

GENERAL INFORMATION

SYMBOLY LEGEND NOTE

THE SYMBOLY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLY. THE SYMBOLY 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. SYMBOLY 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 BENCH MARK
□	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 VALVE
⊕	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 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 SYMBOLY

UNDERGROUND UTILITIES

— 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)

— 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 SYMBOLY

—	CLEAR ZONE
—	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

▲	TOP OF CUT SLOPE
○	TOE OF FILL SLOPE
⊕	STONE FILL
⊕	BOTTOM OF DITCH 'L
---	CULVERT PROPOSED
---	STRUCTURE SUBSURFACE
PDF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
XXXXXX	TREE PROTECTION ZONE (TPZ)
////	STRIPING LINE REMOVAL
~~~~	SHEET PILES

**CONVENTIONAL BOUNDARY SYMBOLY**

**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
---	PROPERTY LINE (P/L)
SR	SLOPE RIGHTS
6f	6F PROPERTY BOUNDARY
4f	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

**EPSC LAYOUT PLAN SYMBOLY**

**EPSC MEASURES**

ONNOONNOONNO	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
---	THREATENED & ENDANGERED SPECIES
HAZ	HAZARDOUS WASTE AREA
---	AGRICULTURAL LAND
---	FISH & WILDLIFE HABITAT
---	FLOOD PLAIN
---	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 SYMBOLY**

**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: MORGAN - BRIGHTON  
PROJECT NUMBER: STP SURF(4I)

FILE NAME: pl3c552_Morgan-Brighton.dgn PLOT DATE: 14-MAY-2014  
PROJECT LEADER: J. HARRINGTON DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: PAYT MGMT  
CONVENTIONAL SYMBOLY - LEGEND SHEET 2 OF 16

NOTES:

1. IF NEEDED PATCHING AND POT HOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.

2. PROJECT BEGIN AND END COLD PLANED TRANSITIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAILS IN THE PLANS. ANY SAWCUTTING AT BUTT JOINTS SHALL BE PAID INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.

3. IN AREAS ALONG THE BASE OF GUARDRAIL LOCATIONS WHERE WINTER SAND AND OTHER DEBRIS HAS ACCUMULATED, THIS MATERIAL SHALL BE REMOVED PRIOR TO COLD PLANING AND HOT-IN-PLACE RECYCLING AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY FOR ITEM 203.40 SHOULDER BERM REMOVAL HAS BEEN INCLUDED TO COVER THE COSTS ASSOCIATED WITH THIS WORK.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE ENGINEER ACTUAL YIELD FOR THE RECYCLING AGENT USAGE FOLLOWING A DAY'S PRODUCTION TO ENSURE MIX DESIGN TOLERANCES ARE MET.

5. HOT-IN-PLACE RECYCLING DEPTH TOLERANCES = +/- 1/4" TREATMENT DEPTH.

6. BRIDGE INVENTORY WITHIN THE PROJECT LIMITS ARE:

MORGAN

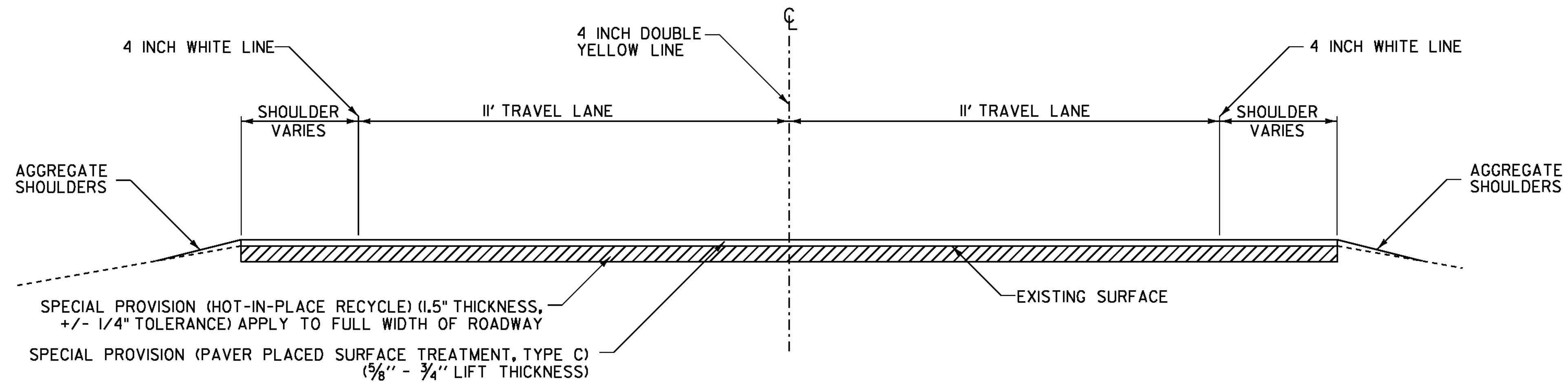
BRIDGE NUMBER 4 MM 2.430 48" CMPAC (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 5 MM 3.025 12.5" X 8' CONCRETE SLAB (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 6 MM 4.091 58" SQUASH PIPE (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 7 MM 4.424 6' X 2' BURIED CONCRETE SLAB (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 8 MM 4.763 30' X 8' CONCRETE T-BEAM (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 9 MM 5.772 5' X 5' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 10 MM 9.586 60" CMPAC (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)  
BRIDGE NUMBER 11 MM 10.522 4' X 4' CONCRETE BOX (OVERLAY WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)

BRIGHTON

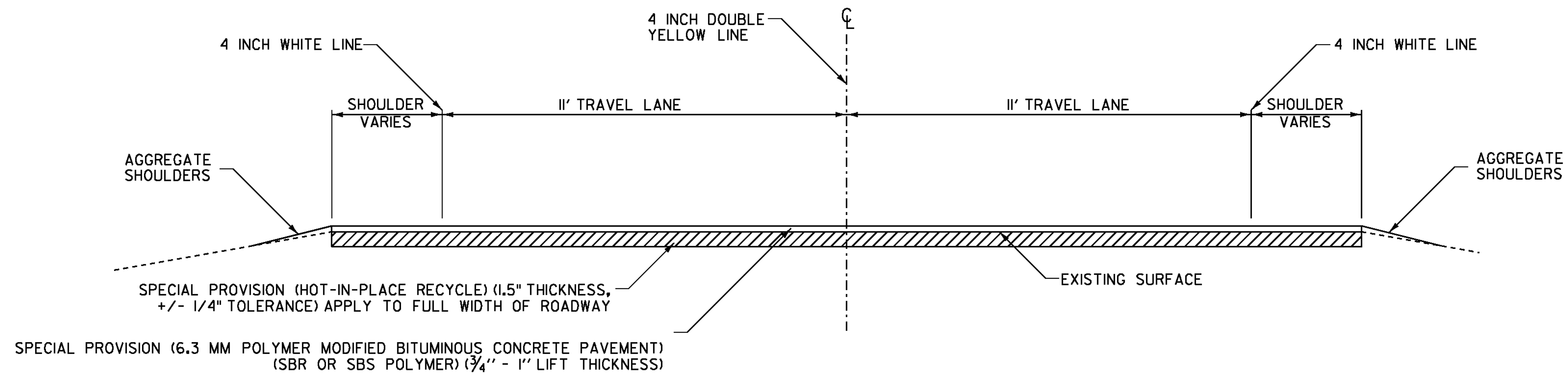
BRIDGE NUMBER 12 MM 0.092 SINGLE SPAN CONCRETE CIP, LENGTH 31' (COLD PLANE 1" THEN PAVE WITH THE FINAL ALTERNATIVE SURFACE TREATMENT)

**NOT TO SCALE**

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DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
PROJECT NOTES	SHEET 3 OF 16



**VT ROUTE 111 TYPICAL SECTION ALTERNATE A**  
**MM 0.962 (MORGAN) - MM 0.137 (BRIGHTON)**

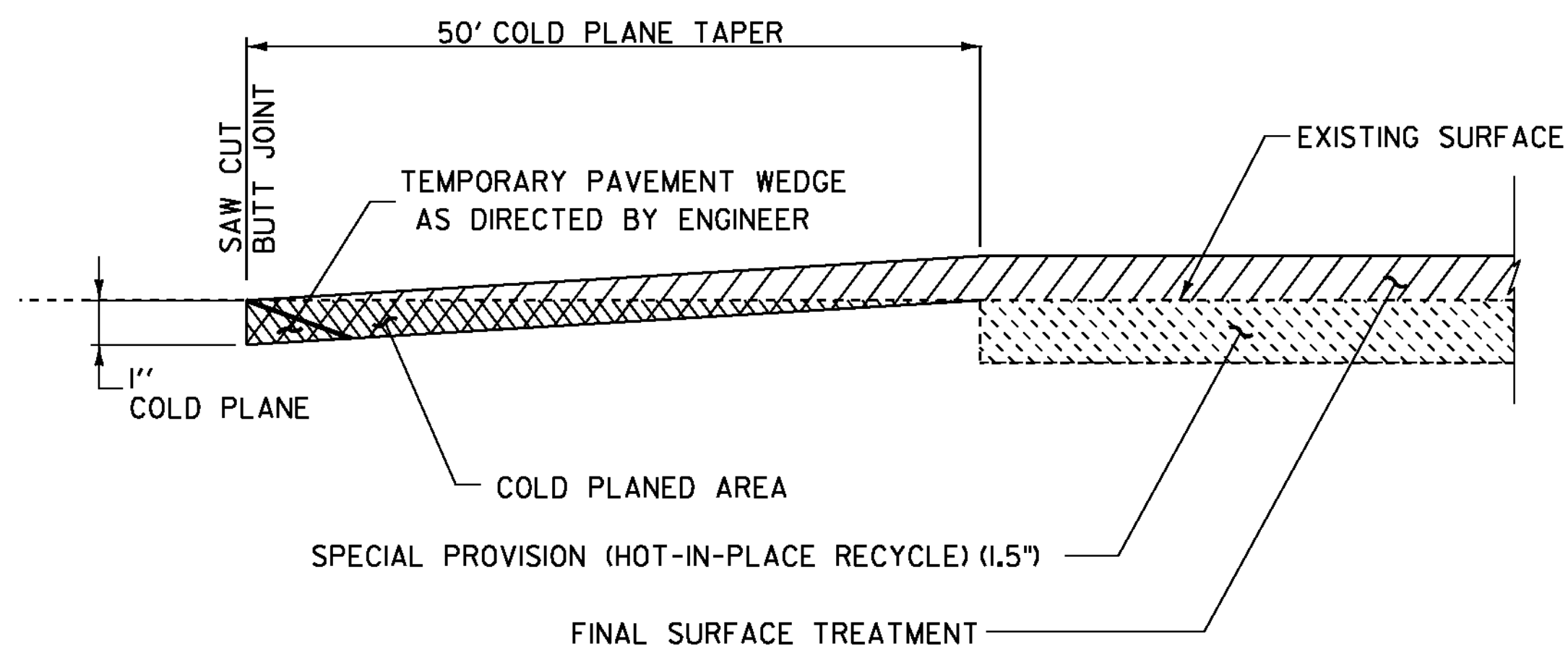


**VT ROUTE 111 TYPICAL SECTION ALTERNATE B**  
**MM 0.962 (MORGAN) - MM 0.137 (BRIGHTON)**

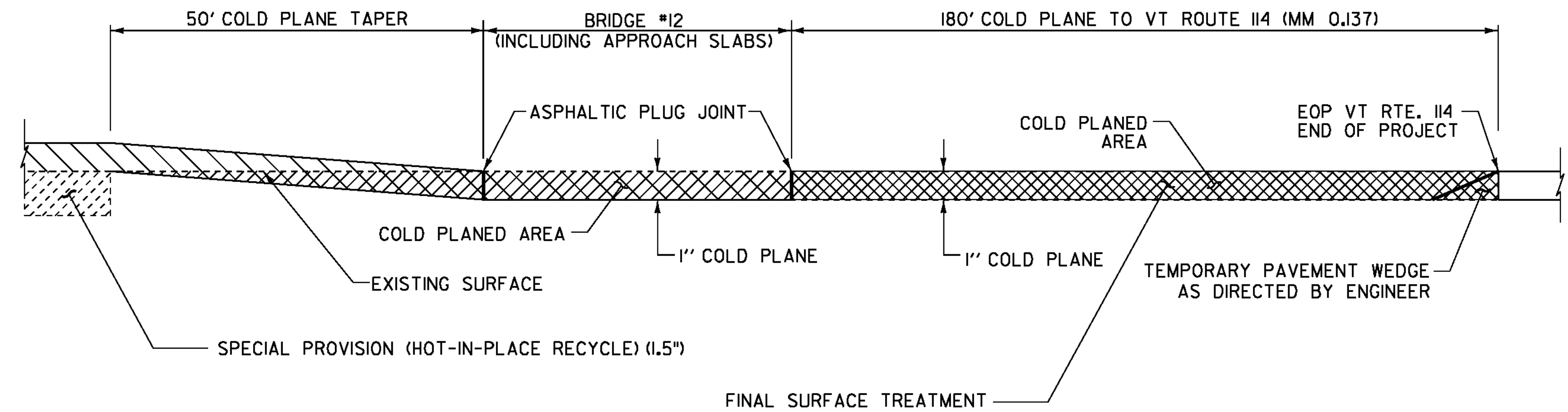
- NOTES:
1. PRIOR TO THE PLACEMENT OF THE POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT, EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL HOT-IN-PLACE RECYCLE AT A RATE OF 0.080 GAL/SY (+/- 0.01 GAL/SY) OR AS DIRECTED BY THE ENGINEER. EMULSIFIED ASPHALT SHALL BE RS-IH OR CRS-IH PER THE MANUFACTURER'S RECOMMENDATION AND PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT RS-IH OR CRS-IH).
