

**CONCRETE NOTES:**

- I. FOR BOTH ABUTMENTS 1 AND 2, CONCRETE PORTIONS OF THE ABUTMENTS AND WINGWALLS ABOVE ADJACENT BRIDGE SEAT ELEVATIONS SHALL NOT BE PLACED UNTIL THE STRUCTURAL STEEL HAS BEEN SET AND FINISHED GRADE DETERMINED BY THE RESIDENT ENGINEER.
2. WHEN CONSTRUCTING THE DECK, THE CONCRETE SHALL BE POURED PARALLEL TO THE CENTERLINE OF BEARING AND SYMMETRICALLY ABOUT THE CENTERLINE OF TAYLOR STREET, TO THE EXTENT PRACTICAL, SO AS TO LOAD THE SUPERSTRUCTURE EQUALLY.
3. IT IS ANTICIPATED THAT THE CONTRACTOR WILL POUR THE ENTIRE DECK IN ONE EIGHT HOUR POUR. IF THIS IS THE CASE, THE POUR SHALL BEGIN AT THE ABUTMENT 1 END AND A RETARDING ADMIXTURE, APPROVED BY THE VERMONT AGENCY OF TRANSPORTATION MATERIALS AND RESEARCH LABORATORY, SHALL BE USED TO PREVENT THE DECK CONCRETE FROM SETTING UP UNTIL THE ENTIRE POUR HAS BEEN COMPLETED. THE RETARDING ADMIXTURE SHALL BE INCIDENTAL TO ITEM 900.608 SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, CLASS A LOW CEMENT). IF THIS IS NOT THE CASE, A POUR SEQUENCE SHALL BE SUBMITTED IN WRITING TO THE STRUCTURES ENGINEER FOR APPROVAL.
4. IT IS ANTICIPATED THAT THE CONTRACTOR WILL POUR THE ENTIRE SIDEWALK INDEPENDENTLY OF THE DECK, IN ONE EIGHT HOUR POUR. IF THIS IS THE CASE, THE POUR SHALL BEGIN AT THE ABUTMENT 1 END AND A RETARDING AND SHRINKAGE COMPENSATION ADMIXTURE, BOTH APPROVED BY THE VERMONT AGENCY OF TRANSPORTATION MATERIALS AND RESEARCH LABORATORY, SHALL BE USED. BOTH ADMIXTURES SHALL BE INCIDENTAL TO ITEM 900.608 SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, CLASS A LOW CEMENT). IF THIS IS NOT THE CASE, A POUR SEQUENCE SHALL BE SUBMITTED IN WRITING TO THE STRUCTURES ENGINEER FOR APPROVAL.
5. IF REQUIRED, TRANSVERSE BRIDGE DECK OR SIDEWALK CONSTRUCTION JOINTS SHALL BE FORMED BETWEEN ADJACENT POURS AS SHOWN IN THE TYPICAL CONCRETE CONSTRUCTION JOINT DETAIL ON SHT. 40.
6. ITEM 514.10, WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE DECK BETWEEN DRIP NOTCHES.
7. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS SHOWN ON SHT. 40, OR AS DIRECTED BY THE RESIDENT ENGINEER.
8. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".
9. THE KEY IN THE CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. UPWARD KEYS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
10. ALL SUPERSTRUCTURE REINFORCING STEEL AND ANY SUBSTRUCTURE STEEL SO DESIGNATED ON THE PLANS, SHALL BE EPOXY COATED AND PAID FOR UNDER ITEM 507.17, EPOXY COATED REINFORCING STEEL. WHEN EPOXY COATED REINFORCING STEEL IS TO BE CUT, THE UNCOATED ENDS SHALL BE REPAIRED WITH MATERIALS AND PROCEDURES APPROVED BY THE COATING MANUFACTURER. FLAME CUTTING OF EPOXY COATED REINFORCING STEEL WILL NOT BE PERMITTED.
- II. REINFORCING PLACEMENT TOLERANCES SHALL BE:
  - SPACING +/- 1"
  - CLEARANCE +/- 1/4"

