

# SITE SPECIFIC TRAFFIC CONTROL PLAN

FOR

**FAIRFIELD BRO 1448 (41)**

(State of Vermont, Agency of Transportation

Town Highway 1, South Road, Bridge 14, Fairfield, VT)

FOR

**A.L. St. Onge Contractor, Inc.**

PO BOX 65  
MONTGOMERY, VT 05470

January, 2015

Prepared by:



Revised 02/16/2015



**RUGGLES ENGINEERING SERVICES INC.**

Ruggles Engineering Services, 4580 Memorial Drive, St. Johnsbury, VT 05819

[www.rugglesengineeringservices.com](http://www.rugglesengineeringservices.com)

### **Construction Activities Before the BCP**

- Construction Approach Signing Installation- Flaggers and Temporary Flagging Sign Package set up in advance of the Activities. Single Lane traffic maintained. Construction Approach Signing guided by Standard T10 and detailed on TCP5.
- Daily Bridge Closure Period- The single family (Howes) beyond the Bridge, will be in the understanding the Bridge will be closed for extended periods of time daily, and during this time, vehicles will not readably be able to cross. Two-way traffic will be returned daily **to existing conditions that will allow safe travel** at the end of **each** Daily Bridge Closure Period work. On the occurrence Emergency vehicles need to cross the bridge during the Daily Bridge Closures, the road will be reconstructed at means possible to allow the Emergency to be addressed. Offsite Parking for the Howes is to be coordinated with the Town Of Fairfield. **TRAFFIC CONTROL** note 6. Route 36 traffic will be controlled with Flaggers and Temporary Sign Packages as material deliveries occur and stationed as detailed in TCP 5.

### **Construction Activities During the Bridge Closure Period**

- the single family (Howes) beyond the Bridge, will be in the understanding the Bridge will be closed continuously throughout the BCP. Vehicles will not be able to cross. On the occurrence of Emergencies, or any traffic, the Town Of Fairfield is responsible. **TRAFFIC CONTROL** note 6. The Road will closed and barricaded as detailed TCP3. Route 36 traffic will be controlled with Flaggers and their Temporary Sign Packages, as material deliveries occur. Work is scheduled only for daylight periods, on the occurrence work continues into limited daylight and Route 36 traffic need attention, Portable Light Stations will be set up illuminating the Flaggers Positions as detailed in Report 476 NCHRP.

### **Construction Activities After the BCP**

- Normal Town Highway 47 traffic is restored, **all Traffic Control Devices on TH 47 removed**. Route 36 traffic will be controlled with Flaggers and their Temporary Sign Packages for single lane traffic during daylight periods until **demobilization** Activities Conclude.

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT BRIDGE PROJECT

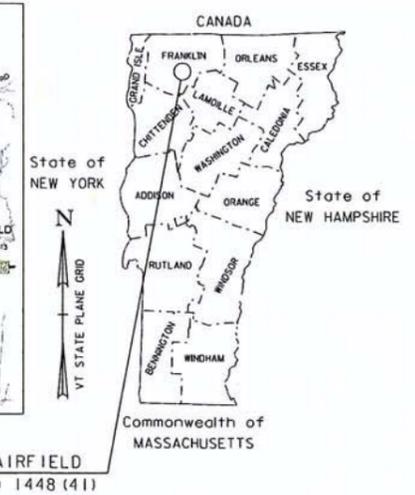
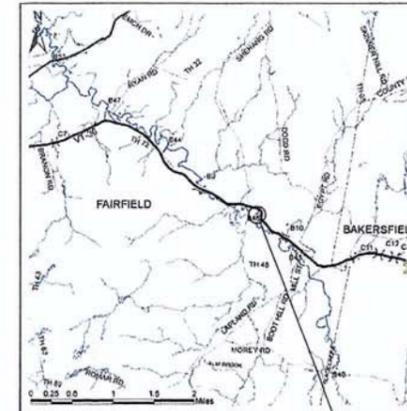
TOWN OF FAIRFIELD  
COUNTY OF FRANKLIN