  2. THE GYRATION SPECIFICATION FOR THE 6.3 MM POLYMER - MODIFIED BITUMINOUS CONCRETE PAVEMENT SHALL BE 65.

**NOT TO SCALE**

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PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
TYPICAL SECTIONS	SHEET 4 OF 16

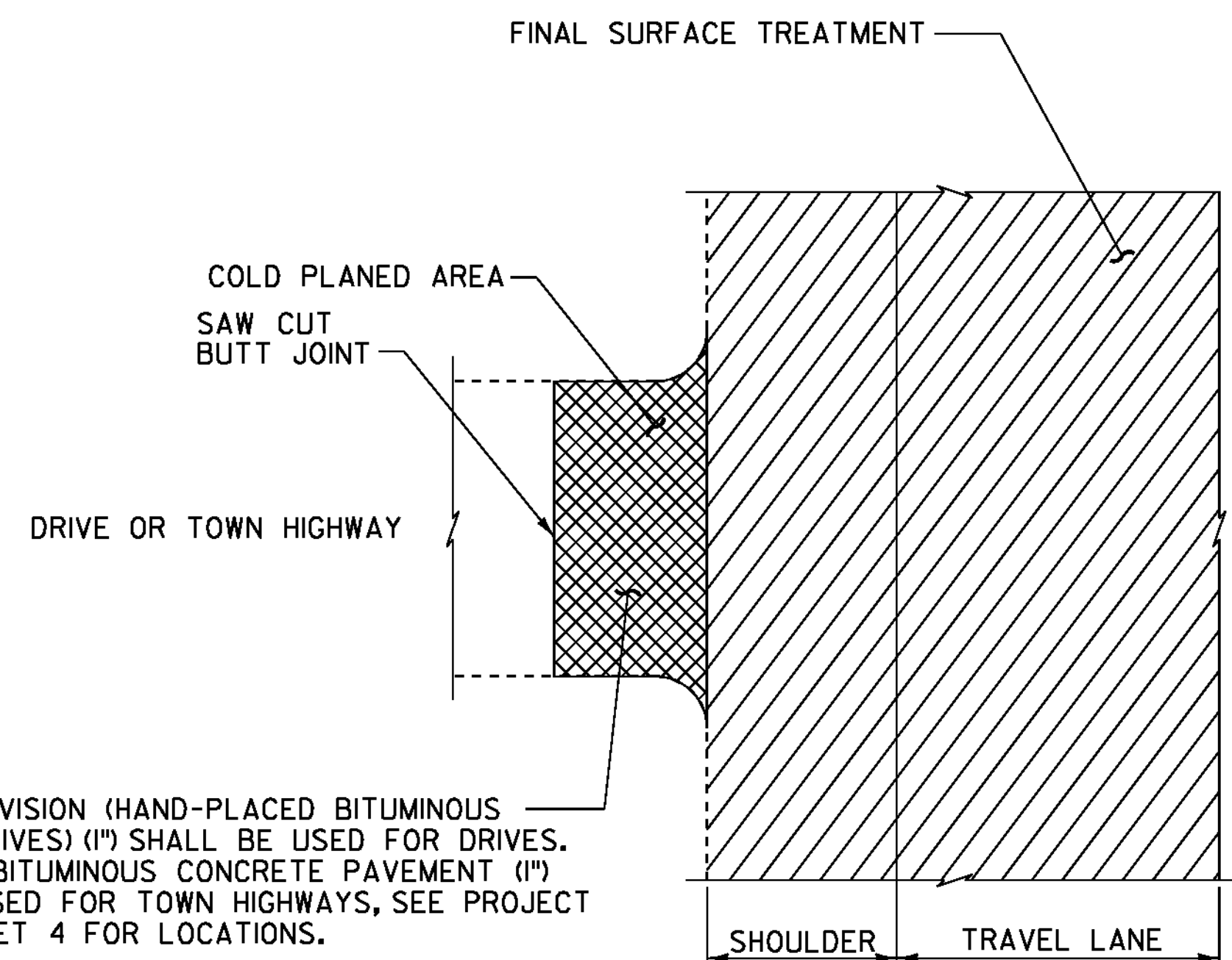


**COLD PLANE DETAIL AT BEGINING OF PROJECT**  
REFER TO BRIDGE COLD PLANE DETAIL FOR END OF PROJECT.

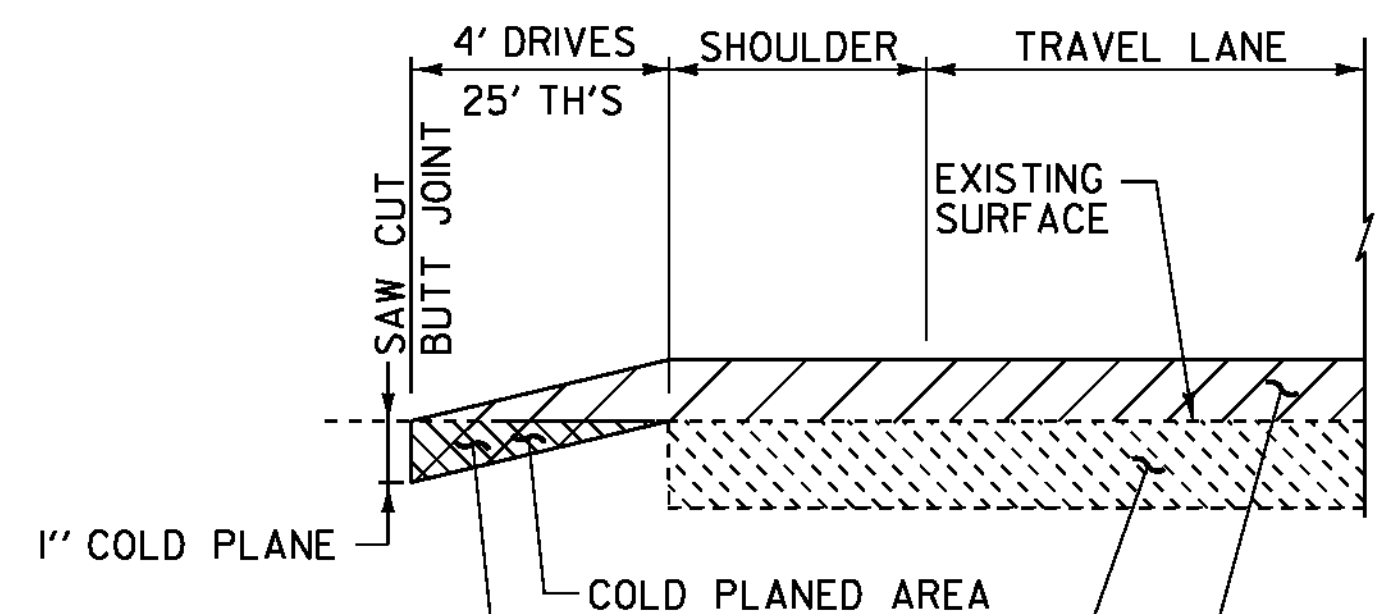


**BRIDGE COLD PLANE DETAIL**

- NOTES:
1. REFER TO ASPHALTIC PLUG JOINT DETAIL SHEET. ALL NEW JOINTS TO BE PAID FOR UNDER ITEM 516.10, BRIDGE EXPANSION JOINT, ASPHALTIC PLUG.
  2. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGING DRAINAGE STRUCTURES AND EXPANSION JOINTS. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR.
  3. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE FEATURES ON A DAILY BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE.
  4. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE RESIDENT ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.



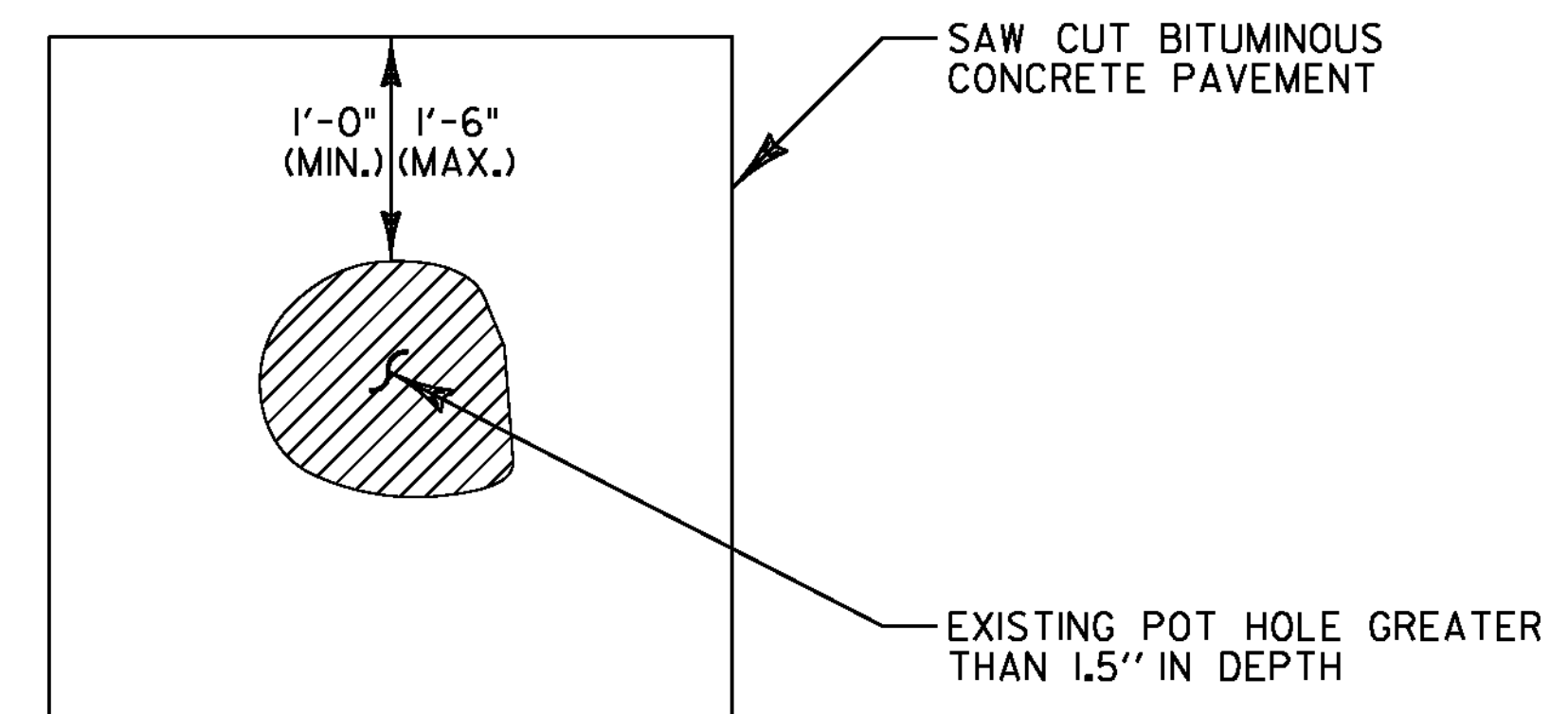
SPECIAL PROVISION (HAND-PLACED BITUMINOUS MATERIAL, DRIVES) (1") SHALL BE USED FOR DRIVES. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (1") SHALL BE USED FOR TOWN HIGHWAYS, SEE PROJECT LAYOUT SHEET 4 FOR LOCATIONS.



