

TRAFFIC CONTROL GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH ALL EQUIPMENT, PERSONNEL, MATERIAL AND LABOR TO IMPLEMENT TRAFFIC AND PEDESTRIAN CONTROLS AS INDICATED ON THESE DRAWINGS AND BY PROJECT SPECIFICATIONS. REFER TO TABLE ON THIS DRAWING FOR SUMMARY OF CONSTRUCTION ZONE SAFETY PLANS (CZSP) BY PROJECT STATIONING. IN ANY LOCATION WHERE THESE DRAWINGS DO NOT OTHERWISE NOTE OR INDICATE A SPECIFIC TRAFFIC CONTROL PATTERN, THE CONTRACTOR IS TO IMPLEMENT THE CZSP FOR ALTERNATING ONE WAY TRAFFIC TYPICAL DETAIL PER DETAIL 1 ON DRAWING CT-501 AS A MINIMUM CONTROL.
2. REFER TO SPECIFICATION SECTION 01010 - SUMMARY OF WORK, FOR CONSTRUCTION WORK HOURS.
3. ROADWAYS SHALL BE RE-OPENED TO TWO WAY TRAFFIC AT THE END OF EACH WORKING DAY. THE ONLY EXCEPTION ARE DETOURS SPECIFICALLY NOTED TO BE IN ALLOWED IN OPERATION 24 HOURS A DAY.
4. AT THE END OF EACH WORKING DAY, OPEN EXCAVATIONS MUST BE BACKFILLED OR PLATED IN ACCORDANCE WITH 500 CMR 14.0 AND RESTORED PER THE CONTRACT DOCUMENTS, PER PERMITS, AND AUTHORITIES HAVING JURISDICTION.
5. WHERE WORK ZONE IS ADJACENT TO OR IN ROAD SHOULDER WITH AN ABUTTING CROSSWALK, SIDEWALK, OR GRASS SHOULDER WITH SIDEWALK PROVIDE PEDESTRIAN CHANNELIZING WITH PORTABLE CHAINLINK FENCING ALONG WORK ZONE AND ABUTTING TRAFFIC CHANNELIZING DEVICES SEPARATING ADJACENT PEDESTRIAN PATH FROM WORK AREAS.
6. WHERE CROSSWALKS ARE ADJACENT TO WORK ZONES POLICE TRAFFIC CONTROL TO STOP VEHICLE TRAFFIC FOR PEDESTRIAN USE OF CROSSWALKS. USE OF TRAFFIC FLAGGERS FOR CONTROL OF TRAFFIC AND DIRECTION OF PEDESTRIANS AROUND WORK ZONES SUBJECT TO POLICE TRAFFIC CONTROL APPROVAL. CONTRACTOR TO PROVIDE TRAFFIC FLAGGERS AS REQUIRED.
7. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, AS A MINIMUM STANDARD. STRICTER TRAFFIC CONTROL WORK REQUIREMENTS MAY BE SET BY THESE PLANS.
8. REFER TO CIVIL DRAWINGS C-102 TO C-104 FOR PROJECT LIMIT OF DISTURBANCE. ALLOWABLE WORK HOURS ARE DEFINED IN THE PROJECT SPECIFICATIONS, PER REQUIRED PERMITS, LOCAL REGULATIONS, AND AS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
9. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION. SEE SHEET CT-505 AND CT-506 FOR TYPICAL TRAFFIC CONTROL SIGN SUMMARY.
10. NO SIGNAGE SHALL BE PLACED THAT OBSTRUCTS EXISTING SIGNAGE, EXCEPT WHERE NEW SIGN INFORMATION SUPERSEDES THE EXISTING SIGNAGE AND IS REQUIRED TO ACCOMMODATE CONSTRUCTION ACTIVITIES AND IS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
11. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK. CONTRACTOR WILL MAINTAIN APPROPRIATE SIGNAGE FOR THE CURRENT TRAFFIC PATTERN AT ALL TIMES. EXISTING SIGNS IN CONFLICT WITH THE TRAFFIC PATTERN SHALL BE COVERED DURING WORK AND UNCOVERED WHEN THE TEMPORARY TRAFFIC CONTROL PATTERN HAS BEEN SUSPENDED FOR THE DAY.
12. COORDINATE THE LOCATION OF CONSTRUCTION SIGNS WITH OTHER ACTIVE CONSTRUCTION ACTIVITIES. DO NOT INSTALL DUPLICATE CONSTRUCTION SIGNS WHERE EXISTING CONSTRUCTION SIGNS CURRENTLY EXIST.
13. TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
14. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE"

