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STANDARDS LIST

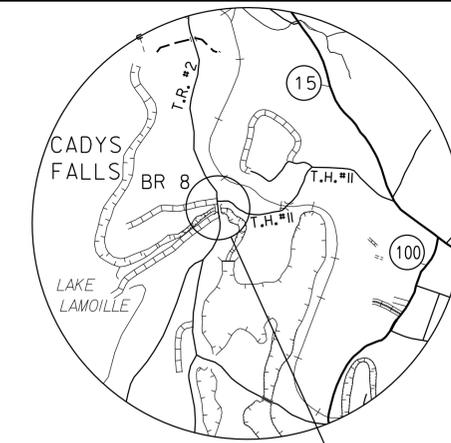
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STATE OF VERMONT AGENCY OF TRANSPORTATION

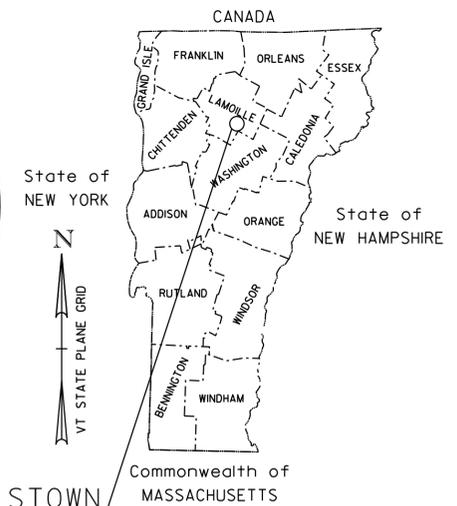


PROPOSED IMPROVEMENT

BRIDGE PROJECT TOWN OF MORRISTOWN COUNTY OF LAMOILLE CADYS FALLS ROAD (T.R.#2) MAJOR COLLECTOR BRIDGE NO. 8



LOCATION MAP
NOT TO SCALE

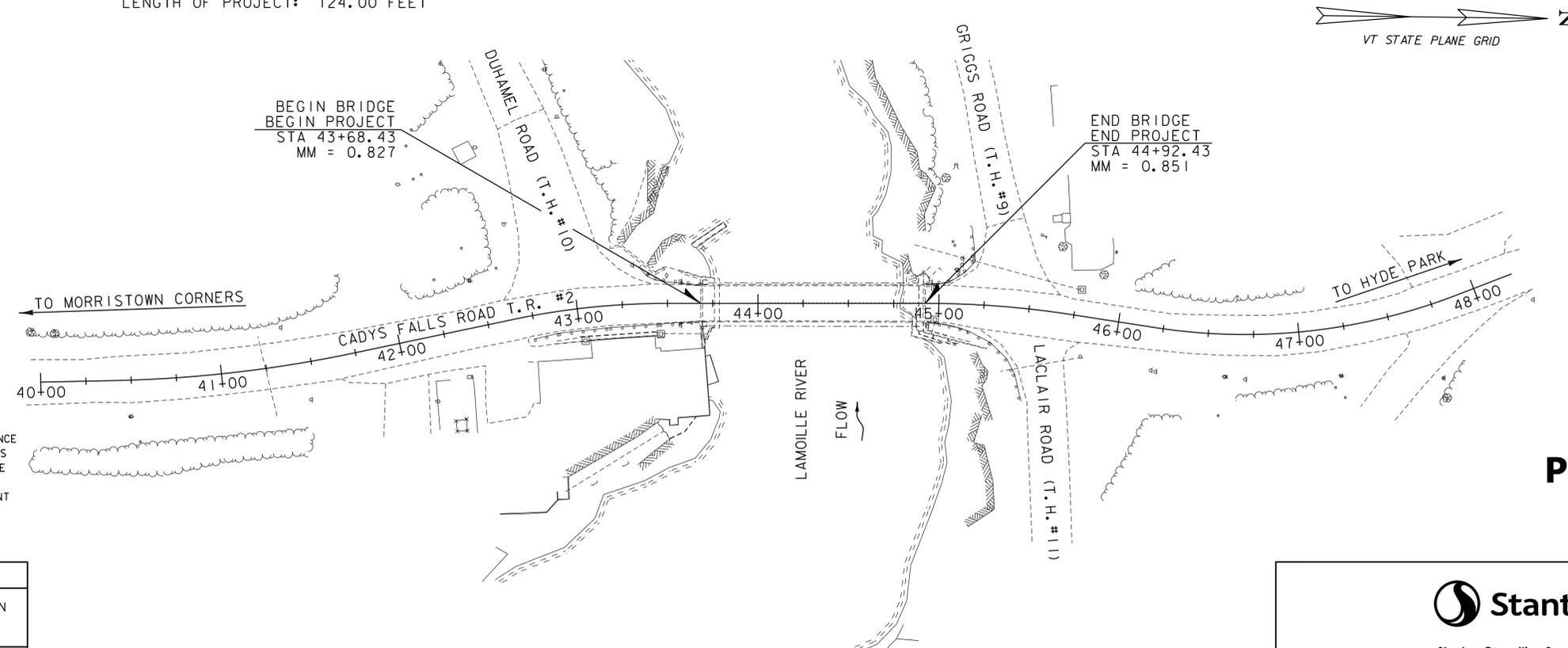


MORRISTOWN
BF 0239 (3)

PROJECT LOCATION: BEGINNING AT A POINT ON CADYS FALLS ROAD (T.R. #2) APPROXIMATELY 68 FEET NORTH OF THE INTERSECTION WITH DUHAMEL ROAD (T.H. #10) AND EXTENDING NORTHERLY ALONG CADYS FALLS ROAD FOR APPROXIMATELY 124 FEET.

PROJECT DESCRIPTION: INCLUDES CLEANING AND PAINTING THE EXISTING STRUCTURAL STEEL SUPERSTRUCTURE, MINOR REPAIRS AND ASSOCIATED WORK.

LENGTH OF STRUCTURE: 124.00 FEET
LENGTH OF ROADWAY: 000.00 FEET
LENGTH OF PROJECT: 124.00 FEET



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.

PRE-CONTRACT PLANS
11/18/2015

QUALITY ASSURANCE PROGRAM : LEVEL 3	
SURVEYED BY :	VTRANS - CYR/GILMAN
SURVEYED DATE :	01/27/2014
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD 83 (92)



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DIRECTOR OF PROJECT DELIVERY	APPROVED _____ DATE _____
PROJECT MANAGER : MARK SARGENT	
PROJECT NAME :	MORRISTOWN
PROJECT NUMBER :	BF 0239 (3)
SHEET 1 OF 9 SHEETS	

PROJECT NOTES

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND ITS LATEST REVISIONS AND THE 7TH EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATION AND ITS LATEST REVISIONS.
2. ALL WORK AND ANY ASSOCIATED ACTIVITY ON THIS PROJECT SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO THE EXISTING BRIDGE DECK AND APPROACH PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ANY PROPERTY WHICH HAS BEEN DAMAGED DURING THE PROSECUTION OF WORK.
4. DIMENSIONS SHOWN ON EXISTING DETAILS ARE TAKEN FROM THE EXISTING PLANS AND LIMITED FIELD MEASUREMENTS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING DETAILS NECESSARY FOR THE COMPLETION OF ALL WORK BY FIELD MEASUREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THE REQUIRED MEASUREMENTS ON THE EXISTING STRUCTURE HAVE BEEN OBTAINED. FOR EMPHASIS ONLY, SOME PROPOSED DIMENSIONS ARE NOTED AS "VERIFY IN FIELD" OR "VIF", THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND DETAILS.

