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STRUCTURES DETAIL SHEET

SD-516.10 BRIDGE JOINT ASPHALTIC PLUG

RECORD PLANS

CONTRACTOR: GORMAN GROUP, LLC - ALBANY, NY
 RESIDENT ENGINEER: PAUL PERRY
 CONSTRUCTION BEGAN: JUNE 3, 2013
 CONSTRUCTION COMPLETE: OCTOBER 17, 2013
 RECORD PLANS BY: PAUL PERRY & JENNA HYDE

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY *Paul K. Perry* RESIDENT ENGINEER
 DATE 3/18/14

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.

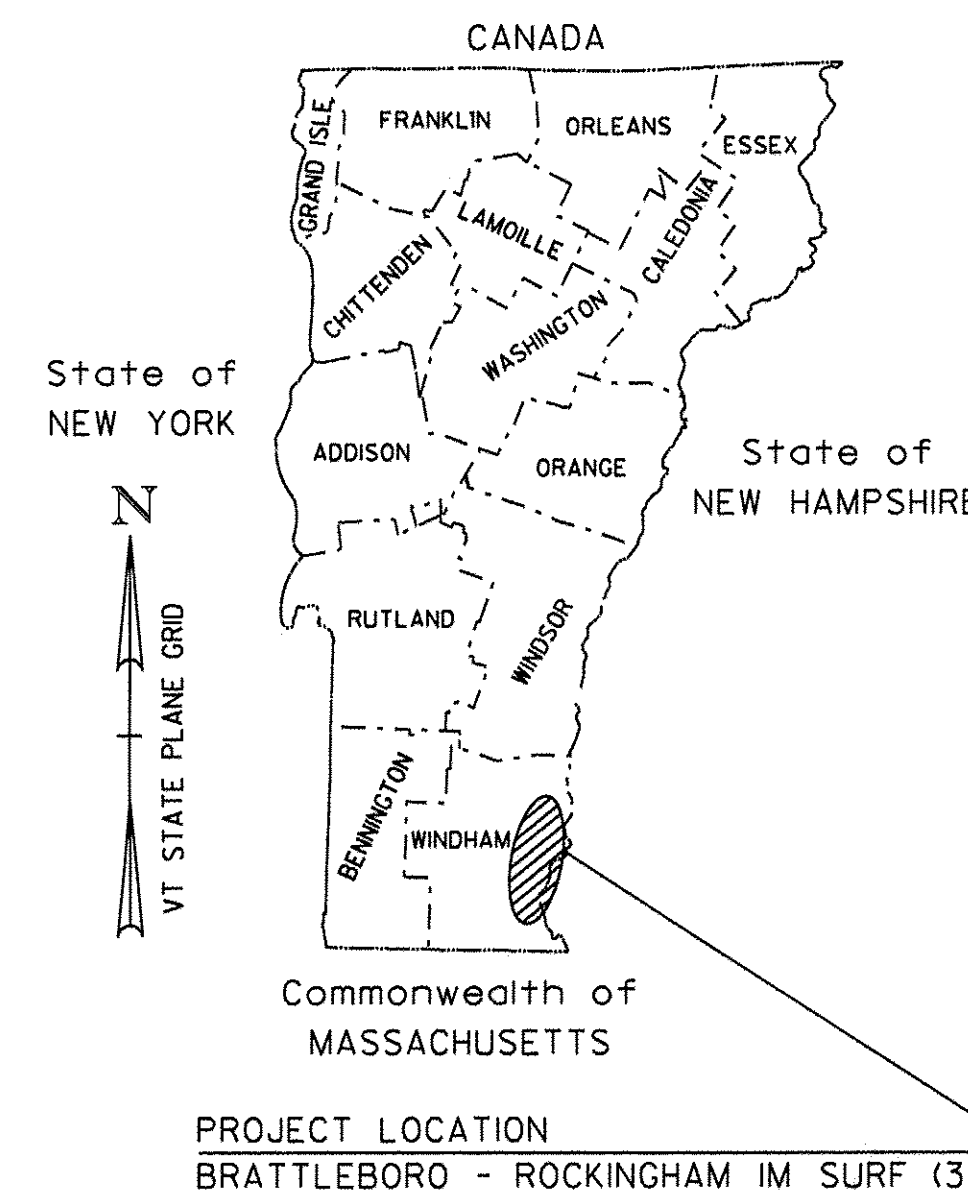
VAOT STANDARDS

| | |
|--------|----------|
| E-100 | 01/02/04 |
| E-101 | 05/30/03 |
| E-102 | 06/30/03 |
| E-102A | 05/01/04 |
| E-103 | 03/01/04 |
| E-105 | 05/01/04 |
| E-106 | 03/01/04 |
| E-107A | 06/08/09 |
| E-108A | 06/08/09 |
| E-191 | 02/01/99 |
| E-192 | 10/12/00 |
| E-193 | 08/18/95 |

STATE OF VERMONT
 AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
 TOWNS OF BRATTLEBORO, DUMMERSTON, PUTNEY,
 WESTMINSTER & ROCKINGHAM
 COUNTY OF WINDHAM
 INTERSTATE ROUTE 91 (NHS)



IM SURF (37) NORTHBOUND:
 BEGINNING IN THE TOWN OF BRATTLEBORO AT MILE MARKER 11.940 AND EXTENDING NORTHERLY ALONG INTERSTATE ROUTE 91 (NORTHBOUND LANE) FOR A DISTANCE OF 95,330.40 FT (18.055 MILES) TO MILE MARKER 29.995 IN THE TOWN OF WESTMINSTER.

LENGTH OF ROADWAY = 95,330.40 FT = (18.055 MILES)

IM SURF (37) SOUTHBOUND:
 BEGINNING IN THE TOWN OF BRATTLEBORO AT MILE MARKER 11.920 AND EXTENDING NORTHERLY ALONG INTERSTATE ROUTE 91 (SOUTHBOUND LANE) FOR A DISTANCE OF 125,067.36 FT (23.687 MILES) TO MILE MARKER 35.607 IN THE TOWN OF ROCKINGHAM.

LENGTH OF ROADWAY = 125,067.36 FT = (23.687 MILES)

LENGTH OF PROJECT = 125,067.36 FT = (23.687 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, OVERLAYING WITH A THIN BITUMINOUS CONCRETE WEARING SURFACE ON THE EXISTING INTERSTATE TYPICAL, AND APPLICABLE PAVEMENT MARKINGS.

TRAFFIC DATA

| I-91 NB | 2013 AADT | 2023 AADT | 2013 DHV | 2023 DHV | FLEXIBLE ESALS (2013-2023) | FLEXIBLE ESALS (2013-2033) |
|------------------------------|-----------|-----------|----------|----------|----------------------------|----------------------------|
| BEGIN PROJECT TO I-91 EXIT 4 | 7,700 | 8,500 | 1,200 | 1,400 | 4,072,000 | 10,595,000 |
| EXIT 4 TO EXIT 5 | 6,300 | 7,000 | 1,000 | 1,100 | 2,811,000 | 6,763,000 |
| EXIT 5 TO END PROJECT | 6,400 | 7,100 | 1,000 | 1,200 | 3,966,000 | 9,358,000 |

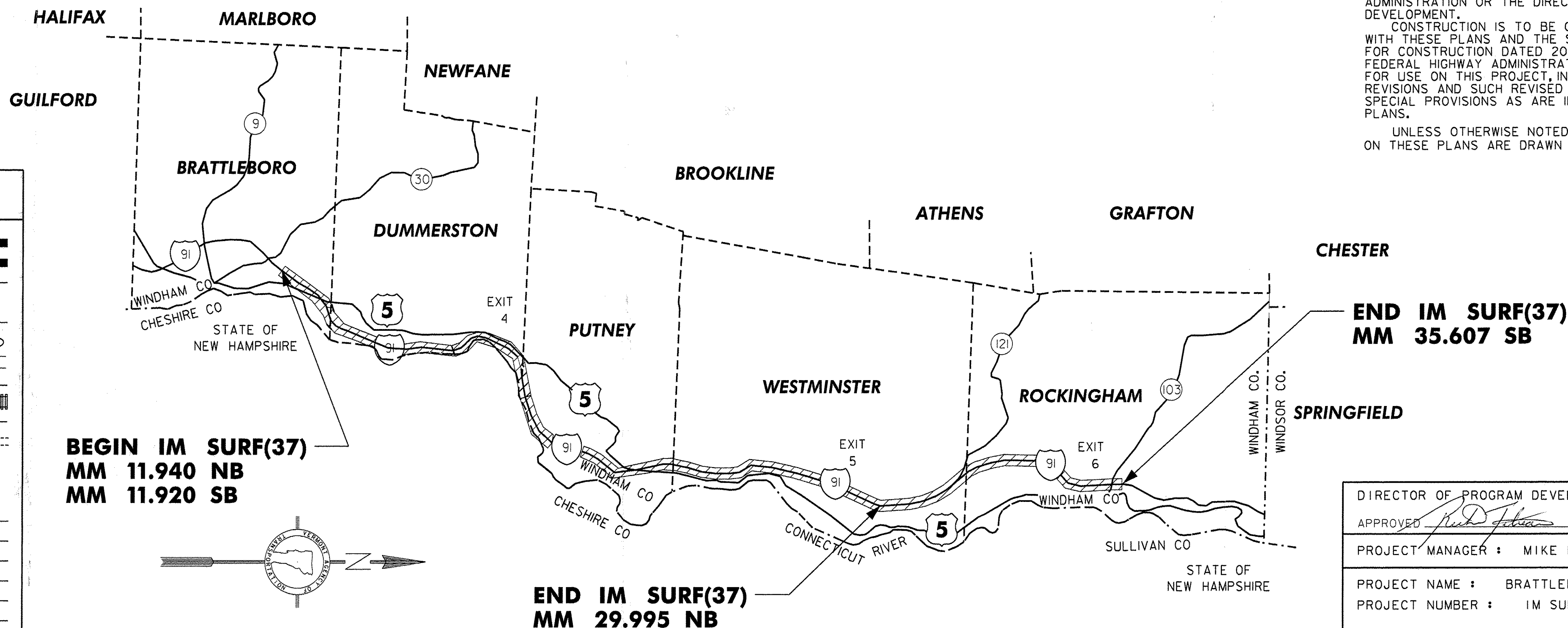
| I-91 SB | 2013 AADT | 2023 AADT | 2013 DHV | 2023 DHV | FLEXIBLE ESALS (2013-2023) | FLEXIBLE ESALS (2013-2033) |
|------------------------------|-----------|-----------|----------|----------|----------------------------|----------------------------|
| BEGIN PROJECT TO I-91 EXIT 4 | 7,700 | 8,500 | 1,600 | 1,800 | 4,057,000 | 10,463,000 |
| EXIT 4 TO EXIT 5 | 6,300 | 7,000 | 1,300 | 1,500 | 2,974,000 | 7,164,000 |
| EXIT 5 TO END PROJECT | 6,400 | 7,100 | 1,300 | 1,500 | 4,751,000 | 11,257,000 |

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 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.
 UNLESS OTHERWISE NOTED THE DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN NOT TO SCALE.

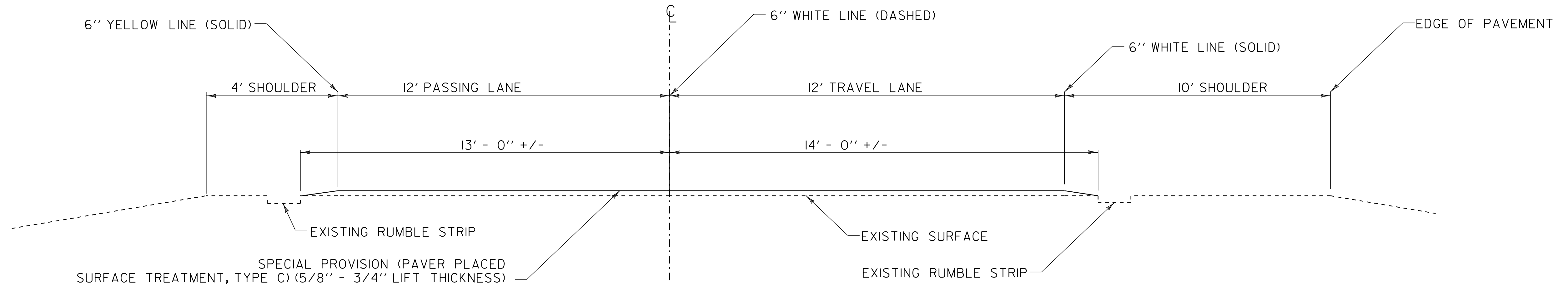
QUALITY ASSURANCE PROGRAM LEVEL I

CONVENTIONAL SYMBOLS

| | |
|--------------------|--|
| COUNTY LINE | |
| TOWN LINE | |
| LIMITS OF ACCESS | |
| POINT OF ACCESS | |
| FENCE LINE | |
| 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 | |

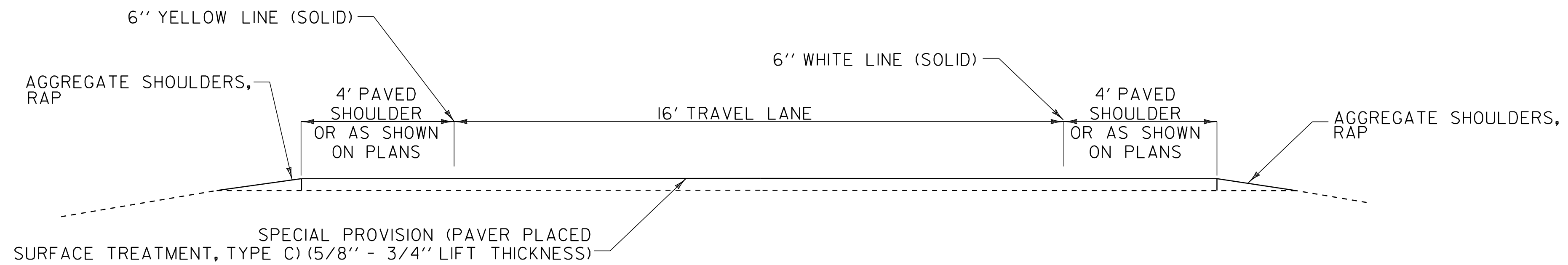


DIRECTOR OF PROGRAM DEVELOPMENT
 APPROVED: *Paul Perry* DATE 3-27-13
 PROJECT MANAGER: MIKE FOWLER, P.E.
 PROJECT NAME: BRATTLEBORO - ROCKINGHAM
 PROJECT NUMBER: IM SURF (37)
 SHEET 1 OF 36 SHEETS



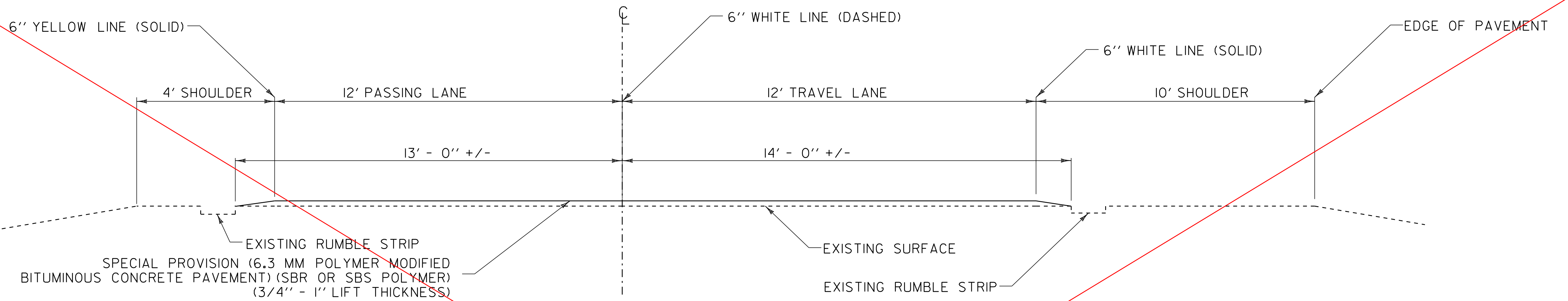
ROADWAY PROJECT TYPICAL SECTION - ALTERNATE A
I-91 NORTHBOUND BRATTLEBORO M.M. 11.940 - WESTMINSTER M.M. 29.995
I-91 SOUTHBOUND BRATTLEBORO M.M. 11.920 - ROCKINGHAM M.M. 35.607

NOT TO SCALE



TYPICAL RAMP SECTION
ALTERNATE A
 NOT TO SCALE

| | | |
|--------------------------------------|--|------------------------------|
| TYPICAL SECTION - ALTERNATE A | PROJECT NAME: BRATTLEBORO - ROCKINGHAM | |
| | PROJECT NUMBER: IM SURF (37) | |
| | FILE NAME: I2a398\pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:15 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE | |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398+typl.i | SHEET 2 OF 36 | |

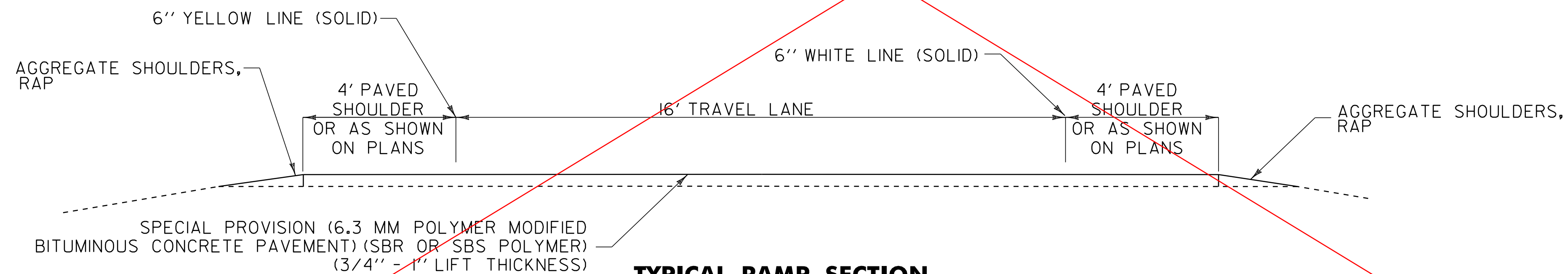


ROADWAY PROJECT TYPICAL SECTION - ALTERNATE B

I-91 NORTHBOUND BRATTLEBORO M.M. 11.940 - WESTMINSTER M.M. 29.995
I-91 SOUTHBOUND BRATTLEBORO M.M. 11.920 - ROCKINGHAM M.M. 35.607

NOT TO SCALE

ALTERNATE B
NOT USED



TYPICAL RAMP SECTION

ALTERNATE B

NOT TO SCALE

NOTES:

1. PRIOR TO THE PLACEMENT OF THE 6.3 MM POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT, EMULSIFIED ASPHALT SHALL BE APPLIED TO ALL EXISTING PAVEMENT SURFACES AND ON ALL COLD PLANED SURFACES 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).

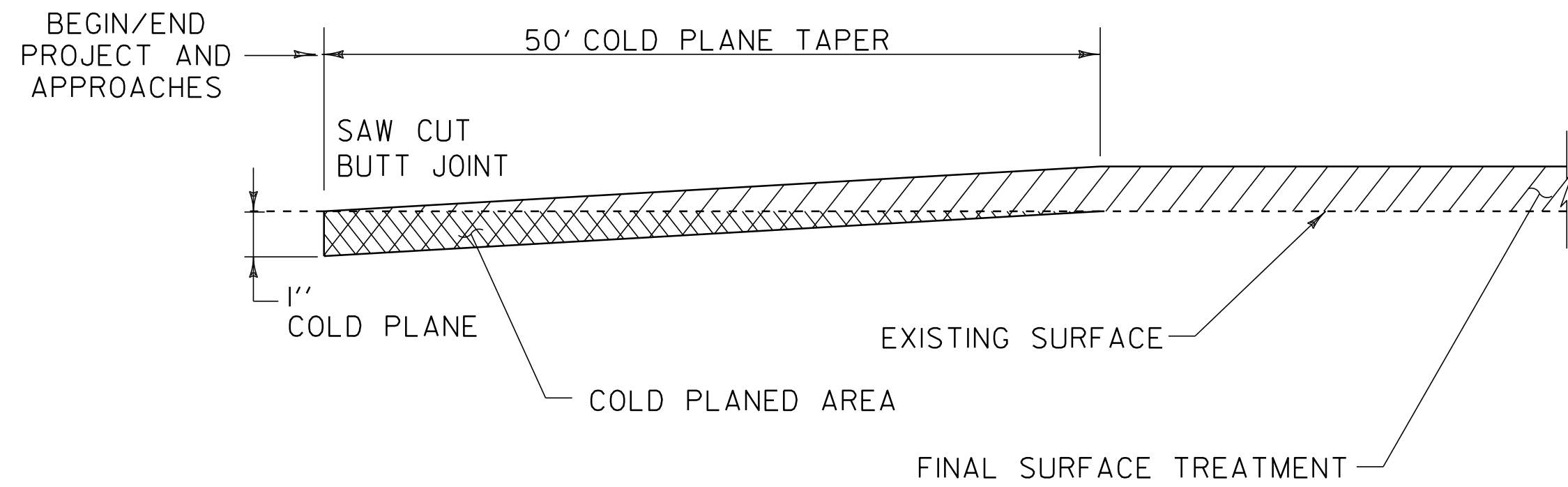
2. THE GYRATION SPECIFICATION FOR THE 6.3 MM POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT SHALL BE 65.

