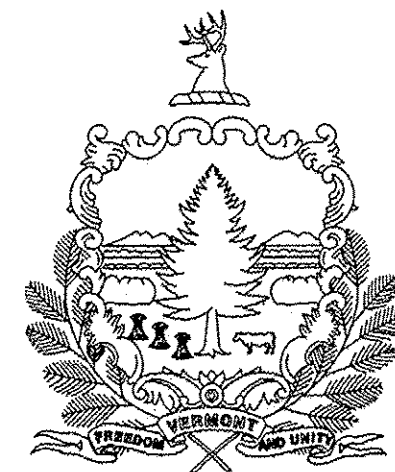
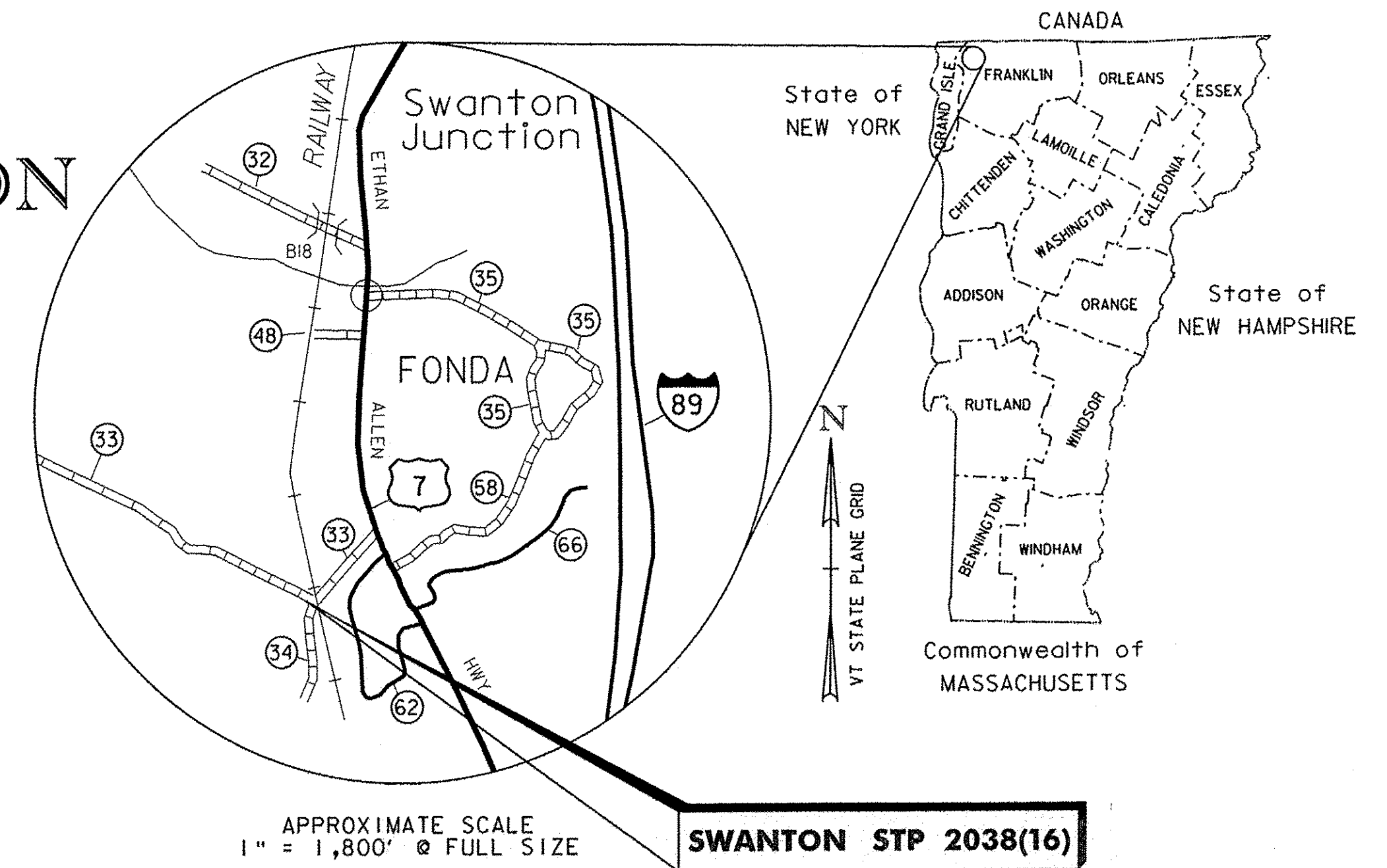


# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWN OF SWANTON COUNTY OF FRANKLIN COMSTOCK ROAD (TH 33, CL 2) (LOCAL ROAD)



RECORD PLANS	
CONTRACTOR:	ECL RAIL CONSTRUCTORS, INC. - SO. BURLINGTON, VT.
RESIDENT ENGINEER:	JEFF COTA
CONSTRUCTION BEGAN:	APRIL 23, 2012
CONSTRUCTION COMPLETE:	JUNE 29, 2012
RECORD PLANS BY:	JEFF COTA & NICK GARBACIK
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	RESIDENT ENGINEER
DATE:	4/24/14
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.	

**HIGHWAY TRAFFIC DATA - TH #33**

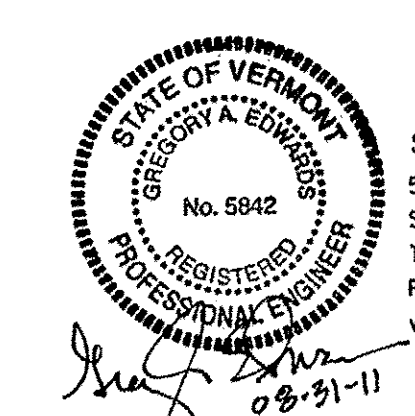
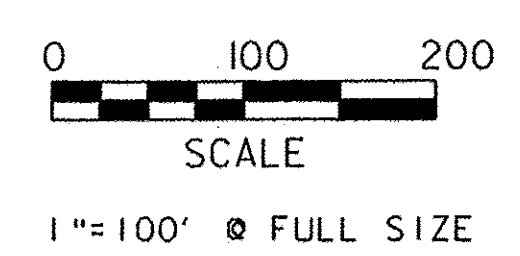
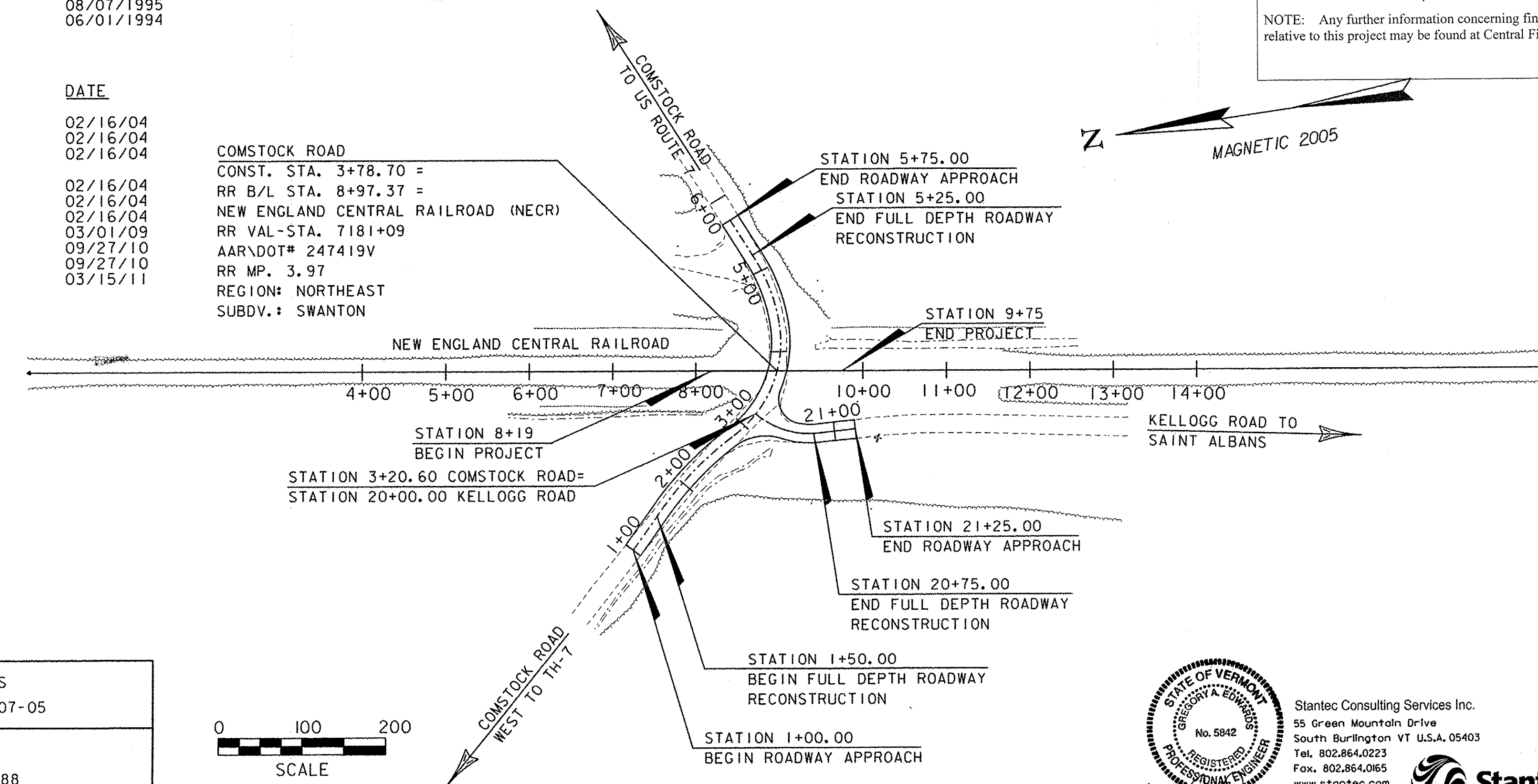
2008 AADT	= 850
2028 AADT	= 1,000
POSTED SPEED LIMIT	= 35 MPH