PROTECTIVE COATINGS

5. ALL EXISTING STEEL SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH ITEM 900.645 SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL). THE SURFACE PREPARATION OF THE EXISTING STEEL SHALL INCLUDE 100% REMOVAL OF THE EXISTING PAINT SYSTEM. NEW STEEL AND RAILING MEMBERS EXCEPT W-BEAM SHALL BE SHOP PRIMED AND FIELD PAINTED WITH THE SAME TOPCOAT AS THE EXISTING STEEL.
6. THE COLOR OF THE FINAL COAT OF PAINT SHALL BE GREEN (FEDERAL CHIP NO. 14062) IN ACCORDANCE WITH THE FEDERAL STANDARD NO. 595.
7. THE EXISTING STRUCTURAL STEEL ON THIS PROJECT WAS PAINTED WITH A MATERIAL WHICH MAY CONTAIN LEAD. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE STATE, IT'S OFFICERS AND EMPLOYEES HARMLESS CONCERNING THE CONTRACTOR'S USE OR DISPOSITION OF THE STRUCTURAL STEEL. TEN DAYS PRIOR TO COMMENCING WORK WHICH INVOLVES THE HANDLING OR DISTURBANCE OF PAINTED COMPONENTS, THE CONTRACTOR SHALL PROVIDE DOCUMENTS TO THE ENGINEER, AS REFERENCED IN THE SPECIAL PROVISIONS.
8. A COAT OF GREASE RUSTPROOFING COMPOUND SHALL BE APPLIED TO THE LOWER PORTION OF THE ENDS OF THE TRUSS AND FLOOR FRAMING (BELOW THE TOP OF THE BRIDGE DECK WITHIN SIX FEET OF THE ENDS OF THE BRIDGE). COST TO BE INCLUDED IN ITEM 900.645 SPECIAL PROVISION (QA/QC CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL).

UTILITIES

9. EXISTING UTILITIES WILL BE RELOCATED BY OTHERS IN ADVANCE OF THE PROJECT AS DEPICTED ON THE LAYOUT SHEET. REFER TO UTILITY AGREEMENT FOR ADDITIONAL INFORMATION.

BRIDGE REPAIRS AND MODIFICATIONS

10. EXISTING BRIDGE RAILING SHALL BE REMOVED IN ACCORDANCE WITH ITEM 525.10 REMOVAL OF EXISTING BRIDGE RAILING AND REPLACED WITH NEW BRIDGE RAIL IN ACCORDANCE WITH ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, TRUSS). REFER TO SHEET 6 FOR DETAILS.
11. PARTIAL REMOVAL AND DISASSEMBLY ASSOCIATED WITH THE REPAIR OR REPLACEMENT OF STRUCTURAL STEEL SHALL BE INCIDENTAL TO ITEM 506.60 STRUCTURAL STEEL.

STRUCTURAL STEEL

15. ALL STRUCTURAL COMPONENTS OF THE BRIDGE SHALL BE INSPECTED BY THE CONTRACTOR AND THE ENGINEER TO IDENTIFY ADDITIONAL AREAS IN NEED OF REPAIR NOT SHOWN ON THE CONTRACT DOCUMENTS. ANY ADDITIONAL REPAIRS SHALL BE MADE AT THE DISCRETION OF THE ENGINEER AND SHALL BE APPROVED BY THE ENGINEER. ADDITIONAL REPAIRS SHALL BE PAID FOR UNDER CONTRACT ITEM 506.60 STRUCTURAL STEEL. 1,000 POUNDS OF ADDITIONAL STEEL HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY FOR ITEM 506.60 STRUCTURAL STEEL IN ANTICIPATION OF THE NEED FOR ADDITIONAL REPAIRS.
16. FOR REPAIRS AS DETAILED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, ALL NEW CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH STRENGTH BOLTS MEETING AASHTO M-164 TYPE 1 GALVANIZED. CONNECTIONS NOT DETAILED IN THE PLANS SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
17. ANY EXISTING RIVETS THAT ARE MISSING OR REMOVED FOR REPAIRS AS DETAILED ON THE PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE REPLACED WITH 7/8" DIAMETER HIGH STRENGTH BOLTS. WHERE RIVET HEADS ARE IN DIRECT CONTACT WITH MEMBERS TO BE RETAINED, TORCHES AND/OR THE USE OF FLAME CUTTING WILL NOT BE PERMITTED FOR ANY PORTION OF THE RIVET REMOVAL. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING HOLE DIAMETER IS 1/16" AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.
18. ALL STRUCTURAL STEEL PAID UNDER THE ITEM 506.60, STRUCTURAL STEEL SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 36 EXCEPT ALL STRUCTURAL TUBING SHALL CONFORM TO SUBSECTIONS 714.11 OR 732.03 UNLESS NOTED OTHERWISE.
19. ALL FAYING SURFACES BETWEEN THE EXISTING STEEL AND THE NEW FILLER PLATES SHALL BE BLAST CLEANED AND PRIMED WITH A ZINC PRIMER. MEETING THE CLASS B SLIP COEFFICIENT VALUE OF NOT LESS THAN 0.50 AS SPECIFIED BY AASHTO THE PRIMER COATING WILL REMAIN IN THE ASSEMBLED CONNECTION.
20. THE BOTTOM CHORD OF THE TRUSS IS A FRACTURE CRITICAL TENSION MEMBER. ALL STRUCTURAL STEEL ASSOCIATED WITH REPAIRS AND/OR REINFORCEMENT OF THE BOTTOM CHORD SHALL BE CHARPY V-NOTCH (CVN) TESTED UNLESS NOTED OTHERWISE.