TYPICAL SECTION - ALTERNATE B

PROJECT NAME: BRATTLEBORO - ROCKINGHAM
PROJECT NUMBER: IM SURF (37)

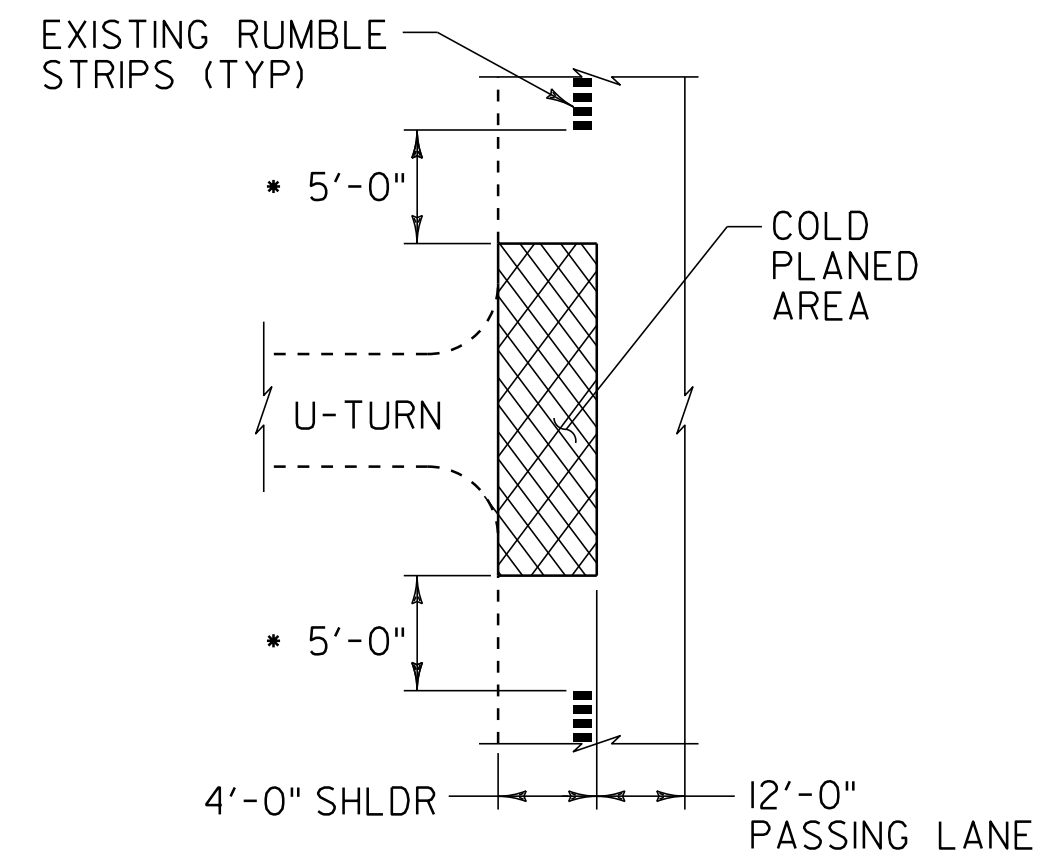
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PROJECT LEADER: M. FOWLER
DESIGNED BY: LOCKE
IPARM FILE NAME: pl2a398+yp2.i

PLOT DATE: 27-MAR-2014 13:15
DRAWN BY: LOCKE
CHECKED BY: HARRINGTON
SHEET 3 OF 36



TYPICAL APPROACH AREA DETAIL MAINLINE & RAMPS

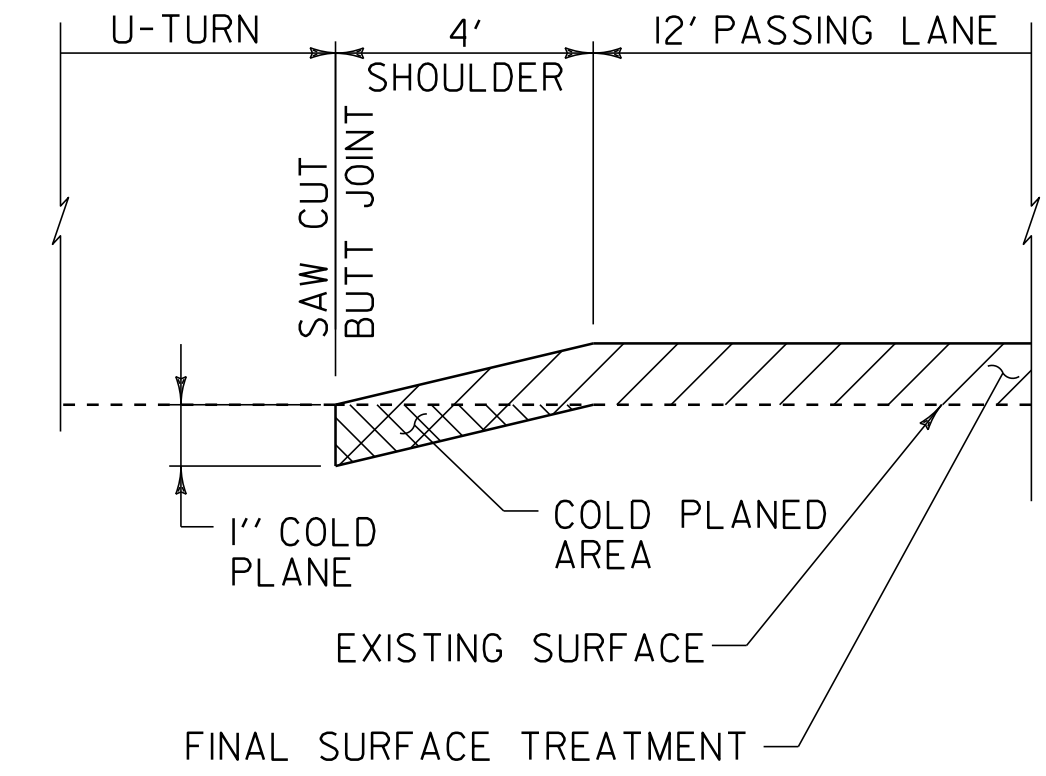
NOT TO SCALE



- * BEGIN COLD PLANING 5'-0" AFTER RUMBLE STRIPS END, AND END COLD PLANING 5'-0" BEFORE RUMBLE STRIPS BEGIN

COLD PLANE DETAIL AT U-TURNS

NOT TO SCALE



NOTES:

1. ALL NECESSARY SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, AND CRACK-SEALING SHALL BE PERFORMED PRIOR TO APPLICATION OF THE FINAL SURFACE TREATMENT. ALL CRACKS GREATER THAN 0.10" AND UP TO 1.0" IN WIDTH SHALL BE SEALED USING THE "BLOW AND GO" FILL METHOD. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE PAID FOR UNDER ITEM 417.20, BITUMINOUS CRACK SEALING, "BLOW AND GO" METHOD. THE PATCHING OF ALL CRACKS GREATER THAN 1.0" AND ALL OTHER PATCHING AND POT HOLE REPAIR SHALL BE COMPLETED USING BITUMINOUS CONCRETE PAVEMENT IN ACCORDANCE WITH ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1). AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN INCLUDED TO COVER ALL COSTS ASSOCIATED WITH THIS WORK.

2. EXISTING SHOULDER PAVEMENT SURFACES BEYOND THE LIMITS OF THE FINAL SURFACE TREATMENT SHALL ALSO RECEIVE CRACK-SEALING AND RELATED PATCHING AND POT HOLE REPAIR TREATMENTS.

3. FOLLOWING COMPLETION OF COLD PLANING, THE MILLED SURFACE FOR ALL BRIDGES SHALL ALSO RECEIVE CRACK-SEALING AND RELATED PATCHING AND POT HOLE REPAIR TREATMENTS, AS DIRECTED BY THE ENGINEER.

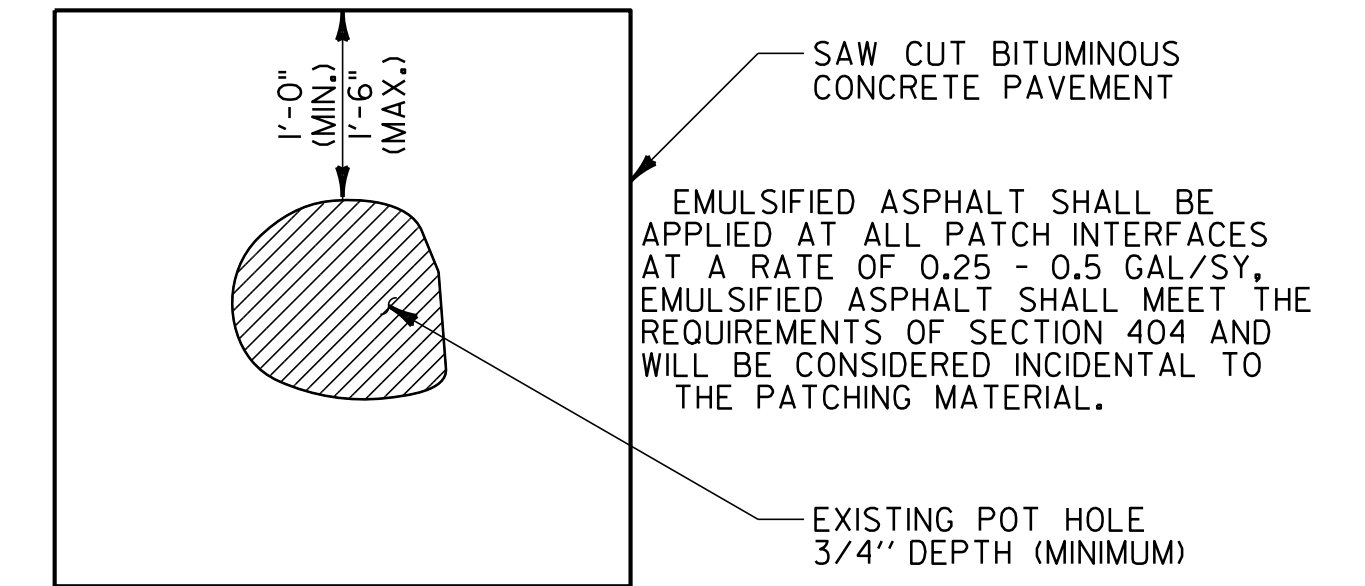
4. ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO ANY CRACK SEALING BEING PERFORMED AND PRIOR TO APPLYING THE FINAL SURFACE TREATMENT. ALL LANE DELINEATION IS TO BE MAINTAINED DURING CONSTRUCTION BY THE USE OF LINE STRIPING TARGETS OR TEMPORARY PAINT.

5. A 50' COLD PLANED WEDGE SHALL BE CONSTRUCTED AT THE PROJECT BEGIN, PROJECT END, RAMPS, AND AT ALL BRIDGE APPROACHES OR AS DIRECTED BY THE ENGINEER. THE LONGITUDINAL EDGES OF THE SURFACE TREATMENT SHALL BE FEATHERED AS SHOWN ON THE TYPICAL SECTION, OR AS DIRECTED BY THE ENGINEER. ANY SAWCUTTING AT BUTT JOINTS SHALL BE PAID INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT.

6. IF IT IS DETERMINED BY THE ENGINEER IN AREAS ALONG THE BASE OF THE GUARDRAIL THAT WINTER SAND AND OTHER DEBRIS HAS ACCUMULATED SUFFICIENTLY TO AFFECT PROPER CRACK-SEALING AND RELATED PATCHING AND POT HOLE REPAIR TREATMENTS, THIS MATERIAL SHALL BE REMOVED PRIOR TO CRACK-SEALING, PATCHING, AND POT HOLE REPAIR 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.

7. THERE ARE R.W.I.S. SENSORS IN THE PAVEMENT AT M.M. 23.800 SOUTHBOUND THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONTACT MARK GERRISH, FIBER OPTIC PROJECT MANAGER, VTRANS OPERATIONS DIVISION AT 802-828-2834 48 HOURS PRIOR TO BEGINNING ANY WORK IN THIS AREA SO THAT MARK, OR HIS REPRESENTATIVE, CAN REMOVE THESE SENSORS. INSTALLATION OF NEW SENSORS WILL BE PERFORMED BY OTHERS FOLLOWING COMPLETION OF THE PROJECT.

8. THERE ARE WEIGH IN MOTION SENSORS IN THE PAVEMENT AT M.M. 22.800 NORTHBOUND AND SOUTHBOUND THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES. INSTALLATION OF NEW SENSORS WILL BE PERFORMED BY OTHERS FOLLOWING COMPLETION OF THE PROJECT.



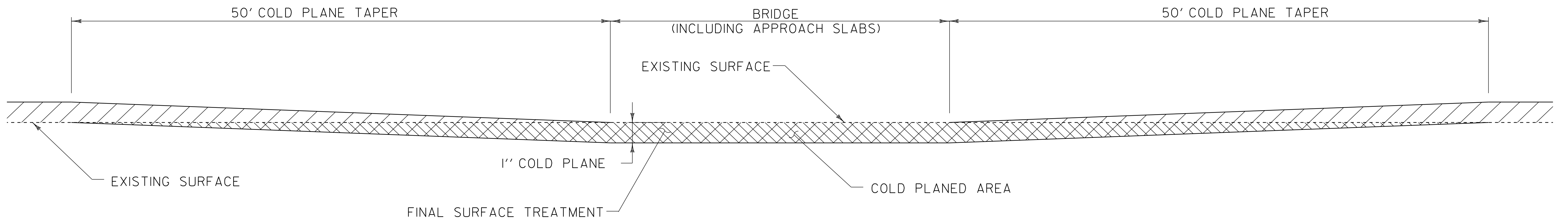
TYPICAL POT HOLE REPAIR

NOT TO SCALE

**NOTES & DETAILS
COMMON TO
BOTH
ALTERNATES**

PROJECT NAME: BRATTLEBORO - ROCKINGHAM
PROJECT NUMBER: IM SURF (37)

FILE NAME: I2a398\pi2a398.dgn PLOT DATE: 27-MAR-2014 13:15
PROJECT LEADER: M. FOWLER DRAWN BY: LOCKE
DESIGNED BY: LOCKE CHECKED BY: HARRINGTON
IPARM FILE NAME: pi2a398+yp3.i SHEET 4 OF 36



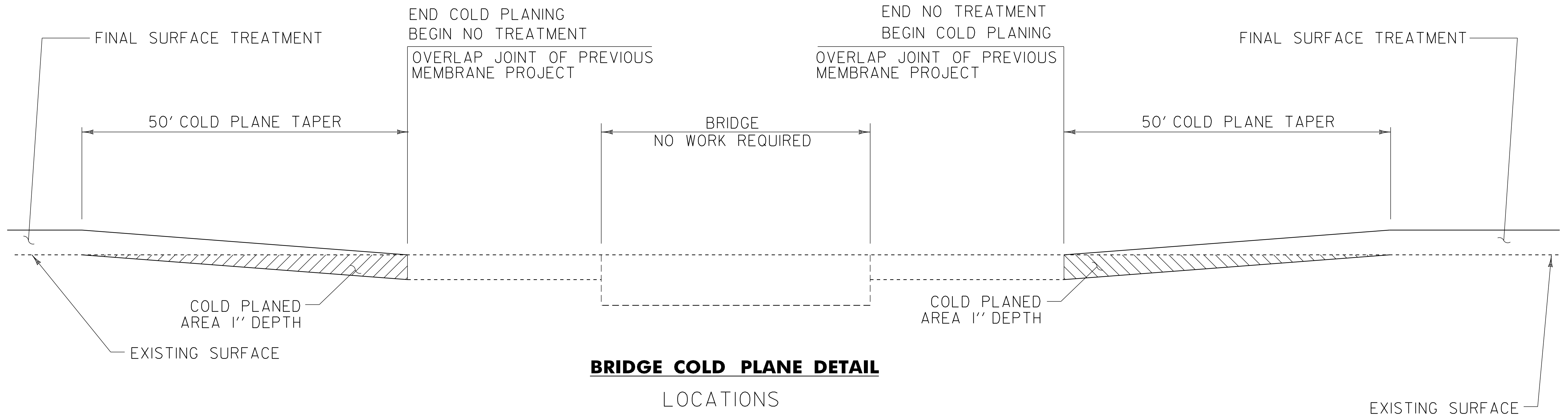
BRIDGE COLD PLANE DETAIL

LOCATIONS

- BRIDGE 19 N M.M. 26.824 *
- BRIDGE 20 N M.M. 28.608
- BRIDGE 20 S M.M. 28.608**
- BRIDGE 21 S M.M. 31.039
- BRIDGE 22 S M.M. 33.660
- BRIDGE 23 S M.M. 35.204
- BRIDGE 24 S M.M. 35.495**

* BRIDGE 19 IS A BRIDGE THAT PASSES OVER BOTH BARRELS OF I-91 AT M.M. 26.824. CURRENTLY THE CLEARANCE HEIGHT IN THE NORTHBOUND BARREL IS 16'-1/2". A 16' MINIMUM CLEARANCE IS REQUIRED SO TO MAINTAIN THE CURRENT CLEARANCE THE CONTRACTOR SHALL TRANSITION THE COLD PLANER UNDER THE BRIDGE AT A DEPTH OF 1".

** 12" PLUG JOINTS INSTALLED @ EACH SIDE OF EXPANSION JOINTS.



BRIDGE COLD PLANE DETAIL

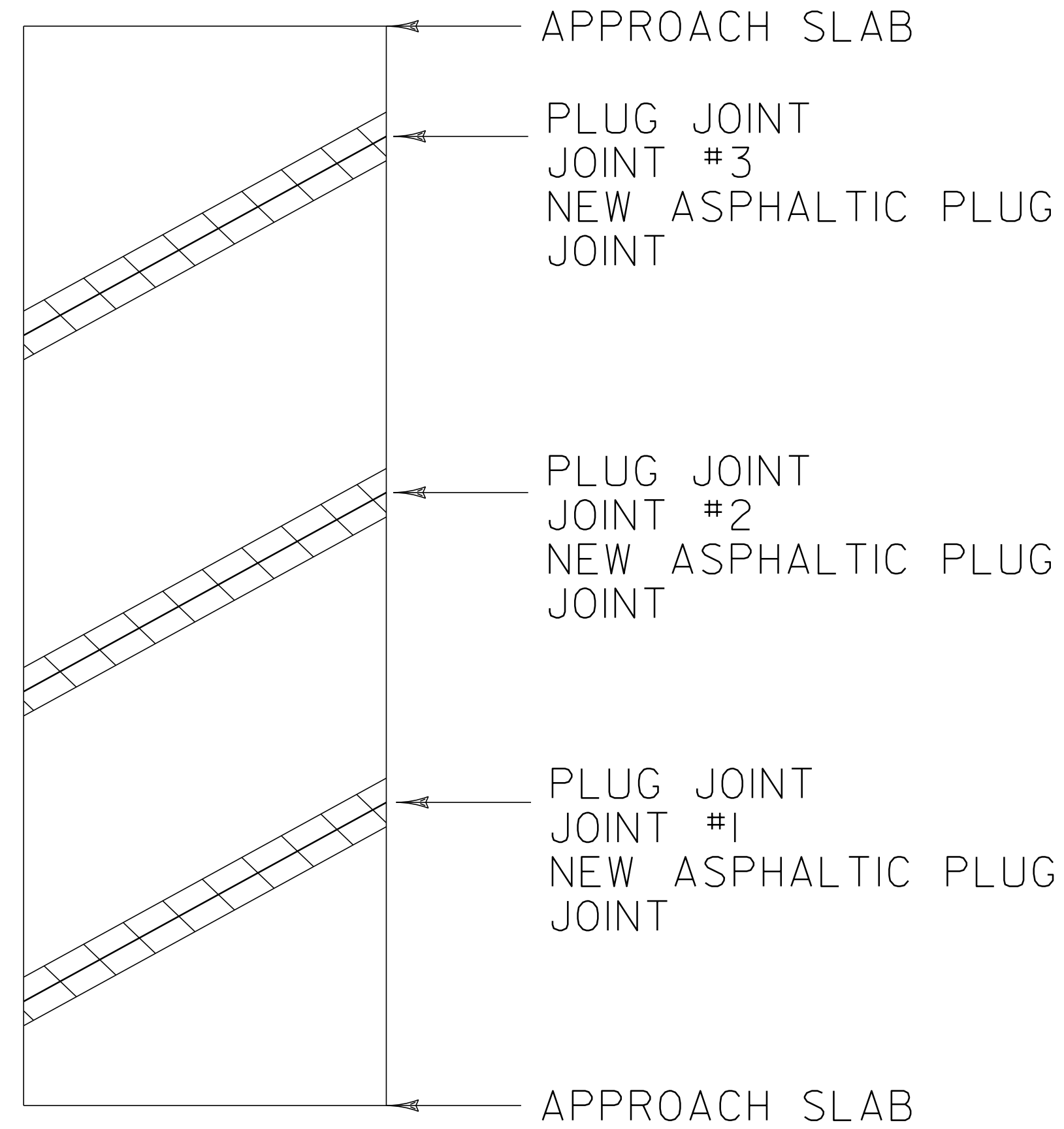
LOCATIONS

- BRIDGE 14 N M.M. 18.464
- BRIDGE 14 S M.M. 18.464
- BRIDGE 15 N M.M. 19.689
- BRIDGE 15 S M.M. 19.689
- BRIDGE 16 N M.M. 21.300
- BRIDGE 16 S M.M. 21.300
- BRIDGE 18 N M.M. 25.621
- BRIDGE 18 S M.M. 25.621

**BRIDGE
DETAIL SHEET
1**

| | |
|--|------------------------------|
| PROJECT NAME: BRATTLEBORO - ROCKINGHAM | |
| PROJECT NUMBER: IM SURF (37) | |
| FILE NAME: I2a398\pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:15 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398bd1.i | SHEET 5 OF 36 |

↑
NORTHBOUND
DIRECTION OF TRAVEL



BRIDGE 20N

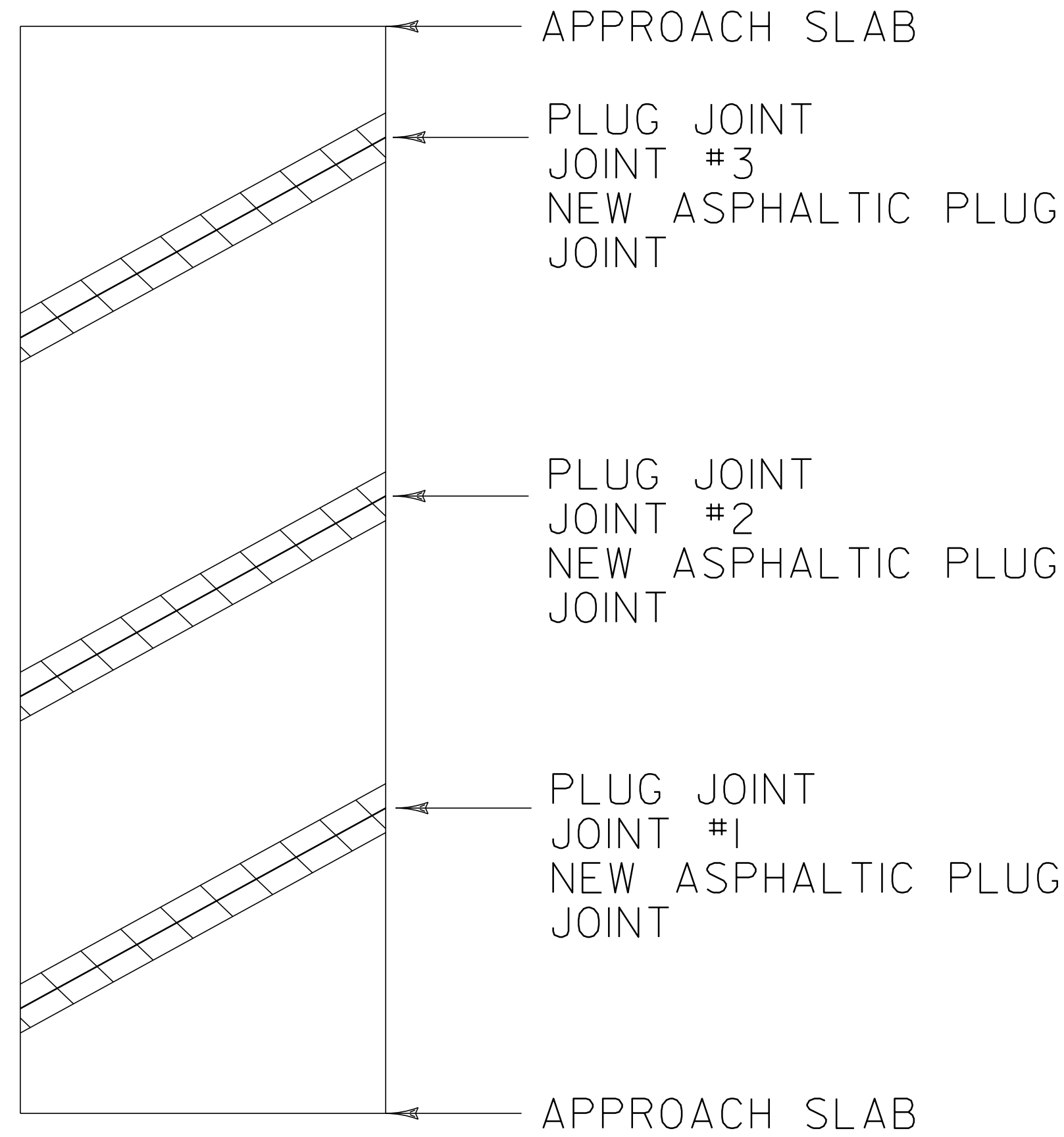
MM 28.608

LENGTH OF ASPHALTIC PLUG JOINTS:

- JOINT #1 - 45'
- JOINT #2 - 45'
- JOINT #3 - 45'

TOTAL = 135'

