Table of Contents _____ 1
Addendum 1 Letter _____ 2
Addendum 1 Plans _____ 3

State of Vermont
Contract Administration
Barre City Place
219 North Main Street, Suite 105
Barre VT 05641
http://vtrans.vermont.gov

Agency of Transportation
Finance & Administration
[phone] 802-622-1285
[ttd] 800-253-0191

November 6, 2026

C03296 – Topsham BF 031-1(13)

ADDENDUM #1

Bidders:

Changes have been made to the documents located on the Bid Opportunity website as noted below:

REVISED: Plan sheet 6.

ADDED:

DELETED:

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2024, AND ITS LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 10TH EDITION, AND ITS LATEST REVISIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CONSISTENCY BETWEEN THE FABRICATOR'S SHOP DRAWINGS AND ENSURING THAT ALL PRECAST COMPONENTS FIT TOGETHER.

3. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.

EARTHWORK

4. COORDINATE WITH THE VT ANR RIVER MANAGEMENT ENGINEER – AS REQUIRED BY THE ANR RME CONSULTATION– A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT INCLUDE WORK IN OR ADJACENT TO THE CHANNEL. THIS COORDINATION REQUIREMENT INCLUDES APPROVAL OF STREAM BED MATERIAL AND FOR CONSULTATION REGARDING FINAL GRADING OF THE CHANNEL.

5. ALL STRUCTURE REMOVAL WITHIN THE LIMITS OF STRUCTURE EXCAVATION SHALL BE INCLUDED IN ITEM 204.2500 STRUCTURE EXCAVATION. STRUCTURE REMOVAL OUTSIDE THOSE LIMITS WILL BE PAID FOR AS ITEM 529.1500 REMOVAL OF STRUCTURE AND MAY INCLUDE REMOVAL BELOW THE PAY LIMITS OF STRUCTURE EXCAVATION.

TRAFFIC CONTROL

6. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF A SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION. CLEARLY DETAIL HOW TRAFFIC WILL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION. SPECIFY ALL CONSTRUCTION ACTIVITIES REQUIRING ROAD CLOSURE, RELATE THOSE ACTIVITIES TO THE CONSTRUCTION SCHEDULE, AND SHOW APPROPRIATE TEMPORARY TRAFFIC CONTROL. PAYMENT FOR FLAGGERS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PAID SEPARATELY UNDER THEIR RESPECTIVE BID ITEMS. PAYMENT FOR ALL OTHER ACTIVITIES AND MATERIALS ASSOCIATED WITH THIS WORK WILL BE INCLUDED IN ITEM 641.1100 "TRAFFIC CONTROL, ALL-INCLUSIVE."

7. ANY REMOVAL, COVERING AND/OR RESETTING OF EXISTING TRAFFIC SIGNS, AS DEEMED NECESSARY BY THE ENGINEER, WILL BE INCIDENTAL TO ITEM 641.1100 "TRAFFIC CONTROL, ALL-INCLUSIVE".

8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO CROSSROAD AND CHARLES CILLEY ROAD DURING CONSTRUCTION.

CONCRETE/PRECAST CONCRETE

9. THE PILE CAP SHALL MEET THE REQUIREMENTS OF PERFORMANCE-BASED CONCRETE, CLASS PCS AND BE PAID FOR UNDER ITEM 501.3800 "PERFORMANCE-BASED CONCRETE, CLASS PCS."

10. ALL RECESSED LIFTING POINTS AND BLOCK OUTS SHALL BE FILLED WITH MORTAR, TYPE IV PER SUBSECTION 540.11 AND 707.01(e). PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE CORRESPONDING PRECAST ITEM.

11. THE CONTRACTOR SHALL DETERMINE THE METHOD OF FORMING FOR SUBSEQUENT POURS AFTER PLACING ANY PRECAST UNIT. THE CONTRACTOR IS ENCOURAGED TO WORK WITH THE FABRICATOR IF ADDITIONAL SUPPORTS ARE REQUIRED. THE CONTRACTOR CANNOT ATTACH ADDITIONAL FORM OR SCREED SUPPORTS BY DRILLING OR SIMILAR MEANS INTO ANY PRECAST UNIT.

12. WATER REPELLENT, SILANE SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 514 AND SHALL BE FIELD APPLIED TO ALL EXPOSED EXTERIOR SURFACES OF ALL CONCRETE STRUCTURES. SILANE WILL BE PAID UNDER ITEM 514.1000 – WATER REPELLENT, SILANE.