TRAFFIC CONTROL/STAGING

21. THE TOWN OF MORRISTOWN WILL BE RESPONSIBLE FOR SELECTING, SIGNING AND MAINTAINING A DETOUR ROUTE AT NO COST TO THE STATE. THE TOWN WILL SIGN THE DETOUR ROUTE IN CONFORMANCE WITH 23 VSA SECTION 1025 AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
22. THE CONTRACTOR WILL BE RESPONSIBLE FOR WARNING SIGNS INDICATING THE BRIDGE CLOSURE AND CONSTRUCTION ZONE ON T.R. #2 AND THE ADJACENT SIDE ROADS IN ACCORDANCE WITH TRAFFIC CONTROL STANDARDS AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR WILL COORDINATE WITH TOWN HIGHWAY OFFICIALS AT LEAST FOUR WEEKS PRIOR TO ROAD CLOSURE.
23. A CONCEPTUAL TRAFFIC CONTROL PLAN FOR CLOSING T.R. #2 IN THE VICINITY OF CONSTRUCTION IS SHOWN ON SHEET 5. THE CONTRACTOR SHALL DEVELOP A SITE SPECIFIC TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE CURRENT MUTCD AND SUBMIT THE PLAN FOR REVIEW BY THE ENGINEER. THE CONTRACTOR SHALL ALLOW THE ENGINEER 14 DAYS TO REVIEW AND ACCEPT THE PLAN BEFORE IT IS IMPLEMENTED. DEVELOPMENT AND IMPLEMENTATION OF THE PLAN INCLUDING SIGNS, CHANNELIZING DEVICES, OTHER INCIDENTALS SHALL BE PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
24. THE EXISTING BRIDGE IS RATED FOR A MAXIMUM LOAD OF TEN TONS. CONSTRUCTION EQUIPMENT SHALL NOT EXCEED THIS LOAD LIMIT. HEAVY EQUIPMENT FOR CLEANING AND PAINTING SHALL NOT BE POSITIONED ON THE BRIDGE.
25. THE CONTRACTOR MAY USE THE EXISTING ROADWAY (T.R. #2), NORTH OF THE EXISTING BRIDGE FOR STAGING OF EQUIPMENT; HOWEVER, ACCESS TO EXISTING DRIVES AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
26. INSTALLING, MAINTAINING, AND REMOVING THE SIGNS AND BARRICADES IN THE SITE SPECIFIC TRAFFIC CONTROL PLAN AS NECESSARY TO MEET PROJECT CONDITIONS WILL BE INCLUDED FOR PAYMENT UNDER CONTRACT ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
27. "ROAD CLOSED" SIGNS SHALL BE MOUNTED AND MAINTAINED ON LIGHTED TYPE III BARRICADES.
28. TYPE III CONSTRUCTION BARRICADES SHALL BE PLACED SO AS TO PHYSICALLY EXCLUDE TRAFFIC FROM THE ENTIRE ROADWAY WIDTH OR AT THE DISCRETION OF THE ENGINEER.

SUMMARY OF ANTICIPATED STEEL REPAIRS

1. STATIONING FOR REPAIR LOCATION 0+00 AT CL BRG. ABUTMENT 1
2. ALL REPAIRS EXCEPT DRILLING AND GROUTING RAIL POST ANCHORS AND BRIDGE PLAQUE REPLACEMENT ARE TO BE PAID FOR UNDER ITEM 506.60 "STRUCTURAL STEEL"
3. REFER TO DETAILS ON SHEETS 6 & 7.

<u>REPLACE RAIL POST</u>			<u>DRILL AND GROUT RAIL POST DECK ANCHORS, REFER TO</u>		
<u>ANTICIPATED LOCATION:</u>			<u>TYPICAL RAIL SECTION DETAIL</u>		
STA.	0+10	LT.	12 LOCATIONS, 2 ANCHORS PER LOCATION		
STA.	0+31	LT.			
<u>REPLACE MISSING STAY PLATE</u>			<u>REMOVE AND REPLACE STAY PLATE</u>		
<u>ANTICIPATED LOCATION:</u>			<u>ANTICIPATED LOCATION:</u>		
STA.	0+10	RT.	STA.	0+26	LT.
STA.	0+31	RT.	STA.	0+36	LT.
STA.	0+50	RT.	STA.	0+38	LT.
STA.	0+71	RT.	STA.	0+63	LT.
<u>REPLACE MISSING STAY PLATE</u>			STA.	0+84	LT.
<u>ANTICIPATED LOCATION:</u>			STA.	0+92	LT.
STA.	0+42	LT.	STA.	0+96	LT.
STA.	0+59	LT.	STA.	1+07	LT.
STA.	0+79	LT.	STA.	1+20	LT.
STA.	0+84	LT.	STA.	0+88	RT.
STA.	0+15	RT.	STA.	1+14	RT.
STA.	0+19	RT.	STA.	1+17	RT.
STA.	0+22	RT.			
STA.	0+26	RT.			
STA.	0+30	RT.	<u>NEW SPLICE PLATE, REFER TO DETAIL E</u>		
STA.	0+42	RT.	<u>ANTICIPATED LOCATION:</u>		
STA.	0+59	RT.	STA.	0+38	LT.
STA.	0+59	RT.	STA.	0+38	RT.
STA.	0+63	RT.			
STA.	0+63	RT.	<u>REPLACE END COVER PLATE, REFER TO DETAIL A</u>		
STA.	0+66	RT.	STA.	0+00	LT. (REPLACE BOLTS ONLY)
STA.	0+66	RT.	STA.	1+19	LT.
STA.	0+69	RT.	STA.	0+00	RT.
STA.	0+69	RT.	STA.	1+19	RT.
STA.	0+70	RT.			
<u>REMOVE EXISTING BRIDGE PALQUE, REFER TO DETAIL F</u>					
COST INCIDENTAL TO ITEM 635.11					
<u>NEW BOTTOM CHORD REPAIR, REFER TO DETAIL C</u>					
STA.	0+03	LT.	(INSIDE CHORD).		
<u>EXTEND BRIDGE SCUPPER, REFER TO DETAIL D</u>					
6 LOCATIONS					
<u>INSTALL NEW LACING BARS, REFER TO DETAIL G</u>					
STA.	0+00	RT.	2 BARS.		

PROJECT NAME: MORRISTOWN

PROJECT NUMBER: BF 0239(3)

FILE NAME: z13j274frm.dgn

PROJECT LEADER: T. KNIGHT

DESIGNED BY: T. KNIGHT

PROJECT NOTES

PLOT DATE: 11/18/2015

DRAWN BY: J. SOTER

CHECKED BY: G. BOGUE

SHEET 2 OF 9



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES				
													BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
													2800		2800		LB	STRUCTURAL STEEL	506.60				
													24		24		LF	DRILLING AND GROUTING DOWELS	507.16				
													250		250		LF	REMOVAL OF EXISTING BRIDGE RAILING	525.10				
													80		80		HR	FLAGGERS	630.15				
														1	1		LS	FIELD OFFICE, ENGINEERS	631.10				
														1	1		LS	TESTING EQUIPMENT, PROTECTIVE COATINGS	631.18				
														3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26				
													1		1		LS	MOBILIZATION/DEMobilIZATION	635.11				
													2		2		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15				
													250		250		LF	SPECIAL PROVISION (BRIDGE RAILING, TRUSS)	900.640				
													1		1		LS	SPECIAL PROVISION (CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES)	900.645				
													1		1		LS	SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL)	900.645				
													1		1		LS	SPECIAL PROVISION (TRAFFIC CONTROL, ALL INCLUSIVE)	900.645				

