

GENERAL NOTES

49. ~~THE FABRICATOR MAY, WITH THE APPROVAL OF THE STRUCTURES ENGINEER, ALTER THE DESIGN, AS DETAILED, TO MEET THE PLANT'S PRESTRESSING OPERATION AND GENERAL REQUIREMENTS. AN ALTERNATE STRAND CONFIGURATION MAY BE SUBMITTED FOR APPROVAL, PROVIDED THAT THE DESIGN IS STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VERMONT, AND THAT THE DESIGN MEETS ALL OF THE APPLICABLE DESIGN CRITERIA, LOADINGS AND CODES, SPECIFIED IN THESE PLANS.~~
50. ~~THE PRICE PER PRECAST UNIT SHALL INCLUDE DELIVERY TO THE PROJECT IN COLCHESTER, AT THE MOUTH OF THE WINOOSKI RIVER, AND SHALL INCLUDE THE 3/4" DIAMETER TRANSVERSE TENDONS, GALVANIZED CHOCKS WITH 1/2" PLATE, THE 1 1/4" ALL ANCHOR BOLTS, AND THE HOT POURED JOINT SEALER, AND MORTAR TYPE IV, AS SHOWN IN THE PLANS.~~
51. ~~THE 3/4" DIAMETER TRANSVERSE TENDONS SHALL BE POLYSTRAND OR EQUIVALENT. THE 3/4" PLATE SHALL CONFORM TO AASHTO M270 GR 36. THE 1/2" PLATE, AND THE CHOCKS SHALL BE GALVANIZED AFTER FABRICATION, ACCORDING TO AASHTO M232. ALL WORK COVERED IN THIS NOTE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "PRESTRESSED CONCRETE MEMBER."~~
52. ~~THE JOINTS BETWEEN THE SLABS SHALL BE FILLED WITH MORTAR, TYPE IV, IN ACCORDANCE WITH SECTION 510.13b. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE "PRESTRESSED CONCRETE MEMBER."~~
53. ~~THE TRANSVERSE STRANDS SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF THE MORTAR.~~
54. ~~MATERIALS, LABOR AND EQUIPMENT FOR ALL DRILLING, GROUTING AND THE COLD POURED JOINT FILLER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "PRESTRESSED CONCRETE MEMBER", THE GROUT SHALL CONFORM TO MORTAR, TYPE IV.~~
55. BEARING NOTES
- A. The bearing shape factor shall be between 5.0 and 12.0
- B. Any necessary reinforcement between layers of elastomeric shall be steel ASTM grade A36. The Agency will not permit fabric reinforcement.
- C. When using steel reinforcement, these plans refer to the top and bottom layers of elastomeric as bedding layers. The minimum thickness of these layers shall be 1/4". The bedding layers are included in the "Effective Rubber Thickness" (ERT).
- D. Bearing Design Information:
- | | |
|-------------------------|---------------------------------------|
| Loads (unfactored): | R(d1+d2) = 4.4 kips; R(l1) = 9.6 kips |
| Design Method: | Design Method A For bearing design |
| Temperature: | 80 deg. F. |
| Material: | 60 Durometer neoprene. |
| Maximum Bearing Stress: | 1000 psi |
| Design Rotation: | 0.014 rad |
- E. All materials and fabrication shall be per AASHTO division 11 section 10.2 and AASHTO Materials Specification M251.
- F. The Contractor may submit alternative bearing designs for approval. Any alternative submitted shall be designed and certified to meet the loads and criteria shown on the plans and shall maintain the anchorage system shown. The bearings shall be designed according to AASHTO "Standard Section 14 by either method A or B.
- G. The bearings shall be paid for under the item 531.10 "Bearing Device Assembly." There will be a total of 708 Bearing Device Assemblies paid on this project. A bearing device assembly consists of 1 pad at each of the bearing locations shown on sheets 39-51.

AND SUBSECTION 501.07(b)

△ Addendum Two, Note 52, 12-5-02

PROJECT NAME:	Burlington- Colchester		
PROJECT NUMBER:	STP BIKE (45)		
FILE NAME:	st132note.xls	PLOT DATE:	11/8/2002
PROJECT LEADER:	C. S. Keller	DRAWN BY:	M. Evans-Mungovan
DESIGNED BY:	M. Evans-Mungovan	CHECKED BY:	0
GENERAL NOTES SHEET#:		SHEET	31 OF 87