

**BIKEWAY GENERAL NOTES:**

- THIS PROJECT WILL BE CONSTRUCTED SIMULTANEOUSLY WITH THE IM DECK (36) BRIDGE REHABILITATION PROJECT. THE STP BIKE (28) PROJECT BIKEWAY PLAN SHEETS SHOW, FOR INFORMATION ONLY, WORK THAT IS INCLUDED IN THE IM DECK (36) PROJECT. IN GENERAL, ALL APPROACH ROADWAY WORK AND FINAL PAVEMENT MARKINGS NOT INCLUDED IN APPROACH ROADWAY NOTE 1 ON SHEET 44 ARE INCLUDED IN STP BIKE (28), UNLESS OTHERWISE NOTED.
- THE FOLLOWING GENERAL NOTES FROM SHEET 9 APPLY TO THE STP BIKE (28) PROJECT: 1, 2, AND 3.
- ALL WORK SHALL BE COORDINATED WITH THE UTILITY OWNERS.
- A COMPLETE SURVEY WAS NOT DONE FOR THIS PROJECT. SLOPE LIMITS AND EXTENTS OF THE WORK SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LIMITS OF WORK SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PERFORM ALL BIKEWAY WORK IN CONJUNCTION WITH THE IM DECK(36) TRAFFIC CONTROL PLAN SHEETS 39 - 41.
- STREET LIGHTING AND SIGNAL WORK SHALL BE COORDINATED WITH GREEN MOUNTAIN POWER CORPORATION AND THE CITY OF SOUTH BURLINGTON.
- THERE ARE FIBER OPTIC LINES IN THIS PROJECT WHICH MUST NOT BE COMPROMISED DURING CONSTRUCTION. THE LOCATION AND DEPTH OF THESE LINES ARE UNKNOWN OUTSIDE THE LIMITS OF THE BRIDGE. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH DIGSAFE AND THE UTILITY OWNER TO ENSURE THE FIBER OPTIC LINES ARE NOT DAMAGED.
- ALL EXISTING AND PROPOSED CATCH BASINS AND DROP INLETS WITHIN THE PROJECT LIMITS SHALL BE EQUIPPED WITH BICYCLE COMPATIBLE GRATES, TYPE E. REPLACEMENT OF EXISTING GRATES SHALL BE PAID UNDER ITEM 604.52, "CAST IRON GRATE WITH FRAME, TYPE E".
- ALL PAVEMENT PLACED ON SECTIONS OF THE BIKEWAY THAT ARE NOT ON THE ROADWAY SHALL BE PAID UNDER ITEM 618.15, "BITUMINOUS CONCRETE SIDEWALK".
- ITEM 613.10, "STONE FILL, TYPE 1", SHALL BE USED ON ALL FILL SLOPES BEHIND THE GUARDRAIL AS DIRECTED BY THE ENGINEER.
- A NOMINAL QUANTITY OF ITEM 616.20, "GRANITE SLOPE EDGING" HAS BEEN INCLUDED IN THE CONTRACT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER ON RAMPS "B", "D", "E", AND "G" AS NECESSARY.
- ITEM 616.21, "VERTICAL GRANITE CURB" SHALL BE USED AT CURB CUTS FOR THE PROPOSED SIDEWALK AND BIKEWAY. REMOVAL OF EXISTING VERTICAL GRANITE CURB SHALL BE PAID UNDER ITEM 616.41, "REMOVAL OF EXISTING CURB."
- REMOVAL AND RESETTING OF EXISTING DELINEATORS SHALL BE SUBSIDIARY TO ITEM 615.50, "REMOVING SIGNS."
- UNLESS OTHERWISE NOTED, THE CONCRETE FOR THE VARIOUS ELEMENTS OF THE WORK SHALL BE:
  - SIDEWALK OVERLAY AND WIDENING
    - SILICA-FUME CONCRETE, f'c = 5000 PSI
    - PAID AS ITEM 501.60, "SILICA-FUME CONCRETE (MOD.)"
  - NEW SIDEWALK 5"
    - CONCRETE CLASS B, f'c = 3500 PSI
    - PAID AS ITEM 618.10, "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH"
  - STRUCTURAL SLAB AT UTILITY BANK
    - CONCRETE CLASS B, f'c = 3500 PSI
    - PAID AS ITEM 501.25, "CONCRETE CLASS B"
- ALL NEW GRASSED AREAS AND DISTURBED AREAS SHALL BE TREATED WITH:
  - ITEM 651.15, "SEED"
  - ITEM 651.18, "FERTILIZER"
  - ITEM 651.20, "AGRICULTURED LIMESTONE"
  - ITEM 651.25, "HAY MULCH"
  - ITEM 651.35, "TOPSOIL"
- PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ON THE SIDEWALKS ON AT LEAST ONE SIDE OF THE ROADWAY AND BRIDGE AT ALL TIMES. WORK ON APPROACH SIDEWALKS SHALL BE COORDINATED WITH THE WORK ON THE BRIDGE SIDEWALKS.
- ALL SIDEWALK RAMPS AND ASSOCIATED CURB CUTS SHALL MEET THE "AMERICANS WITH DISABILITIES ACT" (ADA) GUIDELINES. ANY SIDEWALK RAMP OR CURB CUT INSTALLED AS PART OF THIS PROJECT WHICH DOES NOT MEET ADA GUIDELINES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PAID UNDER ITEM 646.82, "REMOVAL OF EXISTING PAVEMENT MARKINGS".