SPECIAL PROVISION (HAND-PLACED BITUMINOUS MATERIAL, DRIVES) (1") SHALL BE USED FOR DRIVES. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (1") SHALL BE USED FOR TOWN HIGHWAYS, SEE PROJECT LAYOUT SHEET 4 FOR LOCATIONS.

SPECIAL PROVISION (HOT-IN-PLACE RECYCLE) (1.5")

**COLD PLANE DETAILS AT DRIVES & TOWN HIGHWAYS**



**TYPICAL - POT HOLE REPAIR**

- NOTES:
- 1) TO BE USED IF HOT-IN-PLACE RECYCLE CANT REPAIR EXISTING POTHOLES, AS DIRECTED BY THE ENGINEER.
  - 2) EMULSIFIED ASPHALT SHALL BE APPLIED AT ALL PATCH INTERFACES AT A RATE OF 0.25 - 0.50 GAL/SY. EMULSIFIED ASPHALT SHALL MEET THE REQUIREMENTS OF SECTION 404 AND WILL BE CONSIDERED INCIDENTAL TO THE PATCHING MATERIAL.

**NOT TO SCALE**

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DESIGNED BY: N. PAPPAS	CHECKED BY: PAYT MGMT
PROJECT COLD PLANE DETAILS	SHEET 5 OF 16

# QUANTITY SHEET 1

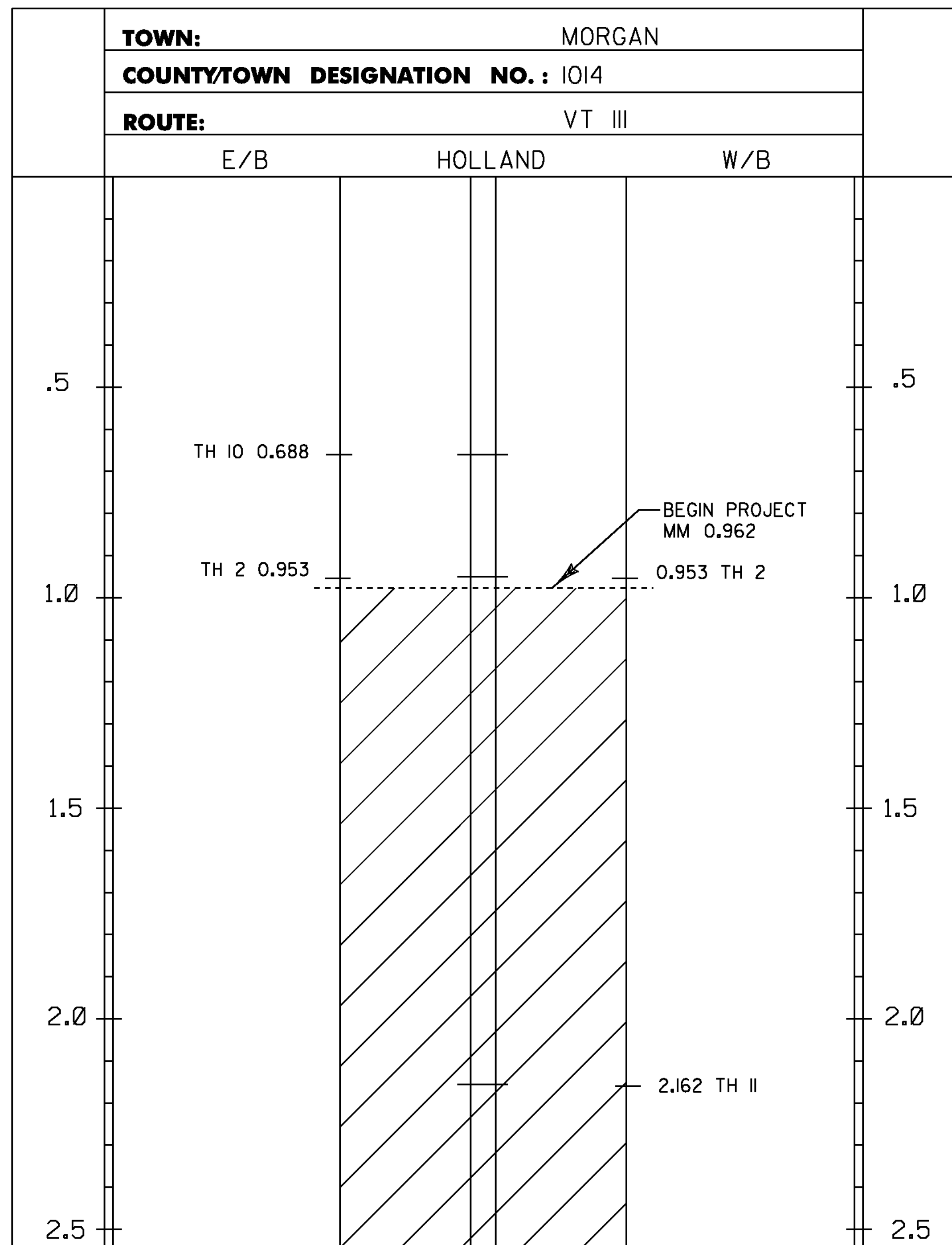
SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
					ROADWAY	BRIDGE	FULL C.E. ITEMS	ROADWAY (ALTERNATE A)	ROADWAY (ALTERNATE B)	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
					5000					5000		LF	SHOULDER BERM REMOVAL	203.40	132			
					1					1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST			COLD PLANING, BITUMINOUS PAVEMENT
					5000					5000		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	216	144 SY		BEGIN PROJECT APPROACH
					18344					18344		LF	MILLED RUMBLE STRIPS	213.10	EST	720 SY		END OF PROJECT
					1050					1050		TON	AGGREGATE SHOULDERS	402.12	141	200 SY		BRIDGE AND APPROACH
					1					1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-	3,720 SY		TOWN HIGHWAYS, DRIVES AND PULLOUTS
					55					55		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	6	4,784 SY		SUBTOTAL
						72				72		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	-	216 SY		ROUNDING
						100				100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST	5,000 SY		TOTAL
					55					55		HR	POWER BROOM RENTAL, TYPE I	608.30	EST			
					375					375		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST			
					2000					2000		HR	FLAGGERS	630.15	EST			
							1			1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
							1			1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
							3000			3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			
					1					1		LS	MOBILIZATION/DEMOBILIZATION	635.11	EST			
					1					1		LS	TRAFFIC CONTROL	641.10	EST			
					3					3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
					108550					108550		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	EST			
					108550					108550		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	EST			
