REVIEWER'S NOTES:

I. ROW EASEMENTS NEEDED.

2. SEWER RELOCATION IS ANTICIPATED.

3. WATERLINE RELOCATION IS ANTICIPATED.

4. OVERHEAD UTILITY RELOCATION IS REQUIRED.



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PROJ	IECT D	ESCR	IPTION:	ТН
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	BEGI STA.	<u>N BR</u> 12+28	<u>IDGE</u> 8.84	
	<u>begin</u> sta.	<u> PRO</u> +2!	<u>JECT</u> 5.00	
VT RTE	9 TO 'ORK		ECT HI +00	
			P	
40 80				

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 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 : C. CYR SURVEYED DATE : 3/2017 DATUM VERTICAL NAVD88 HORIZONTAL NAD83 (2011)

0		40		80
	SCALE	IN	FEET	

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

BRIDGE REPLACEMENT PROJECT

TOWN OF BENNINGTON COUNTY OF BENNINGTON BRIDGE NO.6

HE BRIDGE IS LOCATED ON TOWN HIGHWAY 2 (VT ROUTE 9/MAIN STREET, MILE MARKER 4.955), APPROXIMATELY 5 MILES EAST OF THE INTERSECTION OF TOWN HIGHWAY 2 (VT ROUTE 9/MAIN STREET) WITH TOWN HIGHWAY I JS ROUTE 7/NORTH STREET/SOUTH STREET).

HIS PROJECT INVOLVES REPLACEMENT OF THE EXISTING BRIDGE SUPERSTRUCTURE AND RELATED WORK.

59.13 FEET 219.39 FEET 278.52 FEET







	HIGHWAY DIVISION, CHIEF ENGINEER
() Stantec	APPROVED DATE
	PROJECT MANAGER : ROB YOUNG, PE
Stantec Consulting Services Inc.	
55 Green Mountain Drive	PROJECT NAME : BENNINGTON
Phone: (802) 864-0223	PROJECT NUMBER : BF 1000(20)
Fax: (802) 864-0165 www.stantec.com	SHEET I OF 14 SHEETS

STATE OF VERMONT AGENCY OF TRANSPORTATION

INDEX OF SHEETS

PLAN SHEETS

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2	PRELIMINARY INFORMATION SHEET
3	TYPICAL SECTION
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CONVENTIONAL SYMBOLOGY LEGEND SHEET TIE SHEET

5 TIE SHEET 6 LAYOUT SHEET

- 7 PROFILE SHEET
- 8 9 ROUTE 9 CROSS SECTION SHEET 1-2
- 10 13 CHANNEL CROSS SECTION SHEET 1-4
- 14 EXISTING CONDITIONS PLAN

DETAIL SHEETS

SD-501.00	CONCRETE DETAILS AND NOTES
SD-502.00	CONCRETE DETAILS AND NOTES
SD-516.10	BRIDGE JOINT ASHPALTIC PLUG

2/9/2012 10/10/2012 8/29/2011

					AS BUILT "REBAR" DETAIL				
			LEVEL I	LEVEL II	LEVEL III				
YEAR	ADT	DHV	% D	% T	ADTT	20 year ESAL for flexible pavement from 2018 to 2038 : 0	TYPE:	TYPE:	TYPE:
2018	8800	930	57	3.1	330	40 year ESAL for flexible pavement from 2018 to 2058 : 0	GRADE:	GRADE:	GRADE:
2038	9800	1000	57	4.6	550	Design Speed : 30 mph			

PRELIMINARY INFORMATION SHEET (BRIDGE)