13. ALL CORNERS OF CONCRETE SHALL BE CHAMFERED 1" PER SD-501.00, UNLESS NOTED OTHERWISE.

14. THE PRECAST CONCRETE RIGID FRAME AND HEADWALLS SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS REFERENCED IN PROJECT NOTE 1. DESIGNS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF VERMONT. THE CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS AND CALCULATIONS TO THE ENGINEER IN ACCORDANCE WITH SECTION 105. USE THE FOLLOWING DESIGN CRITERIA:
    - A. SOIL UNIT WEIGHT = 140 PCF
    - B. DESIGN LIVE LOAD = HL-93
    - C. AT-REST EARTH PRESSURE (K_O) = 0.44
    - D. REQUIRED DESIGN LIFE = 75 YEARS
    - E. FOUNDATIONS ARE NOT DESIGNED TO RESIST THRUST FORCES FROM THE RIGID FRAME. EVALUATE THE FRAME IN BOTH A PINNED-ROLLER AND PINNED-PINNED FOUNDATION CONNECTION CONFIGURATION.

15. PRECAST FRAME DETAILS ARE SHOWN FOR REFERENCE ONLY. THE ACTUAL DIMENSIONS AND CONFIGURATION WILL BE DEPENDENT ON THE FABRICATOR. THE SPAN, RISE, AND LENGTH OF THE RIGID FRAME SHALL BE NO LESS THAN SHOWN IN THE TYPICAL SECTIONS AND STRUCTURE DETAILS.

16. THE FABRICATOR SHALL SUPPLY THE STATE WITH THE LRFD LOAD RATING FACTORS FOR THE RIGID FRAME. COMPLETE AND SUBMIT THE LOAD RATING TABLE ON THE PRELIMINARY INFORMATION SHEET. SUBMIT THE LOAD RATING WITH THE BOX CULVERT DESIGN. INCLUDE LOAD RATING FACTORS FOR THE EV II AND EV III EMERGENCY VEHICLES.

17. THE ABUTMENTS HAVE NOT BEEN EVALUATED FOR CONSTRUCTION SURCHARGE. THE CONTRACTOR'S ERECTION PLAN SHALL INCLUDE CONSIDERATIONS FOR AVOIDING CONSTRUCTION SURCHARGE APPLIED TO THE PILE CAPS BY PLACING CRANES AT A DEPTH EQUAL OR GREATER THAN THE DEPTH OF THE BACKFILL ABOVE THE BOTTOM OF THE PILE CAP.

18. BEFORE SETTING FRAME SECTIONS, BACKFILL THE ABUTMENTS TO THEIR TOP SURFACES.

19. WATERPROOFING MEMBRANE SYSTEM, TYPE III - MEETING THE REQUIREMENTS OF SUBSECTION 726.08(c) - SHALL BE APPLIED IN TWO-FOOT, OR GREATER, WIDTH STRIPS OVER THE TOP OF THE JOINTS OF THE RIGID FRAME. EXTEND THE SHEET MEMBRANE DOWN THE ENTIRE SIDE AND ACROSS THE TOP OF EACH STRUCTURAL UNIT. COVER THE SIDES OF THE STRUCTURES PRIOR TO THE TOPS. ANY OVERLAPPING OF MEMBRANE SHALL BE DONE IN A SHINGLED STYLE WITH A MINIMUM OVERLAP OF ONE FOOT. A 1" THICK POLYSTYRENE INSULATION BOARD - MEETING THE REQUIREMENTS OF SUBSECTION 735.01 - SHALL BE PLACED OVER THE MEMBRANE PRIOR TO BACKFILLING. PAYMENT FOR THIS WORK AND MATERIALS IS INCIDENTAL TO THE RESPECTIVE PRECAST CONCRETE ITEM.

REINFORCING STEEL

20. REINFORCING STEEL IN HEADWALLS AND CONCRETE FRAME SHALL CONFORM TO THE REQUIREMENTS OF ITEM 507.1200 "REINFORCING STEEL, LEVEL II."

21. REINFORCING STEEL IN THE RETAINING WALLS AND ABUTMENTS SHALL CONFORM TO THE REQUIREMENTS OF ITEM 507.1100 "REINFORCING STEEL, LEVEL I (EPOXY COATED)."