													BEGIN OPTION AA					
					130					130		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	EST			
					130					130		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	EST			
													END OPTION AA					
													BEGIN OPTION BB					
					37					37		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	EST			
					37					37		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	EST			
													END OPTION BB					
					108550					108550		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST			
					108550					108550		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST			
					130					130		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST			
					37					37		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST			
					4068					4068		EACH	LINE STRIPING TARGETS	646.76	EST			
					1					1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
					2900					2900		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	19			
					161000					161000		SY	SPECIAL PROVISION (HOT-IN-PLACE RECYCLE)	900.675				
					100					100		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680				
					35					35		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	3			
					55					55		CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	3			

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 DESIGNED BY: N. PAPPAS CHECKED BY: PAVT MGMT  
 QUANTITY SHEET 1 SHEET 6 OF 16

# QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES					
				ROADWAY	BRIDGE	FULL C.E. ITEMS	ROADWAY (ALTERNATE A)	ROADWAY (ALTERNATE B)	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
							162000		162000		SY	BEGIN ALTERNATE ZA1					
												SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)	900.675	345			ALTERNATE A (ZA1)
												END ALTERNATE ZA1					SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C)
								1	1		LU	BEGIN ALTERNATE ZA2					161,855 SY MAINLINE
												AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-			345 SY ROUNDING
							9525		9525		TON	SPECIAL PROVISION (6.3 MM POLYMER-MODIFIED BITUMINOUS CONCRETE PAVEMENT)(SBR OR SBS POLYMER)	900.680				162,000 SY TOTAL
								1100	1100		CWT	BEGIN ALTERNATE ZA2					ALTERNATE B (ZA2)
												SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	12			SPECIAL PROVISION (6.3MM POLYMER MODIFIED-BITUMINOUS CONCRETE PAVEMENT) (SBR OR SBS POLYMER)
												END ALTERNATE ZA2					9,426 TON MAINLINE
																	99 TON ROUNDING
																	9,525 TON TOTAL

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 DESIGNED BY: N. PAPPAS CHECKED BY: PAVT MGMT  
 QUANTITY SHEET 2 SHEET 7 OF 16



