

REINFORCED CONCRETE:

24. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE CONCRETE REINFORCING STEEL INSTITUTE.
25. REINFORCEMENT PLACING TOLERANCES SHALL BE:
SPACING +/- 1"
CLEARANCE +/- 1/4"
26. MINIMUM COVER FOR REINFORCING STEEL (EXCEPT IN THE DECK) SHALL BE 2" IN BACK FACES OF SUBSTRUCTURES AGAINST EARTH, 4" IN PIER COLUMNS AND CAP BEAMS, AND 3" ELSEWHERE, UNLESS OTHERWISE SHOWN.
27. FLAME CUTTING OF EPOXY COATED REINFORCING STEEL SHALL NOT BE PERMITTED.
28. ALL DECK SLAB, CURTAINWALL, AND EXPANSION JOINT HEADER CONCRETE SHALL BE ITEM 501.33 CONCRETE HIGH PERFORMANCE CLASS A. ALL BARRIER CURB CONCRETE SHALL BE ITEM 900.608, "SPECIAL PROVISION (BRIDGE RAILING, F-SHAPE CONCRETE)". ALL SUBSTRUCTURE CONCRETE SHALL BE ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B", EXCEPT AS SHOWN IN THE PLANS.
29. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 1" x 1", UNLESS OTHERWISE SHOWN.
30. ABUTMENT CONCRETE ABOVE BRIDGE SEAT ELEVATIONS SHALL NOT BE PLACED UNTIL GIRDERS HAVE BEEN ERECTED, BEAM PROFILES HAVE BEEN TAKEN, AND FINAL FINISH GRADE OF DECK IS ESTABLISHED BY THE ENGINEER.
31. BRIDGE SEATS SHALL BE SLOPED 1/2" PER FOOT EXCEPT UNDER BEARING PLATES WHERE THE SURFACE SHALL BE LEVEL WITH A CONSTRUCTION TOLERANCE OF 0.005 RADIAN, UNLESS OTHERWISE SHOWN IN THE PLANS. THE ENTIRE BRIDGE SEAT SHALL BE SMOOTH MAGNESIUM STEEL TROWEL FINISHED.
32. IN ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS, SHEAR KEYS SHALL BE FORMED AS SHOWN IN THE TYPICAL BRIDGE DETAILS (3N&S), BRIDGE SHEET BRI29, AND THEY SHALL BE CONTINUOUS UP TO 3' FROM EACH END OF THE JOINT. THE UPWARD KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
33. POLYURETHANE JOINT SEALER SHALL BE USED IN BARRIER CONSTRUCTION JOINTS OR AT FIXED END BARRIER JOINTS AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH THE DETAILS SHOWN IN THE TYPICAL BRIDGE DETAILS (3N&S), BRIDGE SHEET BRI29.
34. THE COST OF INSTALLING PVC WATERSTOPS SHALL BE INCIDENTAL TO ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B". THE TYPE OF PVC WATERSTOP TO BE USED SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL.
35. ITEM 514.10, "WATER REPELLENT, SILANE" SHALL BE APPLIED TO ALL EXPOSED CONCRETE ON THE SUPERSTRUCTURE, EXCEPT THE BOTTOM OF THE DECK BETWEEN THE DRIP BEADS. IT SHALL ALSO BE APPLIED TO ALL EXPOSED NEW AND EXISTING SUBSTRUCTURE CONCRETE.
36. ABUTMENT AND PIER CONCRETE REPAIRS SHALL BE PERFORMED AS REQUIRED BY THE SUBSTRUCTURE REPAIR DETAILS (3N&S), BRIDGE SHEET BRI51. THE SUBSTRUCTURE CONDITION SHEETS, BRIDGE SHEETS BRI58 THROUGH BRI63, WERE DEVELOPED FROM AN AUGUST, 2000 PRELIMINARY INSPECTION, AND SHALL BE USED ONLY AS AN INDICATION OF THE GENERAL CONDITION OF THE SUBSTRUCTURE. A THOROUGH INSPECTION BY THE RESIDENT ENGINEER WILL BE MADE OF ALL SUBSTRUCTURE AREAS AT THE TIME OF CONSTRUCTION, AND THOSE AREAS FOUND TO HAVE SPALLED, DELAMINATED OR OTHERWISE UNSOUND CONCRETE WILL BE REPAIRED. THE CONTRACTOR SHALL SUPPLY ANY STAGING AND LADDERS REQUIRED FOR THIS INSPECTION, THE COST FOR WHICH SHALL BE INCIDENTAL TO ITEM 635.11, "MOBILIZATION/DEMOBILIZATION".
37. WHEN PLANS CALL FOR REINFORCING STEEL OR DOWEL BARS TO BE WRAPPED WITH PIPE INSULATION THE COST OF PIPE INSULATION SHALL BE INCIDENTAL TO REBAR ITEM.
38. PIPE INSULATION THAT IS SHOWN WRAPPED AROUND REBAR SHALL BE INCIDENTAL TO THE REBAR ITEM.