↑
SOUTHBOUND
DIRECTION OF TRAVEL



BRIDGE 20S

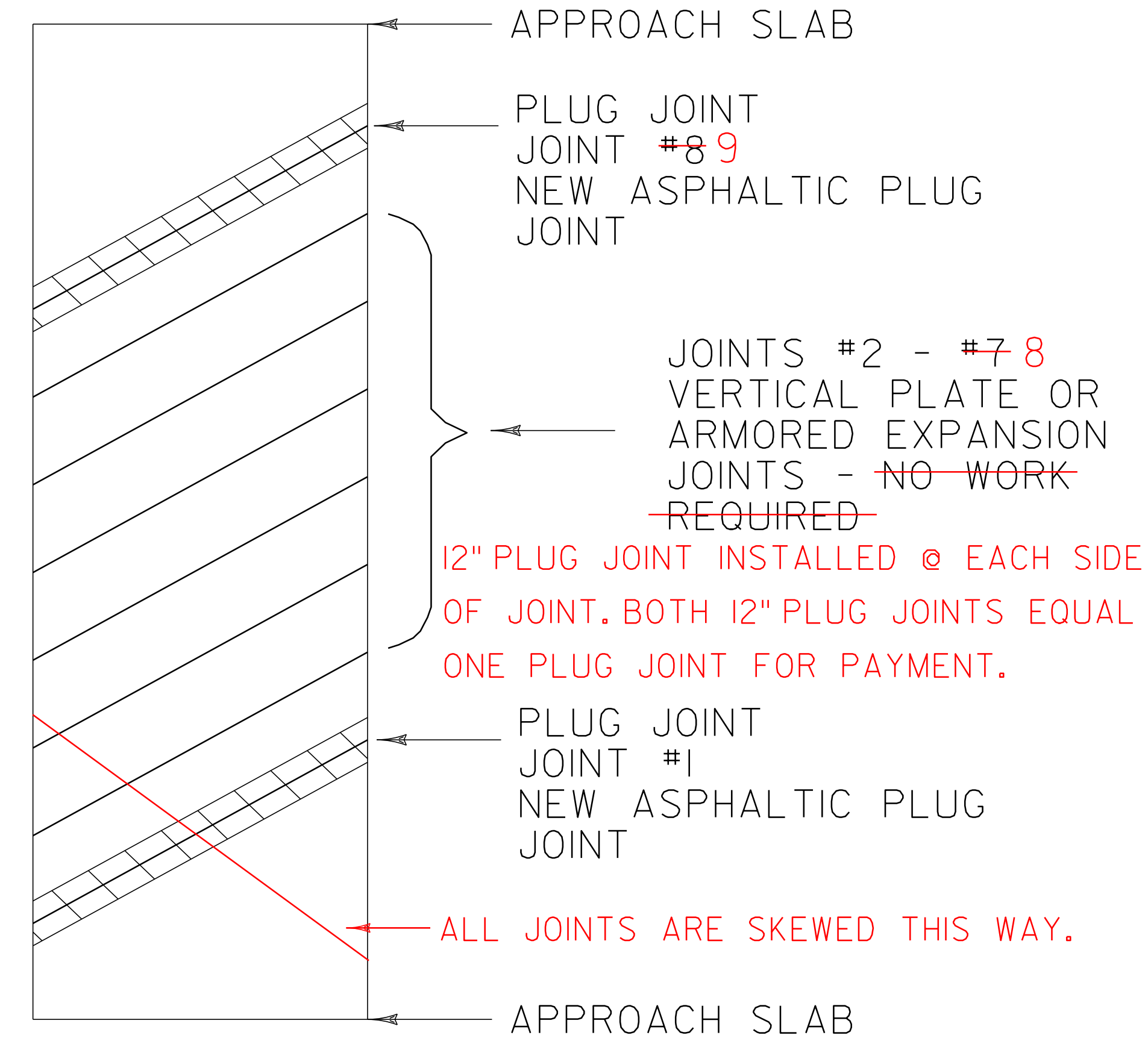
MM 28.608

LENGTH OF ASPHALTIC PLUG JOINTS:

- JOINT #1 - 45'
- JOINT #2 - 45'
- JOINT #3 - 45'

TOTAL = 135'

↑
SOUTHBOUND
DIRECTION OF TRAVEL



BRIDGE 21S

MM 31.039

LENGTH OF ASPHALTIC PLUG JOINTS:

- JOINT #1 - 45'
- JOINT #2 - 45'

TOTAL = 90'

LEGEND



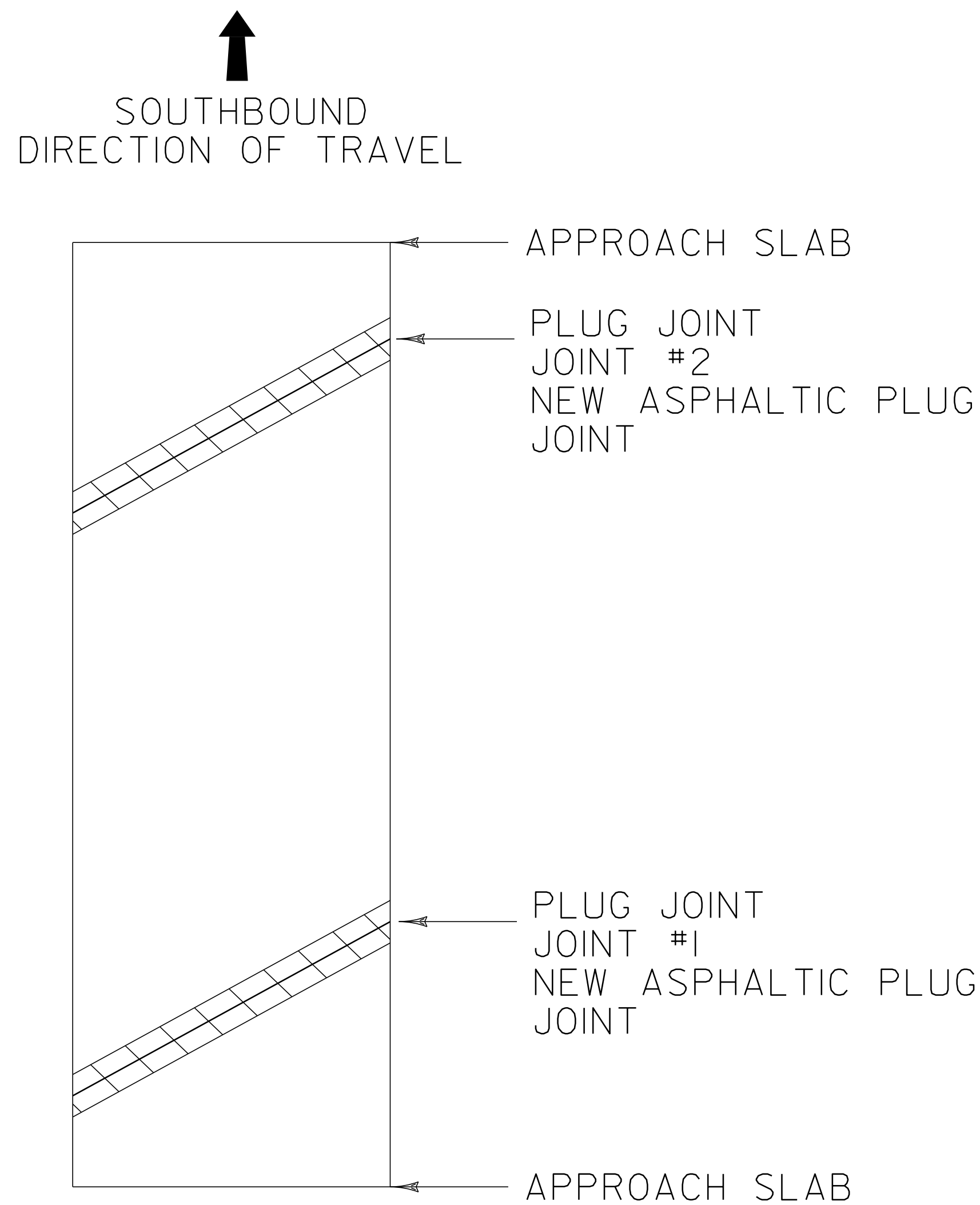
EXISTING BRIDGE JOINTS TO BE REPAIRED WITH ASPHALTIC PLUG JOINT

**BRIDGE
DETAIL SHEET
2**

PROJECT NAME: BRATTLEBORO - ROCKINGHAM
PROJECT NUMBER: IM SURF (37)

FILE NAME: I2a398\pi2a398.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: LOCKE
IPARM FILE NAME: pi2a398bd2.i

PLOT DATE: 27-MAR-2014 13:15
DRAWN BY: LOCKE
CHECKED BY: HARRINGTON
SHEET 6 OF 36



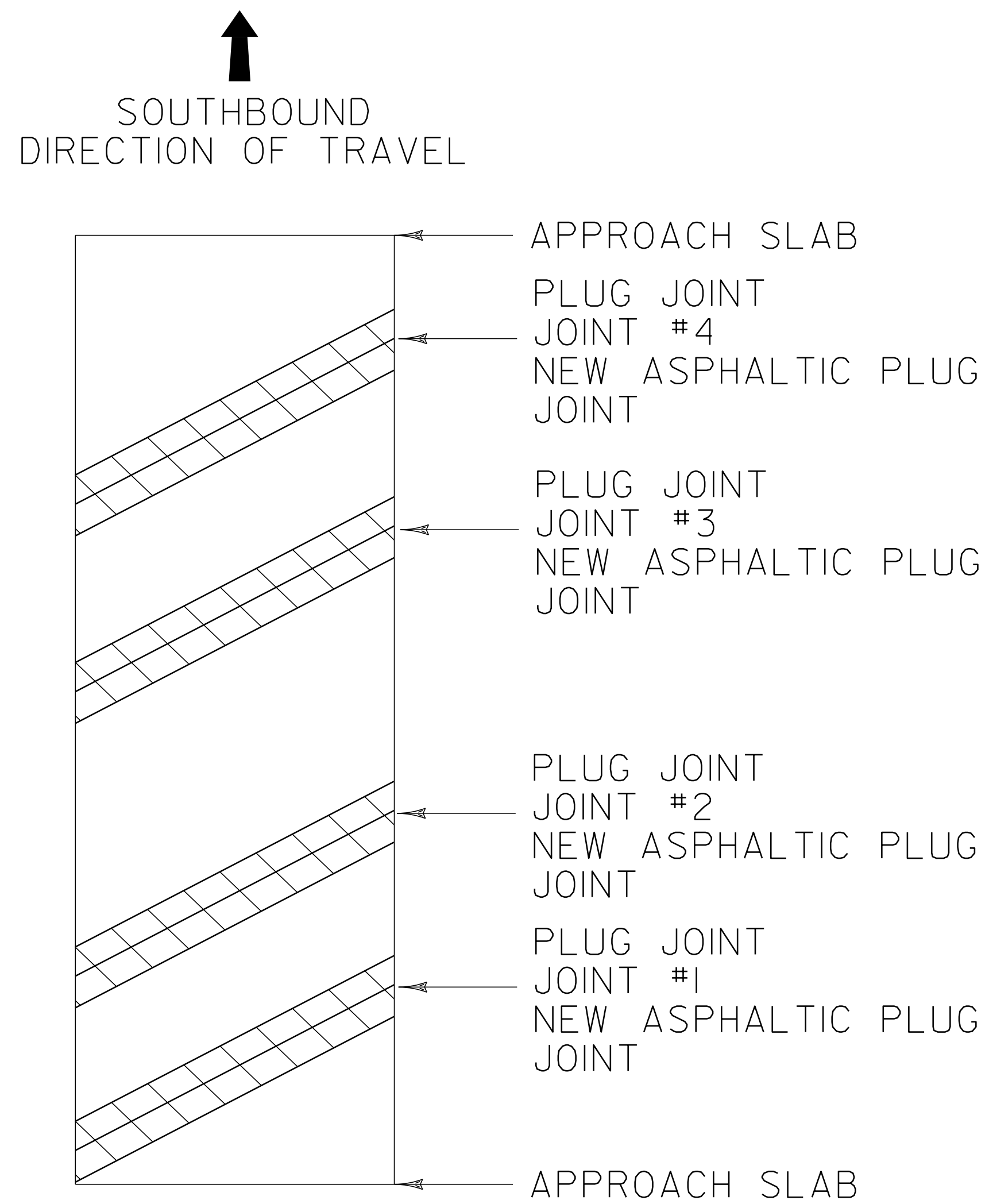
BRIDGE 22S

MM 33.660

LENGTH OF ASPHALTIC PLUG JOINTS:

JOINT #1 - 45'
JOINT #2 - 45'

TOTAL = 90'



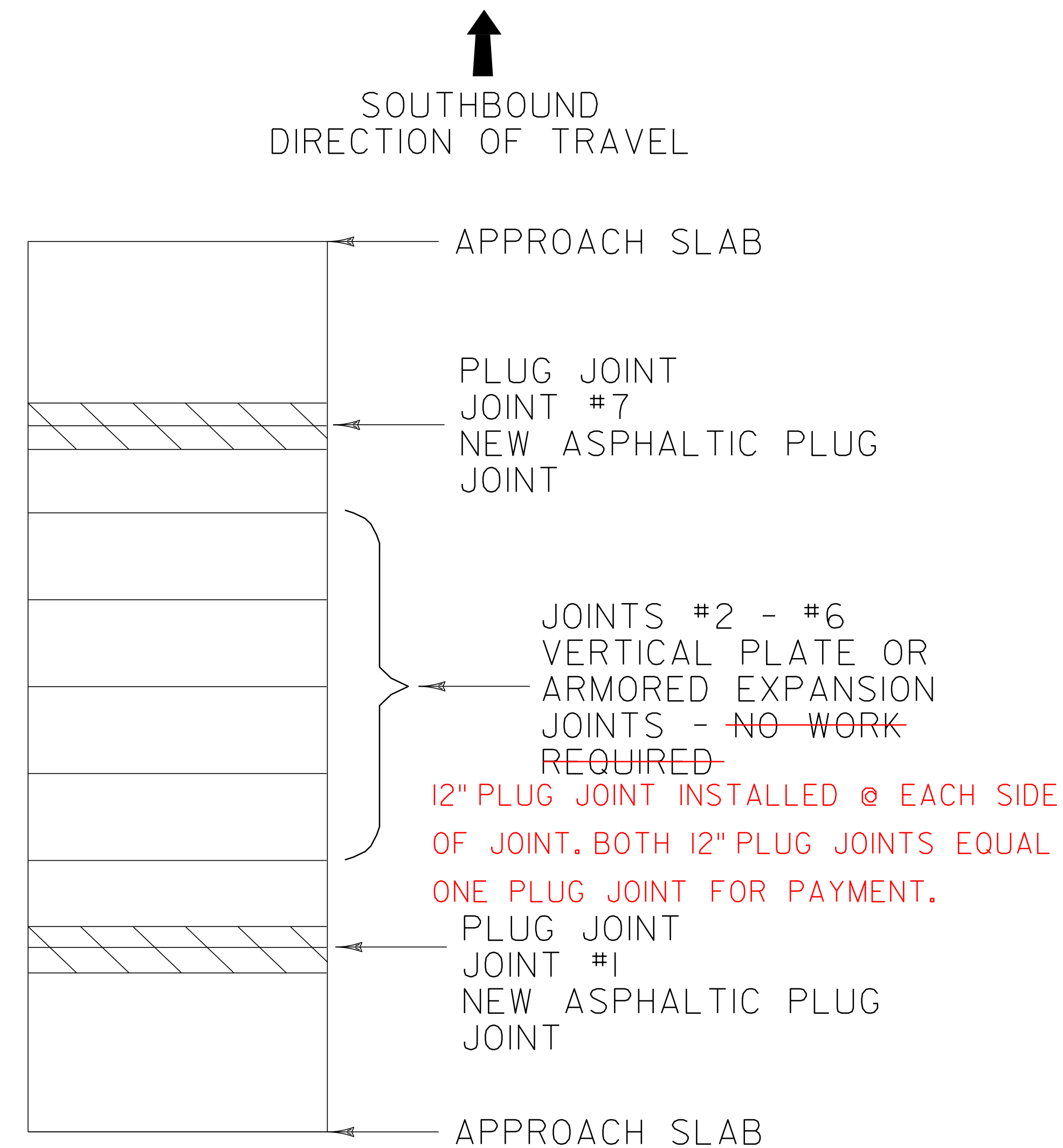
BRIDGE 23S

MM 35.204

LENGTH OF ASPHALTIC PLUG JOINTS:

JOINT #1 = 64'
JOINT #2 = 64'
JOINT #3 = 64'
JOINT #4 = 64'

TOTAL = 256'



BRIDGE 24S

MM 35.495

LENGTH OF ASPHALTIC PLUG JOINTS:

JOINT #1 - 38'
JOINT #7 - 38'

TOTAL = 76'

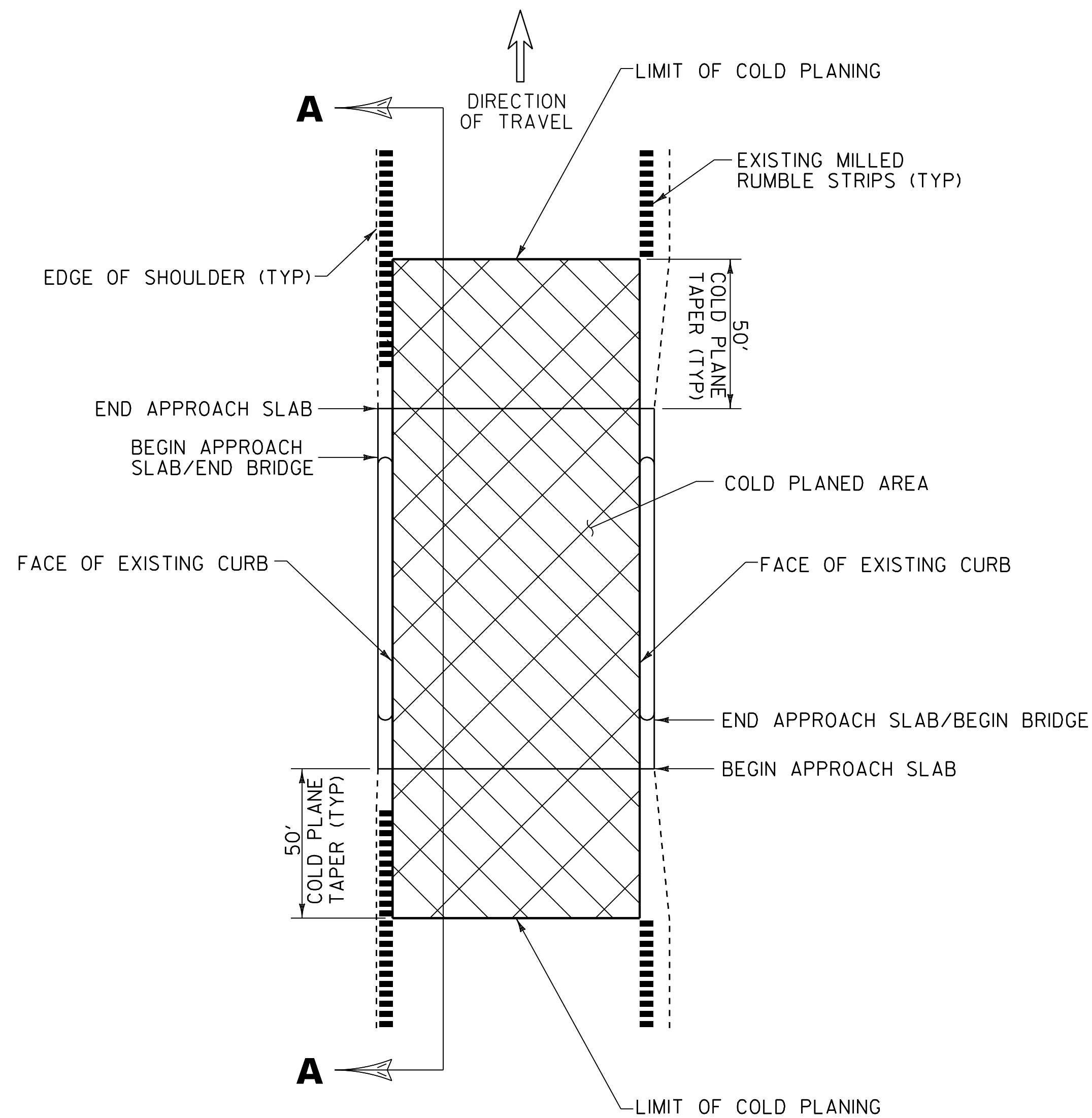
LEGEND



EXISTING BRIDGE JOINTS TO BE
REPAIRED WITH ASPHALTIC PLUG JOINT

**BRIDGE
DETAIL SHEET
3**

| | |
|--|------------------------------|
| PROJECT NAME: BRATTLEBORO - ROCKINGHAM | |
| PROJECT NUMBER: IM SURF (37) | |
| FILE NAME: I2a398\pi2a398.dgn | PLOT DATE: 27-MAR-2014 13:15 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pi2a398bd3.i | SHEET 7 OF 36 |



BRIDGE COLD PLANE TYPICAL PLAN

NOT TO SCALE

NOTES:

1. REFER TO ASPHALTIC PLUG JOINT DETAIL SHEET, SD-516.10. 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 SOLE 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.

**BRIDGE
DETAIL SHEET
4**

PROJECT NAME: BRATTLEBORO - ROCKINGHAM
PROJECT NUMBER: IM SURF (37)

FILE NAME: I2a398\pi2a398.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: LOCKE
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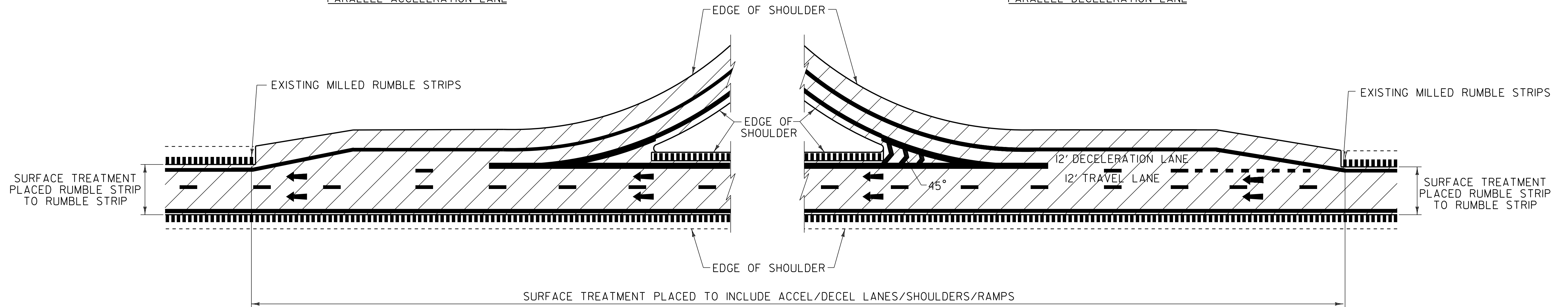
PLOT DATE: 27-MAR-2014 13:15
DRAWN BY: LOCKE
CHECKED BY: HARRINGTON
SHEET 8 OF 36

TYPICAL INTERCHANGE CONSTRUCTION DETAILS

NOT TO SCALE

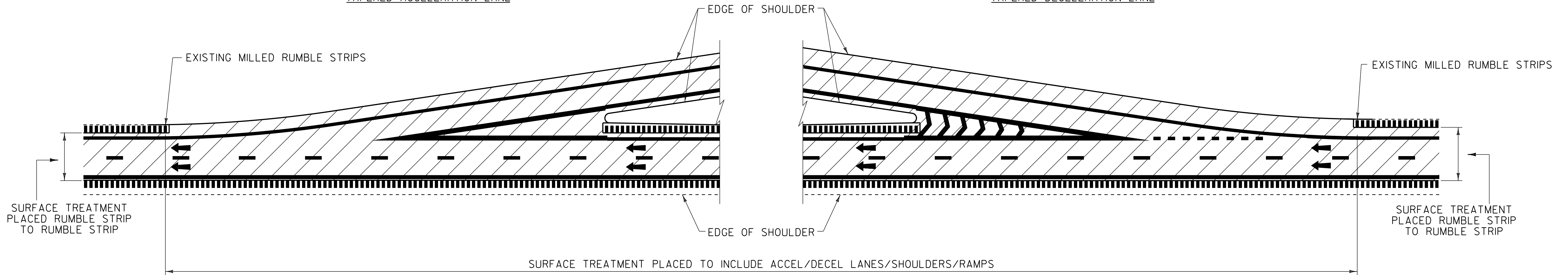
PARALLEL ACCELERATION LANE

PARALLEL DECELERATION LANE



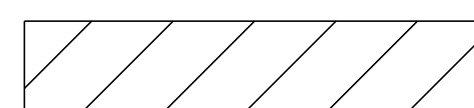
TAPERED ACCELERATION LANE

TAPERED DECELERATION LANE



NOTES:
I. LINE STRIPING SHOWN FOR REFERENCE ONLY.