(MASH). REFER TO SHEETS CT-503 AND CT-504 FOR TYPICAL DETAILS OF TRAFFIC CONTROL DEVICES AND SIGN SUPPORTS.

15. CONTRACTOR SHALL NOTIFY EACH ABUTTER AT PER SECTION 01570 IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS. CONTRACTOR SHALL COORDINATE AND MAINTAIN LOCAL ACCESS TO ALL DRIVEWAYS AT ALL TIMES UNLESS OTHER ACCOMMODATIONS ARE MADE WITH PROPERTY OWNERS IN ADVANCE.
16. THE CONTRACTOR SHALL MAINTAIN LOCAL ACCESS ON PROJECT STREETS AND TO SIDE STREETS FOR EMERGENCY VEHICLES AS WELL AS LOCAL PUBLIC TRANSPORT, SCHOOL BUS, AND LOCAL DELIVERY TRUCKS.
17. THE FIRST TEN (10) PLASTIC DRUMS OR CONES OF A TAPER SHALL BE MOUNTED WITH TYPE-A SEQUENTIAL FLASHING LIGHTS.
18. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION OVER ROADWAY.
19. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE AUTHORITY HAVING JURISDICTION OVER ROADWAY.
20. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
21. MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
22. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
23. EXACT LOCATION OF CONSTRUCTION SIGNS SHALL BE DETERMINED AND APPROVED BY THE AUTHORITY.
24. ADVANCED CONSTRUCTION SIGNING SHALL REMAIN FOR DURATION OF CONSTRUCTION (24/7). WHEN CONSTRUCTION ACTIVITIES ARE COMPLETED, ALL CONSTRUCTION SIGNAGE SHALL BE REMOVED.
25. ALL TEMPORARY WARNING SIGNS SHALL BE COVERED WHEN NOT IN USE.
26. CONTRACTOR SHALL MAINTAIN A SEPARATION FROM WORK AREA ADJACENT PEDESTRIAN WALKWAYS WITH PEDESTRIAN CHANNELIZING DEVICES COMPLIANT WITH MUTCD SECTION 6F.74 WITH DETECTABLE EDGES.
27. ANY PEDESTRIAN CROSSWALKS WHICH REQUIRE TEMPORARY CLOSURE FOR DIRECT UTILITY INSTALLATION THE CONTRACTOR WILL SETUP AND MAINTAIN TEMPORARY PEDESTRIAN CROSSINGS OUTSIDE OF THE WORK AREA IN ACCORDANCE WITH MUTCD STANDARDS AND AS SHOWN ON SHEET CT-502 AS WELL AS THOSE INDICATED ON THESE PLANS.
28. POLICE DETAILS SHALL BE USED TO DIRECT TRAFFIC AROUND A WORK AREA IF TRAFFIC MUST BE TEMPORARILY STOPPED OR REROUTED TO ALLOW FOR MOVEMENT OF WORK VEHICLES OR OTHER EQUIPMENT.
29. WHERE 2 OR MORE POLICE OFFICERS ARE REQUIRED, ALL POLICE OFFICERS MUST BE IN COMMUNICATION WITH EACH OTHER AND SHOULD BE CLEARLY VISIBLE TO THE TRAFFIC WHICH IS BEING CONTROLLED.
30. FLOOD LIGHTS SHALL BE PROVIDED TO MARK POLICE DETAIL STATIONS AT NIGHT IF NEEDED.
31. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY MUNICIPAL PERMITS OR STATE PERMITS FOR WORK WITHIN THE ROADWAY.
32. CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS DAMAGED OR REMOVED BY THE WORK WITH HOT APPLIED PAVEMENT MARKINGS ON TEMPORARY PAVEMENT PATCHES AND MAINTAIN THESE MARKINGS UNTIL PERMANENT PAVEMENT REPAIRS ARE COMPLETED. PERMANENT PAVEMENT REPAIRS MUST BE IMMEDIATELY PRE-MARKED WITH TABS IN THE COLOR OF THE REMOVED LANE AND FINAL PAVEMENT MARKINGS INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
33. THE CONTRACTOR SHALL RESTORE VEHICLE DETECTOR LOOPS AT ALL SIGNALIZED INTERSECTIONS PRIOR TO OPENING ROAD TO VEHICLE TRAFFIC AS REQUIRED FOR PROJECT PHASING. WORK SHALL COMPLY WITH MASSDOT STANDARDS AND CONTRACTOR IS RESPONSIBLE FOR COORDINATION AS REQUIRED. CONTRACTOR SHALL LOCATE AND PROTECT TRAFFIC SIGNAL CONDUITS DURING CONSTRUCTION.