22. REINFORCING STEEL CLEAR COVER REQUIREMENTS ARE STATED ACCORDING TO THE FOLLOWING, UNLESS OTHERWISE NOTED IN THE PLANS:

A.	INSIDE FACES OF FRAME	1.5 INCHES
B.	EXPOSED TO EARTH OR WEATHER	2.0 INCHES
C.	TOP OF OUTSIDE FACES OF FRAME	2.0 INCHES
D.	DIRECT EXPOSURE TO DEICING SALTS (HEADWALL FASCIA, CURB, ETC.)	3.0 INCHES
E.	CAST-IN-PLACE DIRECTLY AGAINST EARTH	3.0 INCHES

23. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL REINFORCING STEEL SCHEDULES FOR ALL PRECAST AND CAST-IN-PLACE CONCRETE COMPONENTS.

24. TEST BARS SHALL BE PROVIDED IN ACCORDANCE WITH THE "VERMONT AGENCY OF TRANSPORTATION MATERIAL SAMPLING MANUAL" AVAILABLE ON THE AGENCY WEBSITE. ALL COSTS ASSOCIATED WITH PROVIDING BARS FOR TESTING WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE PRECAST ITEM.

WINGWALLS

25. CAST-IN-PLACE OR PRECAST WINGWALLS SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER OR FABRICATOR, RESPECTIVELY. ALL DESIGN WORK SHALL BE IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS REFERENCED IN PROJECT NOTE 1. ALL DESIGN SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF VERMONT. THE CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS AND CALCULATIONS TO THE ENGINEER IN ACCORDANCE WITH SECTION 105. USE THE FOLLOWING DESIGN CRITERIA:
    - A. SOIL UNIT WEIGHT = 140 PCF
    - B. DESIGN LIVE LOAD = HL-93
    - C. AT-REST EARTH PRESSURE (K_O) = 0.44
    - D. FOR BEARING RESISTANCE STRENGTH LIMIT STATE, USING A FACTOR OF 0.45, THE FACTORED BEARING RESISTANCE IS 7.9 KSF.
    - E. FOR BEARING RESISTANCE SERVICE LIMIT STATE, USING A FACTOR OF 1.0, THE FACTORED BEARING RESISTANCE IS 9.8 KSF.

26. THE DESIGN OF THE WALLS MUST INCORPORATE PROVISIONS FOR ADJACENT OBSTRUCTIONS SUCH AS DRAINAGE FEATURES AND GUARDRAIL POSTS IF NECESSARY. DETAIL ANY CHANGES TO THE WALL SYSTEM IN THE FABRICATION DRAWINGS.

27. A BRIDGE PLAQUE FURNISHED BY THE AGENCY SHALL BE CAST INTO THE FACE OF THE FRAME UNIT ON THE WINGWALL #2 SIDE. SEE S-501 FOR FURTHER DETAILS.

MICROPILES

28. THE FACTORED AXIAL DESIGN LOAD PER PILE IS 184.3 KIPS AS PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS STRENGTH LOAD I LOAD COMBINATION. THE FACTORED STRUCTURAL RESISTANCE PER PILE IS 687 KIPS AND IS THE PRODUCT OF THE NOMINAL STRUCTURAL RESISTANCE OF 916 KIPS AND A RESISTANCE FACTOR OF 0.75.

29. DETERMINATION OF PILE RESISTANCE AND PILE INTEGRITY SHALL BE PERFORMED USING THE MICROPILE VERIFICATION LOAD TEST (ITEM 547.3000) METHOD WITH A RESISTANCE FACTOR OF 0.70 PER AASHTO 10.9.3.5.4. PILE SHALL BE INSTALLED TO ACHIEVE A FACTORED RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED AXIAL LOAD.

30. A MINIMUM OF ONE VERIFICATION LOAD WILL BE REQUIRED TO BE PERFORMED FOR THE STRUCTURE AND ONE PROOF TEST FOR EACH ABUTMENT.

31. THE VERIFICATION PILE SHALL BE REMOVED OR ABANDONED SUCH THAT THE TOP OF THE MICROPILE IS A MINIMUM OF 3 FT BELOW THE FINAL GROUND SURFACE.

