BID DOCUMENTS
FOR
SIDEWALK ENHANCEMENT AND
EXTENSIONS ALONG ROUTE 1
WESTBROOK, CONNECTICUT

NOVEMBER 22, 2019

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NOTES - TRAFFIC CONTROL DEVICES

1. The locations of temporary signs shown on the plans are approximate and shall be adjusted by the contractor to meet field conditions.
2. The signs shall be located with respect to traffic devices and at the discretion of the Engineer.
3. Existing signs that conflict with the construction signs shall be removed, moved or adjusted to meet field conditions as required by the Engineer. Some signs may need to be deleted, added or altered by the Engineer during construction so that they are in the appropriate location and serve their purpose. Some signs may move to the temporary location when the work zone, the work will be tied for under pass.
4. The locations of traffic signs shown on the plans are approximate and shall be adjusted by the contractor to meet field conditions and to correctly show access to and egress from work monuments and standards.

NOTE FOR PORTABLE SIGN SUPPORTS:

4. Portable sign supports shall be stabilized in a manner that will not affect their compliance with signs and their portable supports shall conform to the requirements of NCHRP Report 350 (TL-3) and the latest edition of the MUTCD.

3. The engineer reserves the right to reject any support deemed unsuitable for the purpose intended.

2. Mounting height of signs shall be a minimum of 12" (300) and a maximum of 24" (600).

1. Traffic drum shall conform to the requirements of NCHRP Report 350 (TL-3) for exit signs, use min. 72" (1800).

THE LINE CONFORM WITH THE LINE IN SHRIMAL:

THE LANE CONFORM WITH THE LANE IN SHRIMAL:

CONSTRUCTION SIGNS:

NOTES:

1. Traffic drum shall conform to the requirements of NCHRP Report 350 (TL-3) and the latest edition of the MUTCD.

2. The engineer reserves the right to reject any drum deemed unsuitable for the purpose intended.

3. The entire area of orange and white stripes shall be retroreflective sheeting as required in the specifications.

4. The sections of drum not covered with retroreflective stripes shall be orange.

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TOWN OF WESTBROOK

2321 Whitney Avenue - Hamden Center II - Hamden CT 06518

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All erosion and sediment control measures shall be constructed in accordance with the standards and best practices recommended by the Connecticut Department of Environmental Protection. Prior to the start of any construction, the site shall be inspected to assure dust is adequately controlled. If the owner's representative feels dust control measures are inadequate, the contractor shall be required to implement additional measures.

3. The functional completion of the stormwater detention systems or sediment basins shall precede site improvements.

SECTION D: POST CONSTRUCTION MAINTENANCE SCHEDULE

- Inlet protection
- Geo-textile silt fence
-揚塵控制
- Sediment control
- Oil and chemical spill response provisions

Inlet protection shall be installed at all inlets to the stormwater system. Geo-textile silt fence shall be installed along the toe of all critical cut and fill slopes, soil stockpile areas, and in those areas where work will resume after one year. When slopes are less than 3:1, wood chips, bark chips, or shredded bark may be used. Surfaces that would interfere with or prevent construction of satisfactory fills shall be stabilized with an erosion control blanket.

Maintenance of stormwater detention systems or sediment basins shall be conducted in accordance with the dewatering plan. This responsibility includes installation and maintenance of control measures, informing all construction traffic of the need for permanent dust control measures, and ensuring all materials are properly disposed of.

The functional components of the stormwater detention systems or sediment basins shall be developed to include dust control systems.
CONCRETE SIDEWALK

1. CONCRETE SIDEWALK

2. PRECAST CONCRETE CURBING (BASE BID)

3. TYPICAL JOINT SEAL AT EXISTING SIDEWALK DETAIL

4. INTEGRAL CONCRETE CURB AND SIDEWALK

5. CROSSWALK MARKING

6. BITUMINOUS CONCRETE PAVEMENT

7. EXTRUDED CONCRETE CURB (ALT. 1)

8. CONCRETE MOUNTABLE CURB

TOWN OF WESTBROOK
2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200   Fax: 203 234 7376
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SINGLE DIRECTION SIDEWALK RAMPS

1. SINGLE DIRECTION SIDEWALK RAMPS

2. PERPENDICULAR SIDEWALK RAMPS

SINGLE DIRECTION RAMPS WITHOUT NON-WALKING SURFACE
GRADE BREAK LESS THAN 5' (TYPE 15)