LEGEND



SURFACE TREATMENT



DIRECTION OF TRAFFIC FLOW



EXISTING MILLED RUMBLE STRIPS

TYPICAL INTERCHANGE CONSTRUCTION DETAILS

PROJECT NAME: BRATTLEBORO - ROCKINGHAM
PROJECT NUMBER: IM SURF (37)

FILE NAME: i2a398\pi2a398.dgn PLOT DATE: 27-MAR-2014 13:15
PROJECT LEADER: M. FOWLER DRAWN BY: LOCKE
DESIGNED BY: LOCKE CHECKED BY: HARRINGTON
IPARM FILE NAME: pi2a398+icd.i SHEET 9 OF 36

QUANTITY SHEET 2

| SUMMARY OF ESTIMATED QUANTITIES | | | | | | | | |
|---------------------------------|--------|---------|-----------|------------------------|------|--|----------|----------|
| | BRIDGE | ROADWAY | FULL C.E. | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. | ROUNDING |
| | | | | | | BEGIN OPTION EE | | |
| | | 82 | | 82 | EA | DURABLE LETTER OR SYMBOL, EPOXY PAINT | 646.493 | - |
| | | 82 | | 82 | EA | DURABLE LETTER OR SYMBOL, POLYUREA | 646.494 | - |
| | | | | | | END OPTION EE | | |
| | | 290,750 | | 290,750 | LF | TEMPORARY 6 INCH WHITE LINE, PAINT | 646.622 | 180 |
| | | 229,800 | | 229,800 | LF | TEMPORARY 6 INCH YELLOW LINE, PAINT | 646.632 | 28 |
| | | 7,350 | | 7,350 | LF | TEMPORARY 12 INCH WHITE LINE, PAINT | 646.662 | 66 |
| | | 205 | | 205 | LF | TEMPORARY 24 INCH STOP BAR, PAINT | 646.682 | - |
| | | 82 | | 82 | EA | TEMPORARY LETTER OR SYMBOL, PAINT | 646.692 | - |
| | | 16,500 | | 16,500 | EA | LINE STRIPING TARGETS | 646.76 | EST |
| | | 349,000 | | 349,000 | SF | REMOVAL OF EXISTING PAVEMENT MARKINGS | 646.85 | EST |
| | | I | | I | LU | PRICE ADJUSTMENT, FUEL (N.A.B.I.) | 690.50 | - |
| | | 100 | | 100 | TON | SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I) | 900.680 | EST |
| | | | | | | END ITEMS COMMON TO ALL ALTERNATES | | |
| | | | | | | BEGIN ALTERNATE A | | |
| | | 725,000 | | 725,000 | SY | SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) | 900.675 | 1,135 |
| | | | | | | END ALTERNATE A | | |
| | | | | | | BEGIN ALTERNATE B | | |
| | | I | | I | LU | AIR VOIDS PAY ADJUSTMENT (N.A.B.I.) | 490.31 | - |
| | | 42,650 | | 42,650 | TON | SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT)(SBR OR SBS POLYMER) | 900.680 | 423 |
| | | 5,000 | | 5,000 | CWT | SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-IH OR CRS-IH) | 900.683 | 136 |
| | | | | | | END ALTERNATE B | | |

| DETAILED SUMMARY OF QUANTITIES | | |
|--------------------------------|------|--|
| QUANTITIES | UNIT | ITEMS |
| | | ALTERNATE A |
| | | SPECIAL PROVISION (PAVER PLACED SURFACE TREATMENT, TYPE C) |
| 289,798 | SY | MAINLINE NORTHBOUND |
| 374,113 | SY | MAINLINE SOUTHBOUND |
| 1,056 | SY | BRIDGE 20 N & APPROACHES |
| 1,056 | SY | BRIDGE 20 S & APPROACHES |
| 2,470 | SY | BRIDGE 21 S & APPROACHES |
| 929 | SY | BRIDGE 22 S & APPROACHES |
| 1,470 | SY | BRIDGE 23 S & APPROACHES |
| 3,897 | SY | BRIDGE 24 S & APPROACHES |
| 11,517 | SY | EXIT 4 RAMPS |
| 16,825 | SY | EXIT 5 RAMPS |
| 9,387 | SY | EXIT 6 RAMPS |
| 3,191 | SY | NORTHBOUND PARKING AREA (MM 20.438) |
| 3,049 | SY | NORTHBOUND PARKING AREA (MM 23.211) |
| 2,045 | SY | SOUTHBOUND PARKING AREA (MM 23.798) |
| 3,062 | SY | SOUTHBOUND WEIGH STATION (MM 21.957) |
| 1,135 | SY | ROUNDING |
| 725,000 | SY | TOTAL |

| DETAILED SUMMARY OF QUANTITIES | | |
|--------------------------------|------|--|
| QUANTITIES | UNIT | ITEMS |
| | | ALTERNATE B |
| | | SPECIAL PROVISION (6.3 MM POLYMER MODIFIED BITUMINOUS CONCRETE PAVEMENT)(SBR OR SBS POLYMER) |
| 16,905 | TON | MAINLINE NORTHBOUND |
| 21,823 | TON | MAINLINE SOUTHBOUND |
| 62 | TON | BRIDGE 20 N & APPROACHES |
| 62 | TON | BRIDGE 20 S & APPROACHES |
| 144 | TON | BRIDGE 21 S & APPROACHES |
| 54 | TON | BRIDGE 22 S & APPROACHES |
| 86 | TON | BRIDGE 23 S & APPROACHES |
| 227 | TON | BRIDGE 24 S & APPROACHES |
| 672 | TON | EXIT 4 RAMPS |
| 982 | TON | EXIT 5 RAMPS |
| 548 | TON | EXIT 6 RAMPS |
| 186 | TON | NORTHBOUND PARKING AREA (MM 20.438) |
| 178 | TON | NORTHBOUND PARKING AREA (MM 23.211) |
| 119 | TON | SOUTHBOUND PARKING AREA (MM 23.798) |
| 179 | TON | SOUTHBOUND WEIGH STATION (MM 21.957) |
| 423 | TON | ROUNDING |
| 42,650 | TON | TOTAL |

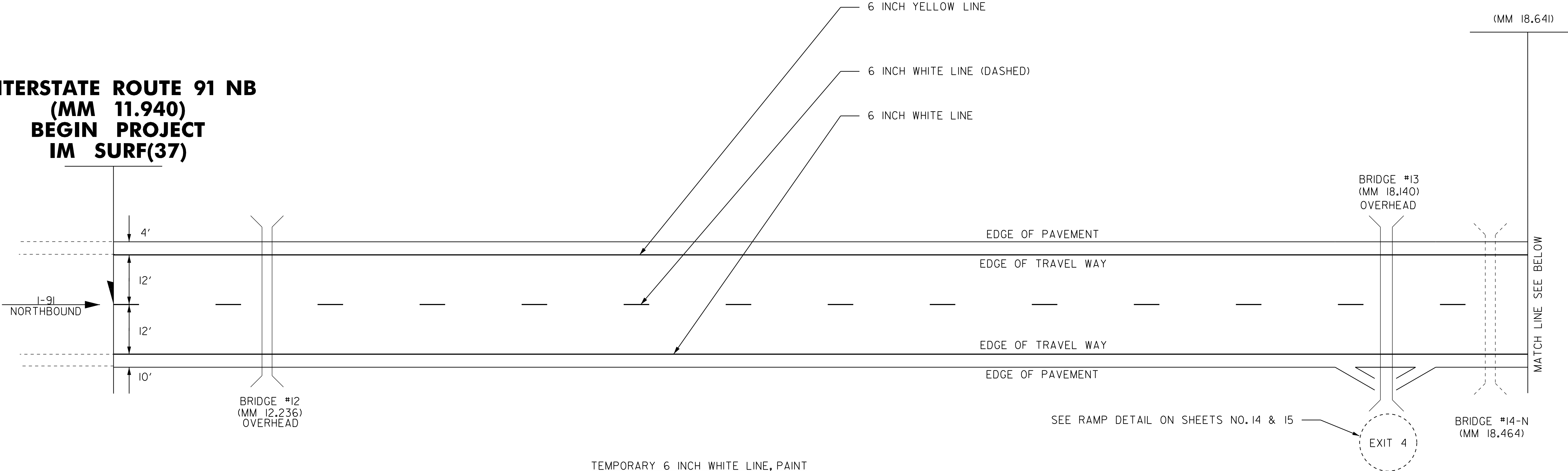
PROJECT NAME: BRATTLEBORO - ROCKINGHAM
 PROJECT NUMBER: IM SURF (37)

FILE NAME: I2a398\pl2a398.dgn
 PROJECT LEADER: M. FOWLER
 DESIGNED BY: LOCKE
 IPARM FILE NAME: pl2a398qs2.i

PLOT DATE: 27-MAR-2014 13:15
 DRAWN BY: LOCKE
 CHECKED BY: HARRINGTON
 SHEET 11 OF 36

(MM 18.641)

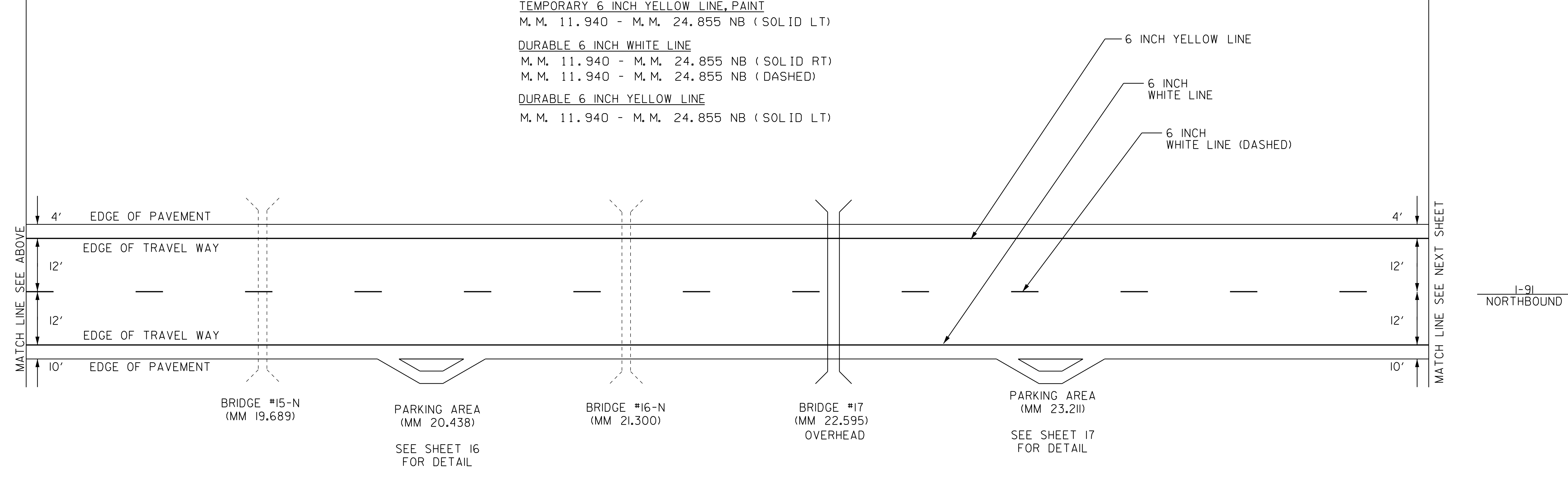
INTERSTATE ROUTE 91 NB (MM 11.940) BEGIN PROJECT IM SURF(37)



- TEMPORARY 6 INCH WHITE LINE, PAINT
- M. M. 11.940 - M. M. 24.855 NB (SOLID RT)
- M. M. 11.940 - M. M. 24.855 NB (DASHED)
- TEMPORARY 6 INCH YELLOW LINE, PAINT
- M. M. 11.940 - M. M. 24.855 NB (SOLID LT)
- DURABLE 6 INCH WHITE LINE
- M. M. 11.940 - M. M. 24.855 NB (SOLID RT)
- M. M. 11.940 - M. M. 24.855 NB (DASHED)
- DURABLE 6 INCH YELLOW LINE
- M. M. 11.940 - M. M. 24.855 NB (SOLID LT)

(MM 18.641)

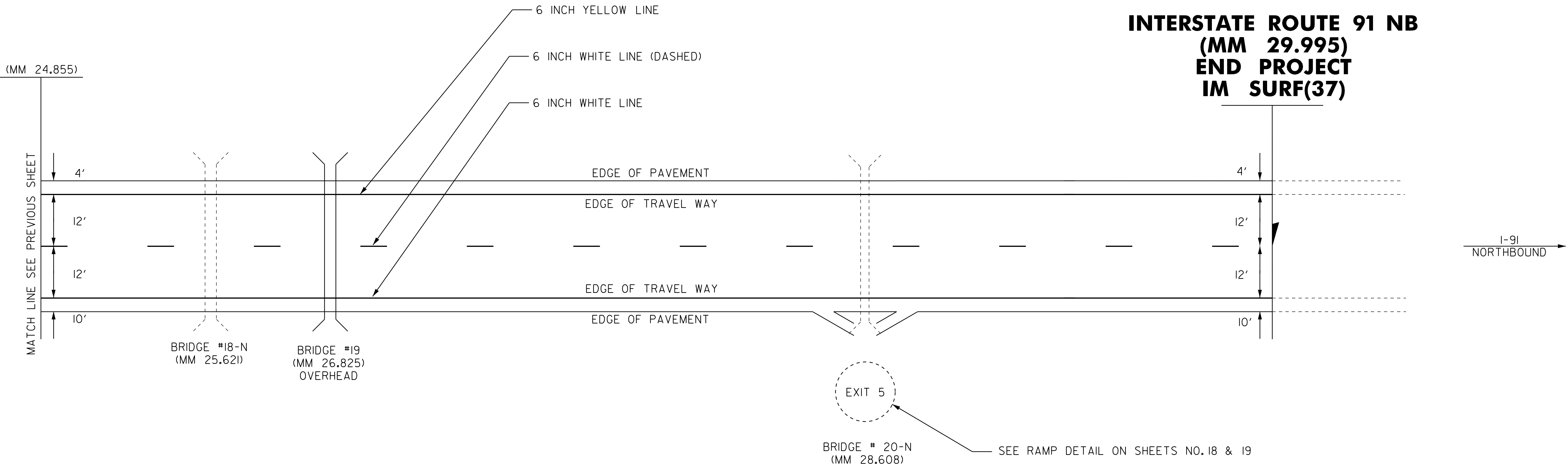
(MM 24.855)



NOTES:
1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|--|--------------------------------|------------------------------|
| PAVEMENT MARKING DETAIL SHEET 1 MAINLINE NB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:15 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| | DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| | IPARM FILE NAME: pl2a398pmdl.i | SHEET 12 OF 36 |

**INTERSTATE ROUTE 91 NB
(MM 29.995)
END PROJECT
IM SURF(37)**

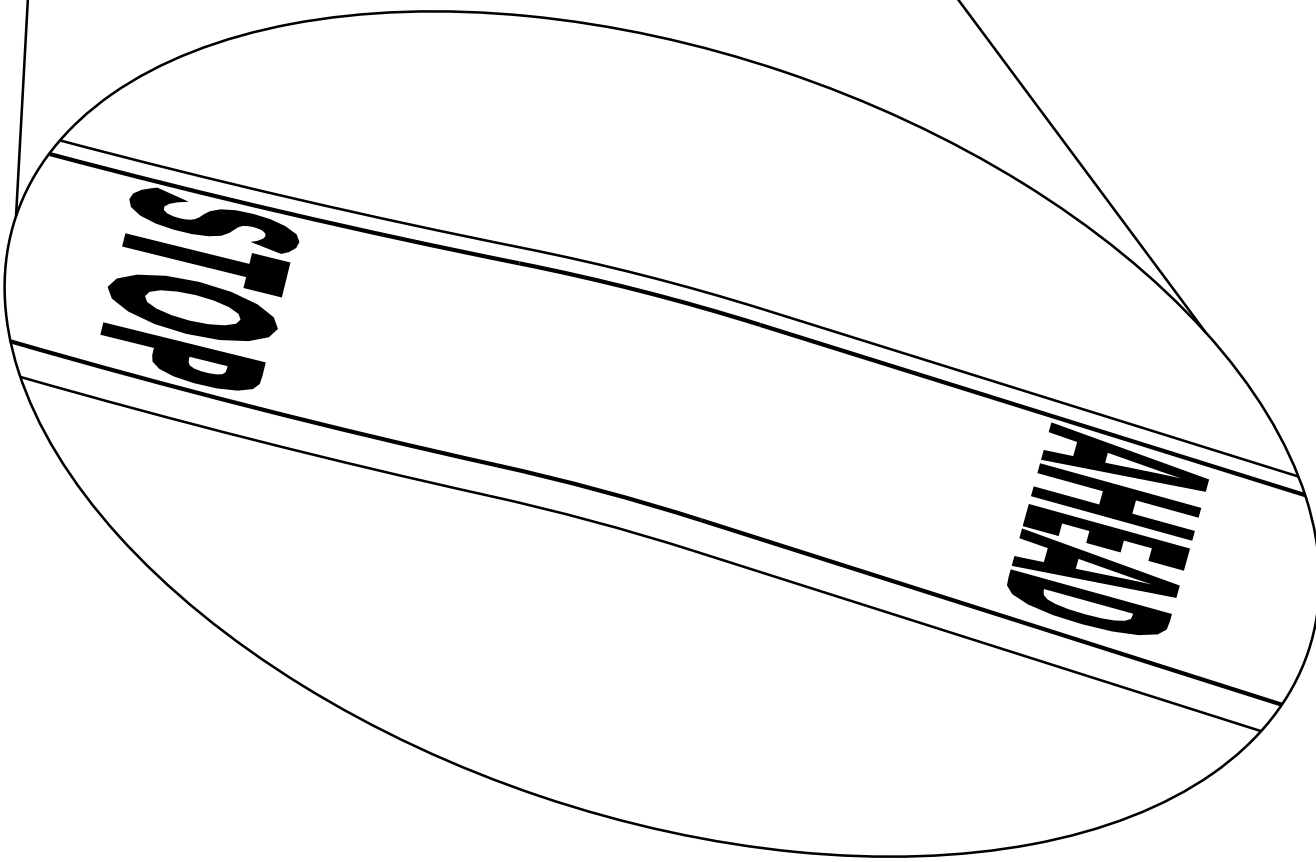
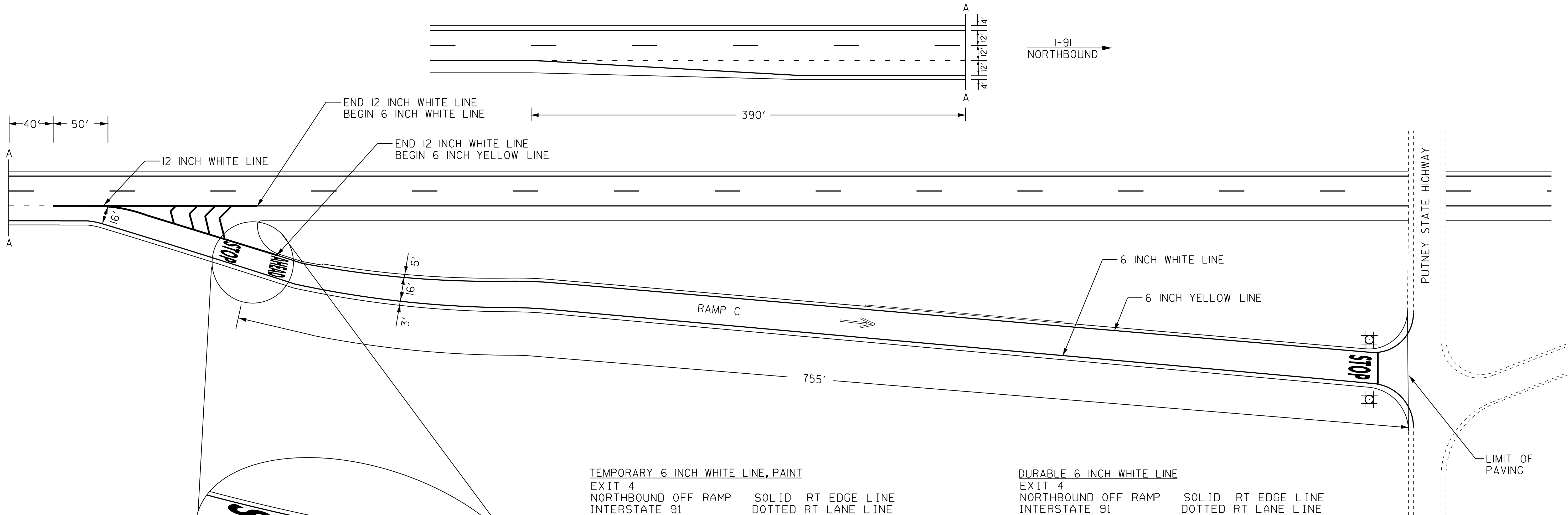


- TEMPORARY 6 INCH WHITE LINE, PAINT
- M. M. 24.855 - M. M. 29.995 NB (SOL ID RT)
- M. M. 24.855 - M. M. 29.995 NB (DASHED)
- TEMPORARY 6 INCH YELLOW LINE, PAINT
- M. M. 24.855 - M. M. 29.995 NB (SOL ID LT)
- DURABLE 6 INCH WHITE LINE
- M. M. 24.855 - M. M. 29.995 NB (SOL ID RT)
- M. M. 24.855 - M. M. 29.995 NB (DASHED)
- DURABLE 6 INCH YELLOW LINE
- M. M. 24.855 - M. M. 29.995 NB (SOL ID LT)

NOTES:
I. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|--|--------------------------------|------------------------------|
| PAVEMENT MARKING DETAIL SHEET 2 MAINLINE NB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:15 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| | DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| | IPARM FILE NAME: pl2a398pmd2.i | SHEET 13 OF 36 |

EXIT 4 - RAMP C NORTHBOUND OFF RAMP



TEMPORARY 6 INCH WHITE LINE, PAINT
 EXIT 4
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 EXIT 4
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 EXIT 4
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

TEMPORARY LETTER OR SYMBOL, PAINT
 EXIT 4
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP "AHEAD"
 NORTHBOUND OFF RAMP →
 NORTHBOUND OFF RAMP "STOP" AT PUTNEY STATE HIGHWAY

TEMPORARY 24 INCH STOP BAR, PAINT
 EXIT 4
 NORTHBOUND OFF RAMP AT PUTNEY STATE HIGHWAY

DURABLE 6 INCH WHITE LINE
 EXIT 4
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 6 INCH YELLOW LINE
 EXIT 4
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE

DURABLE 12 INCH WHITE LINE
 EXIT 4
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