DURABLE 4 INCH WHITE LINE, POLYUREA  
 TEMPORARY 4 INCH WHITE LINE, PAINT  
 MM 0.962 - MM 5.000 LT & RT (EDGE LINES)  
 (WITH BREAKS OR RADII AT TOWN HIGHWAYS)  
 MM 2.163 LT (TH II) SOLID LT & RT  
 MM 2.790 LT (TH I2) SOLID LT & RT  
 MM 2.806 LT (TH I2) SOLID LT & RT  
 MM 2.806 RT (TH 3) SOLID LT & RT

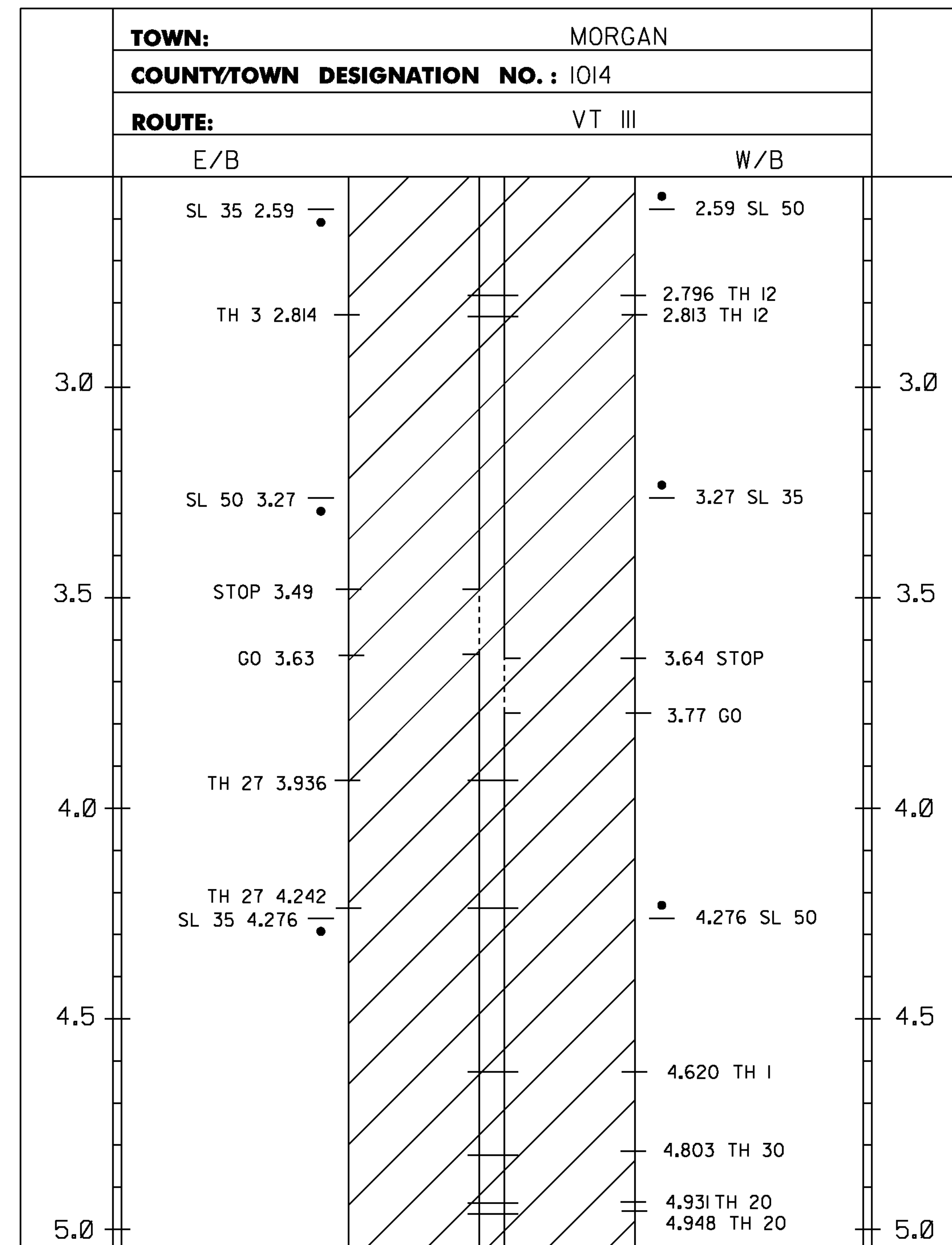
DURABLE 4 INCH YELLOW LINE, POLYUREA  
 TEMPORARY 4 INCH YELLOW LINE, PAINT  
 MM 0.962 - MM 3.490 SOLID LT & RT  
 MM 3.490 - MM 3.630 SOLID LT & DASHED RT  
 MM 3.630 - MM 3.770 DASHED LT & SOLID RT  
 MM 3.770 - MM 5.000 SOLID LT & RT  
 (WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)  
 MM 2.163 LT (TH II) SOLID LT & RT  
 MM 2.790 LT (TH I2) SOLID LT & RT  
 MM 2.806 LT (TH I2) SOLID LT & RT  
 MM 2.806 RT (TH 3) SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT  
 MM 2.163 LT (TH II)  
 MM 2.790 LT (TH I2)  
 MM 2.806 LT (TH I2)  
 MM 2.806 RT (TH 3)

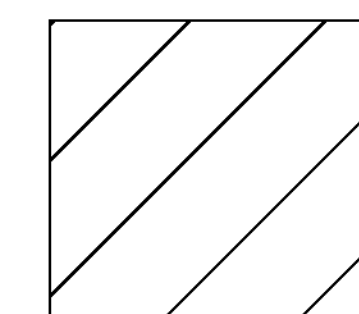
DURABLE 24" STOP BAR (SEE OPTION ITEMS)  
 MM 2.163 LT (TH II)  
 MM 2.790 LT (TH I2)  
 MM 2.806 LT (TH I2)  
 MM 2.806 RT (TH 3)

TEMPORARY LETTER OR SYMBOL, PAINT  
 MM 2.163 LT (TH II) STOP  
 MM 2.790 LT (TH I2) STOP  
 MM 2.806 LT (TH I2) STOP  
 MM 2.806 RT (TH 3) STOP

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)  
 MM 2.163 LT (TH II) STOP  
 MM 2.790 LT (TH I2) STOP  
 MM 2.806 LT (TH I2) STOP  
 MM 2.806 RT (TH 3) STOP



**LEGEND**  
 TWBH-THROUGHWAY BEGINS HERE  
 TWEH-THROUGHWAY ENDS HERE  
 SHB-STATE HIGHWAY BEGINS  
 SHE-STATE HIGHWAY ENDS  
 SL-SPEED LIMIT  
 C/4 TH- CLASS 4 TOWN HIGHWAY  
 T/L-TOWN LINE

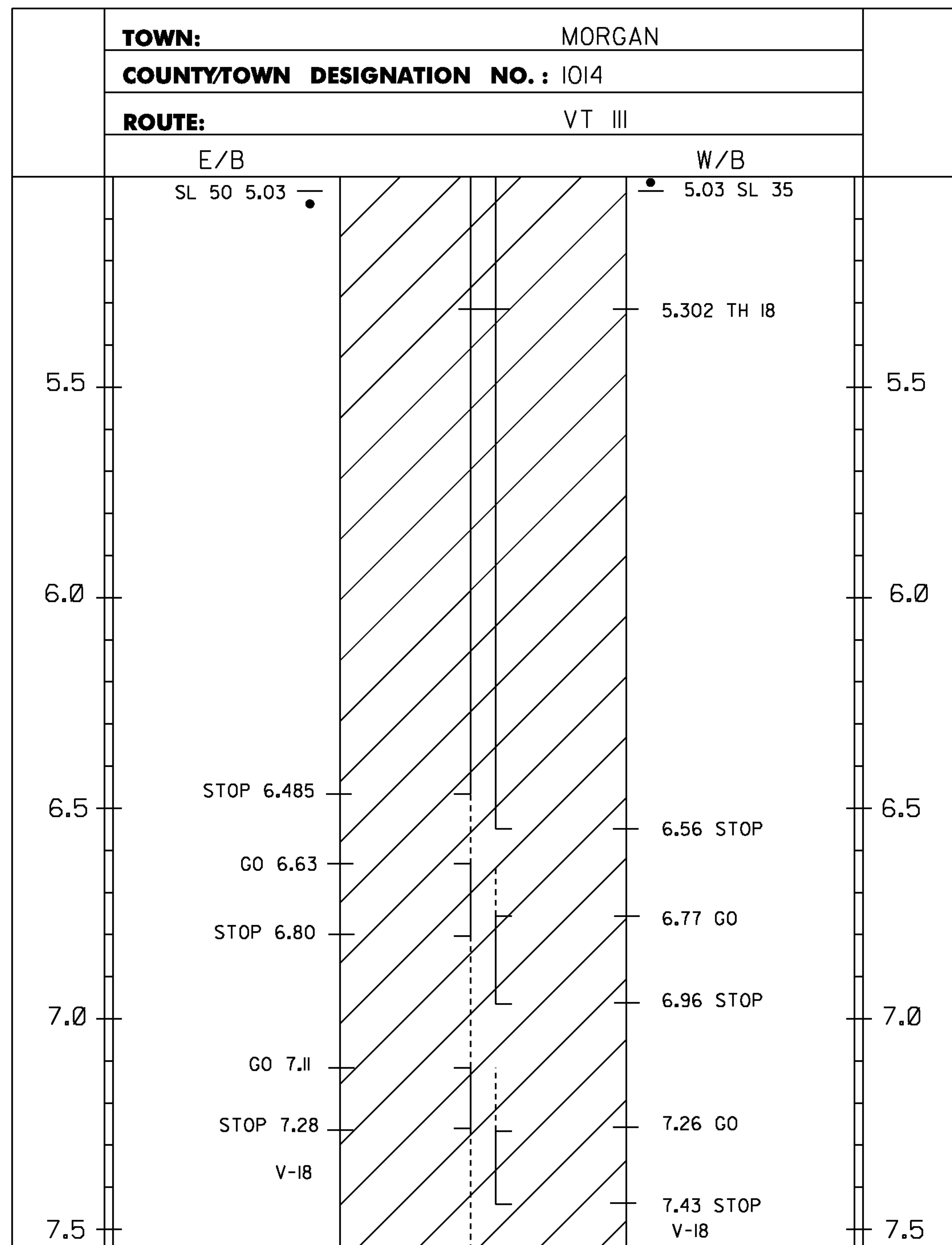


PROJECT AREA

NOTES:  
 I. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
 THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
 AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

**NOT TO SCALE**

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
PROJECT LAYOUT SHEET 1	SHEET 8 OF 16



DURABLE 4 INCH WHITE LINE, POLYUREA  
 TEMPORARY 4 INCH WHITE LINE, PAINT  
 MM 5.000 - MM 10.000 LT & RT (EGDE LINES)  
 (WITH BREAKS OR RADII AT TOWN HIGHWAYS)  
 MM 4.611LT (TH 1) SOLID LT & RT  
 MM 7.650 RT (TH 24) SOLID LT & RT  
 MM 7.450 LT (TH 28) SOLID LT & RT

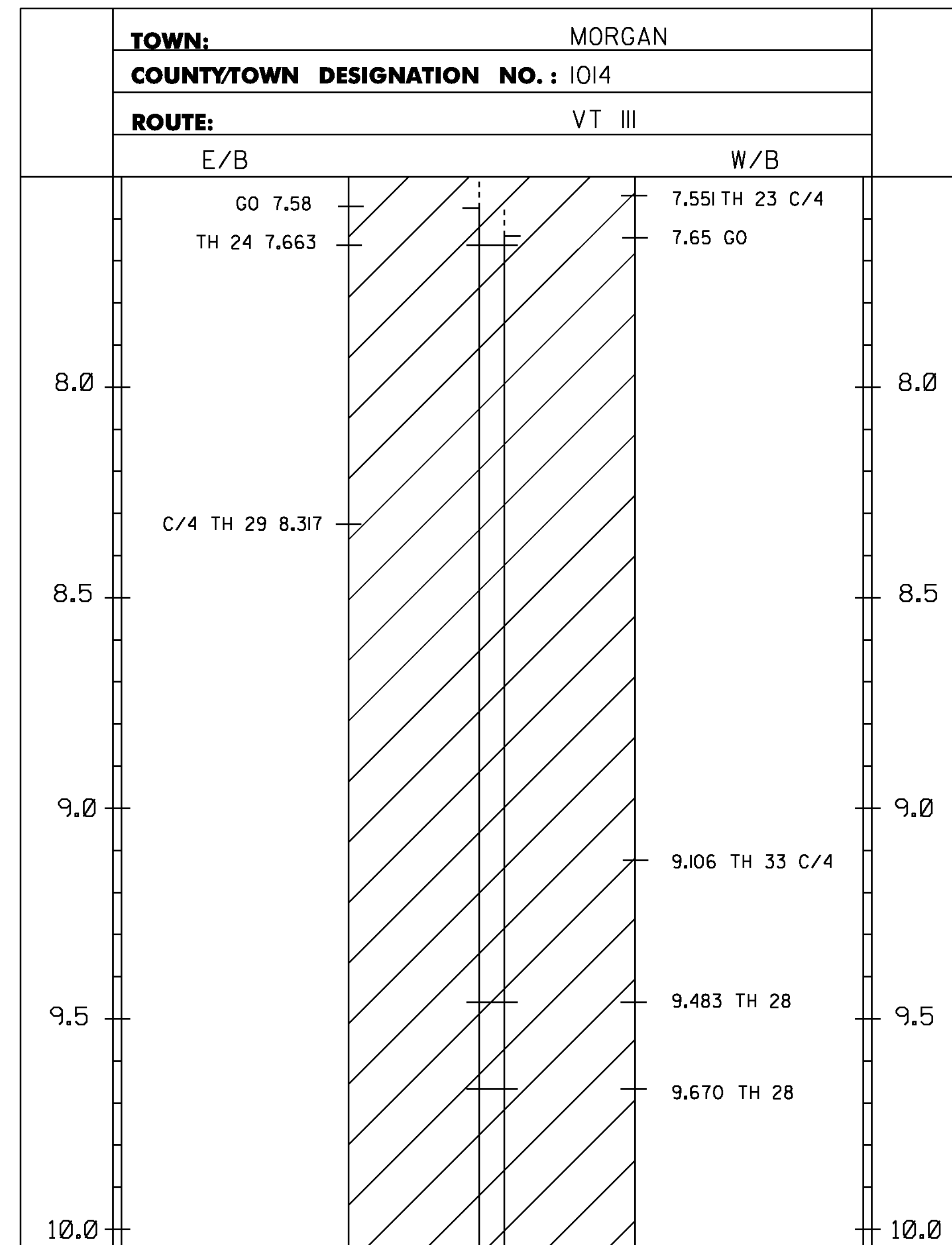
DURABLE 4 INCH YELLOW LINE, POLYUREA  
 TEMPORARY 4 INCH YELLOW LINE, PAINT  
 MM 5.000 - MM 6.485 SOLID LT & RT  
 MM 6.485 - 6.560 MM SOLID LT & DASHED RT  
 MM 6.560 - MM 6.630 DASHED RT  
 MM 6.630 - MM 6.770 DASHED LT & SOLID RT  
 MM 6.770 - MM 6.800 SOLID LT & RT  
 MM 6.800 - MM 6.960 SOLID LT & DASHED RT  
 MM 6.960 - MM 7.110 DASHED LT  