STANDARDS LIST



		LRFD
FINAL HYDRA		
		6
	 MAINTAIN TRAFFIC ON AN OFF SITE DETOUR. TRAFFIC SIGNALS ARE NOT NECESSARY. 	
	3. SIDEWALKS ARE NOT NECESSARY	
	DESIGN VALUES	
	1. DESIGN LIVE LOAD 2. FUTURE PAVEMENT	HL-93 dp:
	3. DESIGN SPAN	<i>L:</i> 0.00 FT
	 MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED L PRESTRESSING STRAND (0.60 INCH DIAMETER - LOW RELAX 	$\frac{\Delta :}{f_V : 270 \text{ KSI}}$
	6. PRESTRESSED CONCRETE STRENGTH 7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'c: 6.0 KSI f'ci: 5.0 KSI
	8. HIGH PERFORMANCE CONCRETE, CLASS PCD 9. HIGH PERFORMANCE CONCRETE, CLASS PCS	f'c: 4.0 KSI f'c: 3.5 KSI
	10. CONCRETE HIGH PERFORMANCE, CLASS PSS	f'c: 4.0 KSI
	12. REINFORCING STEEL 13. STRUCTURAL STEEL AASHTO M270	<i>fy</i> : 60 KSI
	14 NOMINAL BEARING RESISTANCE OF SOIL	a n: 40 KSE
	15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LE	qn: 4.0 (KSF RFD) \$\overline{4}\$: \$\mathcal{q}\$_{\verline{1}}\$: 10.0 (KSF
	17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO L	RFD)
STR. 5A. SEMI	18. PILE RESISTANCE FACTOR	φ: <u></u>
4.5 38	20. BASIC WIND SPEED	<u>A:</u> V3s:
	21. MINIMUM GROUND SNOW LOAD 22. SEISMIC DATA PGA:	pg: Ss:
	23.	<u>S1:</u>
	24. 25.	
	PROJECT NUMBER: BF 1000(20)	
	FILE NAME: z12j606pi.xls PLOT D	DATE: 1/14/2020
	PROJECT LEADER: T. KNIGHT DRAWN	NBY: J. BURKE FD BY: ד גאווכישד
	PRELIMINARY INFORMATION SHEET SHEET	2 OF 14



ER N	9'-6" SIDEWALK	
		€
	888 0	
4'-0''	4'-2 1/8 '' 4'-0'	I

	project name: BENNINGTON project number: BF 1000(20)	
ntec	FILE NAME: zI2j606typ.dgn PROJECT LEADER: T.KNIGHT DESIGNED BY: T.KNIGHT TYPICAL SECTION	PLOT DATE: 4/15/2020 DRAWN BY: J.BURKE CHECKED BY:G.BOGUE SHEET 3 OF 14