PERPENDICULAR SIDEWALK RAMP

SECTION AA

1. SINGLE DIRECTION - NO CURB WITH NON-WALKING SURFACE (TYPE 17)

2. PERPENDICULAR SIDEWALK RAMPS
PARALLEL SIDEWALK RAMP

GENERAL NOTES:
1. MAXIMUM SLOPS OF RAMP SURFACES AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP SHOULD NOT EXCEED 1%. THE MAXIMUM GRADE DIFFERENCE BETWEEN THE GUTTER AND CURB RAMP SHALL NOT EXCEED 0.5%. THE RAMP SHOULD BE FLUSH WITH THE ROADWAY.
2. SLOPE GRADE SHALL BE UNIFORM FROM THE GUTTER AND ABUTMENT GRADE CHANGES. RUNNING SLOPES OF RAMPS SHALL NOT DIFFER MORE THAN 0.5% FROM THE SLOPE OF THE ROADWAY.
3. THE RAMP SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS.
4. DETECTABLE WARNINGS SHALL BE USED ONLY TO PROVIDE A WARNING TO PEDESTRIANS IN THE EVENT OF A SIDEWALK RAMP.
5. DEPARTMENT OF TRANSPORTATION'S (DOT) REQUIREMENTS FOR SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE COMPLIMENTED BY THE USE OF THE FOLLOWING DESIGN REQUIREMENTS:
   a. DETECTABLE WARNINGS SHALL BE PLACED AT EVERY 12" INTERVALS ON THE PROFILE OF THE SIDEWALK RAMP.
   b. DETECTABLE WARNINGS SHALL BE PLACED AT EVERY 6" INTERVALS ON THE CASING OF THE SIDEWALK RAMP.
   c. DETECTABLE WARNINGS SHALL BE PLACED AT EVERY 24" INTERVALS ON THE CASING OF THE SIDEWALK RAMP.
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SIDEWALK RAMP NOTES:
1. PARALLEL SIDEWALK RAMP
2. DETECTABLE WARNINGS
3. STANDARD DOME ON DETECTABLE WARNING TILES

DOME SPACING

DOME SECTION
SIGN POST PLACEMENT AND MOUNTING DETAILS

NOTES:
- ALL SIGNS AND SHELVES ON DIRECTORIAL ASSEMBLIES SHALL BE MOUNTED VERTICALLY.
- EVER TO CHANGE SHELF "H" TO LOW AS METAL SIGN POSTS AND SIGN MOUNTING OPTIONS FOR
  SIGN POSTS AND SIGN MOUNTING.
- IF A REVERSE-FACE SIGN IS USED ON THE SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH
  OF THE SUPPORT BAR TO EXTEND 2 FT MORE THAN THE EDGE OF THE APPROACH.
- FIXING SIGNS TYPICALLY USE AT MOUNTING BRACKET.

**BREAKAWAY INSTALLATION**

- FOR 4 LBS./FT. POSTS

**TYPICAL SIGN POST INSTALLATION IN LEDGE**

- LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 36".
- HOLES SHALL BE FILLED WITH SUB-BASE MATERIAL AND CONNECTED WITH A TAMPERING
  BAR OR TECHNICALLY APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.

**TYPICAL SIGN PANEL ATTACHMENT**

- WASHERS - STAINLESS STEEL, COMFORMING TO ASTM F616.
- ALLOY AA 803 HAY, TYPE 639 OR 803.
- BOLTS - STAINLESS STEEL, COMFORMING TO ASTM F754.
- WASHERS - STAINLESS STEEL, COMFORMING TO ASTM F504.
- HOLE BALANCE (3.0% OR 3.0%)
- TURN-OUT NUT WITH PLASTIC OR FIBER INSERT

**TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT**

- WASHERS - STAINLESS STEEL, COMFORMING TO ASTM F504.
- BOLTS - STAINLESS STEEL, COMFORMING TO ASTM F754.
- ALLOY AA 803 HAY, TYPE 639 OR 803.

**TYPICAL BACK-UP PLATE**

- BOLTS - STAINLESS STEEL, COMFORMING TO ASTM F616.
- ALLOY AA 803 HAY, TYPE 639 OR 803.