, 706.04	
			2										2	611	97200	2	EACH	CONDUIT, MISC.: 6" HINGED FLAP GATE, AS PER PLAN	P.090
			1										1	611	98540	1	EACH	CATCH BASIN, NO. 2-4	
				13									13	611	99710	13	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
		1,979											1,979	301	56000	1,979	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
		2,481			62								2,543	304	20000	2,543	CY	AGGREGATE BASE	
		1,219											1,219	407	20000	1,219	GAL	NON-TRACKING TACK COAT	
					12								12	441	70500	12	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
		423											423	442	10001	423	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	P.012
		493											493	442	20170	493	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	
		58											58	452	10010	58	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		758											758	452	10011	758	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	P.012
		476											476	452	12011	476	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	P.012
	4,579												4,579	609	12000	4,579	FT	COMBINATION CURB AND GUTTER, TYPE 2	
	277												277	609	24000	277	FT	CURB, TYPE 4-A	
	2,031												2,031	609	26000	2,031	FT	CURB, TYPE 6	
	352												352	609	31000	352	FT	COMBINATION CURB AND GUTTER, TYPE 9	
	228												228	609	31001	228	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN	P.010
																		LIGHTING	
							24						24	625	00450	24	EACH	CONNECTION, FUSED PULL APART	
							9						9	625	00480	9	EACH	CONNECTION, UNFUSED PERMANENT	
							12						12	625	10490	12	EACH	LIGHT POLE, CONVENTIONAL, AT 15B30	
							12						12	625	14000	12	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
							5,400						5,400	625	23200	5,400	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
							360						360	625	23400	360	FT	NO. 10 AWG POLE AND BRACKET CABLE	
							1,403						1,403	625	25500	1,403	FT	CONDUIT, 3", 725.04	
							197						197	625	25902	197	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
							12						12	625	26252	12	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), TYPE III, 10000 - 24000 LUMENS	
							1,403						1,403	625	29000	1,403	FT	TRENCH	
							7						7	625	30700	7	EACH	PULL BOX, 725.08, 18"	
							1						1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
							12						12	625	32000	12	EACH	GROUND ROD	
							1						1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.102
							1,403						1,403	625	36010	1,403	FT	UNDERGROUND WARNING/MARKING TAPE	

GENERAL SUMMARY

DEL/LIC-37-28.98/0.00

MODEL: GenSum Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 11/11/2026 TIME: 6:43:21 AM USER: jiwilson
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DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER
JIW

REVIEWER
DJ 05/20/26

PROJECT ID
120539

SHEET P.017 TOTAL 117

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.013	P.014	P.092	P.093	P.094									01/SAF						
																		TRAFFIC CONTROL	
			486	90									576	630	03100	576	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			8										8	630	08600	8	EACH	SIGN POST REFLECTOR	
			239.2	36.2									275.4	630	80100	275.4	SF	SIGN, FLAT SHEET	
			15	2									17	630	84900	17	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
			17	2									19	630	86002	19	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		0.42											0.42	644	00100	0.42	MILE	EDGE LINE, 4", YELLOW	
		0.18											0.18	644	00104	0.18	MILE	EDGE LINE, 6", WHITE	
		0.44											0.44	644	00300	0.44	MILE	CENTER LINE, DOUBLE SOLID	
		284											284	644	00700	284	FT	TRANSVERSE/DIAGONAL LINE,12", YELLOW	
		213											213	644	01520	213	FT	DOTTED LINE, 12", WHITE	
		80											80	644	20800	80	FT	YIELD LINE	
																		MAINTENANCE OF TRAFFIC	
	50												50	301	56000	50	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
	50												50	304	20000	50	CY	AGGREGATE BASE	
	100												100	407	10000	100	GAL	TACK COAT	
	100												100	441	50000	100	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
120													120	614	11110	120	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	LS												LS	614	12420	LS		DETOUR SIGNING	
	48												48	614	18601	48	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.014
60													60	616	10000	60	MGAL	WATER	
	0.74												0.74	642	00300	0.74	MILE	CENTER LINE, TYPE 1	
																		INCIDENTALS	
LS													LS	614	11000	LS		MAINTAINING TRAFFIC	
													4	619	16010	4	MNTH	FIELD OFFICE, TYPE B	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER
JIW

REVIEWER
DJ 05/20/26

PROJECT ID
120539

SHEET P.018 TOTAL 117

DEL/LIC-37-28.98/0.00

MODEL: GenSum Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 11/11/2026 TIME: 6:47:07 AM USER: jlwilson
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