 MM 7.110 - MM 7.260 DASHED LT & SOLID RT  
 MM 7.260 - MM 7.280 DASHED LT & SOLID RT  
 MM 7.280 - MM 7.430 SOLID LT & DASHED RT  
 MM 7.430 - MM 7.551 DASHED RT  
 MM 7.551 - MM 7.580 DASHED RT  
 MM 7.580 - MM 7.650 DASHED LT & SOLID RT  
 MM 7.650 - MM 10.000 SOLID LT & RT  
 (WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)  
 MM 4.611LT (TH 1) SOLID LT & RT  
 MM 7.650 RT (TH 24) SOLID LT & RT  
 MM 7.450 LT (TH 28) SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT  
 MM 5.000 - MM 10.000 LT & RT  
 MM 4.611LT (TH 1)  
 MM 7.650 RT (TH 24)  
 MM 7.450 LT (TH 28)

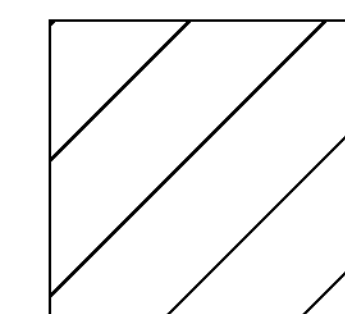
DURABLE 24" STOP BAR (SEE OPTION ITEMS)  
 MM 5.000 - MM 10.000 LT & RT  
 MM 4.611LT (TH 1)  
 MM 7.650 RT (TH 24)  
 MM 7.450 LT (TH 28)

TEMPORARY LETTER OR SYMBOL, PAINT  
 MM 5.000 - MM 10.000 LT & RT  
 MM 4.611LT (TH 1) STOP  
 MM 7.650 RT (TH 24) STOP  
 MM 7.450 LT (TH 28) STOP

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)  
 MM 5.000 - MM 10.000 LT & RT  
 MM 4.611LT (TH 1) STOP  
 MM 7.650 RT (TH 24) STOP  
 MM 7.450 LT (TH 28) STOP



**LEGEND**  
 TWBH-THROUGHWAY BEGINS HERE  
 TWEH-THROUGHWAY ENDS HERE  
 SHB-STATE HIGHWAY BEGINS  
 SHE-STATE HIGHWAY ENDS  
 SL-SPEED LIMIT  
 C/4 TH- CLASS 4 TOWN HIGHWAY  
 T/L-TOWN LINE

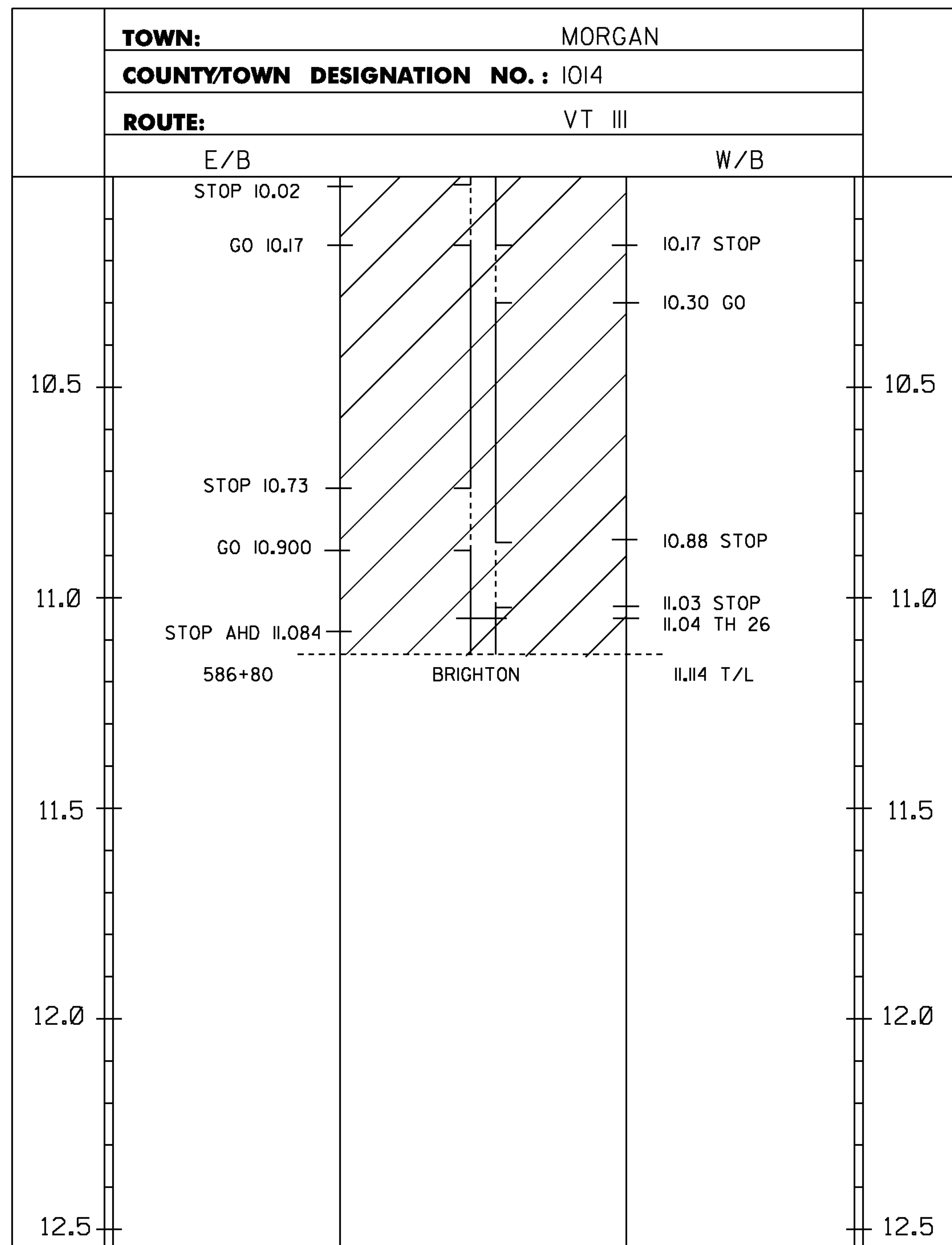


PROJECT AREA

NOTES:  
 1. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
 THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
 AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

**NOT TO SCALE**

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
PROJECT LAYOUT SHEET 2	SHEET 9 OF 16



DURABLE 4 INCH WHITE LINE, POLYUREA  
 TEMPORARY 4 INCH WHITE LINE, PAINT  
 MM 10.000 - MM 0.137 LT & RT (EDGE LINES)  
 (WITH BREAKS OR RADII AT TOWN HIGHWAYS)

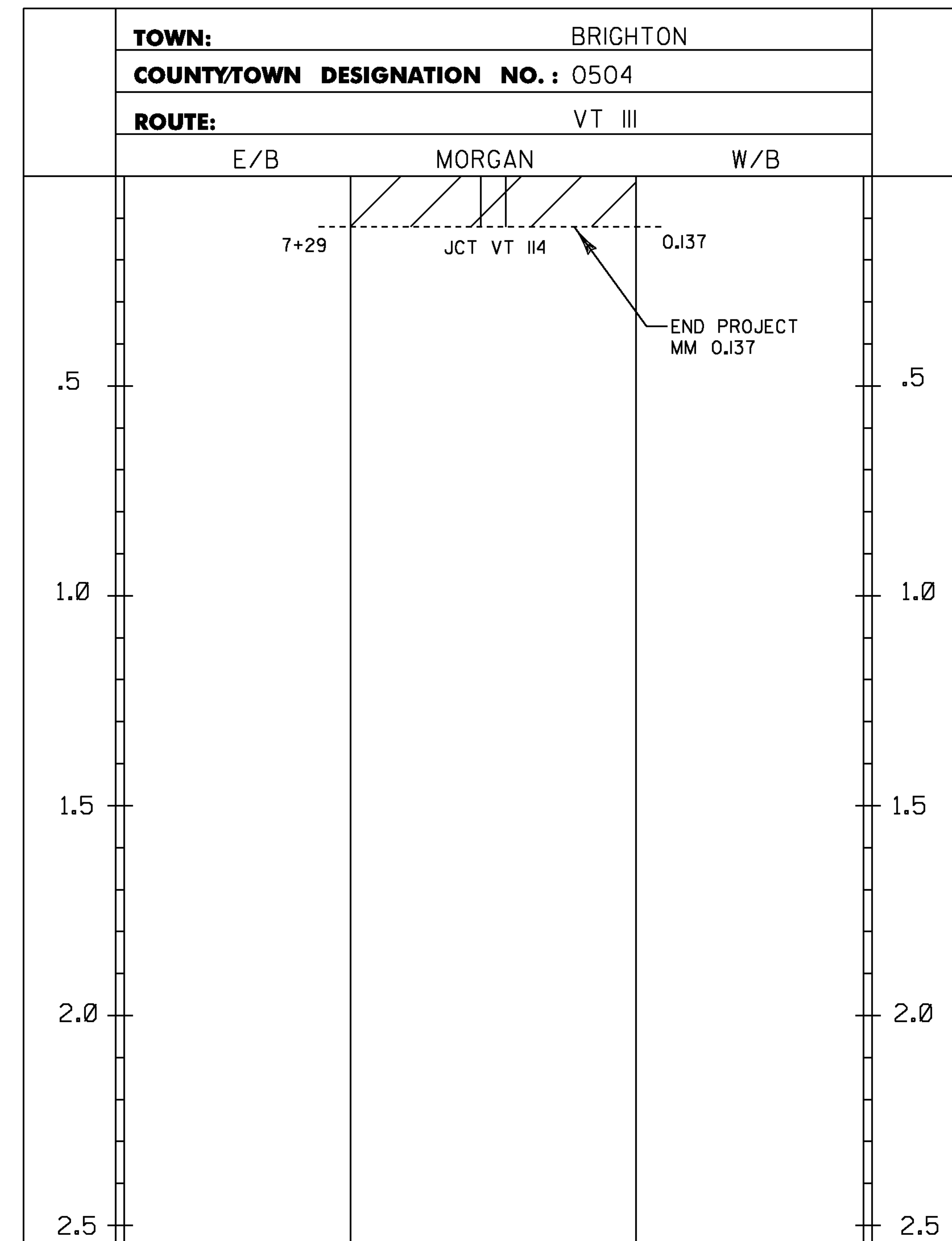
DURABLE 4 INCH YELLOW LINE, POLYUREA  
 TEMPORARY 4 INCH YELLOW LINE, PAINT  
 MM 10.000 - MM 10.020 SOLID LT & RT  
 MM 10.020 - MM 10.170 SOLID LT & DASHED RT  
 MM 10.170 - MM 10.030 DASHED LT & SOLID RT  
 MM 10.030 - MM 10.730 SOLID LT & RT  
 MM 10.730 - MM 10.880 SOLID LT & DASHED RT  
 MM 10.880 - MM 10.900 DASHED RT  
 MM 10.900 - MM 11.030 DASHED LT & SOLID RT  
 MM 11.030 - MM 0.137 SOLID LT & RT  
 (WITH CENTERLINE BREAKS AT TOWN HIGHWAYS)

TEMPORARY 24 INCH STOP BAR, PAINT  
 MM 0.133

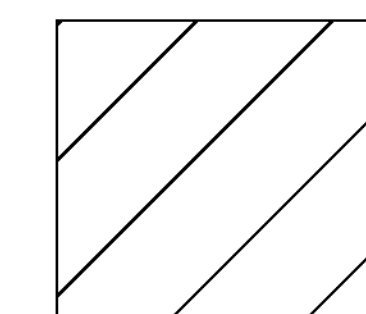
DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)  
 MM 0.133

TEMPORARY LETTER OR SYMBOL, PAINT  
 MM 11.060 "S,T,O,P A,H,E,A,D" (9 EA)  
 MM 0.133 "S,T,O,P" (4 EA)

DURABLE LETTER OR SYMBOL (SEE OPTIONS ITEMS)  
 MM 11.060 "S,T,O,P A,H,E,A,D" (9 EA)  
 MM 0.133 "S,T,O,P" (4 EA)



