N

VT STATE PLANE GRID

MOVED
~~NEW PCC PAD~~

VERMONT RAILWAY

GRAVEL DRIVE

RELOCATED LEGION ROAD

RELOCATE
LEGION SIGN

30+50

PC Sta 30+43.27

NEW CANTILEVER
SIGNAL MAST
N 208554.62
E 1465758.25

PROP.
MH

NEW 44'- 18" RCP W/ RCP END SECTION

RELOCATED LEGION SIGN.
PAYMENT WILL BE MADE UNDER ITEM 900.650
SPECIAL PROVISION (LEGION SIGN REMOVED
AND RELOCATED).

EXIST. TOWN R.O.W.

EXIST. 4"
CI WATER

EXIST. RR R.O.W.

N 208556.60
E 1465760.25

EXIST. 12" DI
WATER

NEW 53 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD
SEE NOTE 4

NEW 70 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD
SEE NOTE 4

14+00

15+00

30+00

16+00

EAST ARLINGTON ROAD

REMOVE EXIST. SIGNAL
AND FOUNDATION (TYP.)

N 208561.20
E 1465799.79

N 208610.89
E 1465805.23

NEW 15 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD.
SEE NOTE 4 AND DETAIL ON SHEET 18.

EXIST. TOWN R.O.W.

NEW 16'
CANTILEVER SIGNAL
N 208504.85
E 1465791.51

N 208508.70
E 1465790.98

4'-3"

NEW 14'
CANTILEVER
SIGNAL

30+07.00
BEGIN PROJECT
STP 0114 (3)

12'

6'

NEW SIGNAL
WITH BELL
N 208559.82
E 1465806.58

REMOVE EXIST.
SIGNAL CASE

NEW POWER DROP POLE
(8" DIA., WOOD)
N 208631.61
E 1465820.53

15' (MIN.)

NEW 6'x6'
SIGNAL CASE
N 208632.27
E 1465826.31

EXIST. RR R.O.W.

30+00.00
BEGIN APPROACH

N 208599.93
E 1465831.14

N 208599.93
E 1465819.25

0 10 20
SCALE IN FEET

BUCK HILL RD.

CHITTENDEN RD.

NOTES:

1. THE CONTRACTOR SHALL DESIGN, FURNISH, AND INSTALL A NEW CONSTANT WARNING TIME, GRADE CROSSING PREDICTOR (GCP) AHCW SYSTEM IN ACCORDANCE WITH THE SPECIAL PROVISION'S PROCUREMENT SPECIFICATIONS, AND REMOVE AND DISPOSE OF UNNECESSARY PORTIONS OF THE EXISTING SYSTEM. THE GCP SHALL BE FURNISHED AND INSTALLED AS A COMPLETE SOLID STATE REDUNDANT SYSTEM OR TWO (2) SOLID STATE CONSTANT WARNING PREDICTORS SHALL BE FURNISHED, INSTALLED, AND INTERCONNECTED BY EXTERNAL CIRCUIT LOGIC. THE EXISTING AHCW SYSTEM IS A STYLE C SYSTEM WITH A MAXIMUM DESIGN TRACK SPEED OF 30 MPH, LOCATED IN JOINTED TRACK. PAYMENT FOR THE TWO NEW CANTILEVERS AND ONE NEW SIGNAL MAST, NEW SIGNAL CASE AND NEW POWER DROP POLE WILL BE MADE UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
2. THE CONTRACTOR SHALL DESIGN, FURNISH, AND INSTALL MODIFICATIONS TO THE TRACK CONTROL CIRCUITS FOR THE AUTOMATIC HIGHWAY CROSSING WARNING SYSTEM TO INCLUDE ALL DOUBLE RAIL BONDING OF TRACK JOINTS AND INSULATED JOINTS REQUIRED. PAYMENT WILL BE INCLUDED UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
3. REMOVAL AND DISPOSAL OF EXIST. ABOVE GROUND SIGNAL MASTS, SIGNAL CASE, SIGNAL FOUNDATIONS, SIGNS, AND SIGNAL WIRES INCLUDING EXCAVATION, BACKFILL, AND REGRADING OR OTHER RESTORATION WORK WILL BE PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM). REMAINING EXIST. UNDERGROUND SIGNAL DUCT AND CONDUIT SHALL BE ABANDONED AND NOT REMOVED.
4. INSTALL NEW SIGNAL CONDUIT CROSSING ROAD AND TRACK FOR PROPOSED SIGNAL WIRES. ALL HORIZONTAL DIRECTIONAL DRILLING (HDD) WILL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (HORIZONTAL DIRECTIONAL DRILLING) (6 INCH CASING PIPE).
5. NORTHING AND EASTING PROVIDED TO THE CENTER OF OBJECT UNLESS OTHERWISE NOTED.

P70112O069

PROJECT NAME: ARLINGTON	
PROJECT NUMBER: STP 0114 (4)	
FILE NAME: z09g052signals.dgn	PLOT DATE: 2/22/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
RAILROAD SIGNAL LAYOUT	SHEET 15 OF 27