ROUTE NO : ELM BROOK ROAD, TOWN HIGHWAY 47 (CLASS 3)      TOWN BRIDGE NO : 46

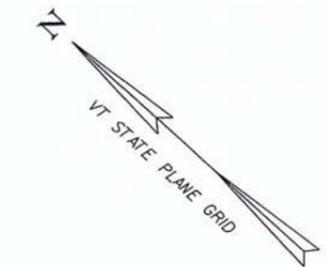
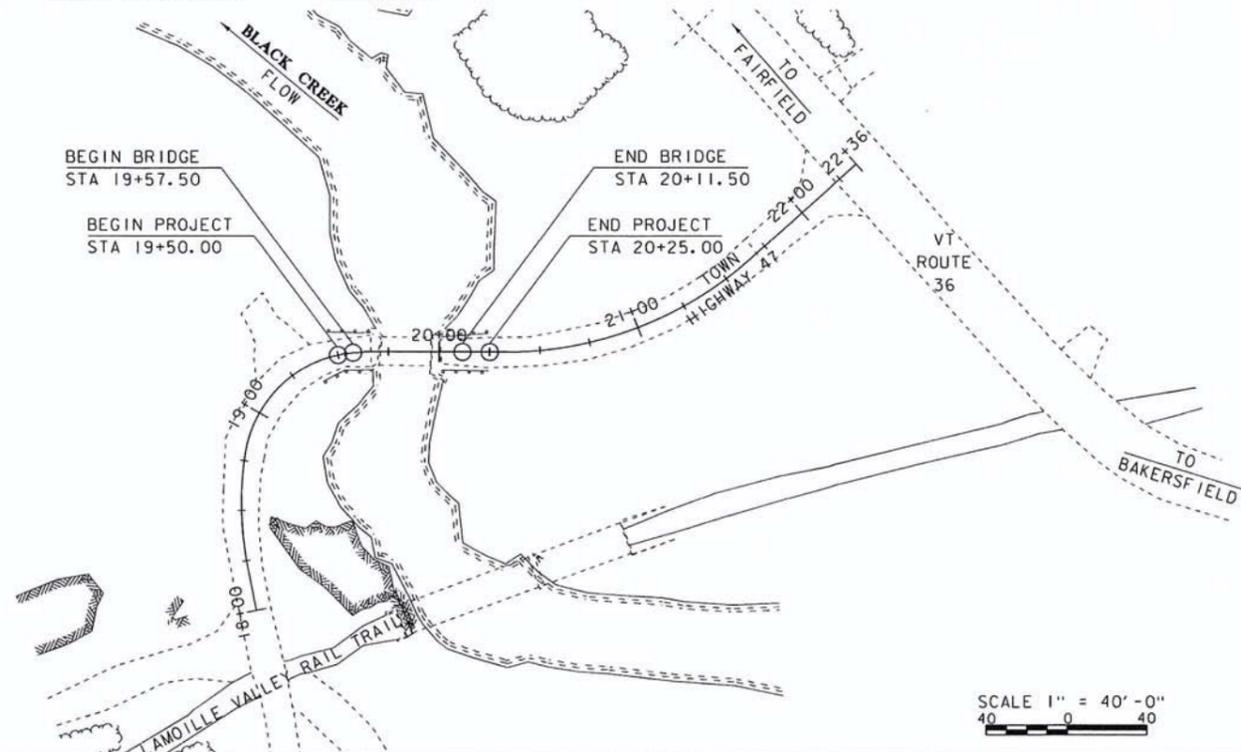
PROJECT LOCATION:      LOCATED 0.05 MILES WESTERLY OF THE JUNCTION OF TOWN HIGHWAY 47 AND VT ROUTE 36.

PROJECT DESCRIPTION: REPLACEMENT OF EXISTING BRIDGE WITH RELATED ROADWAY APPROACH AND CHANNEL WORK.

LENGTH OF STRUCTURE:      54.00 FEET  
LENGTH OF ROADWAY:      21.00 FEET  
LENGTH OF PROJECT:      75.00 FEET



FAIRFIELD  
BRO 1448 (41)



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.  
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2

SURVEYED BY : L. ORVIS  
SURVEYED DATE : 3-11-2012

DATUM  
VERTICAL      NAVD88  
HORIZONTAL      NAD 83 (07)

SCALE 1" = 40'-0"  
40      0      40

PROJECT MANAGER : R. YOUNG, P.E.  
PROJECT NAME : FAIRFIELD  
PROJECT NUMBER : BRO 1448 (41)  
SHEET 38 OF 69 SHEETS

TCP1

**GENERAL**

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE VERMONT AGENCY OF TRANSPORTATION 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, AND THEIR LATEST REVISIONS.
2. ALL PRECAST/PRESTRESSED CONCRETE ELEMENTS SHALL BE FABRICATED TO THE SPECIFIED DIMENSIONS AND ERECTED IN THE SPECIFIED LOCATIONS, ALL WITHIN TOLERANCES DEFINED ON THE PLANS AND IN THE PRECAST/PRESTRESSED CONCRETE INSTITUTE TOLERANCE MANUAL FOR PRECAST AND PRESTRESSED CONCRETE CONSTRUCTION, MNL 135-00, AND ITS LATEST REVISIONS.
3. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.