PROJECT NAME: MORRISTOWN
 PROJECT NUMBER: BF 0239(3)
 FILE NAME: z13j274frm.dgn
 PROJECT LEADER: T. KNIGHT
 DESIGNED BY: D. YOULEN
 QUANTITY SHEET

PLOT DATE: 11/18/2015
 DRAWN BY: J. SOTER
 CHECKED BY: N. TIRK
 SHEET 3 OF 9



GENERAL INFORMATION

SYMBOLGY LEGEND NOTE

THE SYMBOLGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLGY. THE SYMBOLGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R. O. W. ABBREVIATIONS (CODES) & SYMBOLS

POINT CODE	DESCRIPTION
CH	CHANNEL EASEMENT
CONST	CONSTRUCTION EASEMENT
CUL	CULVERT EASEMENT
D&C	DISCONNECT & CONNECT
DIT	DITCH EASEMENT
DR	DRAINAGE EASEMENT
DRIVE	DRIVEWAY EASEMENT
EC	EROSION CONTROL
HWY	HIGHWAY EASEMENT
I&M	INSTALL & MAINTAIN EASEMENT
LAND	LANDSCAPE EASEMENT
R&RES	REMOVE & RESET
R&REP	REMOVE & REPLACE
SR	SLOPE RIGHT
UE	UTILITY EASEMENT
(P)	PERMANENT EASEMENT
(T)	TEMPORARY EASEMENT
■	BNDNS BOUND SET
□	BNDNS BOUND TO BE SET
●	IPNS IRON PIN SET
⊙	IPNS IRON PIN TO BE SET
⊠	CALC EXISTING ROW POINT
○	PROW PROPOSED ROW POINT
[LENGTH]	LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT CODE	DESCRIPTION
⊕	APL BOUND APPARENT LOCATION
□	BM BENCHMARK
□	BND BOUND
⊠	CB CATCH BASIN
⊕	COMB COMBINATION POLE
⊠	DITHR DROP INLET THROATED DNC
⊕	EL ELECTRIC POWER POLE
○	FPOLE FLAGPOLE
○	GASFIL GAS FILLER
○	GP GUIDE POST
×	GSO GAS SHUT OFF
○	GUY GUY POLE
○	GUYW GUY WIRE
×	GV GATE VALUE
⊗	H TREE HARDWOOD
△	HCTRL CONTROL HORIZONTAL
△	HVCTRL CONTROL HORIZ. & VERTICAL
◇	HYD HYDRANT
●	IP IRON PIN
●	IPIPE IRON PIPE
⊠	LI LIGHT - STREET OR YARD
⊠	MB MAILBOX
○	MH MANHOLE (MH)
□	MM MILE MARKER
●	PM PARKING METER
□	PMK PROJECT MARKER
POST	POST POST STONE/WOOD
RRSIG	RAILROAD SIGNAL
RRSL	RAILROAD SWITCH LEVER
S	TREE SOFTWOOD
SAT	SATELLITE DISH
⊗	SHRUB SHRUB
⊠	SIGN SIGN
⊠	STUMP STUMP
⊠	TEL TELEPHONE POLE
○	TIE TIE
⊠	TSIGN SIGN W/DOUBLE POST
⊠	VCTRL CONTROL VERTICAL
○	WELL WELL
×	WSO WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLGY

UNDERGROUND UTILITIES

— UGU —	UTILITY (GENERIC-UNKNOWN)
— UT —	TELEPHONE
— UE —	ELECTRIC
— UC —	CABLE (TV)
— UEC —	ELECTRIC+CABLE
— UET —	ELECTRIC+TELEPHONE
— UCT —	CABLE+TELEPHONE
— UECT —	ELECTRIC+CABLE+TELEP.
— G —	GAS LINE
— W —	WATER LINE
— S —	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

— AGU —	UTILITY (GENERIC-UNKNOWN)
— T —	TELEPHONE
— E —	ELECTRIC
— C —	CABLE (TV)
— EC —	ELECTRIC+CABLE
— ET —	ELECTRIC+TELEPHONE
— AER E&T —	ELECTRIC+TELEPHONE
— CT —	CABLE+TELEPHONE
— ECT —	ELECTRIC+CABLE+TELEP.
—	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLGY

PROJECT DESIGN & LAYOUT SYMBOLGY

— CZ —	CLEAR ZONE
—	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

—	TOP OF CUT SLOPE
—	TOE OF FILL SLOPE
—	STONE FILL
—	BOTTOM OF DITCH
—	CULVERT PROPOSED
—	STRUCTURE SUBSURFACE
PDF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
—	TREE PROTECTION ZONE (TPZ)
—	STRIPING LINE REMOVAL
—	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLGY

BOUNDARY LINES

—	TOWN BOUNDARY LINE
—	COUNTY BOUNDARY LINE
—	STATE BOUNDARY LINE
—	PROPOSED STATE R.O.W. (LIMITED ACCESS)
—	PROPOSED STATE R.O.W.
—	STATE ROW (LIMITED ACCESS)
—	STATE ROW
—	TOWN ROW
—	PERMANENT EASEMENT LINE (P)
—	TEMPORARY EASEMENT LINE (T)
—	SURVEY LINE
P	PROPERTY LINE (P/L)
SR	SLOPE RIGHTS
6f	6F PROPERTY BOUNDARY
4f	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLGY

EPSC MEASURES

—	FILTER CURTAIN
—	SILT FENCE
—	SILT FENCE WOVEN WIRE
—	CHECK DAM
—	DISTURBED AREAS REQUIRING RE-VEGETATION
—	EROSION MATTING

ENVIRONMENTAL RESOURCES

—	WETLAND BOUNDARY
—	RIPARIAN BUFFER ZONE
—	WETLAND BUFFER ZONE
—	SOIL TYPE BOUNDARY
T&E	THREATENED & ENDANGERED SPECIES
HAZ	HAZARDOUS WASTE AREA
AG	AGRICULTURAL LAND
HABITAT	FISH & WILDLIFE HABITAT
FLOOD PLAIN	FLOOD PLAIN
OHW	ORDINARY HIGH WATER (OHW)
—	STORM WATER
—	USDA FOREST SERVICE LANDS
—	WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

— ARCH —	ARCHEOLOGICAL BOUNDARY
— HISTORIC DIST —	HISTORIC DISTRICT BOUNDARY
— HISTORIC —	HISTORIC AREA
⊕	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLGY

EXISTING FEATURES

—	ROAD EDGE PAVEMENT
—	ROAD EDGE GRAVEL
—	DRIVEWAY EDGE
—	DITCH
—	FOUNDATION
—	FENCE (EXISTING)
—	FENCE WOOD POST
—	FENCE STEEL POST
—	GARDEN
—	ROAD GUARDRAIL
—	RAILROAD TRACKS
—	CULVERT (EXISTING)
—	STONE WALL
—	WALL
—	WOOD LINE
—	BRUSH LINE
—	HEDGE
—	BODY OF WATER EDGE
—	LEDGE EXPOSED

PROJECT NAME: MORRISTOWN

PROJECT NUMBER: BF 0239(3)

