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PROJECT NOTES

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION,STANDARD SPECIFICATIONS FOR CONSTRUCTION,AND ITS SUPPLEMENTAL SPECIFICATIONS,AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS,LATEST EDIT,AND ITS LATEST REVISIONS.

2. ALL WORK AND ANY ASSOCIATED ACTIVITY ON THIS PROJECT SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY LIMITS.

3. ALL COSTS ASSOCIATED WITH PROTECTION OF TRAFFIC DURING REMOVAL OF THE BRIDGE PAVEMENT WILL BE INCIDENTAL TO ITEM 525.01,"REMOVAL OF BRIDGE PAVEMENT.

4. WATER REPELLENT,SILANE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE PIERS AND THE UNDERSIDE OF THE DECK. THIS WORK WILL BE PAID FOR UNDER ITEM 540.05,"WATER REPELLENT,SILANE".

5. FOLLOWING THE COMPLETION OF ALL OTHER CONSTRUCTION ACTIVITIES,ALL BEAM SEATS SHALL BE CLEANED OUT,AND ALL FABRIC DRAIN TROUGHS,FINGER JOINT DRAIN TROUGHS,DOWNSPOUTS AND SCUPPERS WITHIN THE LIMITS OF CONSTRUCTION AS SHOWN ON THE BITUMINOUS CONCRETE REMOVAL PLAN,SHALL BE THOROUGHLY FLUSHED BY THE CONTRACTOR.THE COST FOR CLEANING BEAM SEATS AND FLUSHING THE FABRIC DRAIN TROUGHS,FINGER JOINT DRAIN TROUGHS,DOWNSPOUTS AND SCUPPERS WILL BE INCIDENTAL TO ALL OTHER ITEMS IN THE CONTRACT.

TRAFFIC CONTROL

6. THE TRAFFIC CONTROL PLANS SHOWN ON TRAFFIC CONTROL SHEETS 1 THROUGH 5 ARE SCHEMATICS ONLY AND SHOULD BE USED AS REFERENCES. SEE THESE SHEETS FOR DIMENSIONS,SIGN LOCATIONS,AND OTHER PERTINENT DETAILS. SUBMIT TRAFFIC CONTROL PLANS DEPICTING EACH PHASE OF THE PLANNED WORK. PLANS SHALL BE SUBMITTED IN ACCORDANCE WITH SUBSECTION 105.03 AND SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN AN APPROPRIATE DISCIPLINE IN THE STATE OF VERMONT. PAYMENT FOR PREPARING AND SUBMITTING THE TRAFFIC CONTROL PLAN WILL BE INCIDENTAL TO ITEM 616.01,"TRAFFIC CONTROL". THE PLAN WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 616.01,"TRAFFIC CONTROL". THE CONTRACTOR SHALL ALLOW TWO WEEKS FOR APPROVAL OF THE TRAFFIC CONTROL PLANS. NO WORK SHALL COMMENCE UNTIL THE CONTRACTOR HAS AN APPROVED TRAFFIC CONTROL PLAN FOR EACH BRIDGE.

7. UNLESS CONCRETE UNDER REMOVAL PAY ITEMS OR NOTED OTHERWISE,ALL COSTS FOR WORK SHOWN ON TRAFFIC CONTROL SHEETS AND FOR TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING RETROREFLECTIVE DRUMS,SIGNS,AND SIGN POSTS WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR ITEM 616.01,"TRAFFIC CONTROL".THE COST FOR ITEM 616.01,"TRAFFIC CONTROL"IS AGAINST AS SHOWN ON THE QUANTITY SUMMARY SHEETS WAS ESTIMATED.

8. TRAFFIC WILL BE ALLOWED TO DRIVE ON THE BARE CONCRETE BRIDGE DECK AFTER THE REMOVAL OF THE BARRIER MEMBRANE,AND PRIOR TO THE DECK ROAD CLEANED AND PREPARED FOR THE NEW SHEET MEMBRANE.NO TRAFFIC WILL BE ALLOWED ON THE NEW MEMBRANE UNTIL THE SECOND LIFT OF BITUMINOUS CONCRETE PAVEMENT IS IN PLACE.