**RAILROAD DATA**  
V = 25 MPH (FREIGHT DESIGN SPEED)

**PROJECT LOCATION:** BEGINNING AT A POINT ON THE NEW ENGLAND CENTRAL RAILROAD APPROXIMATELY 78 FEET NORTH OF THE COMSTOCK ROAD RAIL HIGHWAY CROSSING AND EXTENDING 156 FEET SOUTHERLY ALONG THE RAILROAD CENTERLINE.

**PROJECT DESCRIPTION:** WORK TO BE PERFORMED INCLUDES RECONSTRUCTION OF THE AARDOT #247419V AND NECR AT GRADE RAILROAD CROSSING ON COMSTOCK ROAD, NEW RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM AND RECONSTRUCTION OF A PORTION OF COMSTOCK ROAD AND KELLOGG ROAD.

**PROJECT LENGTHS:**  
 LENGTH OF ROADWAY APPROACH = 150 FT  
 LENGTH OF FULL DEPTH ROADWAY = 375 FT  
 RECONSTRUCTION  
 LENGTH OF RAILROAD APPROACH = 200 FT  
 LENGTH OF PROJECT = 156 FT



Stantec Consulting Services Inc.  
55 Green Mountain Drive  
South Burlington, VT U.S.A. 05403  
Tel. 802.864.0223  
Fax. 802.864.0655  
www.stantec.com

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF POLICY, PLANNING AND INTERMODAL DEVELOPMENT DIVISION	
APPROVED: <i>Jeff Cota</i>	DATE: 9/1/11
PROJECT MANAGER: JB MCCARTHY	
PROJECT NAME: SWANTON	
PROJECT NUMBER: STP 2038 (16)	
SHEET 1 OF 25 SHEETS	

**INDEX OF SHEETS**

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET / INDEX / STANDARDS
2-3	TYPICAL SECTIONS
4-5	QUANTITY SHEETS
6-7	TIE SHEETS
8	ALIGNMENT / ROW SHEET
9	ROADWAY PLAN
10	PROFILE SHEET
11	DRAINAGE PLAN
12	CONSTRUCTION APPROACH SIGNAGE
13	SIGNING AND PAVEMENT MARKINGS
14-15	TRAFFIC SIGN SUMMARY SHEETS
16-17	SIGNAL ASSEMBLY DETAILS
18	UTILITY PLAN
19-22	COMSTOCK ROAD SECTIONS
23	KELLOGG ROAD SECTIONS
24-25	EPSC DETAILS