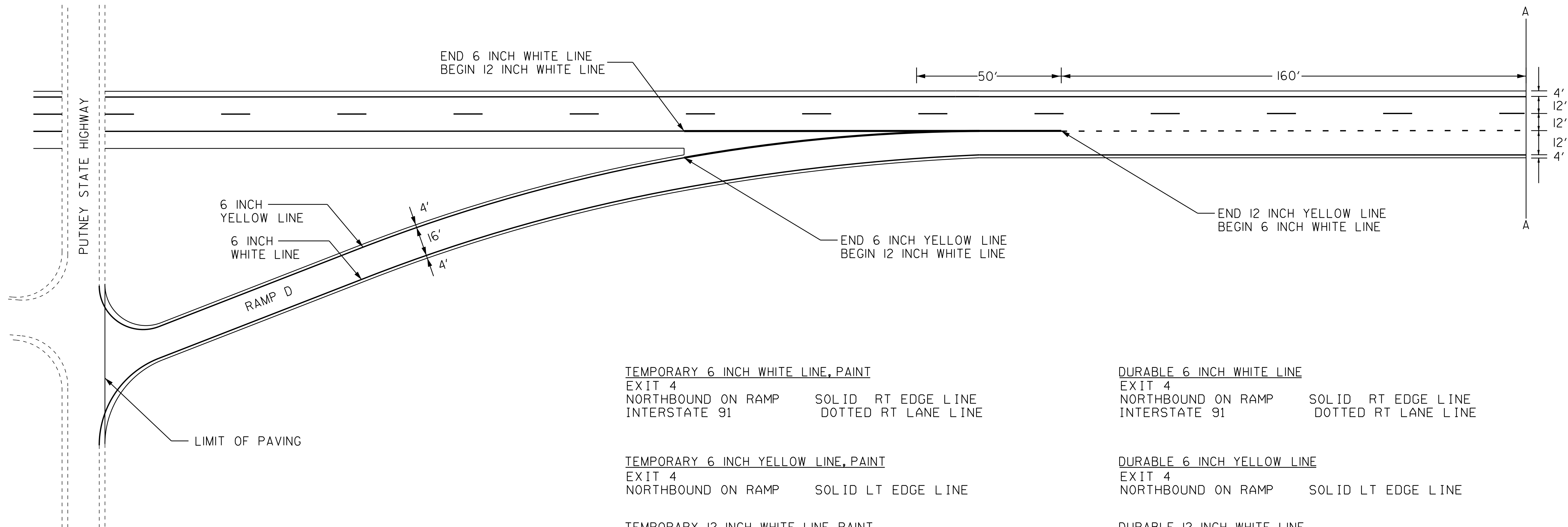
DURABLE LETTER OR SYMBOL
 EXIT 4
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP "AHEAD"
 NORTHBOUND OFF RAMP →
 NORTHBOUND OFF RAMP "STOP" AT PUTNEY STATE HIGHWAY

DURABLE 24 INCH STOP BAR
 EXIT 4
 NORTHBOUND OFF RAMP AT PUTNEY STATE HIGHWAY

NOTES:
 1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|--|------------------|--------------------------|
| PAVEMENT MARKING DETAIL SHEET 3 EXIT 4 NB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: | pl2a398.dgn |
| | PROJECT LEADER: | M. FOWLER |
| | DESIGNED BY: | LOCKE |
| | IPARM FILE NAME: | pl2a398pmd3.i |
| | PLOT DATE: | 27-MAR-2014 13:15 |
| | DRAWN BY: | LOCKE |
| | CHECKED BY: | HARRINGTON |
| | SHEET | 14 OF 36 |

EXIT 4 - RAMP D NORTHBOUND ON RAMP



TEMPORARY 6 INCH WHITE LINE, PAINT
 EXIT 4
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

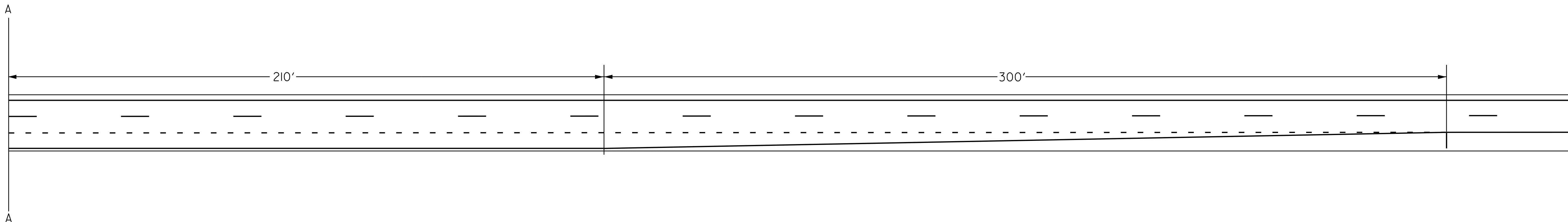
DURABLE 6 INCH WHITE LINE
 EXIT 4
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 EXIT 4
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 6 INCH YELLOW LINE
 EXIT 4
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 EXIT 4
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

DURABLE 12 INCH WHITE LINE
 EXIT 4
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA



NOTES:
 1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | |
|--|--|
| PAVEMENT MARKING DETAIL SHEET 4 EXIT 4 NB | PROJECT NAME: BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: IM SURF (37) |
| | FILE NAME: pl2a398.dgn |
| | PLOT DATE: 27-MAR-2014 13:15 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398pmd4.i | SHEET 15 OF 36 |

TEMPORARY 6 INCH WHITE LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

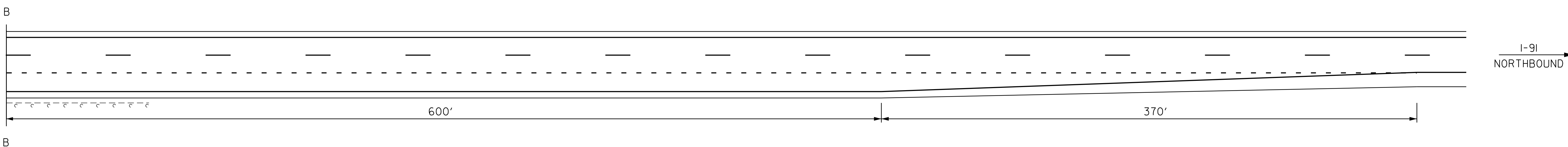
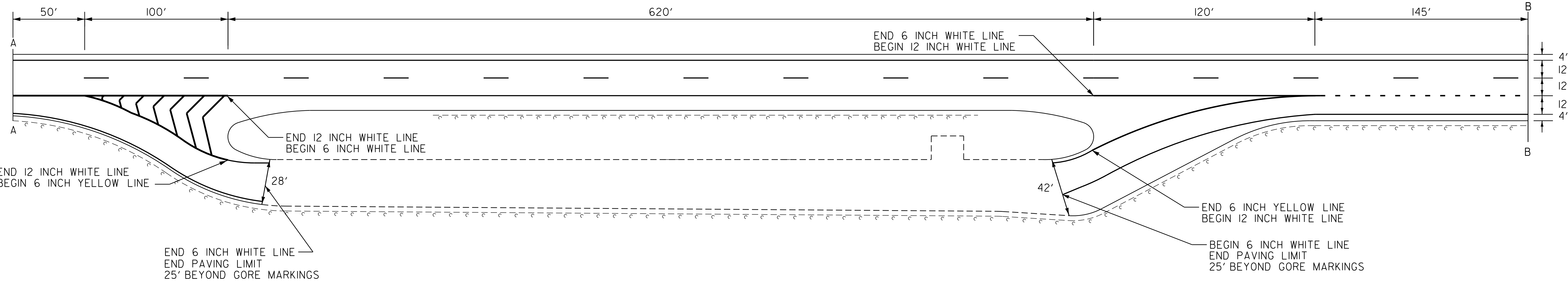
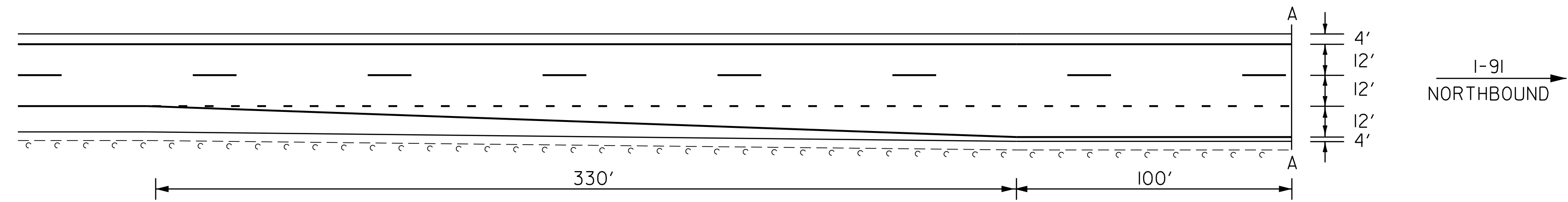
DURABLE 6 INCH WHITE LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 6 INCH YELLOW LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 12 INCH WHITE LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

PARKING AREA NORTHBOUND

MM 20.438



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

**PAVEMENT MARKING
 DETAIL SHEET 5
 PARKING AREA NB**

| | |
|------------------|--------------------------|
| PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| PROJECT NUMBER: | IM SURF (37) |
| FILE NAME: | pl2a398.dgn |
| PROJECT LEADER: | M. FOWLER |
| DESIGNED BY: | LOCKE |
| IPARM FILE NAME: | pl2a398pmd5.i |
| PLOT DATE: | 27-MAR-2014 13:15 |
| DRAWN BY: | LOCKE |
| CHECKED BY: | HARRINGTON |
| SHEET | 16 OF 36 |

TEMPORARY 6 INCH WHITE LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

TEMPORARY LETTER OR SYMBOL, PAINT
 PARKING AREA
 NORTHBOUND OFF RAMP ➡

DURABLE 6 INCH WHITE LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 NORTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

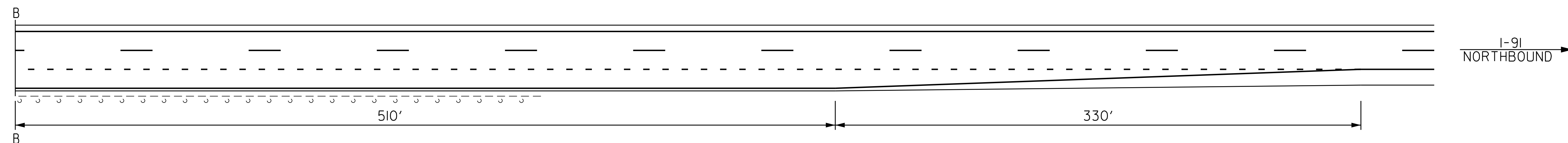
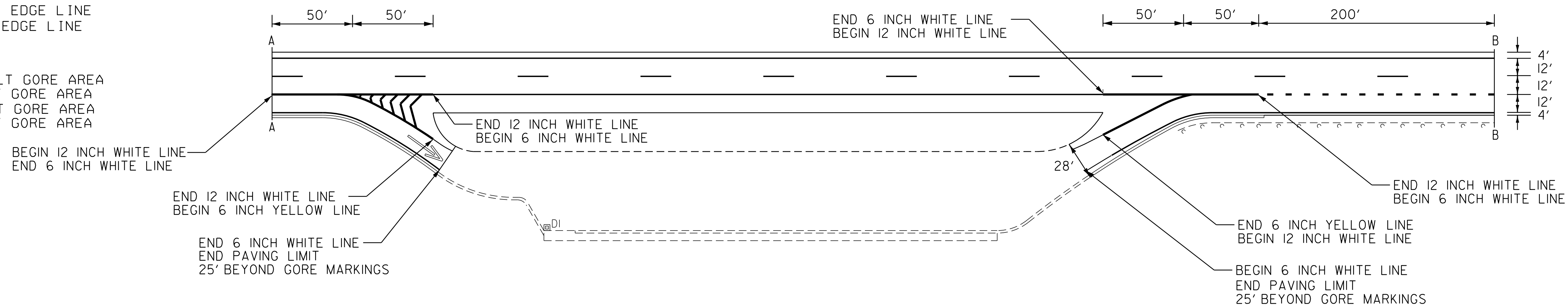
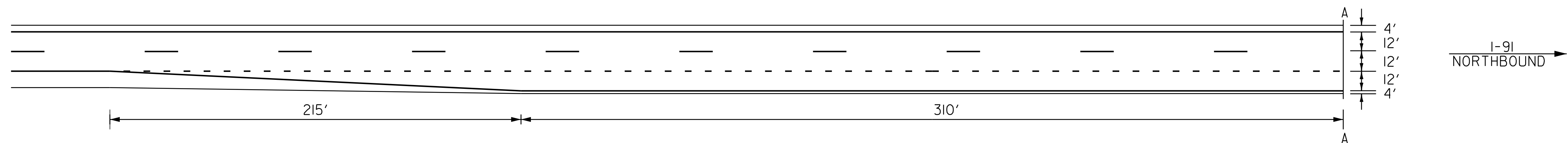
DURABLE 6 INCH YELLOW LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 NORTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 12 INCH WHITE LINE
 PARKING AREA
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA
 NORTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

DURABLE LETTER OR SYMBOL
 PARKING AREA
 NORTHBOUND OFF RAMP ➡

PARKING AREA NORTHBOUND

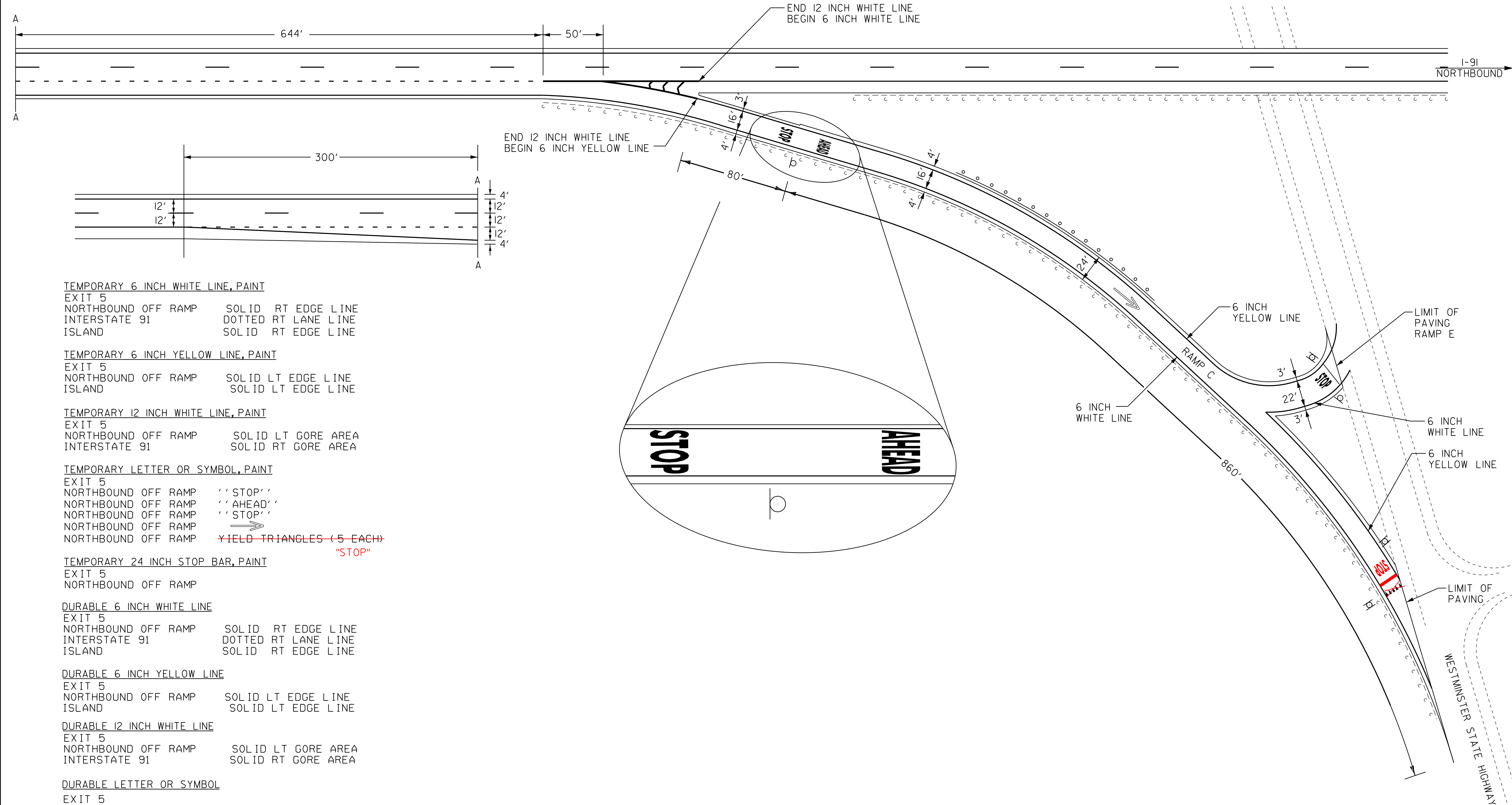
MM 23.211



NOTES:
 1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | |
|--|--|
| PAVEMENT MARKING DETAIL SHEET 6 PARKING AREA NB | PROJECT NAME: BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: IM SURF (37) |
| | FILE NAME: pl2a398.dgn |
| | PLOT DATE: 27-MAR-2014 13:15 |
| | PROJECT LEADER: M. FOWLER |
| | DRAWN BY: LOCKE |
| | DESIGNED BY: LOCKE |
| | CHECKED BY: HARRINGTON |
| | IPARM FILE NAME: pl2a398pmd6.i |
| | SHEET 17 OF 36 |

EXIT 5 - RAMP C & E NORTHBOUND OFF RAMP



TEMPORARY 6 INCH WHITE LINE, PAINT
 EXIT 5
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 ISLAND SOLID RT EDGE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 EXIT 5
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 ISLAND SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 EXIT 5
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

TEMPORARY LETTER OR SYMBOL, PAINT
 EXIT 5
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP "AHEAD"
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP
 NORTHBOUND OFF RAMP ~~YIELD TRIANGLES (5 EACH)~~
"STOP"

TEMPORARY 24 INCH STOP BAR, PAINT
 EXIT 5
 NORTHBOUND OFF RAMP

DURABLE 6 INCH WHITE LINE
 EXIT 5
 NORTHBOUND OFF RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE
 ISLAND SOLID RT EDGE LINE

DURABLE 6 INCH YELLOW LINE
 EXIT 5
 NORTHBOUND OFF RAMP SOLID LT EDGE LINE
 ISLAND SOLID LT EDGE LINE

DURABLE 12 INCH WHITE LINE
 EXIT 5
 NORTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

DURABLE LETTER OR SYMBOL
 EXIT 5
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP "AHEAD"
 NORTHBOUND OFF RAMP "STOP"
 NORTHBOUND OFF RAMP
 NORTHBOUND OFF RAMP YIELD TRIANGLES (5 EACH)

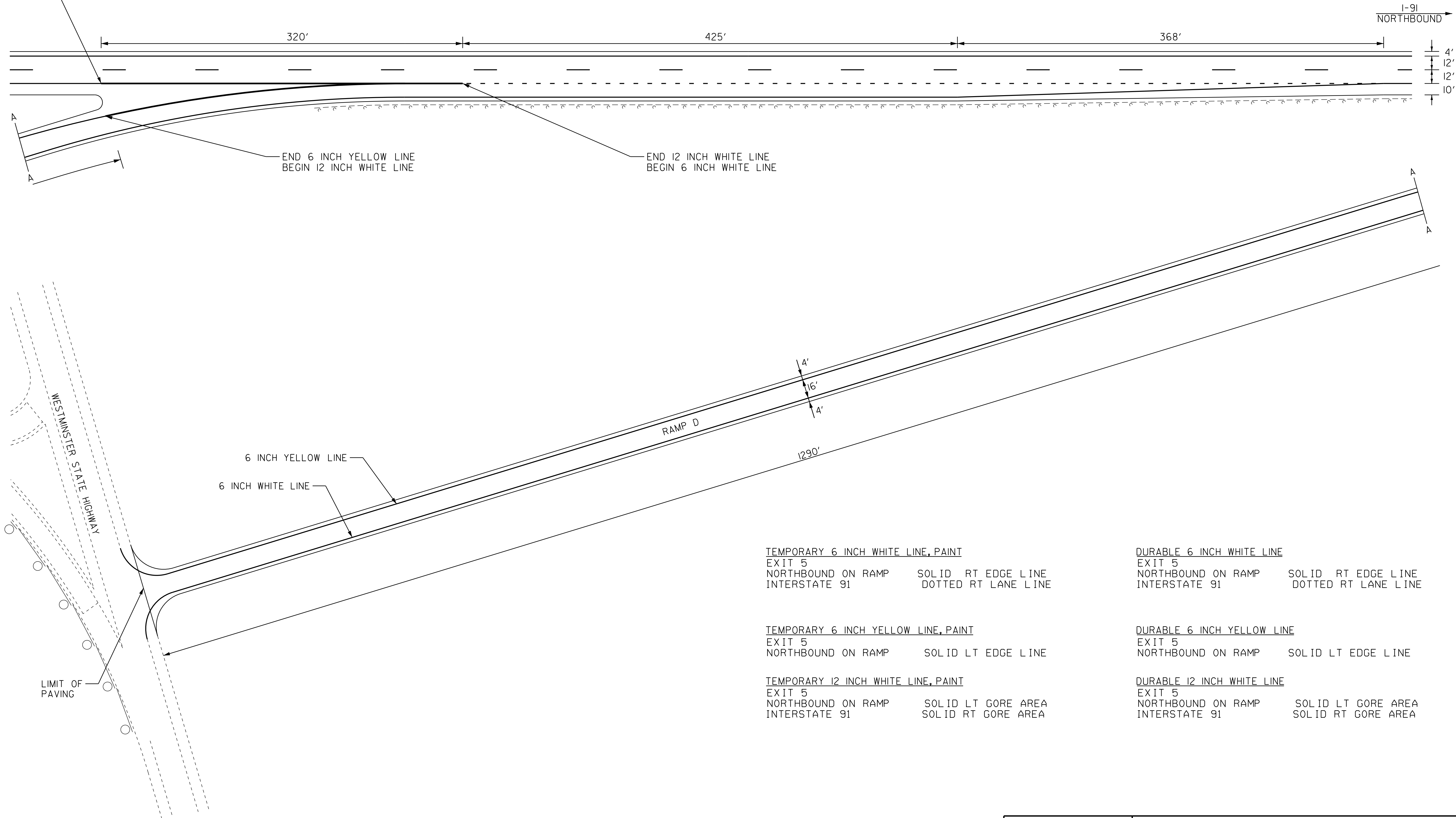
DURABLE 24 INCH STOP BAR
 EXIT 5
 NORTHBOUND OFF RAMP

NOTES:
 1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

PAVEMENT MARKING DETAIL SHEET 7 EXIT 5 NB

| | |
|--|------------------------------|
| PROJECT NAME: BRATTLEBORO - ROCKINGHAM | PLOT DATE: 27-MAR-2014 13:15 |
| PROJECT NUMBER: IM SURF (37) | DRAWN BY: LOCKE |
| FILE NAME: pl2a398.dgn | CHECKED BY: HARRINGTON |
| PROJECT LEADER: M. FOWLER | SHEET 18 OF 36 |
| DESIGNED BY: LOCKE | |
| IPARM FILE NAME: pl2a398pmd7.i | |

EXIT 5 - RAMP D NORTHBOUND ON RAMP



TEMPORARY 6 INCH WHITE LINE, PAINT
EXIT 5
NORTHBOUND ON RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 6 INCH WHITE LINE
EXIT 5
NORTHBOUND ON RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
EXIT 5
NORTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 6 INCH YELLOW LINE
EXIT 5
NORTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
EXIT 5
NORTHBOUND ON RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

DURABLE 12 INCH WHITE LINE
EXIT 5
NORTHBOUND ON RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

NOTES:
I. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | |
|--|--|
| PAVEMENT MARKING DETAIL SHEET 8 EXIT 5 NB | PROJECT NAME: BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: IM SURF (37) |
| | FILE NAME: pl2a398.dgn |
| | PROJECT LEADER: M. FOWLER |
| DESIGNED BY: LOCKE | PLOT DATE: 27-MAR-2014 13:15 |
| IPARM FILE NAME: pl2a398pmd8.i | DRAWN BY: LOCKE |
| | CHECKED BY: HARRINGTON |
| | SHEET 19 OF 36 |