CONCRETE STRUCTURE AND JOINT REPAIR

9. REPAIRS TO DETERIORATED PORTIONS OF THE SOUTHEAST CORNER OF THE ABUTMENT NO.1 BEAM SEAT AND THE SOUTHWEST CORNER OF THE ABUTMENT NO. 2 BEAM SEAT OF BRIDGE NO.40 SHALL BE PAID FOR UNDER ITEM 590.01,"REPAIR OF CONCRETE SUBSTRUCTURE SURFACE,CLASS A1". THE QUANTITY FOR ITEM 590.01 AS SHOWN ON THE QUANTITY SHEETS IS ESTIMATED.

10. REPAIRS TO DETERIORATED PORTIONS OF THE NORTHEAST CORNER OF THE ABUTMENT NO.2 BEAM SEAT OF BRIDGE NO.42 SHALL BE PAID FOR UNDER ITEM 590.01,"REPAIR OF CONCRETE SUBSTRUCTURE SURFACE,CLASS A1". THE QUANTITY FOR ITEM 590.01 AS SHOWN ON THE QUANTITY SHEETS IS ESTIMATED.

11. THE BRIDGE NO.35 PIER JOINTS SHALL BE REPLACED WITH ASPHALTIC PLUG JOINTS. CONCRETE REPAIRS TO DETERIORATED AREAS ALONG THE JOINTS MAY BE REQUIRED AND SHALL BE PAID FOR UNDER ITEM 590.02,"REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE,CLASS A2". CONCRETE REPAIRS TO DETERIORATED AREAS ALONG BRIDGE NOS.39 AND 42 PIER JOINTS MAY BE REQUIRED AND SHALL BE PAID FOR UNDER ITEM 590.02,"REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE,CLASS A".THE QUANTITY FOR ITEM 590.02 AS SHOWN ON THE QUANTITY SHEETS IS ESTIMATED.

PAVEMENT REMOVAL AND DECK REPAIRS

12. THE FINAL ONE HALF INCH OF PAVEMENT ON THE CONCRETE BRIDGE DECK (AND AT-GRADE APPROACH SLABS IF APPLICABLE)SHALL BE REMOVED BY LOADER,GRADER OR EQUIPMENT SUITABLE FOR THE PURPOSE.THE REMOVED "DAMPIT BRIDGE PAVEMENT" WILL BE INCIDENTAL TO ITEM 525.01,"REMOVAL OF BRIDGE PAVEMENT".

13. DURING BRIDGE (AND AT-GRADE APPROACH SLAB IF APPLICABLE)PAVEMENT REMOVAL,THE CONTRACTOR SHALL EXERCISE CARE TO ENSURE THAT NO DAMAGE OCCURS TO THE EXISTING CONCRETE BRIDGE DECK (AND THE EXISTING APPROACH SLABS IF APPLICABLE). ANY DAMAGE TO THE CONCRETE BRIDGE DECK (OR AT-GRADE APPROACH SLABS IF APPLICABLE)SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. REPAIRS SHALL BE MADE IN ACCORDANCE WITH SECTION 590.

14. CARE SHALL BE TAKEN TO PROTECT ANY SCUPPERS OR DROP INLETS AT ALL STAGES OF CONSTRUCTION. ANY DAMAGE TO THESE STRUCTURES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.

15. AFTER THE REMOVAL OF THE BRIDGE PAVEMENT,THE BARRIER MEMBRANE SHALL BE REMOVED AND THE CONCRETE BRIDGE DECK (AND AT-GRADE APPROACH SLABS IF APPLICABLE)SHALL BE CLEANED IN ACCORDANCE WITH SUBSECTION 590.04 AND TO THE SATISFACTION OF THE ENGINEER.REMOVAL OF THE BARRIER MEMBRANE AND THE CLEANING OF THE CONCRETE BRIDGE DECK WILL BE PAID FOR UNDER ITEM 590.06,"SURFACE PREPARATION FOR MEMBRANE".

16. ONCE THE BARRIER MEMBRANE IS REMOVED,ANY AREAS ON THE CONCRETE BRIDGE DECK (AND AT-GRADE APPROACH SLABS IF APPLICABLE)THAT ARE FOUND TO BE UNSOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE METHOD FOR DETERMINING AREAS OF UNSOUND CONCRETE SHALL BE AS DESCRIBED IN SECTION 590.03.THE ENGINEER WILL MAKE THE DETERMINATION AS TO HOW TO REPAIR THE DETERIORATED PORTION OF THE CONCRETE BRIDGE DECK (AND AT-GRADE APPROACH SLABS IF APPLICABLE)AND THE LIMITS OF THE REPAIR. THE REPAIRS SHALL BE PAID FOR UNDER ITEM 590.03,"REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE,CLASS A1,ITEM 590.04,"REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE,CLASS A2,ITEM 590.05,"REPAIR OF CONCRETE SUPERSTRUCTURE SURFACE,CLASS A3".THE QUANTITIES FOR ITEMS 590.03,590.04 AND 590.05 AS SHOWN ON THE QUANTITY SUMMARY SHEETS ARE ESTIMATED.