GENERAL INFORMATION	COMMON TOPOGRAPHIC POINT SYMBOLS
SYMBOLOGY LEGEND NOTE	POINT CODE DESCRIPTION
THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER	$\Rightarrow \Delta PI = BOI IND \Delta PP \Delta RENT I OC \Delta TION$
STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY IS	 BM BENCHMARK
USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER	\square BND BOUND
LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION,	CB CATCH BASIN
AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND	¢ COMB COMBINATION POLE
VARY PLAN ANNOTATIONS AND NOTES SHOULD BE	DITHR DROP INLET THROATED DNC
USED TO CLARIFY AS NEEDED.	\$\phi\$ELELECTRIC POWER POLE
	 FPOLE FLAGPOLE
	⊙ GASFIL GAS FILLER
	• GP GUIDE POST
	⋈ GSO GAS SHUT OFF
	• GUY GUY POLE
	○ GUYW GUY WIRE
	GV GATE VALVE
	Image: Big H TREE HARDWOOD
	A HCTRL CONTROL HORIZONTAL
	A HVCIRL CONTROL HORIZ. & VERTICAL
	♦ HYD HYDRANI
	IFIFE IKUN FIFE ⊢ II III IICUT _ CTDEFT OD VADD
	 PM PARKING METER
	$\square PMK PROJECT MARKER$
	○ POST POST STONE/WOOD
	RRSIG RAILROAD SIGNAL
	RRSL RAILROAD SWITCH LEVER
	S TREE SOFTWOOD
	SAT SATELLITE DISH
	🚱 SHRUB SHRUB
	パ STUMP STUMP
	-O- TEL TELEPHONE POLE
R.O.W. ABBREVIATIONS (CODES) & SYMBOLS	∘ TIE TIE
	TSIGN SIGN W/DOUBLE POST
PUINT CODE DESCRIPTION	✓ VCTRL CONTROL VERTICAL
BF BARRIER FENCE	• WELL WELL
CH CHANNEL EASEMENT	⋈ WSO WATER SHUT OFF
CUNST CONSTRUCTION EASEMENT	
	THESE ARE COMMON VAOT SURVEY POINT SYMBOLS
	FOR EXISTING FEATURES, ALSO USED FOR PROPOSED
DR DRAINAGE EASEMENT	FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION
DRIVE DRIVEWAY FASEMENT	WITH PROPOSED ANNOTATION.
EC EROSION CONTROL	
HWY HIGHWAY EASEMENT	PROPOSED GEOMETRY CODES
I&M INSTALL & MAINTAIN EASEMENT	
LAND LANDSCAPE EASEMENT	
PDF PROJECT DEMARCATION FENCE	
R&RES REMOVE & RESET	
R&REP REMOVE & REPLACE	
R.T.&I. RIGHT, TITLE, AND INTEREST	
SR SLOPE RIGHT	PRC POINT OF REVERSE CLIRVE
UE UTILITY EASEMENT	POB POINT OF REGINNING
(P) PERMANENT EASEMENT	POE POINT OF FNDING
(T) TEMPORARY EASEMENT	STA STATION PRFFIX
■ BNDNS BOUND SFT	AH AHEAD STATION SUFFIX
BNDNS BOUND TO BE SET	BK BACK STATION SUFFIX
◎ IPNF IRON PIN FOUND	D CURVE DEGREE OF (IOOFT)
● IPNS IRON PIN TO BE SET	R CURVE RADIUS OF
CALC EXISTING ROW POINT	T CURVE TANGENT LENGTH
O PROW PROPOSED ROW POINT	L CURVE LENGTH OF
[LENGTH] LENGTH CARRIED ON NEXT SHEET	E CURVE EXTERNAL DISTANCE
	CB CHORD BEARING

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES
<i>— UT — · · – · · – TELEPHONE</i>
- UET - ·· - ELECTRIC+TELEPHONE
GAS LINE
— s — ·· — · · - SANITARY SEWER (SEPTIC)
ABOVE GROUND UTILITIES (AERIAL)
— <i>AGU</i> — · · — · · – 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+TELEPHONE
PROJECT CONSTRUCTION SYMBOLOGY
PROJECT DESIGN & LAYOUT SYMBOLOGY

PROJECI	DESIGN	&	LAYOU	I SYN
	- CZ —	_	CLEAR	ZONE

- PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

	TOP OF CUT SLOPE
$\bigcirc \bigcirc $	TOE OF FILL SLOPE
8 8 8 8 8 8	STONE FILL
	BOTTOM OF DITCH €
=========:	CULVERT PROPOSED
	STRUCTURE SUBSURFACE
PDF PDF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
****	TREE PROTECTION ZONE (TPZ)
///////////////////////////////////////	STRIPING LINE REMOVAL
$\sim \sim \sim \sim \sim \sim$	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINE	ES
TOWN LINE	TOWN BOUNDARY LINE
COUNTY LINE	COUNTY BOUNDARY LINE
STATE LINE	STATE BOUNDARY LINE
— <i>///</i> — — —	PROPOSED STATE R.O.W. (LIMITED ACCESS
	PROPOSED STATE R.O.W.
	STATE ROW
	TOWN ROW
· · ·	- PERMANENT EASEMENT LINE (P)
	— TEMPORARY EASEMENT LINE (T)
+ +	
$\frac{P}{L} - \frac{P}{L}$	PROPERTY LINE (P/L)
<u>∧ SR SR</u>	SR ⊖ SLOPE RIGHTS
6f 6f	6F PROPERTY BOUNDARY
4f 4f	- 4F PROPERTY BOUNDARY
HAZ ——— HAZ	HAZARDOUS WASTE