FILE NAME: z13j274legend.dgn

PROJECT LEADER: T. KNIGHT

DESIGNED BY: VTRANS

CONVENTIONAL SYMBOLGY LEGEND

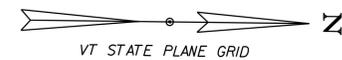
PLOT DATE: 11/18/2015

DRAWN BY: VTRANS

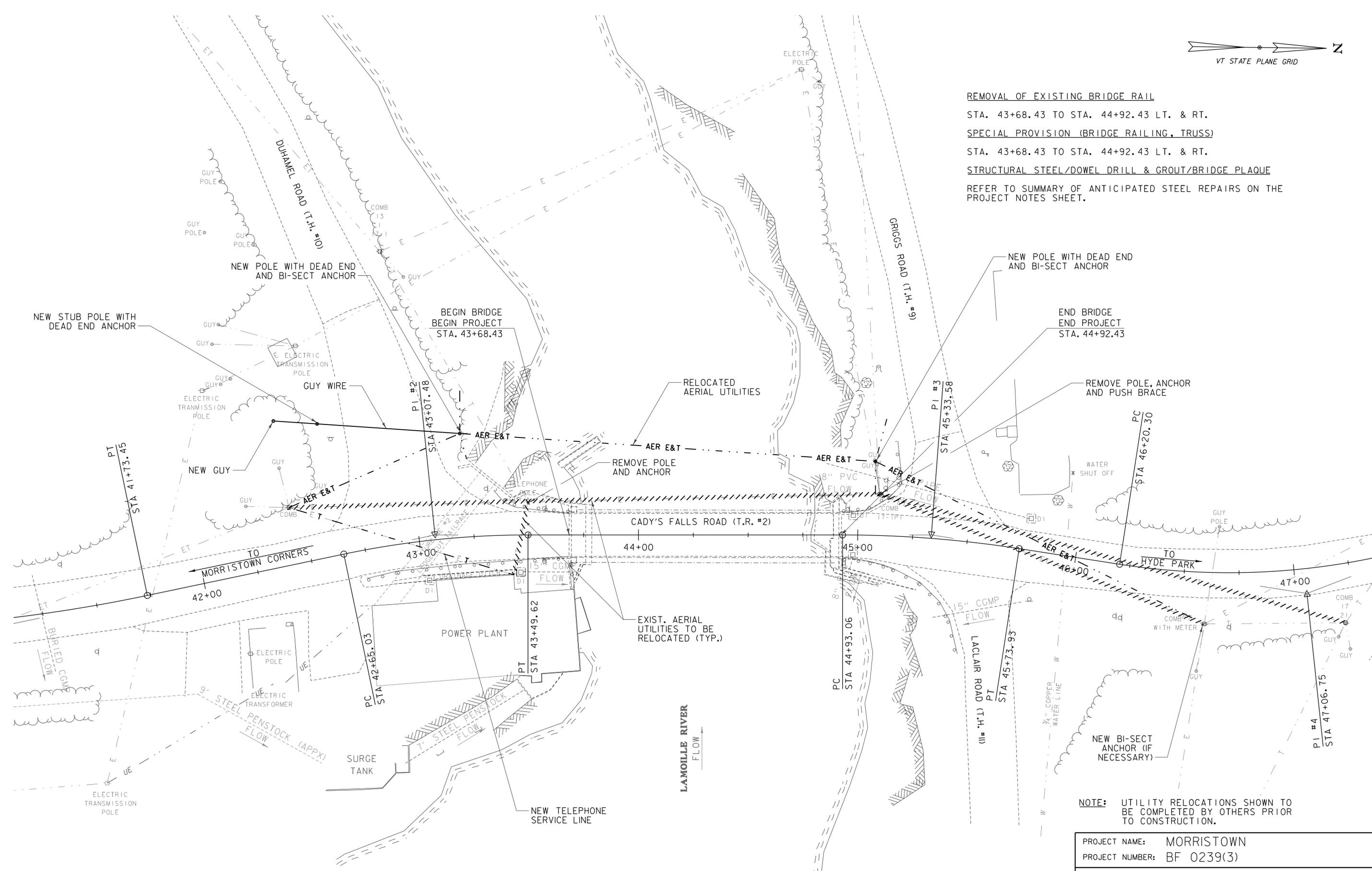
CHECKED BY: T. KNIGHT

SHEET 4 OF 9



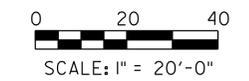


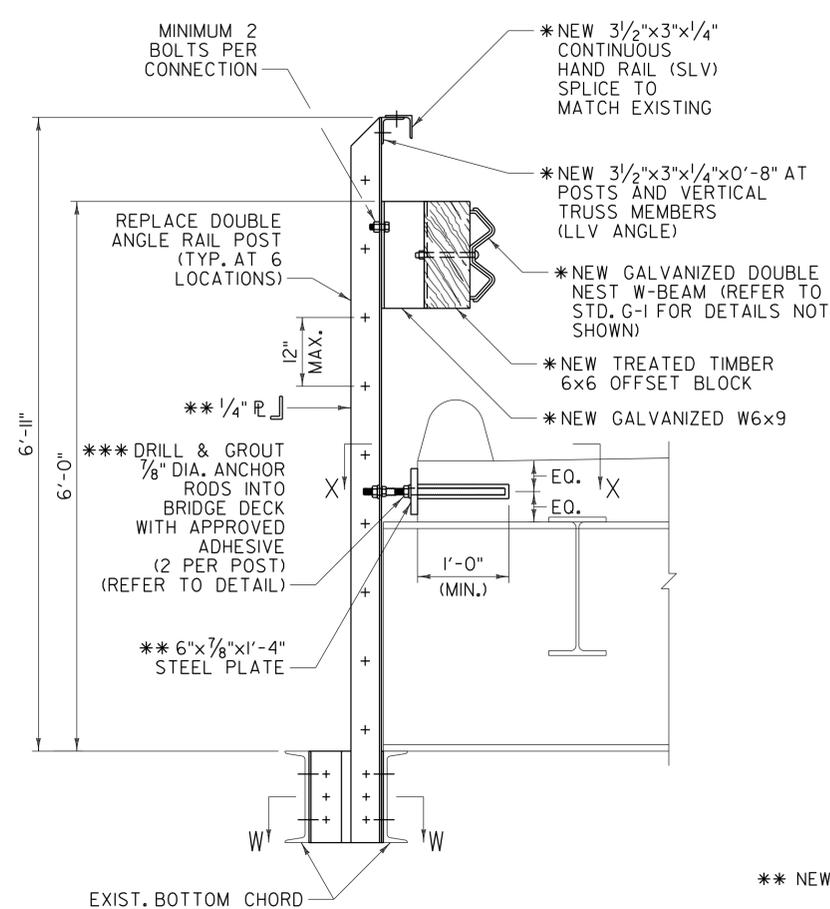
REMOVAL OF EXISTING BRIDGE RAIL
 STA. 43+68.43 TO STA. 44+92.43 LT. & RT.
SPECIAL PROVISION (BRIDGE RAILING, TRUSS)
 STA. 43+68.43 TO STA. 44+92.43 LT. & RT.
STRUCTURAL STEEL/DOWEL DRILL & GROUT/BRIDGE PLAQUE
 REFER TO SUMMARY OF ANTICIPATED STEEL REPAIRS ON THE PROJECT NOTES SHEET.