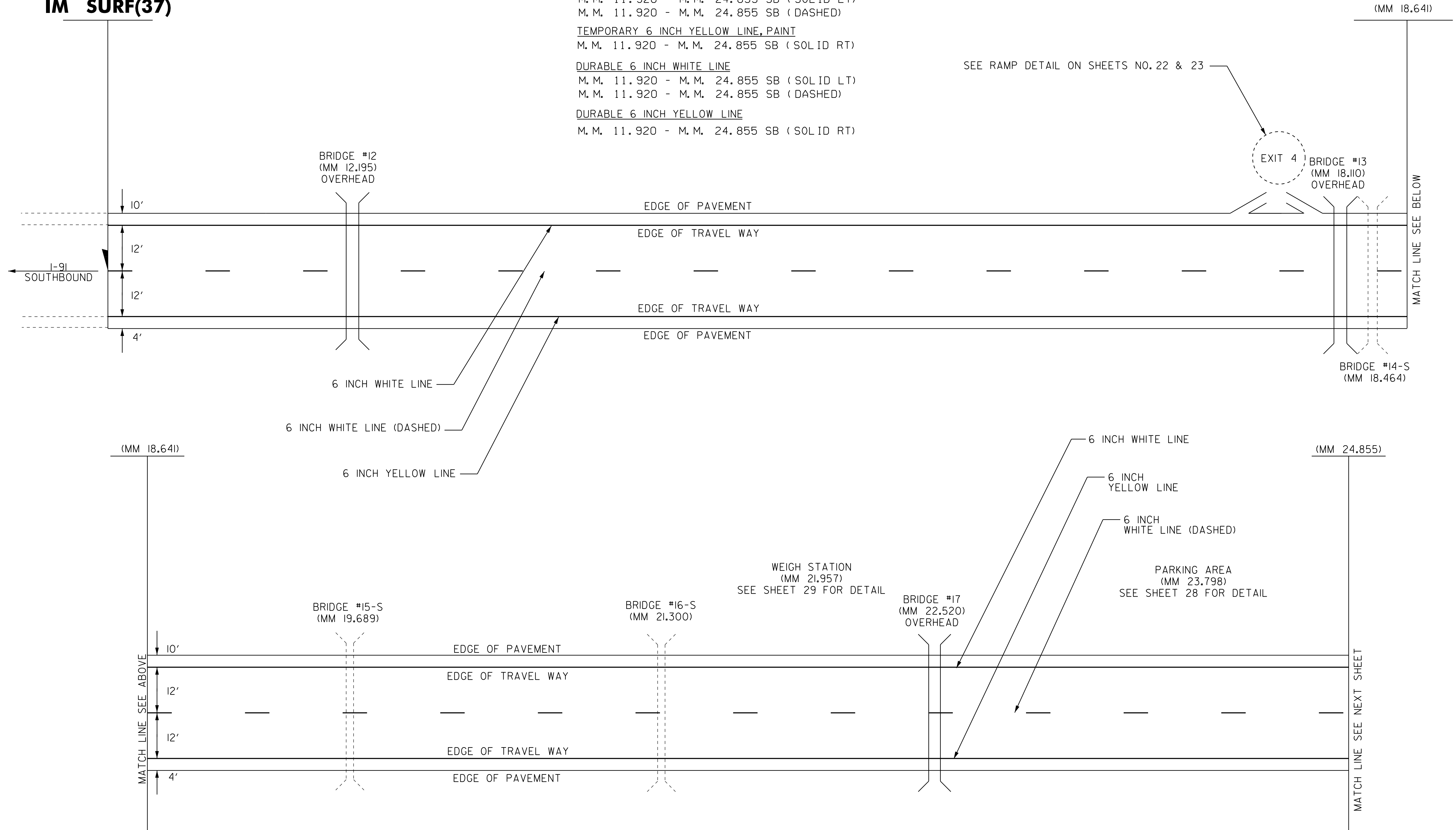
**INTERSTATE ROUTE 91 SB
(MM 11.920)
BEGIN PROJECT
IM SURF(37)**

TEMPORARY 6 INCH WHITE LINE, PAINT
M. M. 11.920 - M. M. 24.855 SB (SOLID LT)
M. M. 11.920 - M. M. 24.855 SB (DASHED)

TEMPORARY 6 INCH YELLOW LINE, PAINT
M. M. 11.920 - M. M. 24.855 SB (SOLID RT)

DURABLE 6 INCH WHITE LINE
M. M. 11.920 - M. M. 24.855 SB (SOLID LT)
M. M. 11.920 - M. M. 24.855 SB (DASHED)

DURABLE 6 INCH YELLOW LINE
M. M. 11.920 - M. M. 24.855 SB (SOLID RT)



SEE RAMP DETAIL ON SHEETS NO. 22 & 23

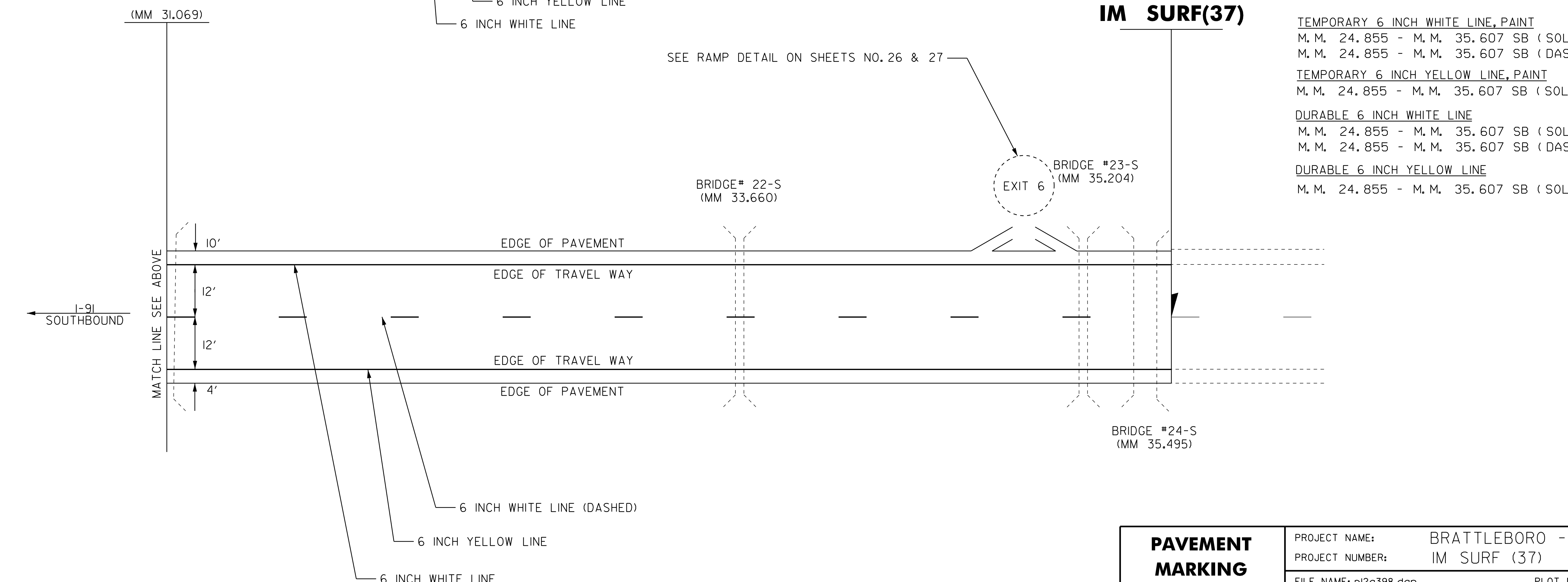
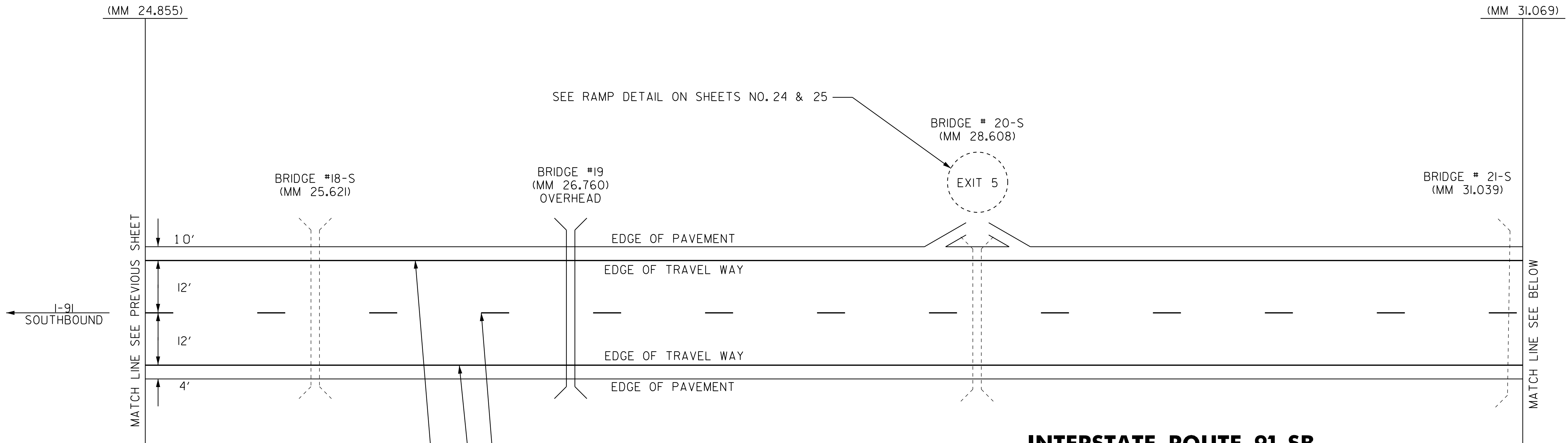
MATCH LINE SEE BELOW

MATCH LINE SEE ABOVE

MATCH LINE SEE NEXT SHEET

NOTES:
1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|--|------------------|--------------------------|
| PAVEMENT MARKING DETAIL SHEET 9 MAINLINE SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: | pl2a398.dgn |
| | PROJECT LEADER: | M. FOWLER |
| | DESIGNED BY: | LOCKE |
| | IPARM FILE NAME: | pl2a398pmd9.i |
| | PLOT DATE: | 27-MAR-2014 13:15 |
| | DRAWN BY: | LOCKE |
| | CHECKED BY: | HARRINGTON |
| | SHEET | 20 OF 36 |



**INTERSTATE ROUTE 91 SB
(MM 35.607)
END PROJECT
IM SURF(37)**

- TEMPORARY 6 INCH WHITE LINE, PAINT
- M. M. 24.855 - M. M. 35.607 SB (SOL ID LT)
- M. M. 24.855 - M. M. 35.607 SB (DASHED)
- TEMPORARY 6 INCH YELLOW LINE, PAINT
- M. M. 24.855 - M. M. 35.607 SB (SOL ID RT)
- DURABLE 6 INCH WHITE LINE
- M. M. 24.855 - M. M. 35.607 SB (SOL ID LT)
- M. M. 24.855 - M. M. 35.607 SB (DASHED)
- DURABLE 6 INCH YELLOW LINE
- M. M. 24.855 - M. M. 35.607 SB (SOL ID RT)

NOTES:
1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|---|------------------|--------------------------|
| PAVEMENT MARKING DETAIL SHEET 10 MAINLINE SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: | pl2a398.dgn |
| | PROJECT LEADER: | M. FOWLER |
| | DESIGNED BY: | LOCKE |
| | IPARM FILE NAME: | pl2a398pmd10.i |
| | PLOT DATE: | 27-MAR-2014 13:45 |
| | DRAWN BY: | LOCKE |
| | CHECKED BY: | HARRINGTON |
| | | SHEET 21 OF 36 |

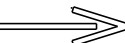
EXIT 4 - RAMP B SOUTHBOUND OFF RAMP

TEMPORARY 6 INCH YELLOW LINE, PAINT
EXIT 4
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE

TEMPORARY 6 INCH WHITE LINE, PAINT
EXIT 4
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
EXIT 4
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

TEMPORARY LETTER OR SYMBOL, PAINT

EXIT 4
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

TEMPORARY 24 INCH STOP BAR, PAINT

EXIT 4
SOUTHBOUND OFF RAMP

DURABLE 6 INCH YELLOW LINE

EXIT 4
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE


DURABLE 6 INCH WHITE LINE

EXIT 4
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 12 INCH WHITE LINE

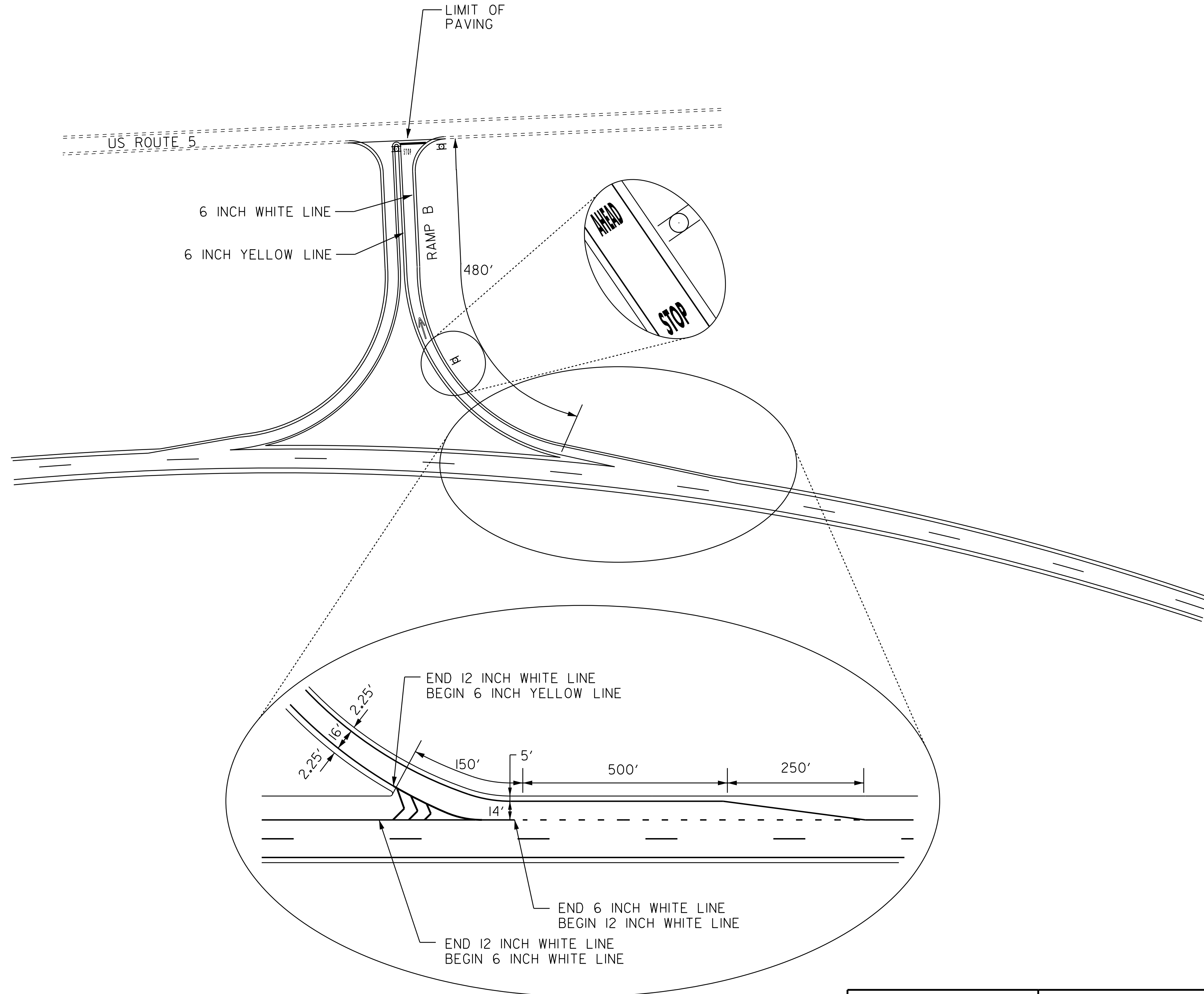
EXIT 4
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

DURABLE LETTER OR SYMBOL

EXIT 4
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

DURABLE 24 INCH STOP BAR

EXIT 4
SOUTHBOUND OFF RAMP



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

**PAVEMENT
MARKING
DETAIL SHEET 11
EXIT 4 SB**

| | |
|---------------------------------|------------------------------|
| PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| PROJECT NUMBER: | IM SURF (37) |
| FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398pmd11.i | SHEET 22 OF 36 |

EXIT 4 - RAMP A SOUTHBOUND ON RAMP

TEMPORARY 6 INCH YELLOW LINE, PAINT
 EXIT 4
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

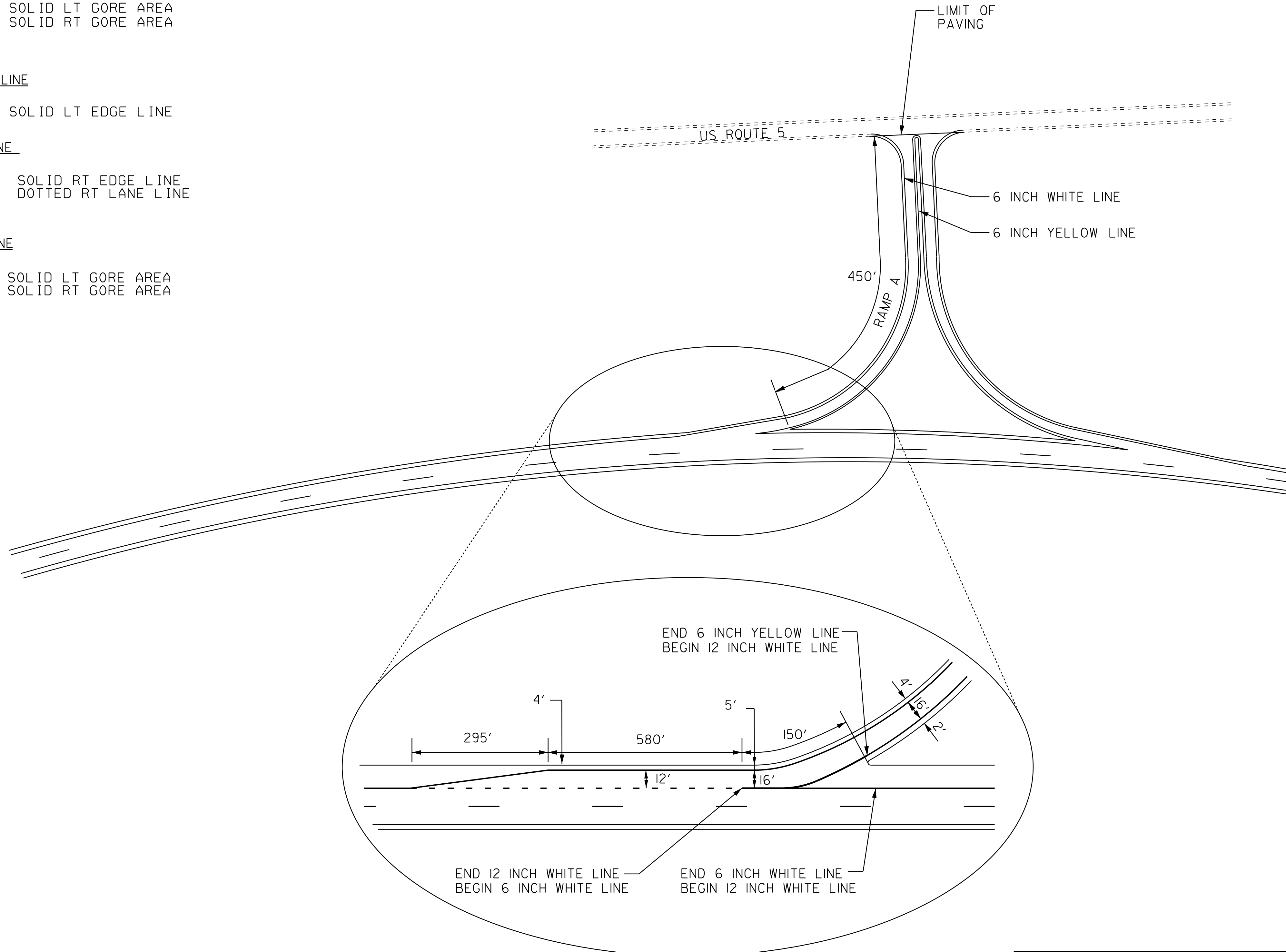
TEMPORARY 6 INCH WHITE LINE, PAINT
 EXIT 4
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 EXIT 4
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

DURABLE 6 INCH YELLOW LINE
 EXIT 4
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 6 INCH WHITE LINE
 EXIT 4
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 12 INCH WHITE LINE
 EXIT 4
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

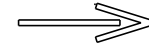
| | | |
|---|---------------------------|------------------------------|
| PAVEMENT MARKING DETAIL SHEET 12 EXIT 4 SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398pmdl2.i | SHEET 23 OF 36 | |

EXIT 5 - RAMP B SOUTHBOUND OFF RAMP

TEMPORARY 6 INCH YELLOW LINE, PAINT
EXIT 5
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE

TEMPORARY 6 INCH WHITE LINE, PAINT
EXIT 5
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
EXIT 5
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

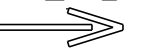
TEMPORARY LETTER OR SYMBOL, PAINT
EXIT 5
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