**TRAFFIC CONTROL**

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A SITE SPECIFIC TRAFFIC CONTROL PACKAGE IDENTIFYING CONSTRUCTION ACTIVITIES BEFORE, DURING, AND AFTER THE BRIDGE CLOSURE PERIOD. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE PROJECT MANAGER FOR ALL STAGES OF CONSTRUCTION, FOR APPROVAL PER SUBSECTION 105.03. ALL COSTS SHALL BE INCLUDED IN ITEM 900.645, "SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE)(BRO 1448(41))". SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
5. ALL ITEMS REQUIRED TO IMPLEMENT THE CONTRACTOR'S TRAFFIC CONTROL PLAN WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCLUDED IN THE BID PRICE FOR ITEM 900.645, "SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE)( BRO 1448(41))".
6. THE TOWN OF FAIRFIELD IS RESPONSIBLE FOR PROVIDING MEANS OF ACCESS FOR THE RESIDENTS OF ELM BROOK ROAD DURING THE BRIDGE CLOSURE PERIODS.
7. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. FOR ADDITIONAL SIGNING INSTRUCTIONS SEE THE T SERIES OF THE STANDARDS. WHERE CONFLICTS EXIST, THE MUTCD SHALL GOVERN.

PROJECT NAME: FAIRFIELD	
PROJECT NUMBER: BRO 1448 (41)	
FILE NAME: sl2j170gen.dgn	PLOT DATE: 11-SEP-2014
PROJECT LEADER: R. YOUNG	DRAWN BY: R. KLINEFELTER
DESIGNED BY: R. KLINEFELTER	CHECKED BY: J. SALVATORI
GENERAL NOTES	SHEET 40 OF 69

TCP2

**NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIGNS AND BARRICADES SHOWN ON THIS SHEET AND SIDE ROAD APPROACH SIGNING ON VT ROUTE 36. THEY SHALL BE PAID FOR UNDER ITEM 900.645, "SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE)".
2. TEMPORARY TRAFFIC BARRIER AT EACH END OF THE PROJECT SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 621 AND PAYMENT SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 900.645, "SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE)".
3. SIDE ROAD APPROACH SIGNING SHALL BE INSTALLED ON VT 36 IN ACCORDANCE WITH STANDARD T-10.



R11-2D B/W SIGN MOUNTED ON TYPE III BARRICADE (MODIFIED)

Modified Traffic Barricade to be staggered to allow for vehicle access.

Modified Traffic Barricade to be staggered to allow for vehicle access.

LEGEND	
N/C	- NEW/CONSTRUCTION ONLY
B/O	- BLACK/ORANGE
B/W	- BLACK/WHITE
	- TYPE III BARRICADE
	- TYPE III BARRICADE (MOD.)
	- TEMPORARY TRAFFIC BARRIER

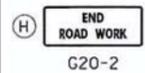
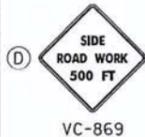
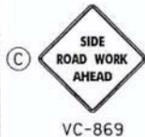
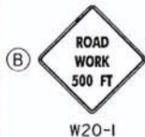
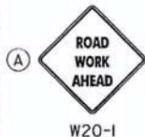
**TRAFFIC LAYOUT SHEET**

SCALE 1" = 20'-0"  
20 0 20

PROJECT NAME:	FAIRFIELD	PLOT DATE:	10-SEP-2014
PROJECT NUMBER:	BRO 1448(41)	DRAWN BY:	K. FRIEDLAND
FILE NAME:	sl2j170traff.dgn	DESIGNED BY:	R. KLINEFELTER
PROJECT LEADER:	R. YOUNG	CHECKED BY:	J. SALVATORI
TRAFFIC LAYOUT SHEET		SHEET	49 OF 69