**LEGEND**  
 TWBH-THROUGHWAY BEGINS HERE  
 TWEH-THROUGHWAY ENDS HERE  
 SHB-STATE HIGHWAY BEGINS  
 SHE-STATE HIGHWAY ENDS  
 SL-SPEED LIMIT  
 C/4 TH- CLASS 4 TOWN HIGHWAY  
 T/L-TOWN LINE



PROJECT AREA

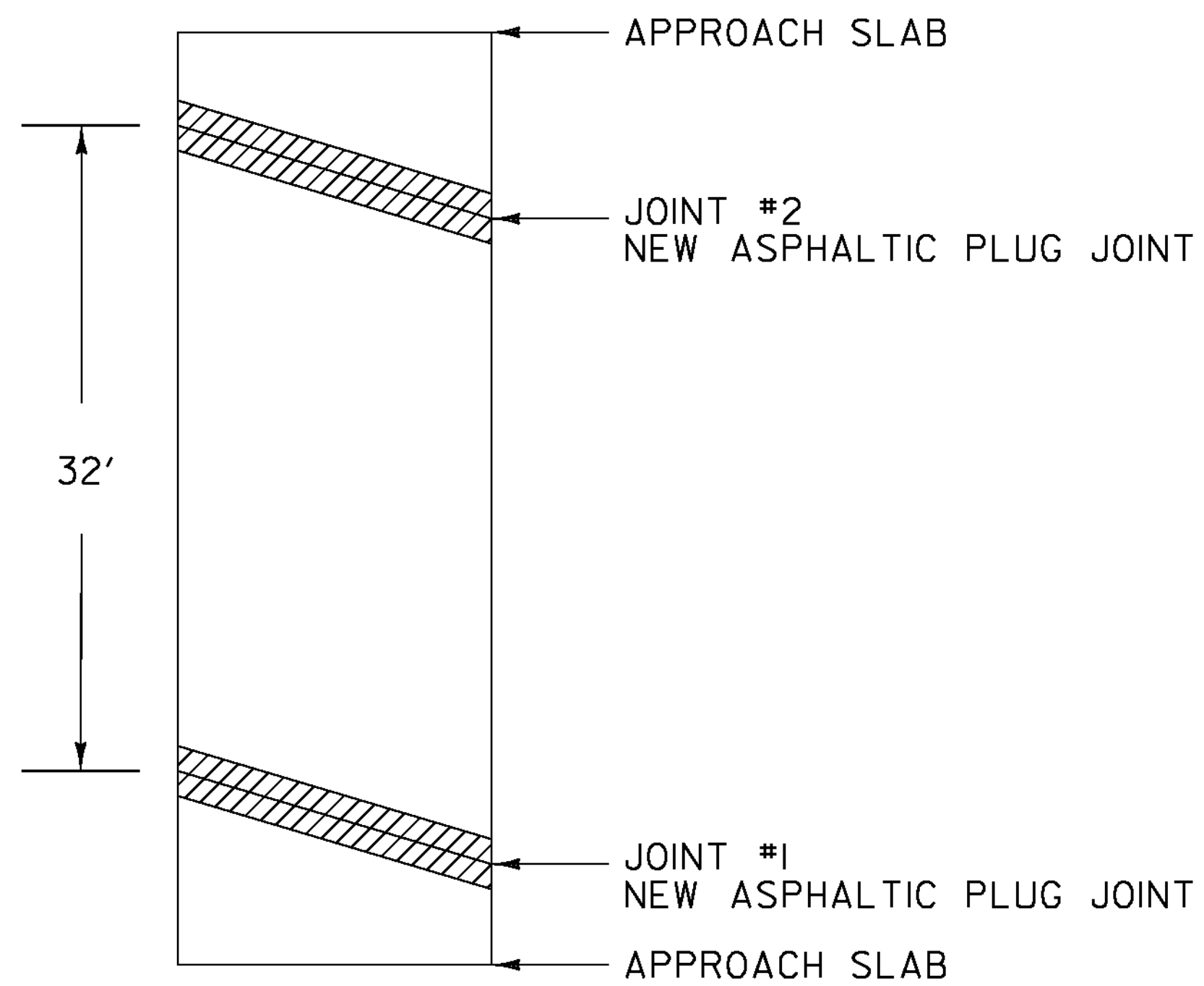
NOTES:  
 I. THIS SHEET TO BE USED FOR THE LAYOUT OF ALL CENTERLINE PAVEMENT MARKINGS.  
 THE RESIDENT ENGINEER MAY CONTACT KEITH SWEET, PAVEMENT MARKING SUPERVISOR  
 AT (802) 828-5573 FOR ASSISTANCE LAYING OUT THE CENTERLINE DURING CONSTRUCTION.

**NOT TO SCALE**

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
PROJECT LAYOUT SHEET 3	SHEET 10 OF 16

TOWN/STATE HIGHWAY NAME	LOCATION MM	MAINLINE CENTERLINE BREAK	MAINLINE EDGE LINE BREAK	TH OR SIDELINE CENTERLINE	TH OR SIDELINE EDGE LINE	TH OR SIDELINE STOP BAR	TH OR SIDELINE STOP BAR LETTERS
MORGAN							
TH #11 CHAMPIGANY RD	2.162 LT	YES	YES	YES	YES	YES	YES
TH #12 MEADE HILL	2.806 LT	YES	YES	YES	YES	YES	YES
TH #12 MEADE HILL	2.806 LT	YES	YES	YES	YES	YES	YES
TH 3 MORGAN-CHARLESTON RD	2.806 RT	YES	YES	YES	YES	YES	YES
TH #27 OXBOW RD	3.914 RT	YES	NO	NO	NO	NO	NO
TH #27 OXBOW RD	4.237 RT	YES	NO	NO	NO	NO	NO
TH #1 VALLEY DR	4.611 LT	YES	YES	YES	YES	YES	YES
TH #30 WATERS ST	4.797 LT	YES	NO	NO	NO	NO	NO
TH # 20 TOAD POND RD	4.938 LT	YES	NO	NO	NO	NO	NO
TH #20 TOAD POND RD	4.938 LT	YES	NO	NO	NO	NO	NO
TH #18 MILE RD	5.295 LT	YES	NO	NO	NO	NO	NO
TH #24 ECHO LAKE / JORDON RD	7.650 RT	YES	YES	YES	YES	YES	YES
TH # 28 BEAR MTN RD	9.450 LT	YES	YES	YES	YES	YES	YES
TH # 28 WHITLE HILL LOOP RD	9.650 LT	YES	NO	NO	NO	NO	NO
TH #26 OLD McCABE RD	11.010 LT	YES	NO	NO	NO	NO	NO

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
PROJECT LAYOUT SHEET 4	SHEET II OF 16



**BRIDGE 12**

MM 0.100 (BRIGHTON)

LENGTH OF ASPHALTIC PLUG JOINTS:

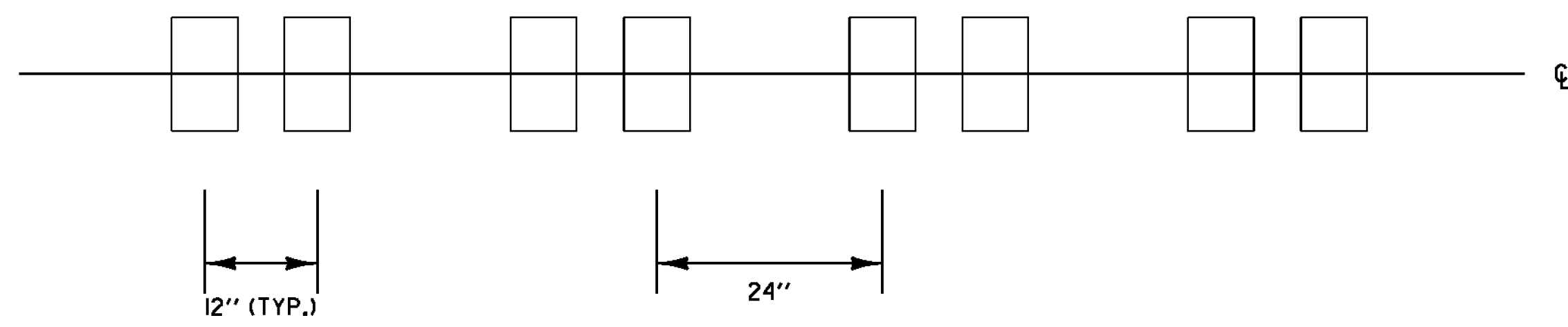
JOINT #1 - 36'  
 JOINT #2 - 36'  
 TOTAL = 72'

**LEGEND**

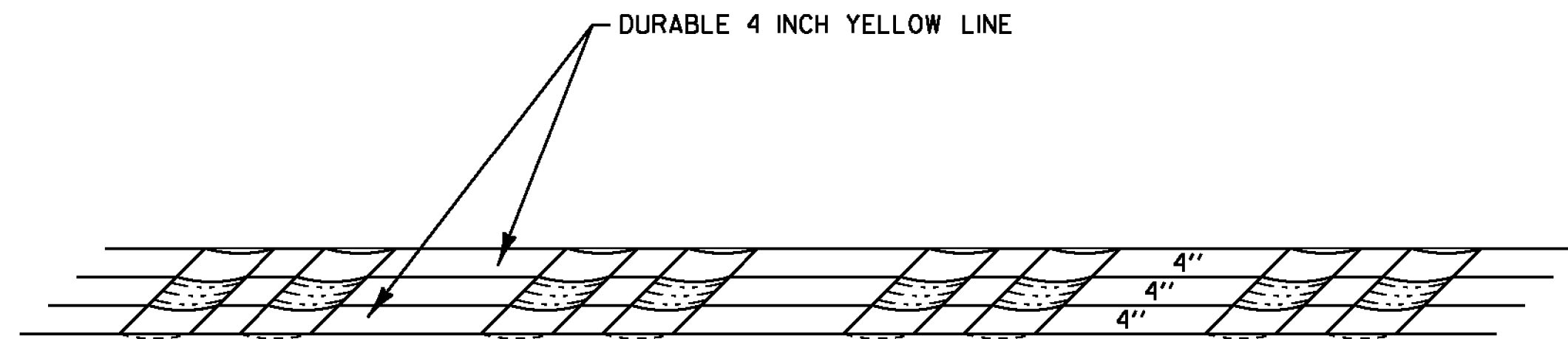
 EXISTING BRIDGE JOINTS TO BE REPAIRED WITH ASPHALTIC PLUG JOINT

**NOT TO SCALE**

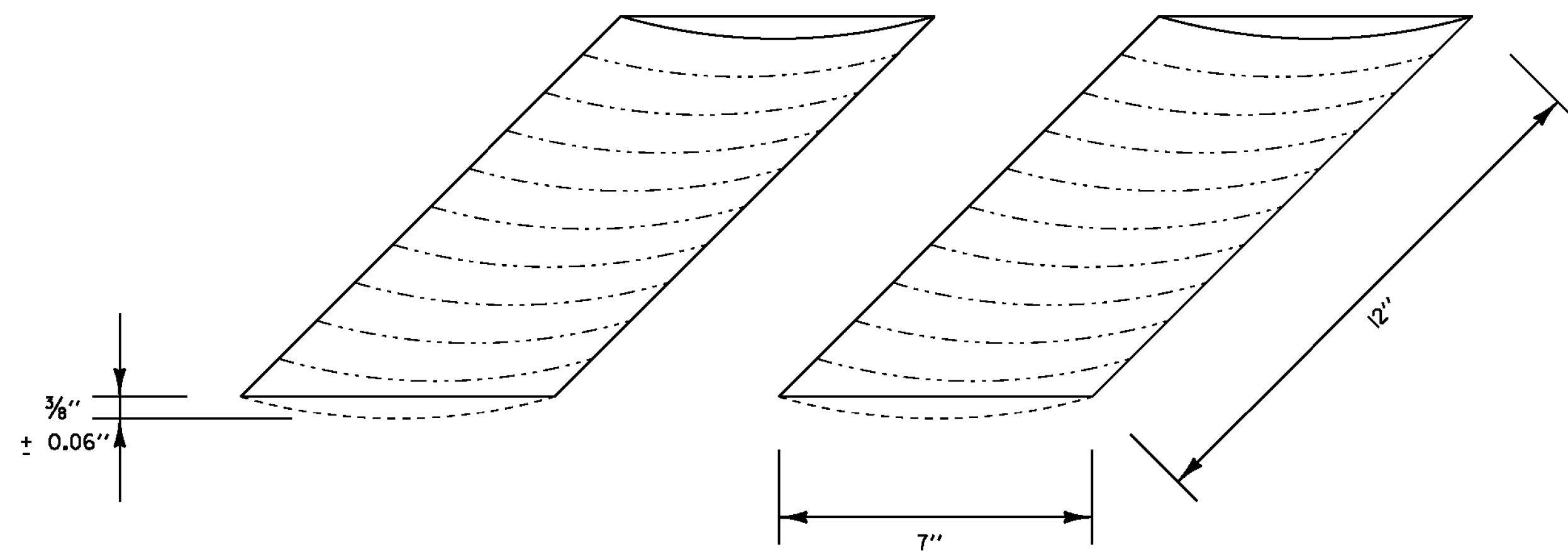
PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
BRIDGE DETAIL SHEET	SHEET 12 OF 16



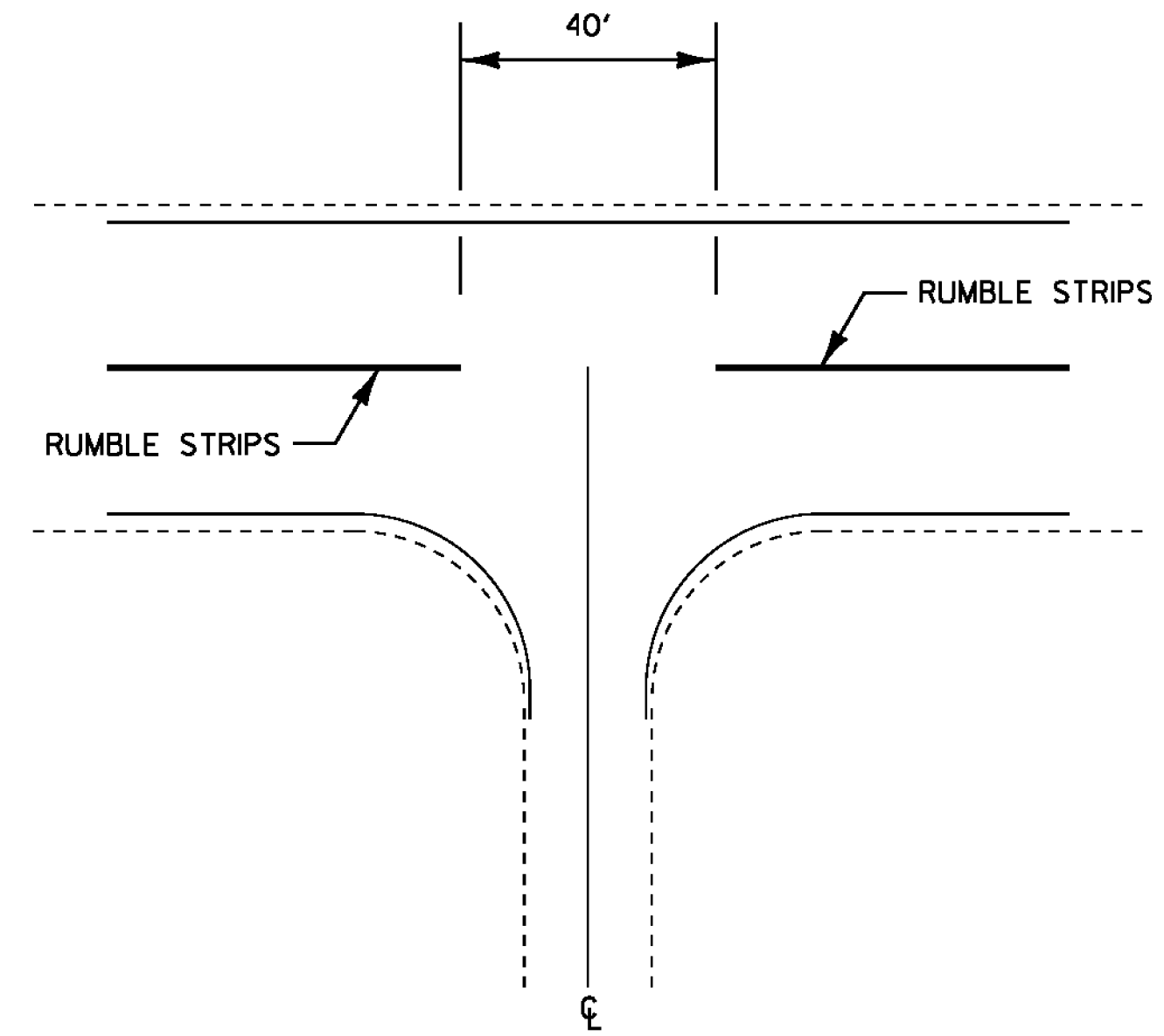
**RUMBLE STRIP LAYOUT**



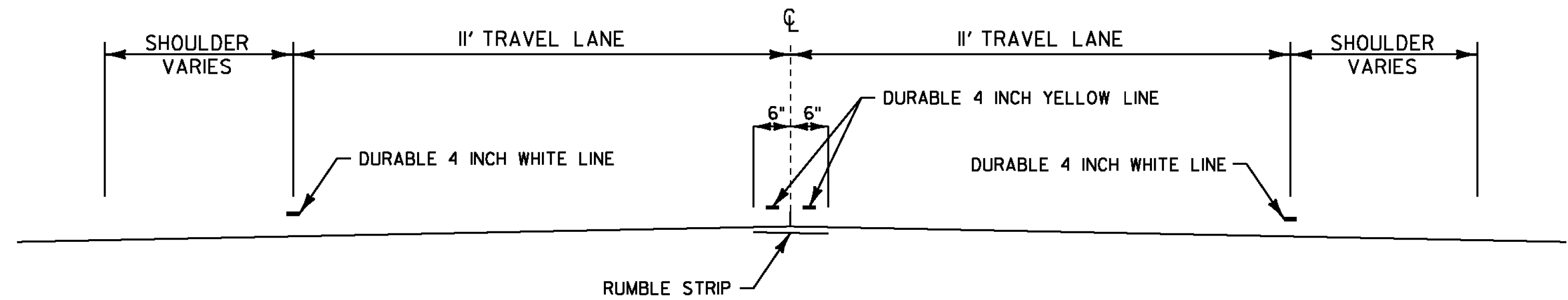
**PAVEMENT MARKINGS DETAIL**



**RUMBLE STRIP DETAIL**



**INTERSECTION DETAIL**



**RUMBLE STRIP TYPICAL SECTION**

~~MORGAN  
MM-7.727-11.090~~  
~~BRIGHTON  
MM-0.000-0.137~~  
ELIMINATED PER ORDER  
OF PROJECT MANAGER

**NOTES:**

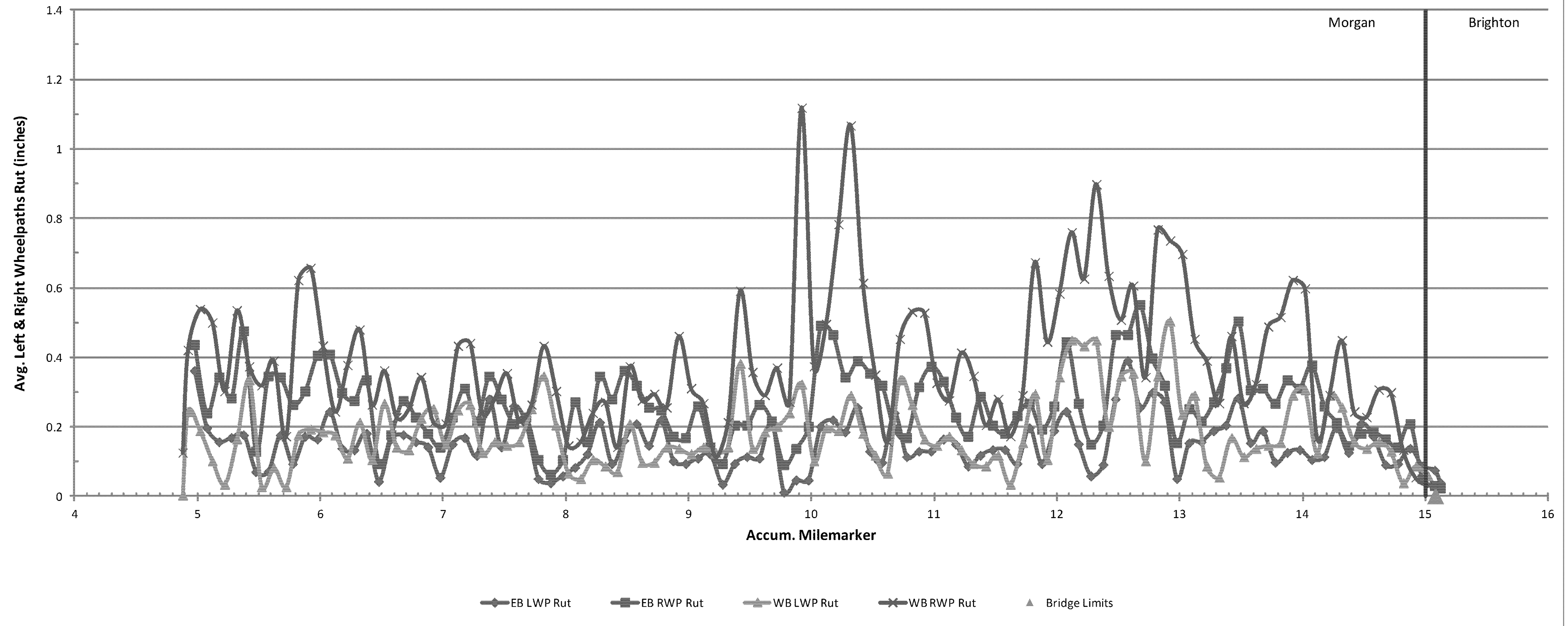
1. CENTERLINE RUMBLE STRIPS NOT TO EXTEND BEYOND CENTERLINE WHEN CENTERLINE IS A DOUBLE YELLOW LINE, WITH OR WITHOUT A PASSING ZONE.
