

**GENERAL**

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION, DATED 2007 AND ITS LATEST REVISIONS.
2. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT UNLESS OTHERWISE NOTED.
3. THE CORRESPONDING 529.20 PARTIAL REMOVAL OF STRUCTURE ITEMS SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ANY COMPONENTS ASSOCIATED WITH THE EXISTING BRIDGES NECESSARY TO PERFORM THE REQUIRED WORK.
4. SEE THE RAILROAD AGREEMENT FOR RESTRICTIONS ON WORKING WITHIN THE RAILROAD ROW FOR THIS PROJECT.

**BRIDGE 36 SITE**

5. STONE ORNAMENTS LOCATED NEAR STATION 83+60 LT SHALL BE MOVED TO A LOCATION SUITABLE TO THE PROPERTY OWNER. THIS WORK SHALL BE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.
6. THE CONTRACTOR SHALL CONSTRUCT A TRENCH DRAIN FOR THE DRIVE AT STATION 83+50 LT. AFTER INSTALLATION OF THIS DRAIN, THE CONTRACTOR SHALL REPAIR THE DRIVE AND PAVE AS REQUIRED TO MATCH INTO THE DRAIN. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 900.640 SPECIAL PROVISION (TRENCH DRAIN). THE GRATE DESIGN SHALL HAVE AN INFLOW CAPACITY (LINEAR INFLOW PER FOOT) OF 10 GPM, AND SHALL BE RATED CLASS "C" FOR LOADING.
7. AN ARCHEOLOGICALLY SENSITIVE AREA WAS DEFINED NEAR THIS SITE AND DELINEATED ON SHEET 68 IN THE PLANS. THIS PROJECT WAS CLEARED FOR CONSTRUCTION WITH THE PROVISION THAT THIS DELINEATED AREA NOT BE DISTURBED.

**BRIDGE 38 SITE**

8. THE CONTRACTOR SHALL WORK WITH THE PROPERTY OWNER TO DETERMINE AN EXACT CONFIGURATION AND LOCATION FOR THE RETAINING WALL LOCATED AT STATION 30+20 LEFT. THE TOP 6" OF THE PLANTER SHALL BE FILLED WITH TOPSOIL AND WILL BE PAID FOR UNDER ITEM 651.35 TOPSOIL.
  9. THE CONTRACTOR SHALL TAKE CARE TO NOT DISTURB THE BLOCK WALL AT STATION 31+40 RT. IF THE WALL IS DISTURBED, THE CONTRACTOR SHALL REPAIR OR REPLACE THE WALL TO THE SATISFACTION OF THE PROPERTY OWNER. THIS WORK SHALL BE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.
  10. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE PORTION OF THE RETAINING WALL NEAR STATION 31+50 TO 31+75 LT WITHIN THE RIGHT OF WAY AND TO THE OWNERS' SATISFACTION. THE COST FOR PERFORMING THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.17 UNCLASSIFIED EXCAVATION.
- UTILITIES**
11. TOWN RECORDS SHOW A 1949 8" ASBESTOS CEMENT WATER LINE BURIED ON THE NORTH SIDE OF GILLETTE ST. THIS WATER LINE SHALL NOT BE DISTURBED. ITEM 204.22 TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.) HAS BEEN INCLUDED IN THE CONTRACT TO PAY FOR ANY WORK REQUIRED TO LOCATE THIS WATER LINE.
  12. TOWN RECORDS ALSO SHOW A MANHOLE NEAR STA 30+25. IF THIS STRUCTURE IS ENCOUNTERED AND NEEDS TO BE REMOVED, IT SHALL BE PAID FOR UNDER ITEM 204.21 TRENCH EXCAVATION OF ROCK.
- TRAFFIC CONTROL - BR 36 & BR 38**
13. AS PART OF THE 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE) ITEM, THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ROADWAY, TRAFFIC, AND SAFETY ENGINEER FOR APPROVAL PER SUBSECTION 105.03. SEE SPECIAL PROVISIONS.
  14. FULL ACCESS TO ALL SIDE ROADS AND DRIVES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. THIS WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE BID PRICE FOR THE ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
  15. UNRESTRICTED TRAFFIC ACCESS BETWEEN NORWICH AVENUE AND PASSUMPSIC AVENUE SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. INDIVIDUAL BRIDGES MAY BE CLOSED AT TIMES DURING THE PROJECT WITH APPROPRIATELY SIGNED DETOURS.

