



SUGGESTED CONSTRUCTION PROCEDURE:

- ** UPON COMPLETION OF THE PROPOSED BRIDGE STRUCTURE, THE EXISTING EAST ABUTMENT WALL SHALL BE DEMOLISHED TO PROVIDE FOR WIDENING OF THE EXISTING EAST SIDEWALK.
- 1. EXISTING GRANITE BLOCK ABUTMENT AND RETAINED EARTH SHALL BE EXCAVATED TOP-DOWN TO EXPOSE STEEL H-PILES PREVIOUSLY INSTALLED DURING CONSTRUCTION OF THE NEW SHAFTS AND CAP.
- INSTALL NEW TIMBER LAGGING BEHIND (AND SPANNING BETWEEN) THE SOLDIER PILES AS EXCAVATION PROGRESSES. BASE OF EXCAVATION SHALL BE APPROXIMATELY 3-FT BELOW THE EXISTING SIDEWALK ELEVATION.
- ALL GRANITE BLOCKS REMOVED AS PART OF THE EXISTING WALL DEMOLITION SHALL BE STACKED FOR RE-USE.
- 2. PREPARE BASE OF EXCAVATION WITH AN 18-INCH LAYER OF COMPACTED GRAVEL.
- 3. INSTALL FORMWORK TO THE FRONT (EXPOSED) FACE OF PILES AND SET MASONRY ANCHORS (STRAPS FOR BLOCK FACING).
- 4. CAST 20-INCH (±) CONCRETE RETAINING WALL BY ENCASING SOLDIER PILES.
- 5. ATTACH RECLAIMED GRANITE BLOCK FACING TO FRONT OF CONCRETE-ENCASED SOLDIER PILE RETAINING WALL.
- 6. FASTEN NEW GRANITE CAPSTONE TO TOP OF WALL.
- 7. BACKFILL BEHIND TOP OF WALL AND RE-GRADE TO FRONT FACE OF NEW ABUTMENT CAP (2H:1V SLOPE MAX.)
- 8. REMOVE EXISTING SIDEWALK BITUMINOUS WEARING SURFACE AND RECONSTRUCT NEW WEARING SURFACE (BIT. CONC) OVER ENTIRE WIDTH OF NEW WIDENED SIDEWALK.

Tran Systems
TRAN SYSTEMS
38 Chauncy Street, Suite 200
Boston, MA 02111
TEL: (617) 463-5460
FAX: (617) 463-5461



Massachusetts Bay Transportation Authority
FITCHBURG MAIN LINE OVER
ROUTE 62 - MAIN STREET
CONCORD
MASSACHUSETTS

REVISIONS:	MARK	DATE	DESCRIPTION

PROJ NO: P701060003
SCALE: AS NOTED
DATE: 02/03/12
DESIGNED BY: MVD
DRAWN BY: MVD
CHECKED BY: GJB

SHEET TITLE:
EAST ABUTMENT WIDENING WALL

SHEET NO.
BR-17

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