• • • • • • • • • • • • • • • • • • •	FILTER CURTAIN SILT FENCE SILT FENCE WOVEN WIRE
► <u></u> ► <u></u> ►	CHECK DAM DISTURBED AREAS REQUIRING RE-VEGETATION
	EROSION MATTING
SEE EPSC DETAIL	SHEETS FOR ADDITIONAL SYMBOLOGY
<u>Environmental</u>	RESOURCES
— —— — —	WETLAND BOUNDARY RIPARIAN BUFFER ZONE
	WETLAND BUFFER ZONE SOIL TYPE BOUNDARY
T&E HAZ HAZ	THREATENED & ENDANGERED SPECIES
——————————————————————————————————————	AGRICULTURAL LAND
—— HABITAT —— —— FLOOD PLAIN ——	FISH & WILDLIFE HABITAT FLOOD PLAIN
—OH₩	ORDINARY HIGH WATER (OHW) Storm water
	USDA FOREST SERVICE LANDS WILDLIFE HABITAT SUIT/CONN
ARCHEOLOGICAL	_ & HISTORIC
——————————————————————————————————————	ARCHEOLOGICAL BOUNDARY HISTORIC DISTRICT BOUNDARY
	HISTORIC AREA
H	HISTORIC STRUCTURE
CONVENTIONAL	TOPOGRAPHIC SYMBOLOGY
EXISTING FEAT	ROAD EDGE PAVEMENT
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION -× FENCE (EXISTING)
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION -× FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION -× FENCE (EXISTING) -□ FENCE WOOD POST -○ FENCE STEEL POST ~~- GARDEN
EXISTING FEAT	RAIL ROAD TRACKS
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL ROAD EDGE ROAD EDGE ROAD EDGE ROAD EDGE GRAVEL RAILROAD POST ROAD GUARDRAIL RAILROAD TRACKS CULVERT (FXISTING)
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE WOOD POST GARDEN RAILROAD TRACKS CULVERT (EXISTING) WALL
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION X FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN RAILROAD TRACKS CULVERT (EXISTING) CULVERT (EXISTING) WOOD LINE WOOD LINE HEDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE
EXISTING FEAT $\times \\ \times \\ \times \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ $	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION -X FENCE (EXISTING)
EXISTING FEAT	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 WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED
EXISTING FEAT	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 WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED BENNINGTON
EXISTING FEAT	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 WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED BENNINGTON BF IOOO(20)



DP6153'TO REACH FROM THE INTERSECTION OF VT ROUTE 9 AND US ROUTE 7 GO EAST DP6153'ALONG VT ROUTE 9 FOR 2.0 MI (3.2 KM) TO THE SITE OF THE MARK ON THE DP6153'LEFT. THE MARK IS LOCATED IN THE GRASSY TRIANGLE FORMED BY THE VT DP6153'ROUTE 279 SOUTHBOUND OFF-RAMPS AND VT ROUTE 9. THE MARK IS SET 5 CM DP6153' (2 INCHES) ABOVE GROUND SURFACE IN THE TOP OF AN 20 CM (8 INCH) DP6153' DIAMETER CONCRETE MONUMENT IN A PLASTIC FOOTING TUBE. THE MARK IS DP6153'II.6 M (38.1 FT) NORTH OF AND ABOUT O.1 M (O.3 FT) HIGHER THAN THE VT DP6153'ROUTE 9 NORTH EDGE OF PAVEMENT, 19.5 M (64.0 FT) NORTHWEST OF A DP6153' TRAFFIC SIGNAL, 13.7 M (44.9 FT) WEST-SOUTHWEST OF THE CENTERLINE OF DP6153' THE OFF-RAMP TO VT ROUTE 9 EAST, 15.6 M (51.2 FT) SOUTH-SOUTHWEST OF DP6153' THE NORTH TIP OF THE TRIANGLE, 7.9 M (25.9 FT) EAST OF THE CENTERLINE DP6153' OF THE OFF-RAMP TO VT ROUTE 9 WEST, 13.2 M (43.3 FT) NORTHEAST OF THE DP6153' CENTER OF A 40 CM (16 INCH) SQUARE DRAIN AND 0.2 M (0.7 FT)