**APPROACH ROADWAY STREET LIGHTING NOTES:**

- THE NEW STREETLIGHTS SHALL BE EQUIPPED WITH 250 WATT, HIGH-PRESSURE SODIUM, TYPE III LUMINAIRE. LUMINAIRE SHALL HAVE CUT-OFF REFRACTORS AND PHOTOELECTRIC CELLS.
- THE NEW LIGHT POLES ARE LOCATED APPROXIMATELY 8 FEET BEHIND THE EXISTING LIGHT POLES BEING REMOVED. REFER TO THE NEW STREETLIGHT INFORMATION TABLE ON THIS SHEET FOR LOCATION AND DETAILS. APPROXIMATE LOCATIONS ARE ALSO SHOWN ON SHEETS 41 AND 48.
- STREET LIGHTING SHALL CONFORM TO SECTION 619 OF THE STANDARD SPECIFICATIONS.
- EXISTING STREETLIGHTS TO BE REMOVED SHALL BE SALVAGED TO THE CITY OF SOUTH BURLINGTON. (SEE SPECIAL PROVISIONS).
- THE CONTRACTOR SHALL PROVIDE CALCULATIONS AND DETAILS, STAMPED BY A LICENSED PROFESSIONAL ENGINEER, TO THE VAOT STRUCTURES ENGINEER FOR THE DESIGN OF THE NEW LIGHT POLE FOUNDATIONS. THE TYPICAL FOUNDATION SIZE SHOWN ON THE VAOT LIGHTING STANDARD SHEET SHALL NOT BE USED WITHOUT SUBMITTING CALCULATIONS STAMPED BY A LICENSED PROFESSIONAL ENGINEER.
- ALL WORK ASSOCIATED WITH THE DESIGN, FABRICATION, AND ERECTION OF NEW STREETLIGHTS AND FOUNDATIONS SHALL BE PAID AS ITEM 619.15, "STREET LIGHTING", UNLESS OTHERWISE NOTED. THIS SHALL ALSO INCLUDE COMPLETE REMOVAL OF THE EXISTING STREETLIGHTS AND FOUNDATIONS BEING REPLACED.
- NEW JUNCTION BOXES SHALL BE INSTALLED IN THE VICINITY OF EACH EXISTING LIGHT POLE BEING REMOVED. NEW CONDUIT AND WIRING SHALL BE INSTALLED FROM THE NEW JUNCTION BOX TO THE NEW LIGHT POLE, AND FROM THE NEW LIGHT POLE TO THE NEAREST JUNCTION BOX AT THE BRIDGE. NEW CONDUIT AND WIRING SHALL BE COMPATIBLE WITH THE EXISTING CONDUIT AND WIRING AND THE NEW STREETLIGHT. ALL COSTS ASSOCIATED WITH REMOVAL AND REPLACEMENT OF EXISTING CONDUIT AND WIRING SHALL BE PAID AS ITEM 618.23, "WIRED CONDUIT". NEW JUNCTION BOXES SHALL BE PAID AS ITEM 618.26, "JUNCTION BOX".
 