LEGEND:

• REFLECTORIZED PLASTIC 36" CONE

■ REFLECTORIZED PLASTIC DRUM

POLICE/FLAGGER DETAIL

TYPE III BARRICADE

CHANGEABLE MESSAGE SIGN

WORK ZONE

DIRECTION OF TRAFFIC

IMPACT ATTENUATOR

MEDIAN BARRIER

MEDIAN BARRIER WITH LIGHT

WORK VEHICLE

TRUCK MOUNTED ATTENUATOR

TRAFFIC OR PEDESTRIAN SIGNAL

SIGN

ARROW BOARD

VEHICLE DETOUR PATH

PEDESTRIAN DETOUR PATH

PEDESTRIAN CHANNELIZING DEVICE (TEMPORARY FENCING U.N.O.)

UTILITY ALIGNMENT

STATE HIGHWAY LAYOUT (SHLO)

APPROXIMATE STATION LIMITS FOR TRAFFIC PLANS				
ROAD	CONSTRUCTION	STATIONS	PLAN	DETAIL
I-95 AND BROOK ROAD	DRAINAGE LINE INSTALLATION AN D SURFACE RESTORATION	0+00 TO 2+00	CT-102	N/A
BROOK ROAD	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	2+00 TO 3+60	CT-103	1/CT-501, 2/CT-502
BROOK ROAD	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	3+60 TO 5+00	CT-104	1/CT-501, 2/CT-502
WEXFORD STREET	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	5+00 TO 5+50	CT-105 & CT-106	5/CT-502, 6/CT-502
ARLINGTON ROAD	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	5+50 TO 6+60	CT-107	5/CT-502, 6/CT-502
ARLINGTON ROAD	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	6+60 TO 7+70	CT-108	5/CT-502, 6/CT-502
CHARLES STREET	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	7+70 TO 8+10	CT-109	5/CT-502, 6/CT-502
CHARLES STREET	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	8+10 TO 9+90	CT-110	5/CT-502, 6/CT-502
PRIVATE LANDS	DRAINAGE LINE INSTALLATION AND SURFACE RESTORATION	9+90 TO END	CT-111	N/A



BID DOCUMENTS

REFERENCE:						CONTRACT NO. : 8086	CAD FILE NO. : 3.3-CT-001		MASSACHUSETTS WATER RESOURCES AUTHORITY PREPARED BY :   100 SUMMER STREET BOSTON, MA 02110 617-426-7330 200 SUMMIT DRIVE, SUITE 340 BURLINGTON, MA 01803 781-656-5800	METROPOLITAN WATER TUNNEL PROGRAM CONTRACT PACKAGE 3.3 NEEDHAM DEWATERING DRAINAGE LINE	DRAWING NO. CT-001
						ACCESSION NO. : NOT USED	SECTION NO. :			CONSTRUCTION ZONE SAFETY PLAN	
						DATE: SEPTEMBER, 2026	DESIGNED BY: MBR DRAWN BY: MBR CHECKED BY: GMP APPROVED BY: REC				TRAFFIC LEGEND AND GENERAL NOTES
						SCALE: NTS					
NO.	DATE	BY	CHK'D	REVISION						24 of 41	