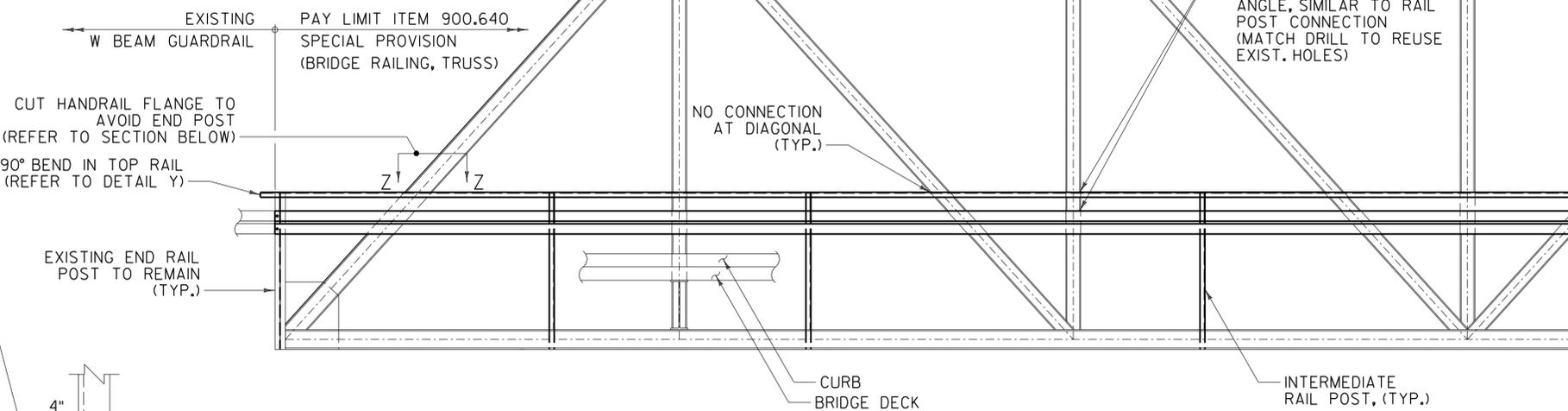
NOTE: UTILITY RELOCATIONS SHOWN TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.

PROJECT NAME: MORRISTOWN	
PROJECT NUMBER: BF 0239(3)	
FILE NAME: z13j274bdr.dgn	PLOT DATE: 11/18/2015
PROJECT LEADER: T. KNIGHT	DRAWN BY: J. SOTER
DESIGNED BY: T. KNIGHT	CHECKED BY: D. YOULEN
LAYOUT PLAN	SHEET 5 OF 9

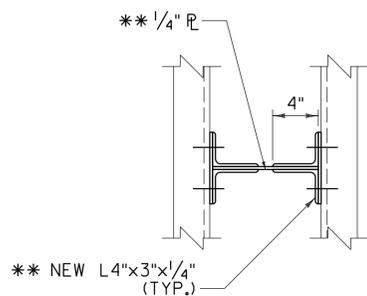




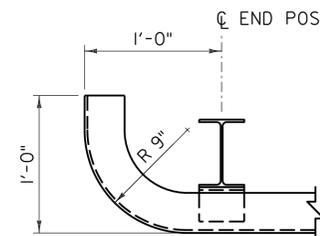
TYPICAL RAIL SECTION
SCALE: 1" = 1'-0"



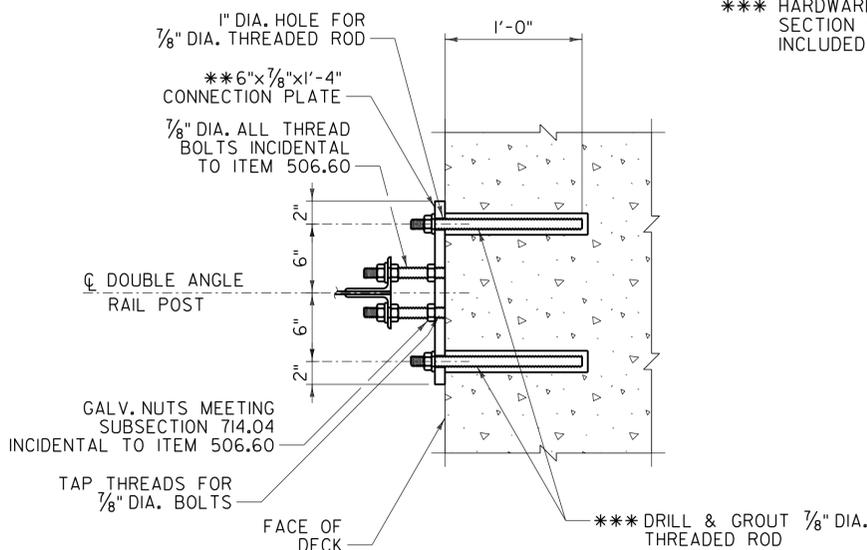
ELEVATION
SCALE: 1/4" = 1'-0"



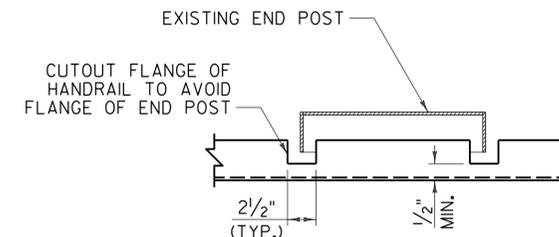
SECTION W-W
SCALE: 1 1/2" = 1'-0"



DETAIL Y
*90° BEND IN TOP RAIL AT END POST
SCALE: 1 1/2" = 1'-0"



SECTION X-X
SCALE: 1 1/2" = 1'-0"



SECTION Z-Z
HANDRAIL FLANGE CUTOUT
SCALE: 1 1/2" = 1'-0"

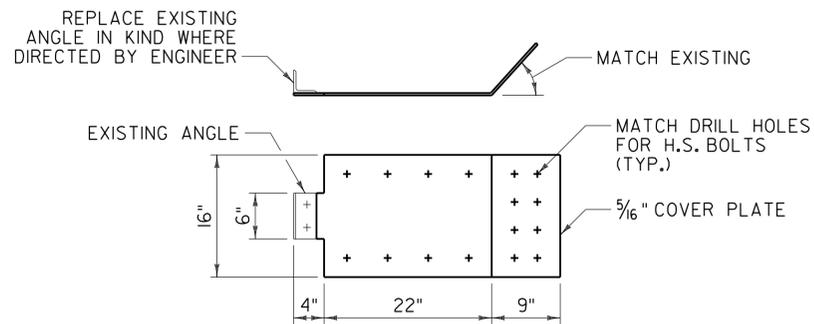
- NOTES:**
- * HAND RAIL, OFFSET BLOCKS, CLIP ANGLE, SPLICES AND ASSOCIATED HARDWARE SHALL BE FURNISHED AND INSTALLED PER ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, TRUSS).
 - ** REPLACEMENT OF BRIDGE RAIL POSTS SHALL BE INCLUDED IN ITEM 506.60.
 - *** HARDWARE AND ANCHOR SHALL BE IN ACCORDANCE WITH SECTION 506 AND SUBSECTION 714.07, COST SHALL BE INCLUDED IN ITEM 507.16.

