STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF CAVENDISH
COUNTY OF WINDSOR

ROUTE NO. TH 1 (CLASS 2), LOCAL TOWN ROAD, BRIDGE 58

PROJECT LOCATION: ON TH 1 (DEPOT STREET), BRIDGE 58 OVER THE BLACK RIVER APPROXIMATELY 0.1 MILES SOUTHEAST OF THE JUNCTION WITH VT 131.

PROJECT DESCRIPTION: FULL REPLACEMENT OF EXISTING BRIDGE ORIGINALLY 1908 OVER THE BLACK RIVER APPROXIMATELY 0.1 MILES SOUTHEAST OF THE JUNCTION WITH VT 131.

REVIEWER NOTES:
1. THE BRIDGE WAS CLOSED DUE TO STRUCTURAL DEFICIENCIES ON 10/23/2015.
2. THERE IS AN 8" MUNICIPAL SEWER MAIN (GRAVITY) ON THE WESTERLY SIDE OF THE EXISTING BRIDGE, AND AN 8" INSULATED WATER MAIN ON THE EASTERLY SIDE. 3 PHASE TRANSMISSION AND COMMUNICATION CABLES RUN ALONG AND ACROSS TH 1 NEXT TO THE EXISTING BRIDGE. THESE UTILITIES WILL NEED TO BE RELOCATED FOR THIS PROJECT.
3. EXISTING RIGHT-OF-WAY IS CLOSE TO THE EXISTING BRIDGE AND WINDWALLS. IT IS ANTICIPATED THAT SUBSTANTIAL RIGHT-OF-WAY WILL BE NEEDED FOR CONSTRUCTION.
4. PROPOSED SUPERSTRUCTURE AND SUBSTRUCTURES SHOWN ARE CONCEPTUAL IN NATURE AND WILL BE DESIGNED AT A LATER TIME.
5. PROPOSED BRIDGE FINAL GRADE RAISED 3" TO ACCOUNT FOR MINIMUM LOW BEAM ELEVATION, IN ACCORDANCE WITH A SITE FLOOD INSURANCE SURVEY. THE ROADWAY AND BRIDGE CANNOT BE RAISED HIGHER THAN 0.3'.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARDS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2016 AS APPROVED BY THE STATE OF VERMONT. ALL DEFICIENCIES NOTED IN THE PROJECT MUST BE CORRECTED BEFORE AND ALL DESIGNER WATERWAYS ARE THERAPY PROBLEMS ARE TO BE CORRECTED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM: LEVEL 2
SURVEYED BY:
SURVEYED DATE: 6-15-2014

PROJECT MANAGER: ROB YOUNG, P.E.
PROJECT NUMBER: BD 1442 (38)
SHEET 1 OF 8 SHEETS

CONCEPTUAL PLANS
28-JAN-2016
EXISTING BRIDGE INFORMATION
87 FEET LONG
2-SPAN CONCRETE
T-Beam Bridge
BUILT 1940
34' FASCIA TO FASCIA

EXISTING CONDITIONS
SCALE 1" = 20'-0"

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 933.25

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 926.58

EXISTING BRIDGE INFORMATION
87 FEET LONG
2-SPAN CONCRETE
T-Beam Bridge
BUILT 1940
34' FASCIA TO FASCIA

EXISTING CONDITIONS
SCALE 1" = 20'-0"

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 933.25

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 926.58

EXISTING BRIDGE INFORMATION
87 FEET LONG
2-SPAN CONCRETE
T-Beam Bridge
BUILT 1940
34' FASCIA TO FASCIA

EXISTING CONDITIONS
SCALE 1" = 20'-0"

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 933.25

BENCHMARK
TOP OF BOLT BETWEEN E & L
ELEV. = 926.58
MAINLINE PROFILE

HOR. SCALE 1" = 20'-0"
VER. SCALE 1" = 10'-0"

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND GRADES ALONG THE PROPOSED ALIGNMENT.

ELEVATIONS ALONG THE PROPOSED ALIGNMENT.

PROJECT NAME: CAVERNISH
PROJECT NUMBER: 80-142/381

FILE NAME: CAVS01/381
PLOT DATE: 20-JAN-2016
DRAWN BY: T. MATTHEWS
CHECKED BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS
WORK PROFILE

Sheet 1 of 10
BEGIN APPROACH

STA.20+25 TO STA.21+00

FG = 931.58
BEGIN PROJECT

BEGIN BRIDGE @ 21+63
STA.22+25 TO STA.23+00

22+50

22+75

END BRIDGE @ 22+57

FG = 930.67

FG = 930.48

FG = 930.28

FG = 930.06

END BRIDGE @ 22+57
STA.23+25 TO STA.24+00
END APPROACH

FG = 929.78

23+50

FG = 929.45

24+00

23+25
END PROJECT

23+75
END APPROACH