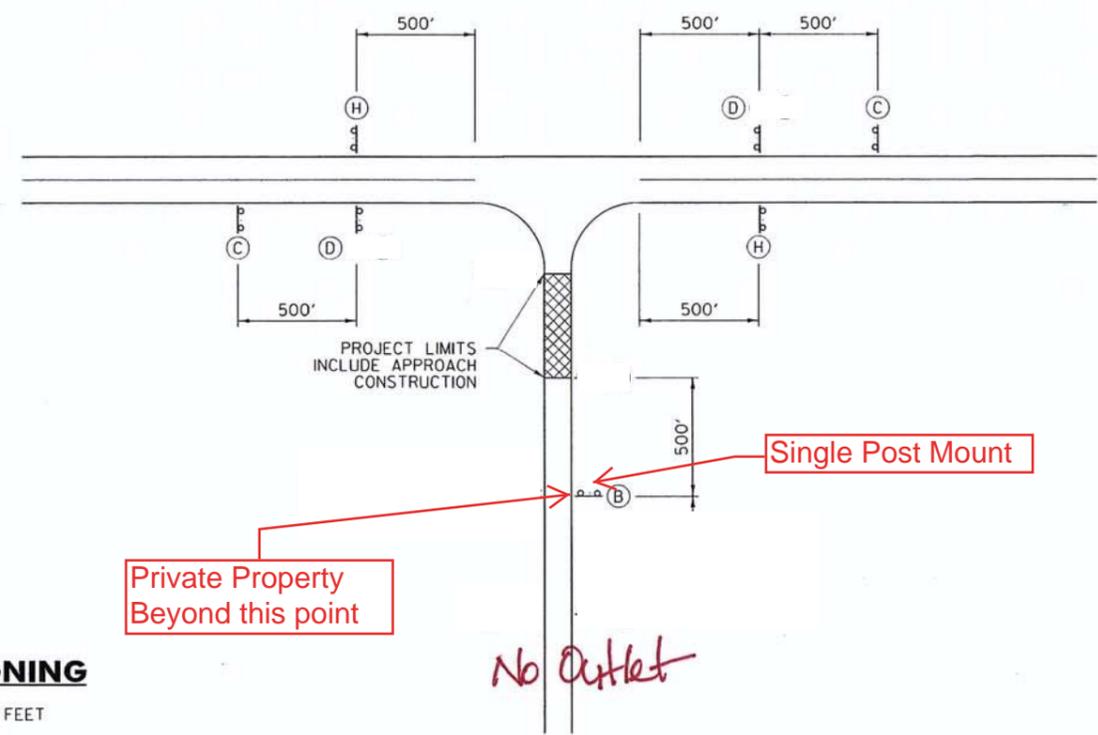
TCP3

**LEGEND**



To Fairfield Center

To East Fairfield



**SIDE ROAD APPROACH SIGNING**

TO BE USED WHEN CONSTRUCTION IS UP TO 1000 FEET FROM THE INTERSECTION. FIELD CONDITIONS MAY DICTATE THE ACTUAL PLACEMENT.

**GENERAL NOTES:**

1. SIGNS SHOWN ON THIS SHEET ARE INTENDED FOR USE IN PROVIDING ADVANCE WARNING AND INFORMATION ON CONSTRUCTION PROJECTS OVER WHICH TRAFFIC WILL BE MAINTAINED. WHEN ADDITIONAL APPROACH SIGNS OR OTHER TYPES OF ADVANCE SIGNING OR CONTROL ARE NECESSARY, THE PLANS AND/OR THE SPECIFICATIONS FOR THAT PROJECT WILL GIVE THE DETAILS OF THE SIGNS AND DEVICES REQUIRED. FOR ON-PROJECT CONSTRUCTION SIGNS, REFER TO APPROPRIATE STANDARD SHEETS.
2. THE "ROAD WORK NEXT XX MILES" SIGN (G20-1) SHALL BE INSTALLED IN ADVANCE OF TEMPORARY TRAFFIC CONTROL ZONES THAT ARE MORE THAN TWO MILES IN LENGTH OR AS DIRECTED BY THE ENGINEER. DISTANCES SHALL BE STATED TO THE NEAREST WHOLE MILE.
3. SIGNS SHALL BE LOCATED AS DETAILED ON THIS SHEET OR AS OTHERWISE SHOWN ON THE PLANS. THEY SHALL APPEAR AT EACH END OF THE HIGHWAY UNDER CONSTRUCTION AND ON ALL INTERSECTING PUBLIC HIGHWAYS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATIONS.