2. CENTERLINE RUMBLE STRIP TO BE PLACED ALONG CENTERLINE OF ROADWAY.
3. CENTERLINE RUMBLE STRIP TO STOP 20 FEET PRIOR TO THE CENTERLINE OF AN INTERSECTION.
4. TWO APPLICATIONS OF FOG SEAL SURFACE TREATMENT SHALL BE APPLIED TO THE COMPLETED CENTERLINE RUMBLE STRIPS AT A RATE OF 0.15 GAL./SY. WITH A TOLERANCE OF +/- 0.05 GAL./SY. OR AS DIRECTED BY THE ENGINEER.

**NOT TO SCALE**

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: p13c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
CENTERLINE RUMBLE STRIP DETAIL SHEET	SHEET 13 OF 16

**RUTTING DATA INFORMATION**

**VT 111 Morgan-Brighton STP SURF(4I) Preconstruction Ruts**  
 Profiled 11/15/2013



◆ EB LWP Rut    ■ EB RWP Rut    ▲ WB LWP Rut    ✕ WB RWP Rut    ▲ Bridge Limits

**FOR INFORMATIONAL PURPOSES ONLY**

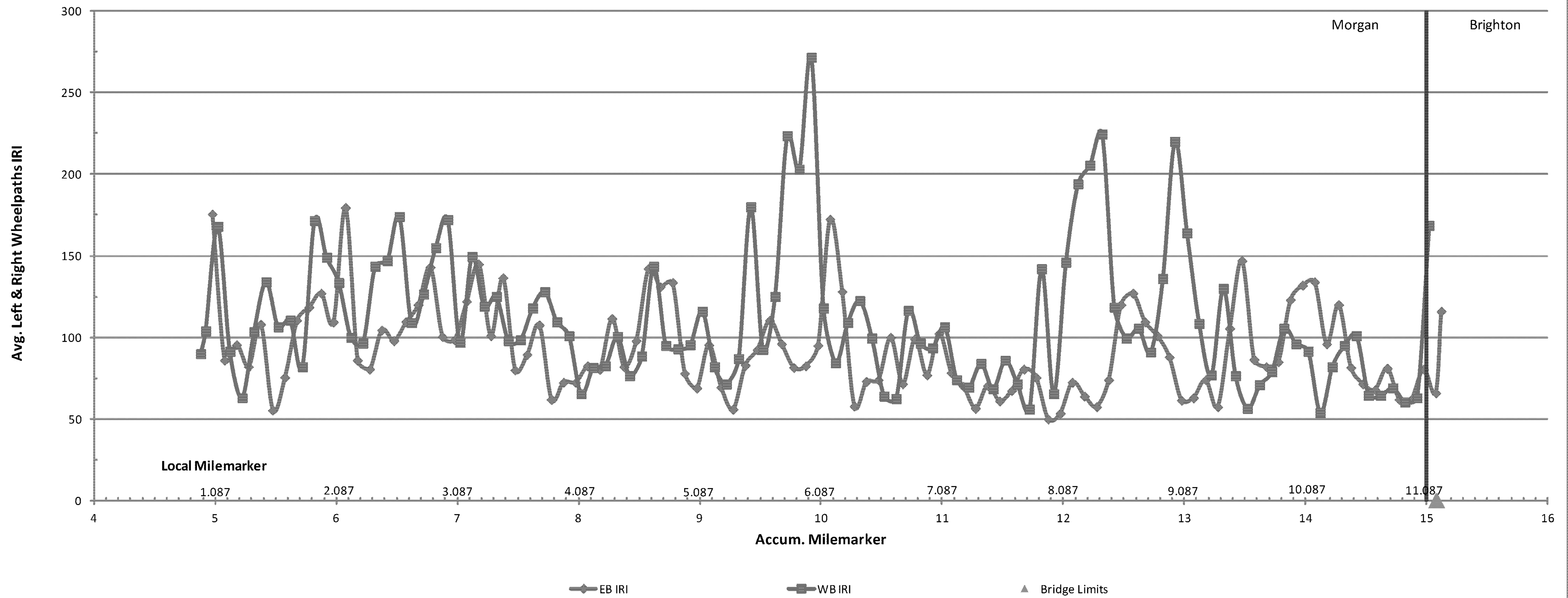
PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
RUTTING DATA INFORMATION SHEET	SHEET 14 OF 16

**ROUGHNESS DATA INFORMATION**

**VT 111 Morgan-Brighton STP SURF(4I) Preconstruction IRI**

Profiled 11/15/2013

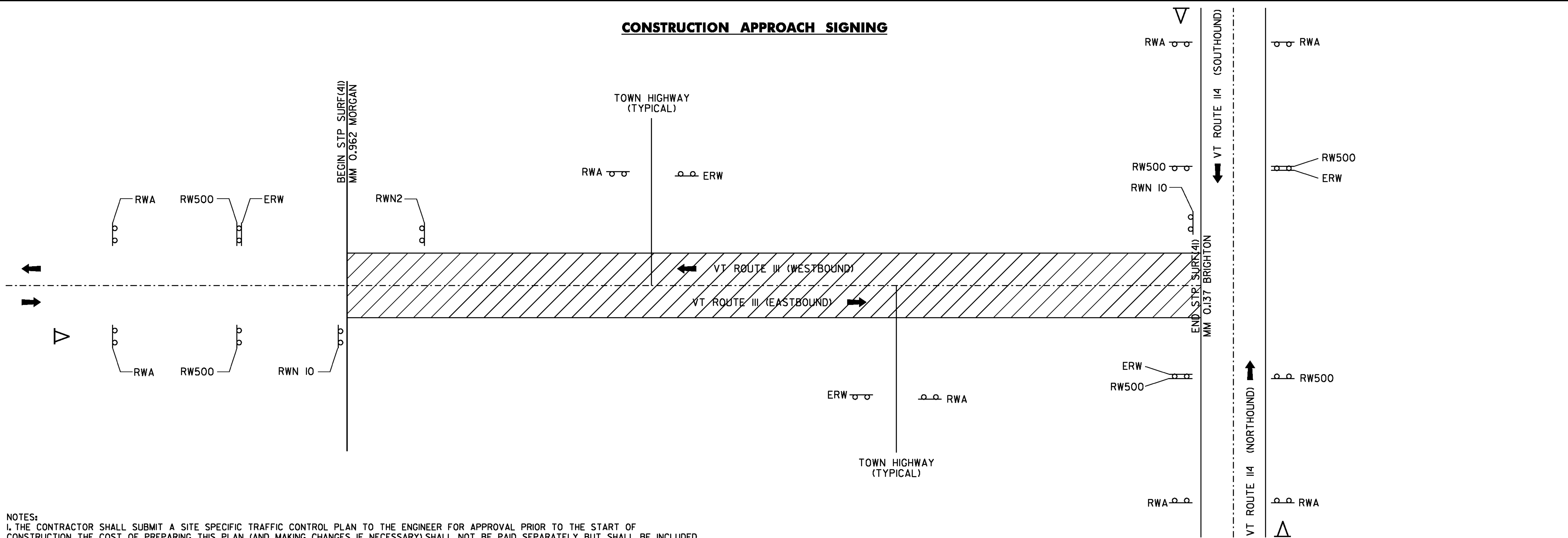
EB Avg. IRI = 93.3 WB Avg. IRI = 111.2



**FOR INFORMATIONAL PURPOSES ONLY**

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
FILE NAME: pl3c552_Morgan-Brighton.dgn	PLOT DATE: 14-MAY-2014
PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAVT MGMT
ROUGHNESS DATA INFORMATION SHEET	SHEET 15 OF 16

**CONSTRUCTION APPROACH SIGNING**



- NOTES:**
1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
  2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION APPROACH SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VAOT STANDARD T-17 AND THE LATEST EDITION OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.
  3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY: 630.10 - UNIFORMED TRAFFIC OFFICERS, AND 630.15 - FLAGGERS, 646.602 - TEMPORARY 4 INCH WHITE LINE, PAINT, 646.612 - TEMPORARY 4 INCH YELLOW LINE, PAINT, 646.682 - TEMPORARY 24 INCH STOP BAR, PAINT, 646.692 - TEMPORARY LETTER OR SYMBOL, PAINT AND 646.76 - LINE STRIPING TARGETS.
  4. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL POSITION A PCMS PRIOR TO THE BEGIN AND END PROJECT LIMITS WARNING MOTORISTS OF EXPECTED ROADWAY CONDITIONS AND REDUCED ROADWAY WIDTHS. PCMS SHALL NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY. THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS. THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHALL BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
  5. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
  6. REFER TO VT, STATE STANDARDS AND THE LATEST EDITION OF THE MUTCD FOR TEMPORARY TRAFFIC CONTROL SIGN COLORS.
  7. EXISTING SPEED LIMIT SIGNS SHALL BE COVERED WHEN REDUCED SPEED SIGNS ARE POSTED. KEEP RECORDS WHEN POSTING THE WORK ZONE SPEED LIMIT FOR LEGAL PURPOSES; DOCUMENTING DATES, TIMES, AND LOCATIONS OF SIGNS. WHEN WORK ZONE SPEED LIMIT IS NOT IN USE ALL ASSOCIATED SIGNS SHALL BE COVERED, TURNED AND/OR LAID FLAT SO AS THE MOTORING PUBLIC CANNOT READ THESE SIGNS.
  8. PORTABLE OR STATIONARY WORK ZONE SPEED LIMIT SIGNS SHOULD BE SPACED EVERY 1.5 TO 2 MILES WHERE APPLICABLE AND AFTER INTERSECTIONS AS A REMINDER TO THE MOTORIST TRAVELING THROUGH THE WORK ZONE WHAT SPEED THEY SHOULD BE TRAVELING.
  9. WHEN REDUCED REGULATORY SPEED LIMIT SIGNS ARE USED, THE RESUMPTION OF THE USUAL SPEED LIMIT SHALL BE INDICATED BY AN APPROPRIATE SPEED LIMIT SIGN AT THE END OF THE WORK ZONE.
  10. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MUTCD, PART 6.

11. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
12. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHOULD BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICT WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
13. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.
14. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
15. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
16. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. PAYMENT FOR DEVELOPING, IMPLEMENTING, AND MAINTAINING THE TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10, TRAFFIC CONTROL.

- LEGEND**
- RWA = ROAD WORK AHEAD
  - RW500 = ROAD WORK IN 500 FEET
  - RWN = ROAD WORK NEXT (XX MILES)
  - ERW = END ROAD WORK
  - △ = PORTABLE CHANGEABLE MESSAGE SIGN
  - ▨ = WORK AREA
  - ← = DIRECTION OF TRAFFIC FLOW

PROJECT NAME:	MORGAN - BRIGHTON
PROJECT NUMBER:	STP SURF(4I)
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PROJECT LEADER: J. HARRINGTON	DRAWN BY: N. PAPPAS
DESIGNED BY: N. PAPPAS	CHECKED BY: PAYT MGMT
CONSTRUCTION APPROACH SIGNING SHEET	SHEET 16 OF 16

**NOT TO SCALE**