**SPECIAL PROVISION (DESIGN AND CONSTRUCT BRIDGE)**

16. ALL BRIDGE COMPONENTS THAT FALL WITHIN THE LIMITS SHOWN ON THE PLANS FOR BRIDGE 36 SHALL BE PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (DESIGN AND CONSTRUCT BRIDGE).
17. WATER REPELLENT, SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF THE SUPERSTRUCTURE BETWEEN THE DRIP BEADS.
18. ALL COSTS ASSOCIATED WITH CONSTRUCTING THE CURB AND SIDEWALK SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 900.645 SPECIAL PROVISION (DESIGN AND CONSTRUCT BRIDGE).
19. NO SALVAGED MATERIALS OR COMPONENTS FROM EXISTING OR PREVIOUS STRUCTURES SHALL BE ALLOWED IN THE FINISHED AND ACCEPTED BRIDGE.
20. FABRICATION DRAWINGS SHALL INCLUDE THE LOCATION OF ANY HOLES OR ANCHORS THAT NEED TO BE INSTALLED TO SUPPORT THE WATER LINE. SEE UTILITIES SHEETS.
21. ANY SUBBASE AND SIDEWALK INCLUDED WITHIN BRIDGE LIMITS SHOW ON THE PLANS RESULTING FROM A PROPOSED BRIDGE LENGTH SHORTER THAN THE ASSUMED BRIDGE LENGTH DETAILED IN THE PLANS SHALL PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (DESIGN AND CONSTRUCT BRIDGE). ANY QUANTITY OF THESE ITEMS PLACED WITHIN THE BRIDGE LIMITS SHOWN ON THE PLANS SHALL BE PLACED AT THE DEPTHS AND WIDTHS SHOWN IN THE PLANS AT BEGINNING AND ENDING STATIONS OF THE BRIDGE LIMITS.
22. THE DESIGN OF BRIDGE 36 SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS FOR ITEM 900.645 SPECIAL PROVISION (DESIGN AND CONSTRUCT BRIDGE) AND THE FOLLOWING REQUIREMENTS:

DESIGN LIFE	75 YEARS
MAXIMUM ALLOWABLE HEADWATER ELEVATION	N/A
MAXIMUM ALLOWABLE VELOCITY THROUGH THE STRUCTURE	N/A
TAILWATER DEPTH USED FOR DESIGN	N/A
MINIMUM REQUIRED OPEN-END AREA	SEE SHEET 19
BEARING CAPACITY TO BE USED FOR THE DESIGN OF THE FOUNDATION, AT THE REQUIRED LOCATION	SEE SHEET 4
DESIGN YEAR ADT	SEE SHEET 8
DESIGN YEAR PERCENT TRUCKS	SEE SHEET 8
TYPICAL ROADWAY SECTION	2-9-9.2 TYPICAL WITH A 5 FOOT SIDEWALK (SEE SHEET 10)
ROADWAY PROFILE AND ELEVATION	SEE SHEET 12
REQUIRED CLEARANCE ENVELOPE, BEARING CAPACITY AND ROADWAY PROFILE FOR TUNNELS OR UNDERPASS STRUCTURES	SEE SHEET 19

- A. THE BRIDGE SHALL BE DESIGNED FOR THE BRIDGE RAIL SHOWN ON THE PLANS. NO ALTERNATIVE TO THIS RAIL SHALL BE ALLOWED. PAYMENT FOR THE BRIDGE RAIL SHALL BE INCLUDED UNDER THE APPROPRIATE 525 RAILING ITEM.
- B. THE BRIDGE DECK SHALL BE CONCRETE. IN THE ABSENCE OF A DISCRETE DECK, THE TOP OF THE SUPERSTRUCTURE ELEMENTS SHALL BE CONCRETE AND WILL BE CONSIDERED THE DECK FOR THIS PURPOSE. THE DECK SHALL BE PAVED.
- C. LIVE LOAD DEFLECTION PER SECTION 2.5.2.6.2 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SHALL BE LIMITED TO SPAN/1000 FOR VEHICULAR AND/OR PEDESTRIAN LOADS.
- D. MINIMUM RESIDUAL CAMBER SHALL BE PROVIDED PER THE STRUCTURES DESIGN MANUAL. MINOR ADJUSTMENTS MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER.
- E. THE ABUTMENTS HAVE BEEN DESIGNED FOR THE LOADS LISTED ON SHEET 4. IF THE LOADS OR ABUTMENT CONFIGURATION IS MODIFIED BY THE PROPOSED DESIGN, THE ABUTMENTS AND RETAINING WALL SHALL BE REDESIGNED ACCORDINGLY.