THE CONTRACTOR SHALL DEVELOP A PLAN SHOWING THE PROPOSED LOCATIONS OF NEW JUNCTION BOXES AND CONDUIT REQUIRED FOR THE NEW STREETLIGHTS. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW ALONG WITH DETAILS OF THE NEW JUNCTION BOXES, CONDUIT, AND WIRING. THIS WORK SHALL BE SUBSIDIARY TO ITEMS 618.23 AND 618.26.
- REMOVAL OF ABANDONED STREETLIGHT FOUNDATIONS AS SHOWN ON THE PLANS OR AS ORDERED SHALL BE SUBSIDIARY TO ITEM 619.15.
- A DECAL SHALL BE APPLIED TO ALL NEW STREETLIGHT POLES ON THE ROADWAY SIDE AT APPROXIMATELY 6 FEET ABOVE FINISH GRADE. FOR DETAILS OF THE DECAL SEE SPECIAL PROVISIONS. COST FOR DECALS SHALL BE SUBSIDIARY TO ITEM 619.15.
- THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING STREET LIGHTING NOT BEING REPLACED REMAINS OPERATIONAL DURING CONSTRUCTION. UNTIL THE NEW STREET LIGHTS ARE OPERATIONAL THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AS DIRECTED BY THE ENGINEER TO COMPENSATE FOR EXISTING STREET LIGHTS THAT HAVE BEEN REMOVED. ALL COSTS FOR ANY TEMPORARY LIGHTING REQUIRED SHALL BE INCLUDED IN ITEM 619.15.

**NEW STREETLIGHT INFORMATION**

| POLE LOCATION<br>STATION | OFFSET    | LENGTH OF<br>POLE (FT) | LENGTH OF<br>ARM (FT) | BREAKAWAY | LUMINAIRE |      | MOUNTING<br>HEIGHT (FT) | REMARKS |
|--------------------------|-----------|------------------------|-----------------------|-----------|-----------|------|-------------------------|---------|
|                          |           |                        |                       |           | WATTS     | TYPE |                         |         |
| 25+42                    | 66' LEFT  | 38±                    | 15                    | YES       | 250       | III  | 40±                     |         |
| 25+18                    | 65' RIGHT | 38±                    | 15                    | YES       | 250       | III  | 40±                     |         |
| 30+70                    | 60' LEFT  | 38±                    | 15                    | YES       | 250       | III  | 40±                     |         |
| 31+01                    | 69' RIGHT | 38±                    | 15                    | YES       | 250       | III  | 40±                     |         |

| ITEM 646.50, "DURABLE LETTER OR SYMBOL (TYPE I TAPE)" |                |                    |
|---|----------------|--------------------|
| DESCRIPTION   | TOTAL QUANTITY | LOCATION           |
| STOP  | 4 x 6 = 24     | EACH RAMP CROSSING |
| TOTAL   | 24             |                    |

| ITEM 646.50, "DURABLE LETTER OR SYMBOL" |                |   |
|---|----------------|---|
| DESCRIPTION                             | TOTAL QUANTITY | LOCATION  |
|   | 7              | EACH RAMP CROSSING                                  |
|   | 14             | EQUALLY SPACED IN BIKEWAY BETWEEN RAMPS D+G AND B+E |
|   | 14             | EQUALLY SPACED IN BIKEWAY BETWEEN RAMPS D+G AND B+E |
| TOTAL                                   | 35             |   |

**SEEDING FORMULA URBAN AREAS**

| % WT. | LBS./A. | NAME                | FUR % | GERM % |
|-------|---------|---------------------|-------|--------|
| 42.5  | 34.0    | CREEPING RED FESCUE | 98    | 85     |
| 10.0  | 8.0     | PERENNIAL RYE GRASS | 95    | 90     |
| 42.5  | 34.0    | KENTUCKY BLUE GRASS | 85    | 85     |
| 5.0   | 4.0     | ANNUAL RYE GRASS    | 95    | 85     |
| 100.0 | 80.0    |                     |       |        |

**SEEDING NOTES:**

**SEED MIXTURE:**  
SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

**SEED:**  
TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

**FERTILIZER:**  
FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

**AGRICULTURAL LIMESTONE:**  
TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

**HAY MULCH:**  
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

**TOPSOIL:**  
TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

|                              |                  |                          |                      |
|------------------------------|------------------|--------------------------|----------------------|
| Town Of                      | SOUTH BURLINGTON | Bridge No.               | 68                   |
| Highway No. U.S.             | 2                | Log Sta.                 |                      |
|                              |                  | Surv. Sta.               |                      |
| U.S. 2 OVER 1-89             |                  |                          |                      |
| <b>BIKEWAY GENERAL NOTES</b> |                  |                          |                      |
| Designed By                  | S.M. HODGDON     | Drawn By                 | C.L. CILLEY          |
| Checked By                   | T.S. BRYANT      | Date                     | 2/00                 |
|                              |                  | Bridge Design Supervisor | C.D. BAKER Date 2/00 |
| PROJECT                      | SOUTH BURLINGTON | PROJECT NO.              | STP BIKE (28)S       |
| VHB Cad Drawing No.          | 50963GNT         | Date                     | 2/00                 |
| Bridge Sheet No.             |                  | Sheet                    | 46 of 75             |