PROJECT NAME: MORRISTOWN
PROJECT NUMBER: BF 0239(3)

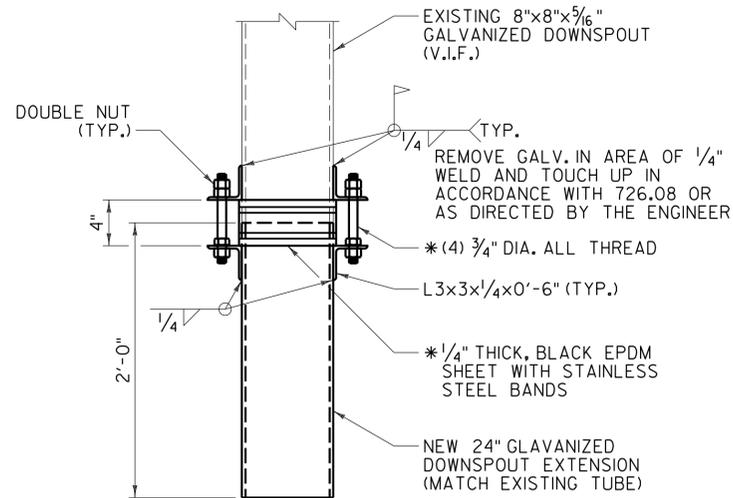
FILE NAME: z13j274+yp.dgn
PROJECT LEADER: T. KNIGHT
DESIGNED BY: T. KNIGHT
BRIDGE RAIL DETAILS

PLOT DATE: 11/18/2015
DRAWN BY: J. SOTER
CHECKED BY: G. BOGUE
SHEET 6 OF 9



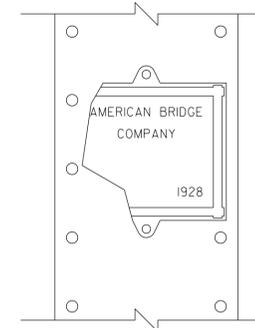


DETAIL A
 REPLACE END GUSSET COVER PLATE
 SCALE: 1" = 1'-0"



* INCIDENTAL TO ITEM 506.60

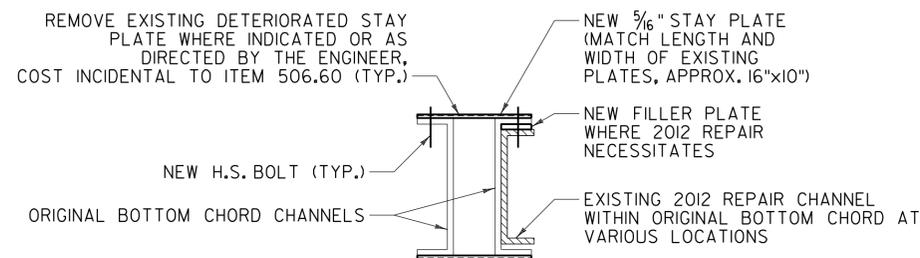
DETAIL D
 SCUPPER EXTENSION DETAIL
 SCALE: 1/2" = 1'-0"



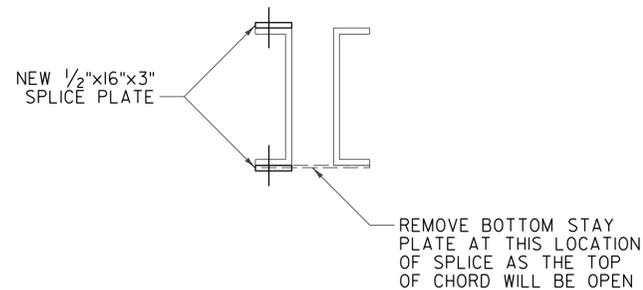
EXISTING BRIDGE PLAQUE

NOTE: REMOVE EXISTING BRIDGE PLAQUE AND DELIVER TO THE TOWN HIGHWAY DEPARTMENT (PHONE: 802-888-6369)

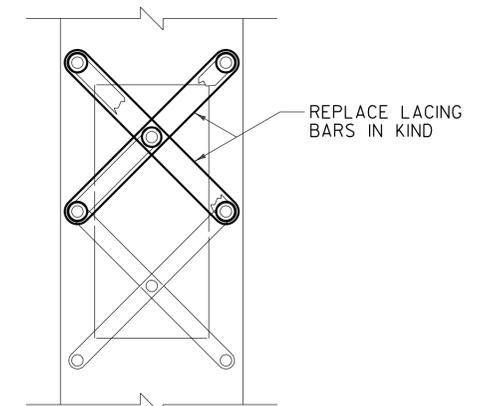
DETAIL F
 NOT TO SCALE



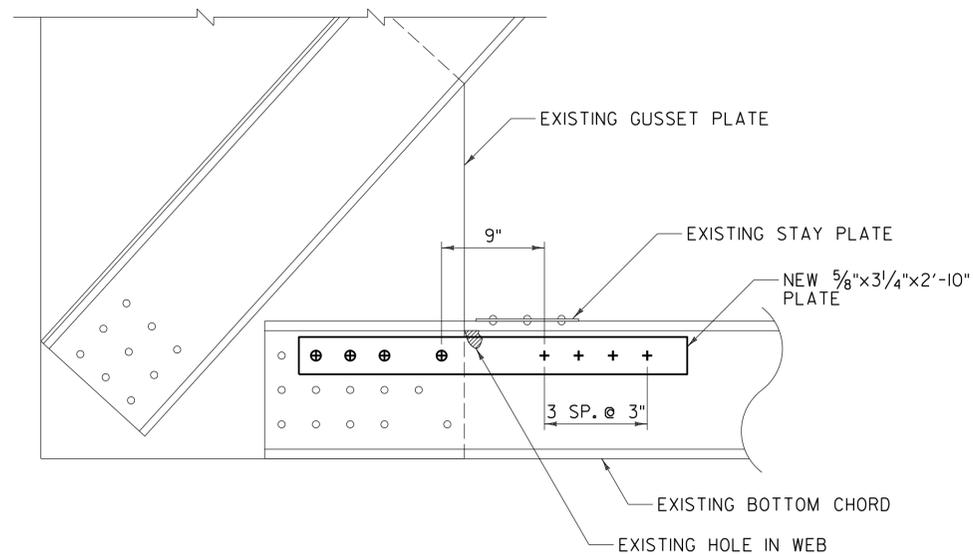
DETAIL B
 BOTTOM CHORD REPAIRS (VARIOUS LOCATIONS)
 SCALE: 1/2" = 1'-0"