**INDEX OF HIGHWAY STANDARDS**

STANDARD	DESCRIPTION	DATE
B-71	STANDARD FOR RESIDENTIAL AND COMMERCIAL DRIVES	07/08/2005
D-4	CORRUGATED PIPE END SECTION, ARCH END SECTION, AND ELBOW GRANULAR MATERIAL AT METAL CULVERT LOCATIONS	08/13/2007
D-11	TYPICAL WATERFALL FOR CULVERTS	
D-15	STEEL GRATE, CAST IRON GRATE TYPE A, CAST IRON COVER	06/01/1994
	PRECAST REINF. CONC. CATCH BASIN W/ CAST IRON GRATE	06/01/1994
	PRECAST REINF. CONC. MANHOLE W/ CAST IRON COVER	
	CAST IRON GRATE WITH FRAME, TYPE D	
	CAST IRON GRATE WITH FRAME, TYPE E	
E-100	CONSTRUCTION APPROACH SIGNS	01/02/2004
E-100A	SIDE ROAD CONSTRUCTION - APPROACH SIGNS	01/02/2004
E-101	CONSTRUCTION SIGN DETAILS	05/30/2003
E-102	CONSTRUCTION SIGN DETAILS	06/30/2003
E-102A	CONSTRUCTION SIGN DETAILS	05/01/2004
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03/01/2004
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	06/30/2003
E-107A	BREAKAWAY BARRICADE DETAILS	06/08/2009
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	06/08/2009
E-108A	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING	06/08/2009
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08/08/1995
E-120	STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY	08/08/1995
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08/08/1995
E-122	GENERAL MOTORIST SERVICES SIGN DETAILS	08/18/1995
E-141	REGULATORY SIGN DETAILS	09/20/1995
E-142	REGULATORY SIGN DETAILS	09/20/1995
E-143	REGULATORY SIGN DETAILS	06/15/2004
E-153B	WARNING SIGN DETAILS	05/30/2003
E-164	SQUARE STEEL SIGN POST	06/08/2009
E-171B	TRAFFIC CONTROL SIGNALS MISCELLANEOUS DETAILS	08/09/1995
E-173	PULL BOXES AND JUNCTION BOXES	08/09/1995
E-175	POWER DROP STANCHIONS	06/08/2009
E-190	RAILROAD CROSSING SIGNS AND PAVEMENT MARKINGS	06/30/2003
E-193	PAVEMENT MARKING DETAILS	08/18/1995
J-3	MAILBOX SUPPORT DETAILS	08/07/1995
RR-1	RAIL CROSSING HIGHWAY STANDARD PAVED CROSSING FOR GRAVEL OR PAVED HIGHWAYS	06/01/1994

**INDEX OF RAIL AMERICA STANDARDS**

NAME	DESCRIPTION	DATE
RA-MS-021	INSTRUMENT CASE STANDARD DOUBLE HIGH SPECS	02/16/04
RA-MS-030	FLASHING LIGHT SIGNAL	02/16/04
RA-IS-001	TYPICAL SHUNT AND COUPLER INSTALLATIONS ON WOODEN TIES	02/16/04
RA-IS-002	TYPICAL GROUNDING PROCEDURES	02/16/04
RA-IS-003	TYPICAL TRACK CONNECTIONS	02/16/04
RA-IS-008	TYPICAL BONDING METHOD JOINTED RAIL	02/16/04
SC431.1	HOUSINGS, SIGNALS AND FOUNDATIONS	03/01/09
SC600.1	CROSSING WARNING DEVICES	09/27/10
SC610.1	UNDERGROUND CABLE ROUTES	09/27/10
ES1024X.0	VEHICLE BLOCKING CROSSING OR OTHER EMERGENCY SIGN	03/15/11

QUALITY ASSURANCE PROGRAM: LEVEL 3

**CONVENTIONAL SYMBOLS**

COUNTY LINE	— — — — —
TOWN LINE	— — — — —
LIMITS OF ACCESS	— — — — —
POINT OF ACCESS	X
FENCE LINE	X — X — X — X —
STONE WALL	— — — — —
TRAVELED WAY	— — — — —
GUARD RAIL	— — — — —
RAILROAD	— — — — —
SURVEY LINE	— — — — —
CULVERT	— — — — —
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊗
CONTROL OF ACCESS	— — — — —
PROPERTY LINE	— — — — —
R.O.W. TAKING LINE	— — — — —
SLOPE RIGHTS	— — — — —
TOP OF CUT	— — — — —
TOE OF SLOPE	— — — — —

SURVEYED BY: VTRANS  
SURVEYED DATE: 12-07-05

DATUM  
VERTICAL NAVD 88  
HORIZONTAL ASSUMED