**UTILITY NOTES:**

- I. REQUIRED UTILITY COORDINATION SHALL BE COMPLETED BY THE VERMONT AGENCY OF TRANSPORTATION UNLESS OTHERWISE NOTED. ANTICIPATED UTILITY COORDINATION MAY BE REQUIRED FOR THE FOLLOWING WORK ITEMS SHOWN IN THE PLANS:
  - THE PROPOSED GATE VALVE AT STA. 14+00.0 LT SHALL BE INSTALLED UNDER ITEM 629.27 GATE VALVE WITH VALVE BOX. THE PROPOSED GATE VALVE SHALL BE INSTALLED PRIOR TO DISCONNECTION OF THE EXISTING WATER MAIN FROM SERVICE. ANY EXCAVATION REQUIRED FOR GATE VALVE INSTALLATION SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED UNDER ITEM 629.27.
  - THE PORTION OF THE WATER MAIN CURRENTLY SUPPORTED ON THE EXISTING BRIDGE SHALL BE ISOLATED AND DISCONNECTED FROM SERVICE. THE 8" DIA. WATER MAIN IS CURRENTLY OWNED AND MAINTAINED BY THE CITY OF MONTPELIER. THE CONTRACTOR SHALL COORDINATE DISCONNECTION OF THE EXISTING WATER MAIN WITH THE CITY.
  - THE EXISTING 8" DIA. WATER MAIN AND ASSOCIATED TIMBER INSULATION BOX WILL BE COMPLETELY REMOVED UNDER ITEM 529.20, PARTIAL REMOVAL OF STRUCTURE. THE EXISTING WATER MAIN TIMBER INSULATION BOX (BOX) MAY CONTAIN HAZARDOUS MATERIAL. THE REMOVED BOX IS THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE CITY, STATE, THEIR OFFICERS AND EMPLOYEES HARMLESS CONCERNING THE CONTRACTOR'S USE OR DISPOSITION OF THE BOX. ALL COSTS ASSOCIATED WITH ITS DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 529.20.
  - THE EXISTING WATER MAIN SHALL BE REPLACED UNDER ITEM 900.645, SPECIAL PROVISION (WATER MAIN ON BRIDGE) (8").
  - THE EXISTING GATE VALVES AT THE SOUTHEAST APPROACH SHALL BE ADJUSTED IN ELEVATION BY THE CITY OF MONTPELIER DEPARTMENT OF PUBLIC WORKS. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE GATE VALVES DURING CONSTRUCTION.
  - EXISTING LUMINARIES LOCATED AT STA. 14+40.6 LT AND 15+64.4 LT SHALL BE REPLACED BY GREEN MOUNTAIN POWER (GMP). THE CITY OF MONTPELIER WILL COORDINATE WITH GMP ACCORDINGLY.

**TRAFFIC CONTROL AND DETOUR NOTES:**

- I. DURING CONSTRUCTION, VEHICULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AS FOLLOWS:
  - TEMPORARY TRAFFIC BARRIERS SHALL BE INSTALLED AT THE PROJECT SITE AS SHOWN ON SHT. 23.
  - THE TEMPORARY TRAFFIC DETOUR (FOR VEHICLES) SHALL BE ESTABLISHED AS SHOWN ON SHT. 42.
  - A TEMPORARY SIGNAL SYSTEM SHALL BE INSTALLED AT THE TAYLOR ST/ U.S. BUSINESS ROUTE 2 (STATE STREET) INTERSECTION AS SHOWN ON SHT. 43.
  - TEMPORARY SIGNAL ADJUSTMENTS SHALL BE MADE AT THE BAILEY AVENUE/ MEMORIAL DRIVE AND TAYLOR STREET/MEMORIAL DRIVE INTERSECTIONS AS SHOWN ON SHT. 43.
  - THE TEMPORARY PEDESTRIAN DETOUR SHALL BE ESTABLISHED AS SHOWN ON SHT. 44.
2. THE CONTRACTOR SHALL NOTIFY THE CITY OF MONTPELIER DEPARTMENT OF PUBLIC WORKS (DIRECTOR TODD LAW 802-223-9508) AND THE STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES (DAVID BURLEY 802-828-5643) A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF DIVERTING ANY VEHICULAR OR PEDESTRIAN TRAFFIC.
3. CONTRACTOR SHALL ERECT AND MAINTAIN ALL EQUIPMENT AND FACILITIES REQUIRED FOR TRAFFIC CONTROL AND DETOURS AS SHOWN IN THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER. THE BID PRICE FOR ITEM 641.10, TRAFFIC CONTROL SHALL INCLUDE ALL WORK REQUIRED TO INSTALL, MAINTAIN AND REMOVE TEMPORARY SIGNING, BARRELS, BARRICADES, CONES, FENCE, PAVEMENT MARKINGS AND ADJUSTMENTS TO EXISTING TRAFFIC SIGNALS.
4. ITEM 621.90, TEMPORARY TRAFFIC BARRIER AND ITEM 678.40, TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL EACH BE MEASURED AND PAID FOR UNDER THEIR RESPECTIVE ITEM NUMBERS AND PAYMENT UNITS.
5. AS A MINIMUM, ROLL UP SIGN MATERIAL SHALL HAVE ASTM D 4956-OI TYPE VI FLUORESCENT ORANGE RETROREFLECTIVE SHEETING. ALL POST-MOUNTED SIGNS AND SOLID SUBSTRATE PORTABLE SIGNS SHALL HAVE ASTM D 4956-OI TYPE VII, TYPE VIII OR TYPE IX FLUORESCENT ORANGE RETROREFLECTIVE SHEETING.

**PROJECT NOTES (2)**

PROJECT NAME: MONTPELIER  
 PROJECT NUMBER: BHF 6400(31)

FILE NAME: \$FILES\$ PLOT DATE: 10/12/2009  
 PROJECT MANAGER: SUSAN SCRIBNER DRAWN BY: D. D'AMATO  
 DESIGNED BY: D. D'AMATO CHECKED BY: P. PERKINS  
 BRIDGE DESIGN SUPERVISOR: P. HALSTEAD SHEET 26 OF 63

