STATE OF MAINE DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

 \boxtimes

Town, Cou	nty, State ——	
Property L	ines	
R/W Lines	-Existing ——	
R/W Lines	-Proposed —	
Culvert-Ex	isting =====	
Culvert Pro	oposed	
Curbing	Existing	Proposed
Type 1	<u></u>	
Туре 3		
Type 5	6-1	
Outline of	Bodies of Water	· 1
Exposed B	edrock /=//=//=	//=//=//=//
Buildings -		
Trees	📲 Conifer 🛛 🗧	👌 Deciduous 👘
Tree Line	ᡊᠯᠵᠬᠯᠵᠬᠯᠵᠬᠯᠵᠬᠯᠵᠬᠯᠵᠬᠯᠵᠬᠯ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Clearing L	imit Line——CLI	CLL-
Boring -		
Existing O	verhead Line –	OHU
ITS Condu	ıit	
Electrical	Conduit	

Electrical Conduit
Fiber Optic Cable
ITS Controller Cabinet
Wireless Communication
CCTV
Infrared Detector
Pullbox
Meter Pedestal
Support Posts
Light Pole

Centerline-Existing
Centerline-Proposed
Travelway-Existing —————————
Travelway-Proposed
Railroad
Catch Basins III Existing I Proposed
Manholes \bigcirc Existing \bigcirc Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles ϕ Existing ϕ Proposed
Fire Hydrants 💿 Existing 🗿 Proposed
Existing Water Line ————————————————————————————————————
Existing San. Sewer
Existing San. Sewer Manhole 🛛 💿
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other
Existing Proposed

■PB

I-395 **VISUAL VERIFICATION SITE** I-395 FLASHING BEACON SIGN S Route 2/Route 200 **US ROUTE 2** L-395 **DETECTION SITE** I-395 **US ROUTE 2** DETECTION SITE FLASHING BEACON SIGN **ODLIN ROAD** FLASHING BEACON SIGN ODLIN ROAD DETECTION SITE



Divi



BANGOR

OVERHEIGHT VEHICLE DETECTION SYSTEM **FEDERAL PROJECT NO. 2612800 STATE WIN 026128.00**



	and the second
PROJECT LOCATION:	I-95 and I-3
PROGRAM AREA:	Traffic
OUTLINE OF WORK:	This project associated v system wes eastbound/



GENERAL NOTES:

- I. ALL WORK SHALL CONFORM TO THE 2020 EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD SPECIFICATIONS.
- 2. CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE 2020 EDITION OF THE MAINEDOT STANDARD DETAILS AND THE MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL (LATEST EDITION AND REVISIONS) UNLESS OTHERWISE INDICATED IN THESE PLANS.
- 3. NO FORMAL SURVEY WAS CONDUCTED FOR THE CONSTRUCTION OF THIS PROJECT. CONDUITS AND PULL BOXES WERE NOT ASSIGNED GPS COORDINATES. DESIGN WAS BASED ON AERIAL PHOTOGRAPHY. AND FIELD INVESTIGATION CONDUCTED BY MAINEDOT AND VHB.
- 4. ALL WORK SHALL OCCUR WITHIN THE EXISTING MAINEDOT RIGHTS-OF-WAY. ANY RIGHT-OF-WAY INFORMATION SHOWN ON THESE PLANS IS INTENDED FOR INFORMATIONAL PURPOSES ONLY.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ACTUAL ELEVATIONS AND MOUNTING HARDWARF FOR THE PROPOSED OVERHEIGHT VEHICLE DETECTION SYSTEM EQUIPMENT INSTALLATIONS.
- 6. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED AND SEEDED, UNLESS OTHERWISE DIRECTED BY THE RESIDENT. ALL PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR. COSTS FOR REPAIR OF DISTURBED AREAS SHALL BE INCIDENTAL TO OTHER CONTRACT ITEMS.

TEMPORARY TRAFFIC CONTROL:

- ALL TRAFFIC CONTROL EQUIPMENT, DEVICES, AND TEMPORARY TRAFFIC 1. CONTROLS SHALL CONFORM TO THE 2009 EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CHAPTER 6 AND THE LATEST EDITION OF THE MAINEDOT STANDARD DETAILS.
- 2. ALL TEMPORARY TRAFFIC CONTROL SIGNS, SIGN SUPPORT STRUCTURES. CHANNELIZING DEVICES. FLASHING ARROW PANELS (FAP). PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AND OTHER TRAFFIC CONTROL EQUIPMENT ALONG THE ROADSIDE SHALL MEET OR EXCEED MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) 2016. TEST LEVEL 3 (TL-3) IF MANUFACTURED AFTER DECEMBER 31. 2019. ALL OTHER TRAFFIC CONTROL EQUIPMENT SHALL MEET OR EXCEED NCHRP 350 TL-3.
- 3. ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL HAVE ASTM D4956 TYPE VII. TYPE VIII OR TYPE IX SUPER HIGH INTENSITY OR PRISMATIC FLUORESCENT RETROREFLECTIVE SHEETING AND SHALL BE MAINTAINED IN LIKE-NEW CONDITION. ALL ORANGE CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE WITH TYPE IX SHEETING. PLACEMENT OF CONSTRUCTION SIGNS SHALL BE ADJUSTED TO AVOID OBSTRUCTING EXISTING SIGNS AND TO ENSURE PROPER SIGHT LINES TO THE CONSTRUCTION SIGNS AS DETERMINED BY THE RESIDENT.
- 4. ANY SIGNS, EQUIPMENT, OR DEVICES FOUND TO BE DAMAGED OR UNSERVICEABLE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 5. ALL SHOULDER AND LANE CLOSURES SHALL REQUIRE APPROVAL OF THE RESIDENT A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF THE CLOSURE.
- 6. IF WORK IS TO BE CONDUCTED AT NIGHT. THE CONTRACTOR SHALL SUBMIT A LIGHTING PLAN FOR NIGHT WORK TO THE RESIDENT FOR APPROVAL.

EXISTING EQUIPMENT:

I. MAINEDOT SHALL HAVE FIRST RIGHTS TO ALL EQUIPMENT REMOVED OR REPLACED BY THE PROJECT (CONTACT LUKE LORRIMER AT 207-485-8723). THE CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ALL EQUIPMENT CLAIMED BY MAINEDOT NEAR THE EXISTING UTILITY BUILDING FOR RETRIEVAL BY MAINEDOT. ALL EQUIPMENT REMOVED THAT HAS COMPUTER CHIP TECHNOLOGY SHALL BE STORED IN AN INTERIOR HEATED ENVIRONMENT.

- 2. THE CONTRACTOR SHALL TEST EXISTING EARTH TO GROUND RESISTANCE AT EACH HARDWARE AND CABINET LOCATION TO ENSURE A MINIMUM OF 25 OHMS IS MET. IF ANY LOCATION DOES NOT MEET THE MINIMUM GROUNDING REQUIREMENTS. THE CONTRACTOR SHALL INSTALL AND CONNECT ADDITIONAL GROUND RODS TO MEET THE 25 OHMS OR THE MANUFACTURER'S GROUNDING RECOMMENDATION. WHICHEVER IS MORE STRINGENT. GROUND RODS AND CONNECTIONS SHALL FOLLOW ALL NEC GUIDELINES AND SHALL BE INCIDENTAL TO OTHER CONTRACT ITEMS.
- 3. THE CONTRACTOR SHALL CLEAN THE INTERIOR OF ALL EXISTING EQUIPMENT CABINETS TO REMAIN WITHIN THE PROJECT LIMITS. THE CABINET. INCLUDING ALL CABLING AND WIRING. SHALL APPEAR NEAT AND TIDY. THE CONTRACTOR SHALL REPLACE ALL ACCESSORY FOULPMENT IN EXISTING CABINETS THAT HAS FAILED AND/OR REACHED THE END OF USEFUL LIFE INCLUDING, BUT NOT LIMITED TO. FANS. HEATERS. SURGE PROTECTORS, FILTERS AND LIGHTBULBS.
- 4. THE CONTRACTOR SHALL LEAVE ONE COPY OF AS-BUILT PLANS.WIRING DIAGRAMS. CABINET BLOCK DIAGRAMS. AND EQUIPMENT MANUALS IN EACH EQUIPMENT CABINET.

PROPOSED EQUIPMENT

I. THE CLOSED CIRCUIT TELEVISION SYSTEM (CCTV) SHALL CONSIST OF TWO TYPES OF CAMERAS. ONE CAMERA TYPE SHALL BE FIXED FOCUS TO RECORD LICENSE PLATE INFORMATION WHEN THE OVERHEIGHT DETECTION SYSTEM IS TRIGGERED. ONE CAMERA TYPE SHALL BE TO RECORD SHORT VIDEO CLIPS TO IDENTIFY VEHICLES THAT TRIGGER THE OVERHEIGHT DETECTION SYSTEM AND VISUALLY VERIFY THE CAUSE OF THE VEHICLE BEING OVERHEIGHT. THIS PROJECT REQUIRES THREE CAMERAS TOTAL.

