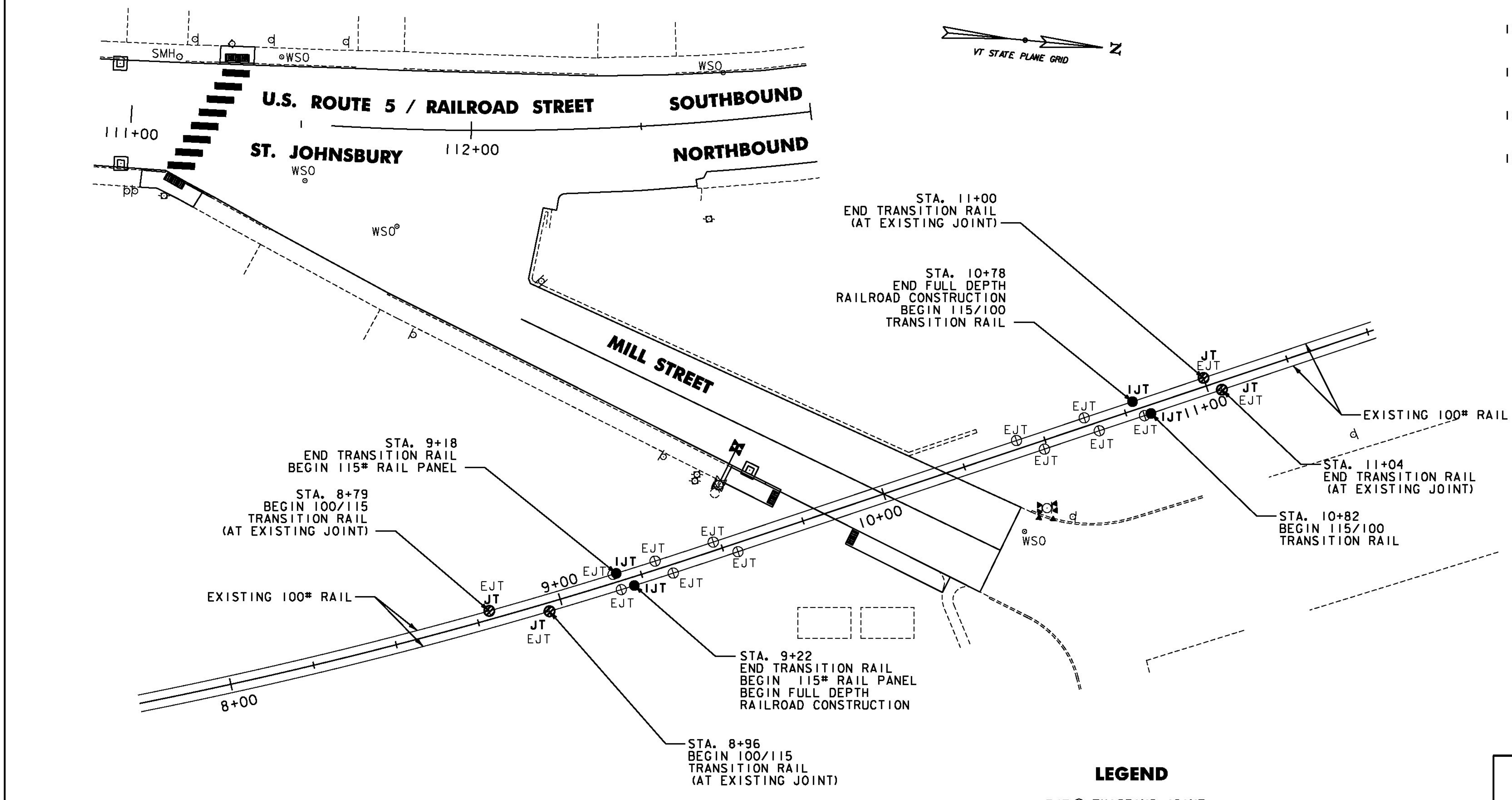


**TYPICAL PLAN VIEW  
MILL STREET AARDOT #850-939P**

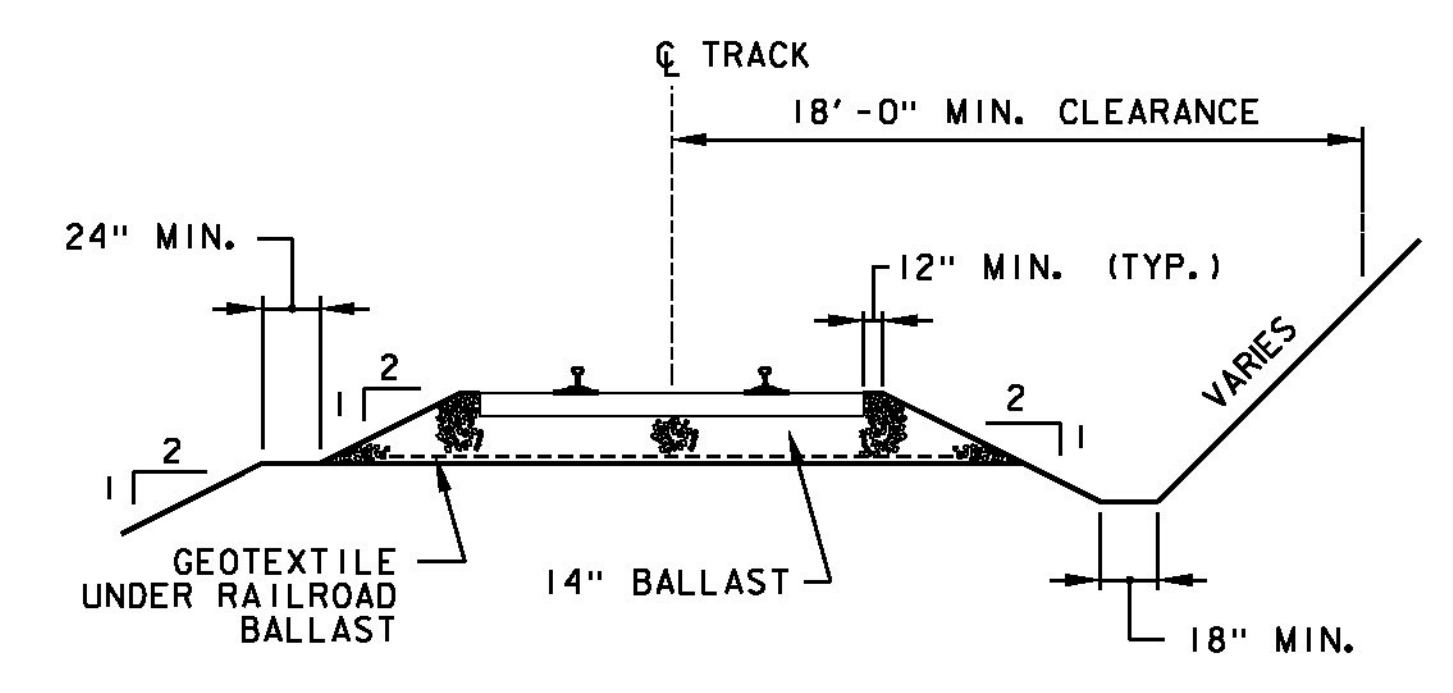


**EXISTING AND PROPOSED RAIL JOINT LAYOUT  
MILL STREET AARDOT #850-939P**

**LEGEND**  
 EJT ⊙ EXISTING JOINT  
 IJT ● NEW INSULATED JOINT  
 JT ⊙ NEW JOINT

**NOTES - AARDOT #850-939P**

- ALL RAIL JOINTS WITHIN THE CROSSING AREA AS SHOWN WILL BE CROPPED AND WELDED IN ACCORDANCE WITH THE LATEST REVISION OF A.R.E.M.A. SPECIFICATIONS AT AN OFF-SITE ELECTRIC WELDING PLANT. WELDING CAN BE DONE IN FIELD UTILIZING THERMITE WELDING WITH ADVANCE APPROVAL FROM THE AGENCY. WELDED JOINTS SHALL BE GROUND TO CONFORM TO THE SHAPE OF THE RAIL ON GAUGE AND FIELD SIDES.
- TIE SPACING UNDER CWR TRANSITION AREA SHALL BE AS SHOWN. VARIES 18 TO 19.5 INCHES ON CENTER.
- TIES IN CROSSING AREA SHALL BE REPLACED AS RECOMMENDED BY THE RAILROAD AND APPROVED BY THE ENGINEER (PAID UNDER ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING)). TIES REQUIRED OUTSIDE OF CROSSING AREA SHALL BE PAID AS ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES).
- TIE PLATES SHALL BE NEW 14 INCH PLATES, MANUFACTURED FOR THE RAIL SIZE USED. PLATES SHALL BE INSPECTED AND APPROVED BY THE RAILROAD AND THE ENGINEER. RAIL FASTENERS SHALL BE CUT TRACK SPIKES.
- BALLAST OUTSIDE THE FULL DEPTH RAILROAD CONSTRUCTION AREA SHALL EXTEND 12 INCHES MIN. BEYOND END OF TIES AND SLOPED 1:2 TO THE ROADBED.
- TYPE AND DESIGN OF COMMERCIAL FLANGWAY MATERIALS SHALL RECEIVE APPROVAL FROM THE ENGINEER.
- MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED FOR THE INSTALLATION OF COMMERCIAL FLANGWAY MATERIALS AND INSULATED JOINTS.
- CONTRACTOR SHALL ADD BALLAST, LINE, TAMP, AND SURFACE TRACK IN APPROACH AREAS TO OBTAIN A SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED TRACK TO THE SATISFACTION OF THE ENGINEER AND RAILROAD. THIS WORK WILL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING).
- EXCAVATION, BALLAST, GEOTEXTILE, FLANGWAY MATERIALS AND TIES INSIDE CROSSING AREA WILL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING).
- SAW CUTTING SHALL NOT BE PAID SEPARATELY BUT BE INCIDENTAL TO ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.
- ASPHALTIC PLUG JOINTS WILL BE PAID AS ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG.
- PREFERRED RAIL LAYING TEMPERATURE (PRLT) SHALL BE BETWEEN 105 DEGREES AND 120 DEGREES FAHRENHEIT.
- WIRED CONDUIT IS TO BE INSTALLED BETWEEN CROSSING #850-939P AND CROSSING #850-938H FOR THE PURPOSE OF SYNCHRONIZING THE SIGNAL SYSTEMS. THIS CONDUIT SHALL BE INSTALLED UNDERGROUND ADJACENT TO THE TRACK. THIS WORK INCLUDES A UNIDIRECTIONAL MOTION SENSOR AT #850-939P AND INSTALLING INTERCONNECTIONS BETWEEN THE TWO CASES, ALONG WITH THE REQUIRED RELAYS AND WILL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 850-939P)



**TYPICAL SECTION RAILROAD**

NOT TO SCALE

**RAILROAD  
CROSSING  
DETAIL  
SHEET #2**

**AARDOT #850-939P**

PROJECT NAME:	ST JOHNSBURY - LYNDON
PROJECT NUMBER:	STP 2936(I)
FILE NAME:	pllc308.dgn
PROJECT LEADER:	G. EDWARDS
DESIGNED BY:	D. DRAPER
PLOT DATE:	5/5/2014
DRAWN BY:	D. DRAPER
CHECKED BY:	J. LITTLE
SHEET	33 OF 250