OTHER STDS. REQUIRED: T-1, T-28

REVISIONS AND CORRECTIONS  
AUG. 6, 2012 - ORIGINAL APPROVAL DATE

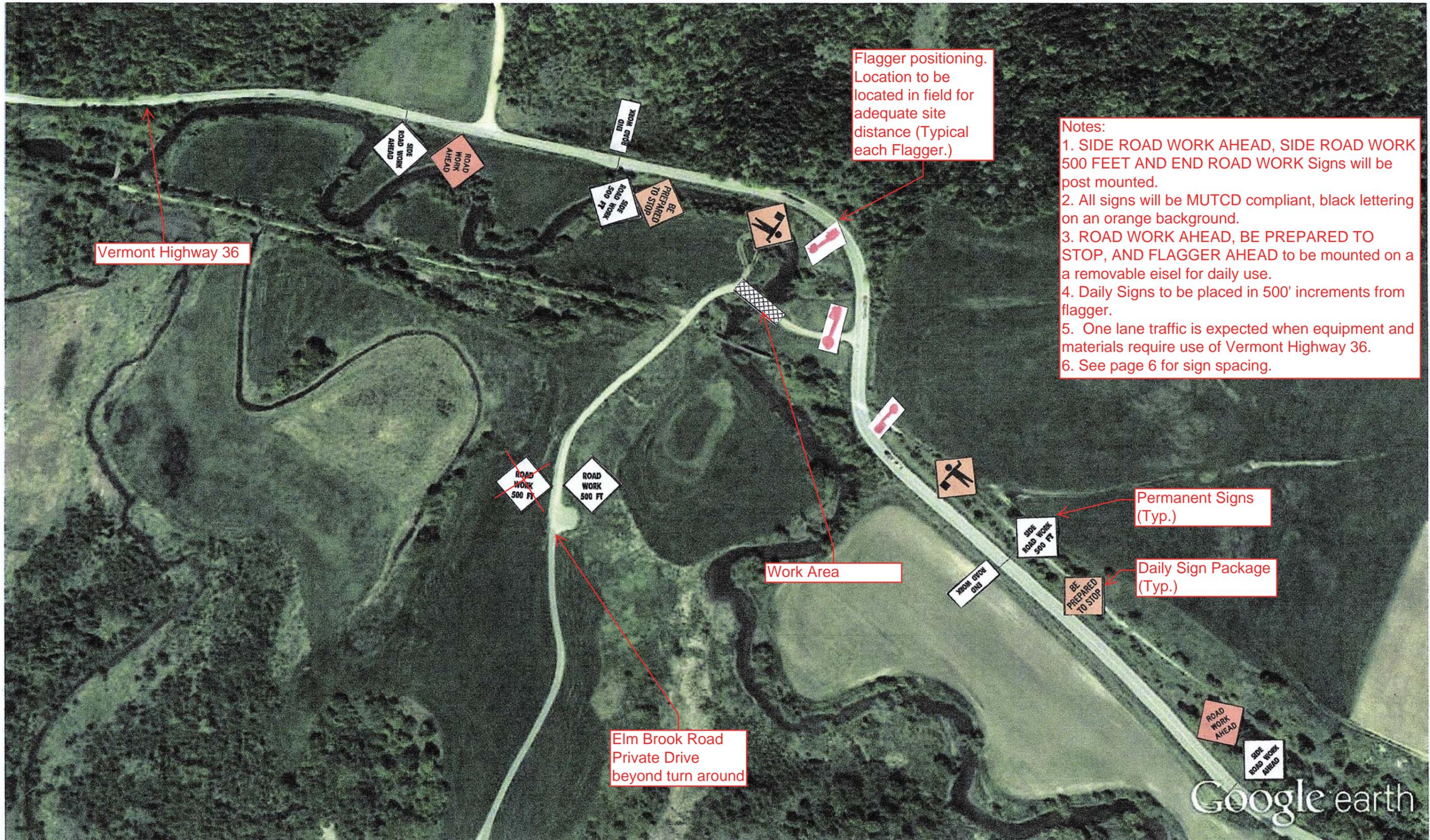
APPROVED  
*W.A.G. Ph.*  
HIGHWAY SAFETY & DESIGN ENGINEER  
*Rickard J. Huant*  
DIRECTOR OF PROGRAM DEVELOPMENT  
*Mark D. Richter*  
FEDERAL HIGHWAY ADMINISTRATION

CONVENTIONAL ROADS  
CONSTRUCTION APPROACH  
SIGNING



STANDARD  
T-10

TCP4



Vermont Highway 36

Flagger positioning.  
Location to be located in field for adequate site distance (Typical each Flagger.)

- Notes:
1. SIDE ROAD WORK AHEAD, SIDE ROAD WORK 500 FEET AND END ROAD WORK Signs will be post mounted.
  2. All signs will be MUTCD compliant, black lettering on an orange background.
  3. ROAD WORK AHEAD, BE PREPARED TO STOP, AND FLAGGER AHEAD to be mounted on a removable eisel for daily use.
  4. Daily Signs to be placed in 500' increments from flagger.
  5. One lane traffic is expected when equipment and materials require use of Vermont Highway 36.
  6. See page 6 for sign spacing.

Work Area

Permanent Signs (Typ.)

Daily Sign Package (Typ.)

Elm Brook Road Private Drive beyond turn around