TEMPORARY 24 INCH STOP BAR, PAINT
EXIT 5
SOUTHBOUND OFF RAMP

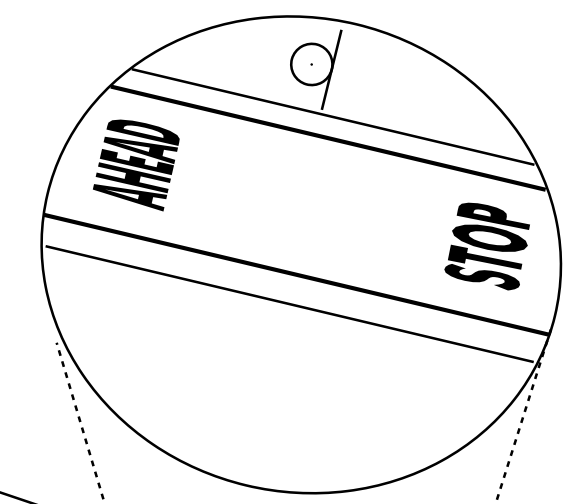
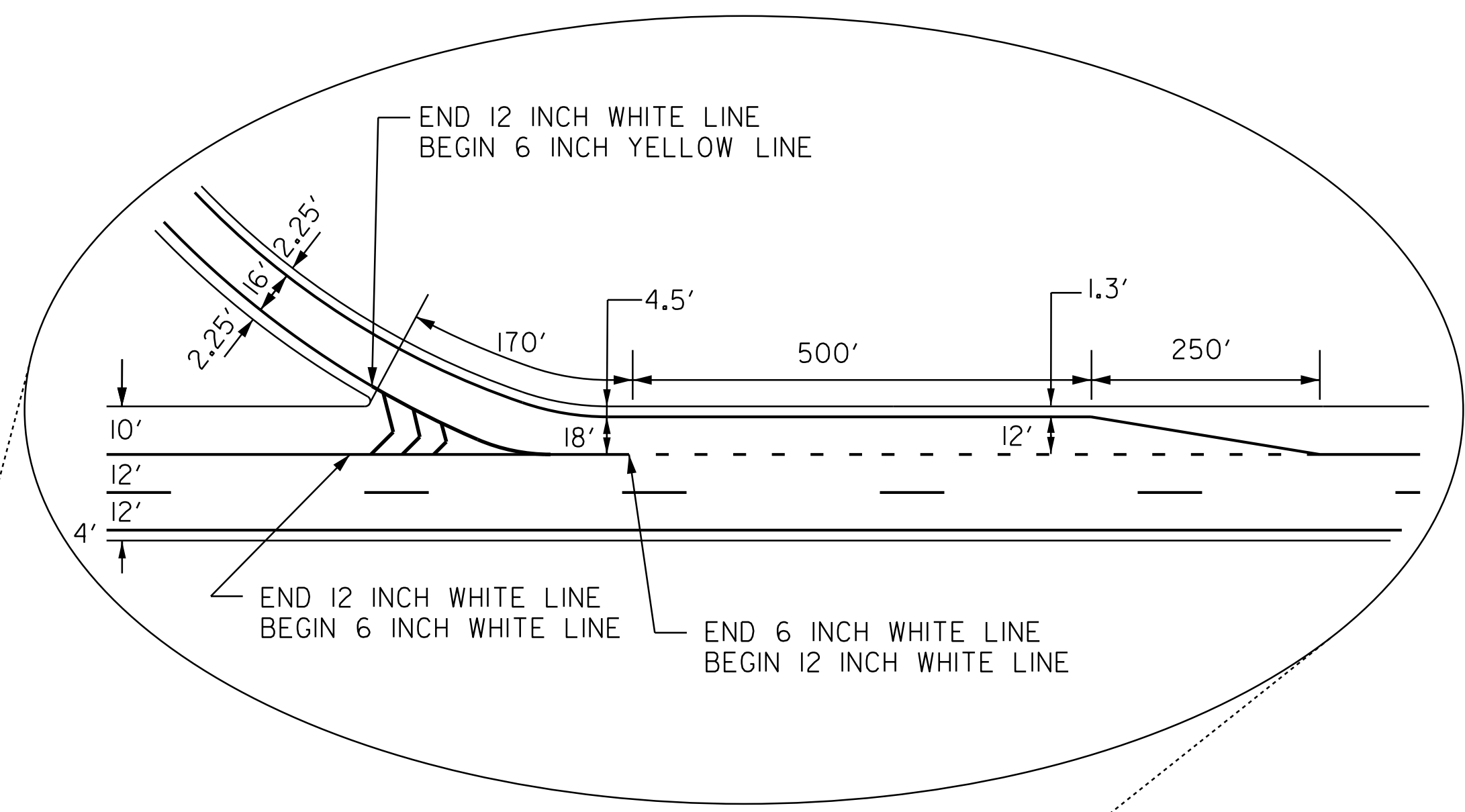
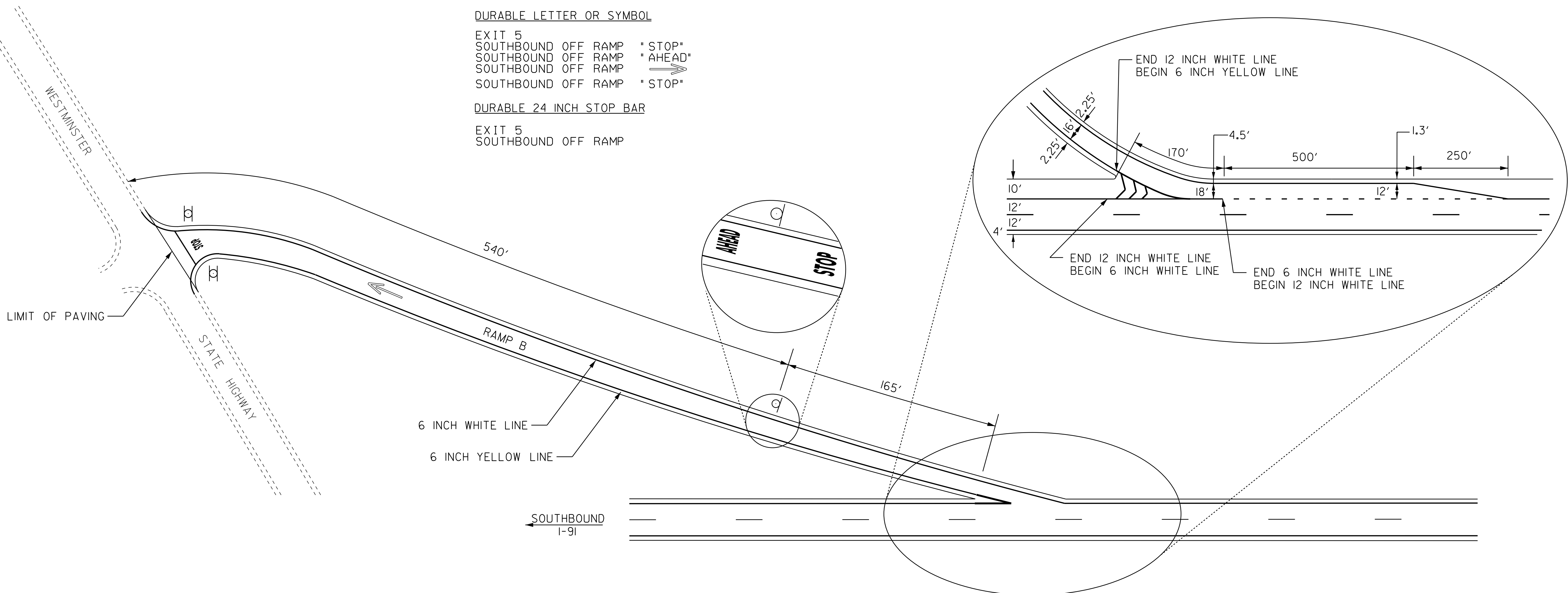
DURABLE 6 INCH YELLOW LINE
EXIT 5
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE

DURABLE 6 INCH WHITE LINE
EXIT 5
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 12 INCH WHITE LINE
EXIT 5
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

DURABLE LETTER OR SYMBOL
EXIT 5
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

DURABLE 24 INCH STOP BAR
EXIT 5
SOUTHBOUND OFF RAMP



NOTES:
1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | |
|---|--|
| PAVEMENT MARKING DETAIL SHEET 13 EXIT 5 SB | PROJECT NAME: BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: IM SURF (37) |
| | FILE NAME: pl2a398.dgn |
| | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398pmdl3.i | SHEET 24 OF 36 |

EXIT 5 - RAMP A SOUTHBOUND ON RAMP

TEMPORARY 6 INCH YELLOW LINE, PAINT

EXIT 5
SOUTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 6 INCH WHITE LINE, PAINT

EXIT 5
SOUTHBOUND ON RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT

EXIT 5
SOUTHBOUND ON RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

DURABLE 6 INCH YELLOW LINE

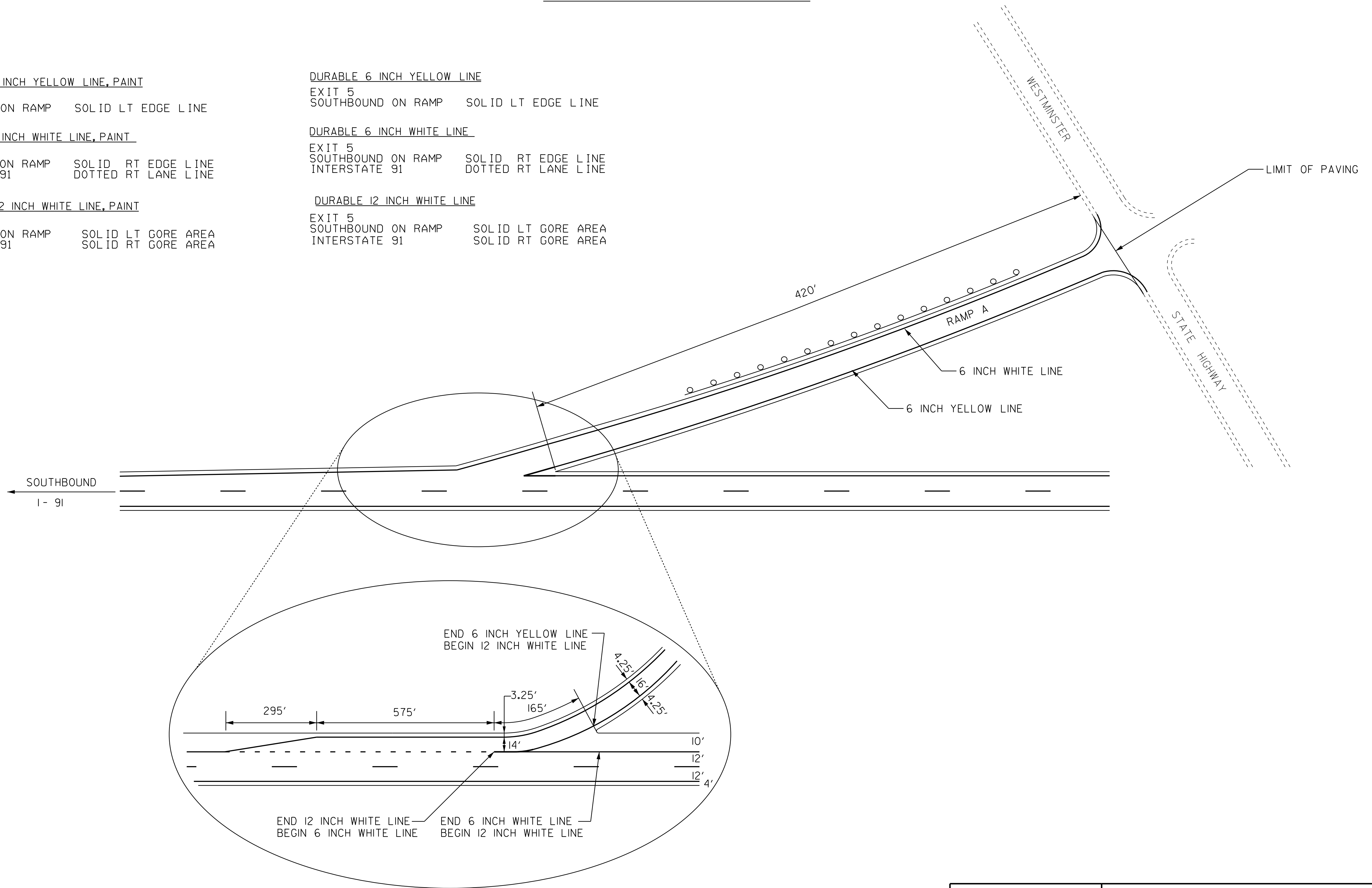
EXIT 5
SOUTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 6 INCH WHITE LINE

EXIT 5
SOUTHBOUND ON RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 12 INCH WHITE LINE

EXIT 5
SOUTHBOUND ON RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

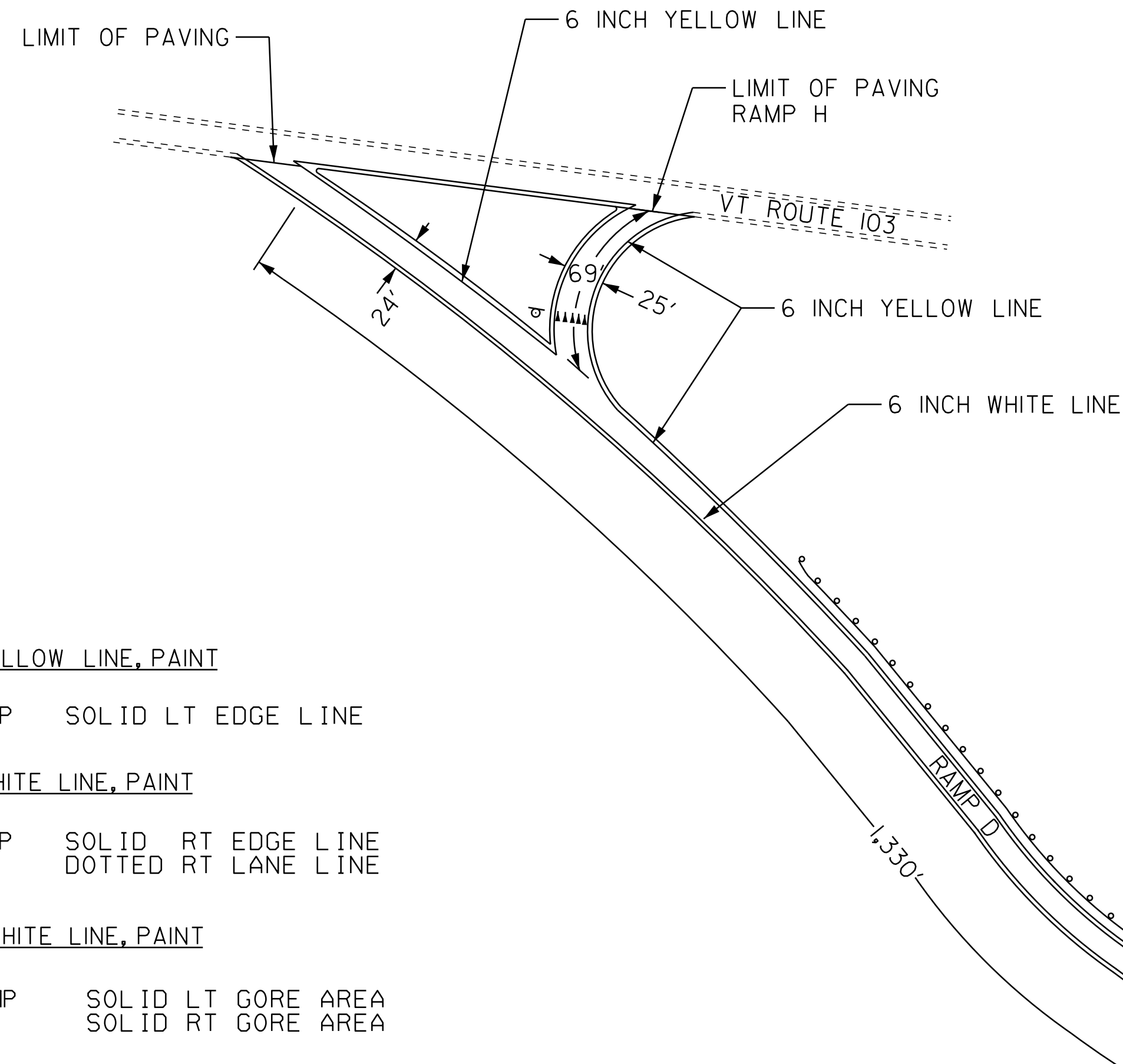


NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | | |
|---|---------------------------|------------------------------|
| PAVEMENT MARKING DETAIL SHEET 14 EXIT 5 SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398pmdl4.1 | SHEET 25 OF 36 | |

EXIT 6 - RAMP D & H SOUTHBOUND ON RAMP



TEMPORARY 6 INCH YELLOW LINE, PAINT
 EXIT 6
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 6 INCH WHITE LINE, PAINT
 EXIT 6
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 EXIT 6
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

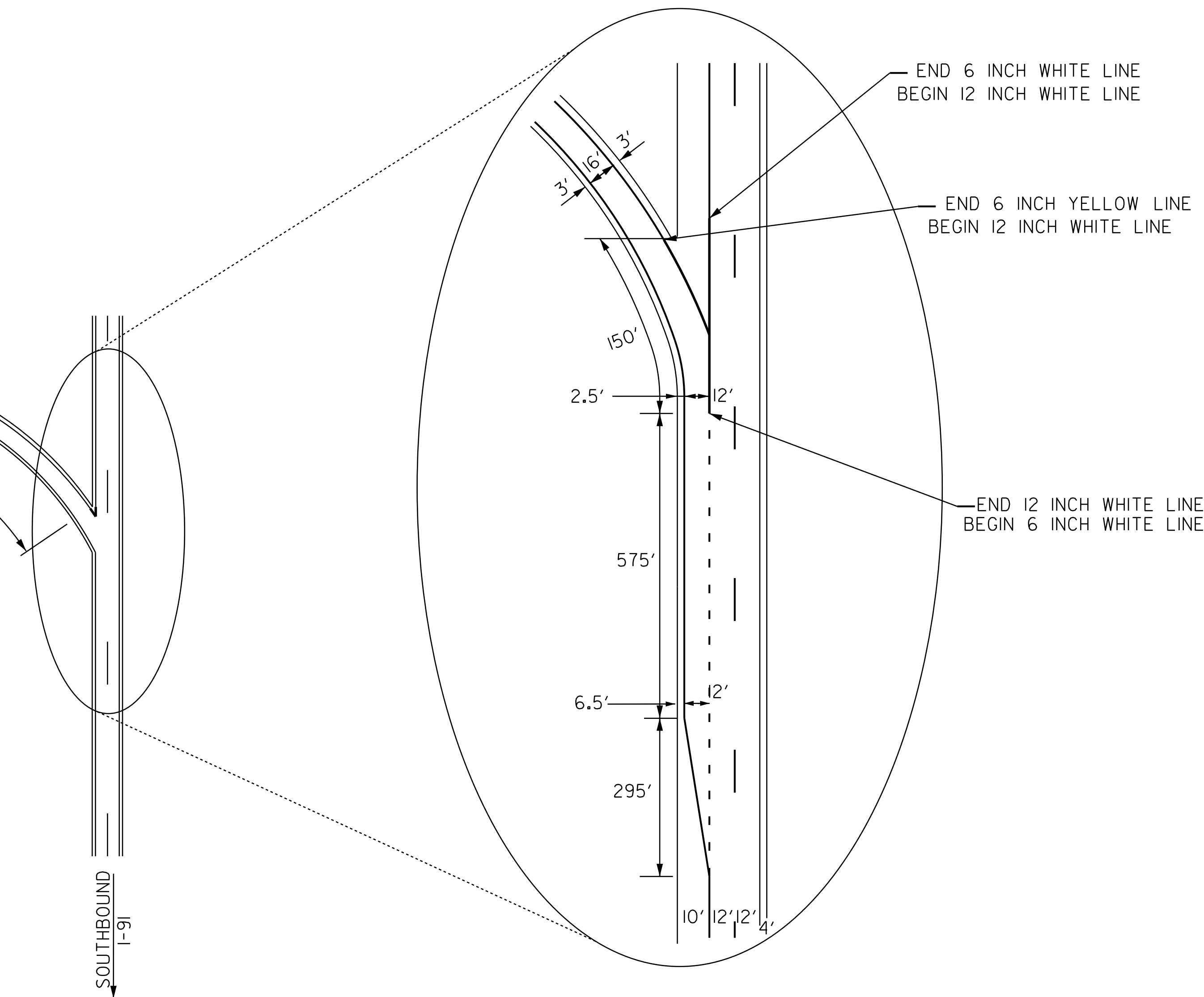
TEMPORARY LETTER OR SYMBOL, PAINT
 EXIT 6
 SOUTHBOUND ON RAMP YIELD TRIANGLES (5 EACH)

DURABLE 6 INCH YELLOW LINE
 EXIT 6
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 6 INCH WHITE LINE
 EXIT 6
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE
 INTERSTATE 91 DOTTED RT LANE LINE

DURABLE 12 INCH WHITE LINE
 EXIT 6
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID RT GORE AREA

DURABLE LETTER OR SYMBOL
 EXIT 6
 SOUTHBOUND ON RAMP YIELD TRIANGLES (5 EACH)



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

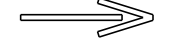
**PAVEMENT
MARKING
DETAIL SHEET 15
EXIT 6 SB**

| | |
|--|------------------------------|
| PROJECT NAME: BRATTLEBORO - ROCKINGHAM | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT NUMBER: IM SURF (37) | DRAWN BY: LOCKE |
| FILE NAME: pl2a398.dgn | CHECKED BY: HARRINGTON |
| PROJECT LEADER: M. FOWLER | SHEET 26 OF 36 |
| DESIGNED BY: LOCKE | |
| IPARM FILE NAME: pl2a398pmd15.1 | |

EXIT 6 - RAMP C & G SOUTHBOUND OFF RAMP

TEMPORARY 6 INCH YELLOW LINE, PAINT
EXIT 6
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE

TEMPORARY 6 INCH WHITE LINE, PAINT
EXIT 6
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

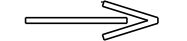
TEMPORARY LETTER OR SYMBOL, PAINT
EXIT 6
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

TEMPORARY 12 INCH WHITE LINE, PAINT
EXIT 6
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

TEMPORARY 24 INCH STOP BAR, PAINT
EXIT 6
SOUTHBOUND OFF RAMP

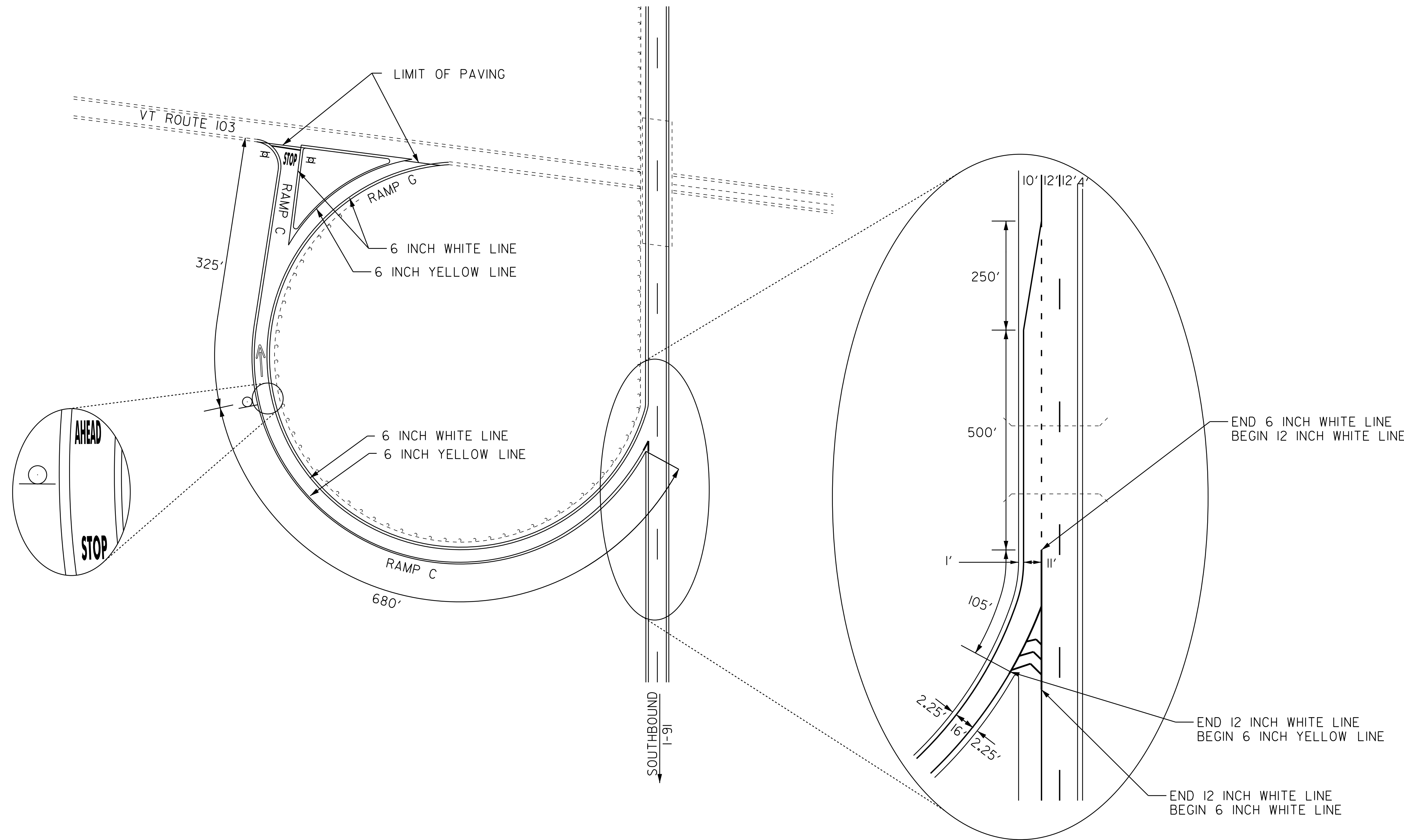
DURABLE 6 INCH YELLOW LINE
EXIT 6
SOUTHBOUND OFF RAMP SOLID LT EDGE LINE

DURABLE 6 INCH WHITE LINE
EXIT 6
SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
INTERSTATE 91 DOTTED RT LANE LINE