- 2. THE OVERHEIGHT INFRARED DETECTOR UNITS SHALL BE INSTALLED AT A HEIGHT OF 14-FEET. O-INCHES ABOVE PAVEMENT. MEASURED AT THE EDGE OF TRAVELED WAY. THE OVERHEIGHT INFRARED DETECTOR UNITS SHALL BE FIRMLY AND SECURELY ATTACHED TO THE SUPPORTS INDICATED IN THE PLANS.
- 3. THE CONTRACTOR SHALL WORK WITH SPECTRUM TO OBTAIN A CABLE DROP FROM UTILITY POLE 28DI/262252 ALONG ODLIN ROAD NEAR THE DUNKIN DRIVEWAY. THE CONTRACTOR SHALL INSTALL 3-INCH NON-METALLIC CONDUIT FROM THE UTILITY BUILDING AT THE 1-95 SOUTHBOUND ON-RAMP. THE CONTRACTOR SHALL INSTALL A 3-INCH METALLIC RISER TO 5' ABOVE GROUND AT UTILITY POLE #4. SPECTRUM SHALL BE RESPONSIBLE FOR PULLING CABLE AND COMPLETING THE CABLE COMMUNICATIONS DROP. THE CONTRACTOR SHALL COVER ANY COSTS FROM SPECTRUM THAT ARE ASSOCIATED WITH THE COMMUNICATIONS DROP.
- 4. THE CONTRACTOR SHALL REPLACE EXISTING FLASHING BEACONS WITH NEW FLASHING BEACONS AS SHOWN. WHERE EXISTING FLASHING BEACONS HAVE BEEN PREVIOUSLY REMOVED. THE CONTRACTOR SHALL INSTALL NEW FLASHING BEACONS.
- 5. THE CONTRACTOR SHALL INSTALL NEW SOLAR POWER CONTROL SYSTEMS AND EQUIPMENT CABINET AS SHOWN.

GUARDRAIL PROTECTION:

DEVICES ITEM.

I. IF THE CONTRACTOR ELECTS TO REMOVE A SEGMENT OF GUARDRAIL FOR ACCESS TO THE WORK AREA. THE CONTRACTOR SHALL RESET THE GUARDRAIL AT THE END OF THE WORKDAY. ALTERNATIVELY. THE CONTRACTOR SHALL PROTECT THE TEMPORARY BLUNT END WITH A SUITABLE CRASH CUSHION. CRASH CUSHIONS INSTALLED FOR THE CONTRACTOR'S CONVENIENCE WILL NOT BE PAID FOR BUT WILL BE CONSIDERED INCIDENTAL TO THE MAINTENANCE OF TRAFFIC CONTROL

	S		PROJ. MANAGER D. LO	DRING BY	DATE	STATE OF MAINE
	H	RAN(J)K	DESIGN-DETAILED CM	JAR	5/2024	
(EE		CHECKED-REVIEWED CM	MDS	5/2024	DEPARTMENT OF TRANSPORTATIC
h DF	ET	ΙΟΥΓΡΑΗΓΙζΗΤ ΥΓΗΙΓΙ Γ ΠΕΤΕΓΤΙΟΝ ΟΥΟΤΕΝ	DESIGN2-DETAILED2			
-	N		DESIGN3-DETAILED3			PROJECT NO 2612800
7) (REVISIONS 1			
	MI		REVISIONS 2			
	3E	CENERAL NOTES	REVISIONS 3			MIM
	R		REVISIONS 4			026128 00
			FIELD CHANGES			

ANS

Z



 \sim

 \Box

ā





|--|

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
643.61	FLASHING BEACON MODIFICATION (US ROUTE 2)	I LS
643.833	OVERHEIGHT DETECTION SYSTEM (US ROUTE 2)	I LS
654.31	ITS EQUIPMENT CABINET	I EA
654.34	POINT TO POINT WIRELESS LINK	IEA



|--|

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	2 EA
626.22	NON-METALLIC CONDUIT (3-INCH)	15 LF
626.251	NON-METALLIC CONDUIT (3-INCH) UNDER PAVEMENT	50 LF
626.43	30-INCH DIAMETER FOUNDATION	8 LF
643.61	OVERHEIGHT DETECTION SYSTEM (ODLIN ROAD)	I LS
643.833	FLASHING BEACON MODIFICATION (ODLIN ROAD)	I LS
643.972	WOOD POLE	2 EA
645.1061	RELOCATE EXISTING SIGN ASSEMBLY AND POST	I EA
654.34	POINT TO POINT WIRELESS LINK	I EA
654.5//	RELOCATE ELECTRICAL SERVICE CONNECTION	I LS







FLASHING BEACON CABINET @ US ROUTE 2 NOT TO SCALE



FLASHING BEACON CABINET @ ODLIN ROAD NOT TO SCALE

ITS CABINET BLOCK DIAGRAMS

		S		PROJ. MANAGER D. LORING	ΒY	DATE	STATE OF MAINE
		·HI	RANGOR	DESIGN-DETAILED CM	JAR	5/2024	
(EE		CHECKED-REVIEWED CM	MDS	5/2024	DEPARTMENT OF IKANSPORTATION
DF	ľ		Ντμιγι τη πετεγτιον ανατεν	DESIGN2-DETAILED2			
-				DESIGN3-DETAILED3			PROJECT NO 2612800
7	1			REVISIONS 1			
		ME		REVISIONS 2			
			ITCATION DIACRAMS	REVISIONS 3			MN
				REVISIONS 4			026128 00 ITS PLANS
				FIELD CHANGES			