32. VERIFICATION MICROPILE SHALL BE SUBJECTED TO THE LOADING SCHEDULE AS NOTED IN THE SPECIFICATIONS AND TO THE DESIGN LOAD AS NOTED IN THE MICROPILE TABLE PROVIDED IN THE PLANS. THE VERIFICATION TENSION LOAD TEST SHALL HAVE A BOND ZONE LENGTH OF 10 FEET, AS NOTED IN THE VERIFICATION LOAD TEST PLAN. A PVC SLEEVE SHALL BE PLACED AROUND THE THREADED REINFORCING STEEL TO ISOLATE THE THREADED REINFORCING STEEL FROM THE MORTAR THROUGHOUT THE UNBONDED LENGTH.

33. THE MORTAR WITHIN A MIICROPILE MUST ATTAIN THE MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI PRIOR TO PERFORMING THE LOAD TESTING.

34. EXTEND MICROPILE CASING A MINIMUM OF 1 FOOT BELOW TOP OF BEDROCK. UNCASED PORTION OF THE MICROPILE A MINIMUM OF 10 FEET BELOW THE BOTTOM OF THE CASING. CONSTRUCTION OF PRODUCTION MICROPILES SHALL NOT BEGIN UNTIL THE VERIFICATION LOAD TEST RESULTS HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER. THE ENGINEER WILL PROVIDE A RESPONSE TO THE CONTRACTOR WITHIN 3 WORKING DAYS AFTER RECEIPT OF THE WRITTEN SUMMARY OF THE VERIFICATION LOAD TEST RESULTS.

35. ESTIMATED TOP OF BEDROCK AND PILE TIP LOCATIONS INDICATED WITHIN THESE PLANS MAY VARY AND SHALL BE CONFIRMED BY THE E NGINEER. APPROXIMATE ELEVATIONS PROVIDED ARE ESTIMATED BASED ON BORINGS AT OR NEAR THE PROPOSED SUBSTRUCTURE LOCATION. ACTUAL TOP OF BEDROCK ELEVATIONS AT EACH MICROPILE LOCATION MAY VARY. FINAL MICROPILE LENGTH SHALL BE ADJUSTED BASED ON ACTUAL TOP OF BEDROCK ELEVATION TO ENSURE REQUIRED BOND ZONE LENGTH IS ACHIEVED. IF TOP OF BEDROCK VARIES SIGNIFICANTLY FROM ESTIMATED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

36. TENSION PROOF LOAD TESTS SHALL BE PERFORMED ON A MINIMUM OF TWO (2) PRODUCTION MICROPILES AT THE LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

1 37. ANCHOR PLATES INSTALLED ON TOP OF THE MICROPILE CASING SHALL MEET THE REQUIREMENTS OF SECTION 714.03 AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 547.1000 MICROPILE, CASED (10.75 INCH O.D.)

38. A QUANTITY OF ITEM 547.2000 MICROPILE OBSTRUCTION DRILLING AND REMOVAL HAS BEEN INCLUDED IN THE PLANS. THE EXISTING STRUCTURE WILL NOT BE CONSIDERED A DRILLING OBSTRUCTION TO BE PAID FOR UNDER THIS ITEM.

MISCELLANEOUS

1 ~~37.~~ 39. THE CONTRACTOR SHALL PROVIDE A SITE-SPECIFIC EROSION PREVENTION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH SECTION 653 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. ESTIMATED QUANTITIES FOR EPSC WORK HAVE BEEN INCLUDED IN THE CONTRACT FOR BIDDING PURPOSES. IF THE CONTRACTOR'S EPSC PLAN REQUIRES ITEMS OF WORK THAT ARE NOT INCLUDED IN THE PLANS, THE EXTRA WORK WILL BE PAID FOR AS PART OF ITEM 653.0300 – MAINTENANCE OF EPSC PLAN.

~~38.~~ 40. METAL PLATES THAT HAVE BEEN INSTALLED ON THE EXISTING BRIDGE DECK SHALL BE SALVAGED AND RETURNED TO THE DISTRICT. SEE NOTICE TO BIDDERS NO. 19.

ADDENDUM	REVISION	DATE	DESCIPTION	BY
1	1	11-6-2026	ADDED NEW NOTES #37 AND #38 RENUMBERED REMAINING NOTES	CLB

PROJECT NAME: TOPSHAM
PROJECT NUMBER: BF 031-1(13)

FILE NAME: s19b210notes.dgn
PROJECT LEADER: C. BURRALL
DESIGNED BY: G. DARGAN
GENERAL NOTES

PLOT DATE: 6-NOV-2026
DRAWN BY: G. DARGAN
CHECKED BY: C. BURRALL
SHEET 6 OF 47