MISCELLANEOUS:

39. ALL FABRIC TROUGHS AND DOWNSPOUTS SHALL BE THOROUGHLY FLUSHED BY THE CONTRACTOR AFTER ALL PAVING IS COMPLETED. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCIDENTAL TO ITEM 406.25, "BITUMINOUS CONCRETE PAVEMENT". FOLLOWING PAVING, ANY BITUMINOUS CONCRETE PAVEMENT THAT IS LODGED IN THE EXPANSION JOINTS, OR THAT ENTERS DRAIN TROUGHS, SCUPPERS, HOPPERS OR DOWNSPOUTS SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE.
40. STONE FILL, TYPE II SHALL BE PLACED ON SLOPES ADJACENT TO WINGWALLS WHERE, IN THE JUDGEMENT OF THE ENGINEER, RUN-OFF MAY CAUSE POTENTIAL EROSION. IN ADDITION, SLOPES SHALL BE REPAIRED BY PLACING STONE FILL, TYPES II AND IV, AND RE-GRADING AS SHOWN. COSTS FOR RE-GRADING SLOPES SHALL BE INCIDENTAL TO ITEMS 613.11, "STONE FILL, TYPE II" AND 613.13, "STONE FILL, TYPE IV".
41. TEMPORARY EROSION CONTROL MEASURES SHALL INCLUDE PLACEMENT OF SILT FENCE, FILTER CURTAIN AND EROSION CONTROL MATTING AROUND WINGWALLS, ABUTMENTS AND PIERS WHERE EXCAVATION AND BACKFILL IS PERFORMED, AS INDICATED IN THE ROADWAY PLANS, OR AS DIRECTED BY THE ENGINEER.
42. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK VEHICLES OR STAGE EQUIPMENT OR MATERIALS AT THE WELCOME CENTER, THE WELCOME CENTER ACCESS ROAD, OR THE PUMP STATION ON BROAD BROOK ROAD.
43. ASPHALTIC PLUG JOINTS ARE TO BE PLACED AT BACK OF ABUTMENTS AT NORTHBOUND ABUTMENT #1 AND SOUTHBOUND ABUTMENT #2.
44. THE CONTRACTOR IS DIRECTED TO REVIEW SUBSECTION 301.06 OF THE SPECIFICATIONS FOR THE ITEM 301.35 "SUBBASE OF DENSE GRADED CRUSHED STONE" AS THE PROJECT QUANTITY IS OVER 1250 CY AND THIS REQUIRES SIGNIFICANT CONTRACTOR EFFORT IN PLANNING AND MATERIALS TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE MAXIMUM DRY DENSITY OF SUBBASE MATERIAL.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	GUILFORD	Bridge No.	3N&S
Highway No.	I-91	Log Sta.	
		Surv. Sta.	
I-91 OVER BROAD BROOK & BROAD BROOK ROAD			
GENERAL NOTES (2 OF 2)			
Designed By	M.J. MOZER	Drawn By	G.K. MORZE
Checked By	Date	Bridge Design Supervisor	
P.W. SZUSTAK	01/03	J.P. HALSTEAD	Date 01/03
PROJECT		PROJECT NO.	
GUILFORD		IM 091-I(33)	
TVGA CAD Drawing No. G_GEN NOTES.dgn		Date 06/10/08	
Bridge Sheet No. BRI02		Sheet 28 of 114	



TVGA ENGINEERING,
SURVEYING, P.C.