DETAIL E
 BOTTOM CHORD REPAIRS (VARIOUS LOCATIONS)
 SCALE: 1/2" = 1'-0"



DETAIL G
 NOT TO SCALE



DETAIL C
 BOTTOM CHORD REPAIR
 SCALE: 1/2" = 1'-0"

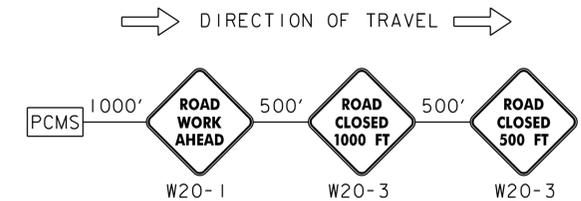
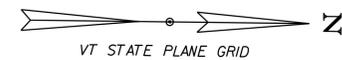
- ⊕ REPLACE EXISTING RIVET WITH H.S. BOLT (MATCH DRILL IN FIELD)
- + NEW 7/8" DIA. H.S. BOLT
- EXISTING RIVET TO REMAIN



PROJECT NAME: MORRISTOWN
 PROJECT NUMBER: BF 0239(3)

FILE NAME: z13j274+yp.dgn
 PROJECT LEADER: T. KNIGHT
 DESIGNED BY: T. KNIGHT
 REPAIR DETAILS

PLOT DATE: 11/18/2015
 DRAWN BY: J. SOTER
 CHECKED BY: G. BOGUE
 SHEET 7 OF 9



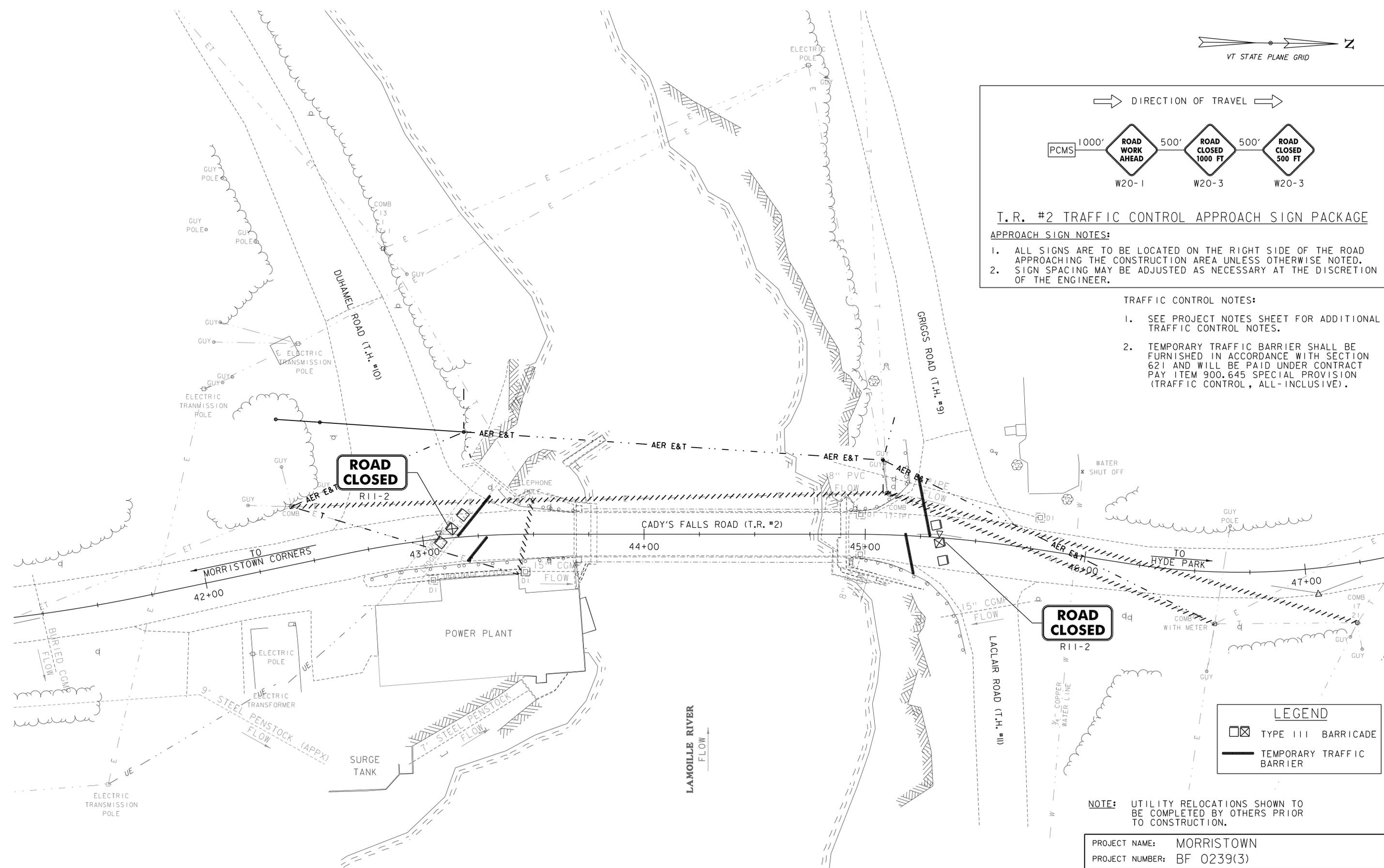
T.R. #2 TRAFFIC CONTROL APPROACH SIGN PACKAGE

APPROACH SIGN NOTES:

1. ALL SIGNS ARE TO BE LOCATED ON THE RIGHT SIDE OF THE ROAD APPROACHING THE CONSTRUCTION AREA UNLESS OTHERWISE NOTED.
2. SIGN SPACING MAY BE ADJUSTED AS NECESSARY AT THE DISCRETION OF THE ENGINEER.

TRAFFIC CONTROL NOTES:

1. SEE PROJECT NOTES SHEET FOR ADDITIONAL TRAFFIC CONTROL NOTES.
2. TEMPORARY TRAFFIC BARRIER SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 621 AND WILL BE PAID UNDER CONTRACT PAY ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

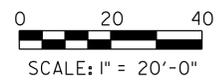


ROAD CLOSED

ROAD CLOSED



NOTE: UTILITY RELOCATIONS SHOWN TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION.



PROJECT NAME:	MORRISTOWN	FILE NAME:	z13j274bdr.ttc.dgn	PLOT DATE:	11/18/2015
PROJECT NUMBER:	BF 0239(3)	PROJECT LEADER:	T. KNIGHT	DRAWN BY:	J. SOTER
		DESIGNED BY:	T. KNIGHT	CHECKED BY:	D. YOULEN
		TRAFFIC CONTROL PLAN		SHEET	8 OF 9