17. ANY REPAIR WORK REQUIRING THE USE OF ITEM 590.05,"RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE"SHALL BE APPROVED BY THE ENGINEER.

PAVEMENT AND MEMBRANE

18. UPON THE ENGINEERS APPROVAL OF THE CONCRETE BRIDGE DECK'S CONDITION,ITEM 590.20, "SHEET MEMBRANE WATERPROOFING,FORCH APPLIED"SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 590. THE CONTRACTOR SHALL NOT INSTALL ITEM 590.20,"SHEET MEMBRANE WATERPROOFING,FORCH APPLIED"WHEN THE DECK CONCRETE AND/OR DECK PATCH AREAS HAVE DEVELOPED SIGNIFICANT CRACKS. SECTION 590 SPECIFICATIONS OR MANUFACTURER'S SPECIFICATIONS,WHICHEVER IS LOST.

19. FOLLOWING THE INSTALLATION OF THE NEW SHEET MEMBRANE WATERPROOFING ON THE CONCRETE BRIDGE DECK,THE CONCRETE BRIDGE DECK (AND THE AT-GRADE APPROACH SLABS IF APPLICABLE)SHALL BE PAVED WITH ITEM 390.01,"BITUMINOUS MATERIAL PROVIDER BITUMINOUS CONCRETE PAVEMENT,SMALL QUANTITY"IN ONE LIFT.THE PAVEMENT SHALL BE TYPE VS FOR BOTH LIFTS,NO EXCEPTIONS.

20. CARE SHALL BE EXERCISED TO SMOOTHLY TRANSITION THE NEW BRIDGE PAVEMENT INTO THE EXISTING PAVEMENT. THE COST FOR PAVING THE TRANSITIONS AND APPROACHES SHALL BE PAID FOR UNDER ITEM 210.01,"COLD PLANING,BITUMINOUS PAVEMENT".

21. TESTING FOR PAVEMENT DENSITY WILL REQUIRE CORES OF THE PAVEMENT ON THE BRIDGE. THE COST FOR THE WORK WILL BE CONSIDERED INCIDENTAL TO ITEM 390.0A,"SPECIAL PAVEMENT MIXTURE,TYPE VS".THE CORE HOLES SHALL BE FILLED WITH ITEM 390.01 THE NEW SHEET MEMBRANE.CORES BY COPING THE PAVEMENT SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.

22. FOR PG BINDER GRADE SEE THE SPECIAL PROVISIONS FOR PXX ITEM 390.0A01.

23. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE OF 0.05 GAL/SY TO ALL COLD-PLANED SURFACES AND AT A RATE OF 0.03 TO 0.04 GAL/SY BETWEEN PAVEMENT LIFTS. PAVEMENT SHALL BE UNDER ITEM 406.A01,"EMULSIFIED ASPHALT".

24. THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT MARKINGS ON ALL PAVED SURFACES THAT WILL NOT HAVE THE PERMANENT MARKINGS APPLIED WITHIN 14 CALENDAR DAYS OF THE FINAL PAVING OPERATIONS AS DIRECTED BY THE ENGINEER.

25. UPON COMPLETION OF ALL PAVING OPERATIONS,FINAL PAVEMENT MARKINGS SHALL BE INSTALLED TO REPLICATE THE EXISTING CONFIGURATION.

VAST CONSULTING INC Civil Structural Transportation 802 Cornwall Drive, Burlington VT 05403 802-862-0497 FAX 802-862-0499 www.vastconsulting.com Middlebury • Burlington • Montpelier	PROJECT NAME: BRIDGEWATER PROJECT NUMBER: BF MEM(8)541 FILE NAME:BRIDGE-PAVING.dgn PLOT DATE: 1/28/2005 PROJECT LEADER: JPB DRAWN BY: WMS DESIGNED BY: SMB CHECKED BY: ALC INDEX OF SHEETS AND PROJECT NOTES SHEET 2 OF 36

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