	NORTH =	
	$FIFV_{a} =$	
	NORTH =	
	EAST =	
	ELEV. =	
ſ		
	PROJECT NAME: BENNINGION	
	project number: BF 1000(20)	
	FILE NAME: XIZJOUSTI.dgn PRA IECT I EADER, T KANCUT	PLUI DAIL: 4/15/2020
antec	DESIGNED RY. VITONIC	CHECKED RY. C UITCUCOCV





Sta

	project name: BENNINGTON	
	project number: BF 1000(20)	
ntec	FILE NAME: zI2j606pro.dgn PROJECT LEADER: T.KNIGHT DESIGNED BY: I.MAYNARD PROFILE SHEET	PLOT DATE: 4/15/2020 DRAWN BY: I.MAYNARD CHECKED BY: T.KNIGHT SHEET 7 OF 14

STA. 14+00 TO STA. 14+04

	project name: BENNINGTON	
	project number: BF 1000(20)	
ntec	FILE NAME: zI2j606xs.dgn PROJECT LEADER: T.KNIGHT DESIGNED BY: I.MAYNARD ROUTE 9 CROSS SECTION SHEET 2	PLOT DATE: 4/15/2020 DRAWN BY: 1. MAYNARD CHECKED BY: T. KNIGHT SHEET 9 OF 14

	project name: BENNINGTON	
	project number: BF 1000(20)	
tec	FILE NAME: zI2j606xs.dgn PROJECT LEADER: T.KNIGHT DESIGNED BY: I.MAYNARD CHANNEL CROSS SECTION SHEET 4	PLOT DATE: 4/15/2020 DRAWN BY: I.MAYNARD CHECKED BY: T.KNIGHT SHEET I3 OF 14

	project name: BENNINGTON project number: BF 1000(20)	
intec	FILE NAME: zI2j606bdr.dgn PROJECT LEADER: T.KNIGHT DESIGNED BY: I.MAYNARD EXISTING CONDITIONS PLAN	PLOT DATE: 4/15/2020 DRAWN BY: P.ARMATA CHECKED BY: T.KNIGHT SHEET 14 OF 14

TYPICAL CONCRETE EXPANSION JOINT (NOT TO SCALE)

¾'' (TYP)

74

SCORE MARK DETAIL

(NOT TO SCALE)

1/2 " (TYP)

PAYMENT FOR THE P.V.C. WATERSTOP SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR THE ADJACENT CONCRETE.

OTHER CONFIGURATIONS OF WATERSTOP MAY BE USED UPON APPROVAL OF THE ENGINEER.

PAYMENT FOR THE P.V.C. WATERSTOP SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR THE ADJACENT CONCRETE.

OTHER CONFIGURATIONS OF WATERSTOP MAY BE USED UPON APPROVAL OF THE ENGINEER.

- I. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
- 2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
- 3. REINFORCING STEEL NOT SHOWN FOR CLARITY.
- 4. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

DETAILS ON THIS SHEET ARE NOT TO SCALE.		
	REVISIONS	
MAY 7,2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION	
AUGUST 29,2011	ADD DETAIL "B" AND REV. NOTES	

INSTALLATION:

- BINDER MATERIAL.
- 4
- MANUFACTURER.

WEATHER LIMITATIONS

APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS **RECOMMENDED BY THE MANUFACTURER:**

- 2. THE ROAD SURFACE IS DRY.

BRIDGE JOINT ASPHALTIC PLUG

ASPHALTIC PLUG JOINT NOTES

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT. MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING

PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

5. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE

6. IMMEDIATELY AFTER TOP COATING. CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