DURABLE LETTER OR SYMBOL
EXIT 6
SOUTHBOUND OFF RAMP "STOP"
SOUTHBOUND OFF RAMP "AHEAD"
SOUTHBOUND OFF RAMP 
SOUTHBOUND OFF RAMP "STOP"

DURABLE 12 INCH WHITE LINE
EXIT 6
SOUTHBOUND OFF RAMP SOLID LT GORE AREA
INTERSTATE 91 SOLID RT GORE AREA

DURABLE 24 INCH STOP BAR
EXIT 6
SOUTHBOUND OFF RAMP



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

| | |
|---|--|
| PAVEMENT MARKING DETAIL SHEET 16 EXIT 6 SB | PROJECT NAME: BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: IM SURF (37) |
| | FILE NAME: pl2a398.dgn |
| | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398pmdl6.i | SHEET 27 OF 36 |

PARKING AREA SOUTHBOUND

MM 23.798

TEMPORARY 6 INCH WHITE LINE, PAINT
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE

TEMPORARY 6 INCH YELLOW LINE, PAINT
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA

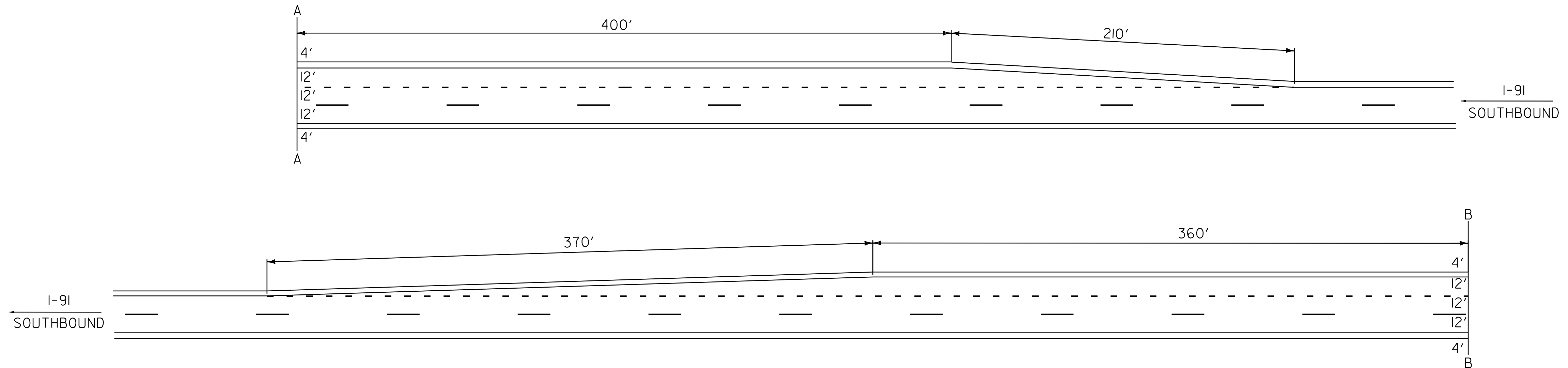
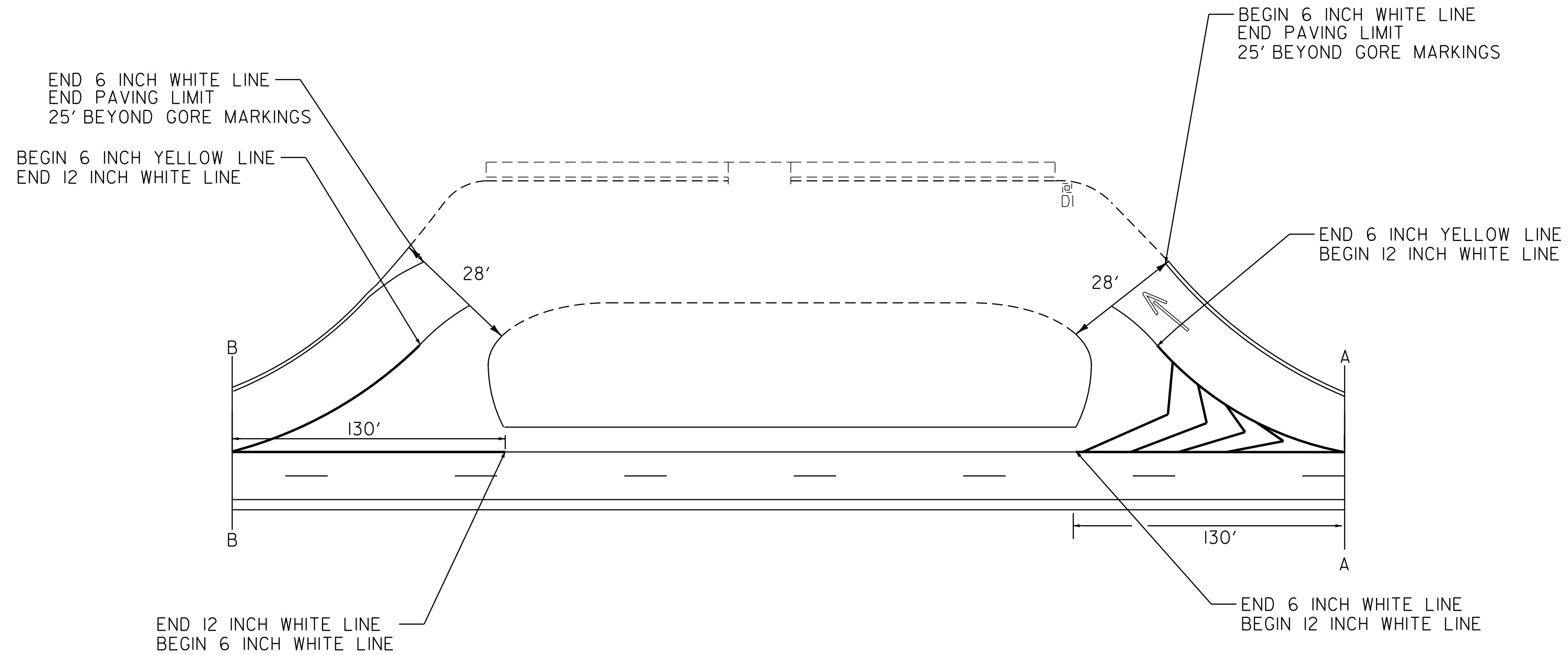
TEMPORARY LETTER OR SYMBOL, PAINT
 PARKING AREA
 SOUTHBOUND OFF RAMP →

DURABLE 6 INCH WHITE LINE
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE

DURABLE 6 INCH YELLOW LINE
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE

DURABLE 12 INCH WHITE LINE
 PARKING AREA
 SOUTHBOUND OFF RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA
 SOUTHBOUND ON RAMP SOLID LT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA

DURABLE LETTER OR SYMBOL
 PARKING AREA
 SOUTHBOUND OFF RAMP →



NOTES:

I. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

**PAVEMENT
MARKING
DETAIL SHEET 17
PARKING AREA SB**

| | |
|--|------------------------------|
| PROJECT NAME: BRATTLEBORO - ROCKINGHAM | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT NUMBER: IM SURF (37) | DRAWN BY: LOCKE |
| FILE NAME: pl2a398.dgn | CHECKED BY: HARRINGTON |
| PROJECT LEADER: M. FOWLER | SHEET 28 OF 36 |
| DESIGNED BY: LOCKE | |
| IPARM FILE NAME: pl2a398pmd17.i | |

WEIGH STATION SOUTHBOUND

MM 21.957

TEMPORARY 6 INCH WHITE LINE, PAINT
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE

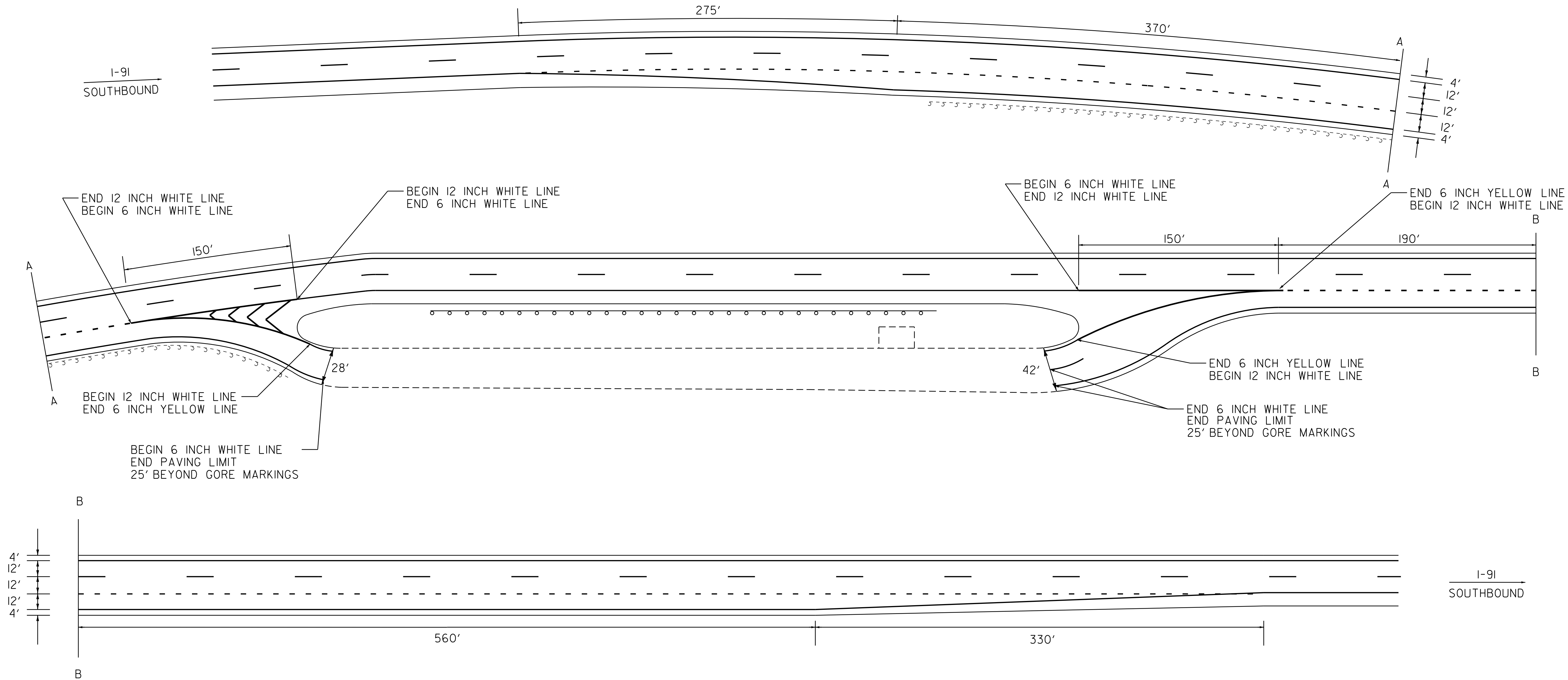
TEMPORARY 6 INCH YELLOW LINE, PAINT
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE

TEMPORARY 12 INCH WHITE LINE, PAINT
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID RT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA
 SOUTHBOUND ON RAMP SOLID RT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA

DURABLE 6 INCH WHITE LINE
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE
 SOUTHBOUND ON RAMP SOLID LT EDGE LINE
 INTERSTATE 91 DOTTED LT LANE LINE

DURABLE 6 INCH YELLOW LINE
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID RT EDGE LINE
 SOUTHBOUND ON RAMP SOLID RT EDGE LINE

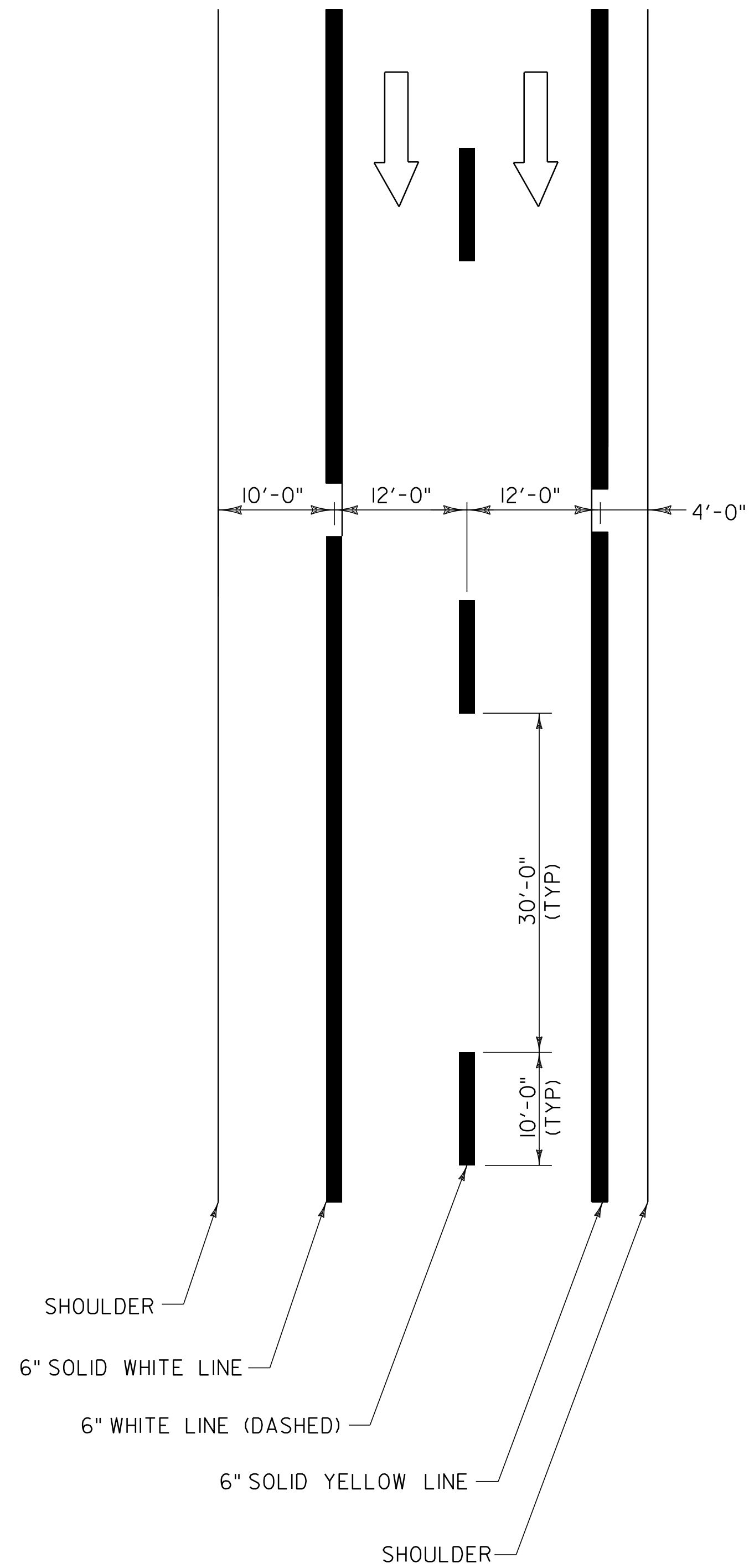
DURABLE 12 INCH WHITE LINE
 WEIGH STATION
 SOUTHBOUND OFF RAMP SOLID RT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA
 SOUTHBOUND ON RAMP SOLID RT GORE AREA
 INTERSTATE 91 SOLID LT GORE AREA



NOTES:

1. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

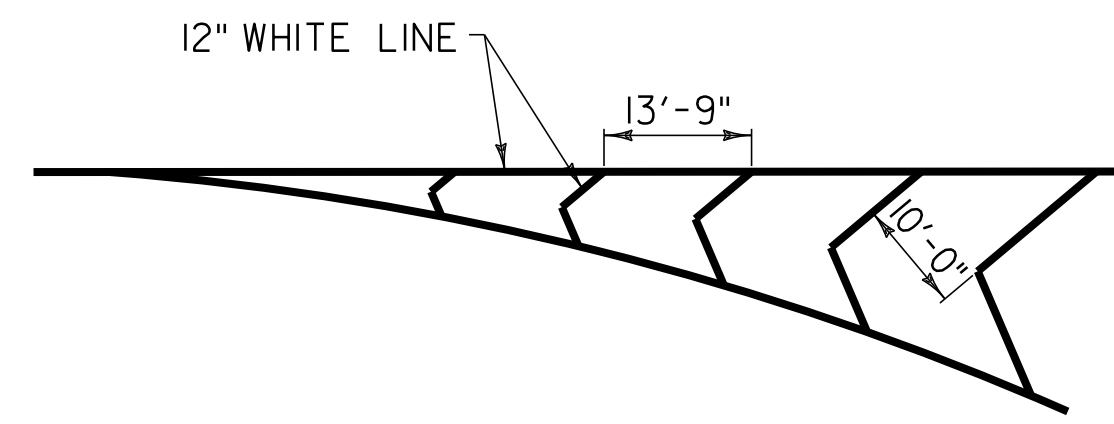
| | | |
|--|-----------------|--------------------------|
| PAVEMENT MARKING DETAIL SHEET 18 WEIGH STATION SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: | pl2a398.dgn |
| | PLOT DATE: | 27-MAR-2014 13:16 |
| PROJECT LEADER: | M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: | LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: | pl2a398pmdl8.i | SHEET 29 OF 36 |



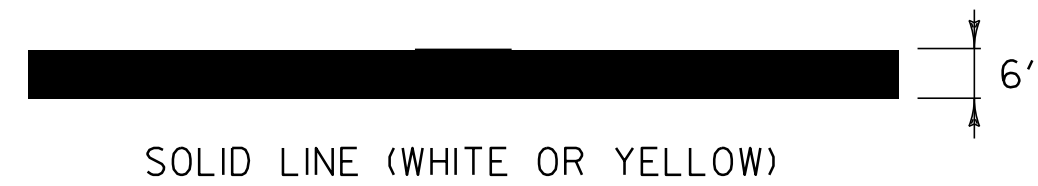
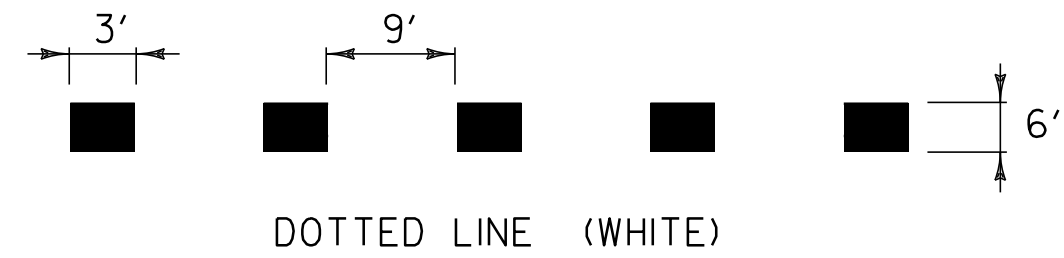
TYPICAL MAINLINE MARKING PLAN
NOT TO SCALE

LEGEND

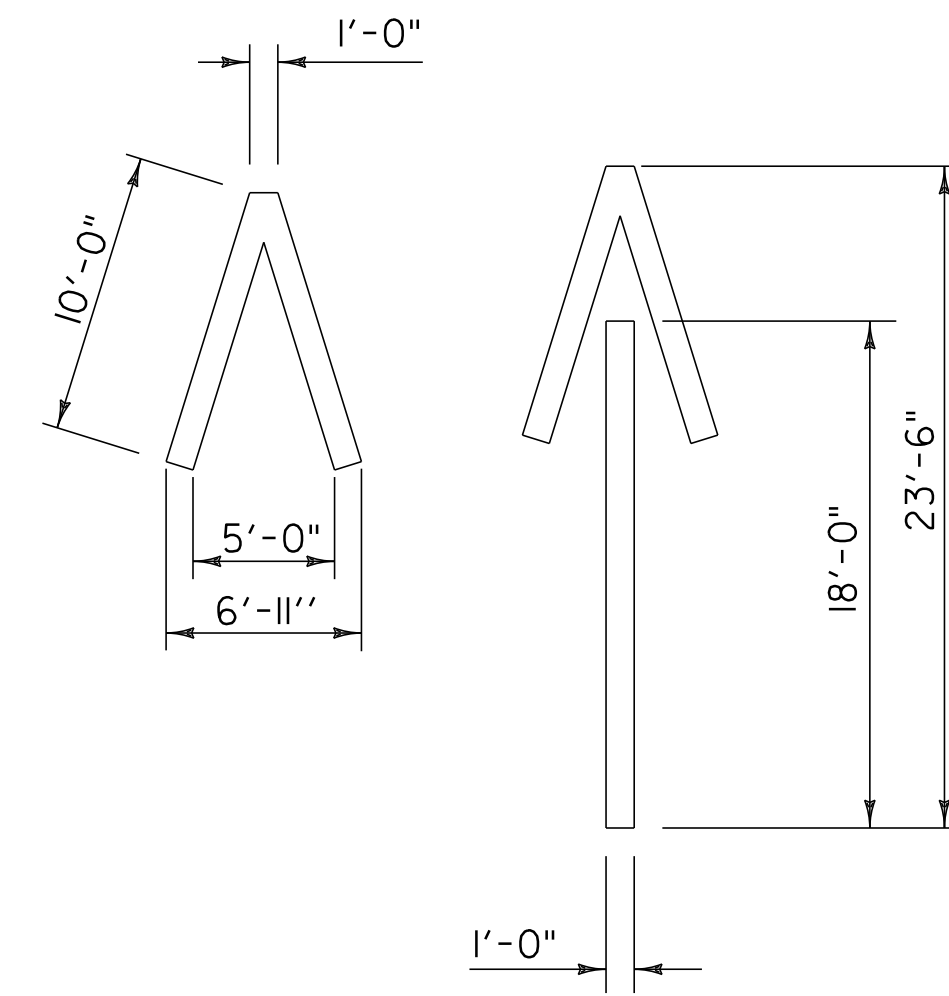
← DIRECTION OF TRAFFIC FLOW



GORE MARKING DETAIL
NOT TO SCALE



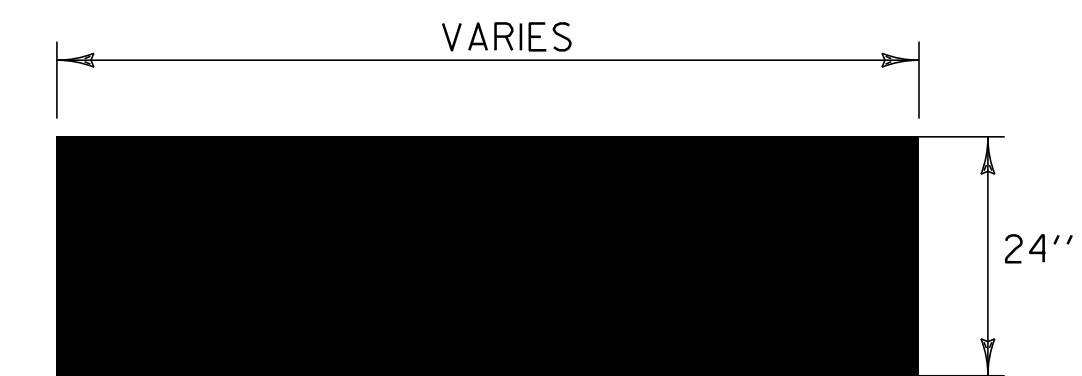
PAVEMENT MARKING LINE DETAILS
NOT TO SCALE



WRONG WAY ARROW

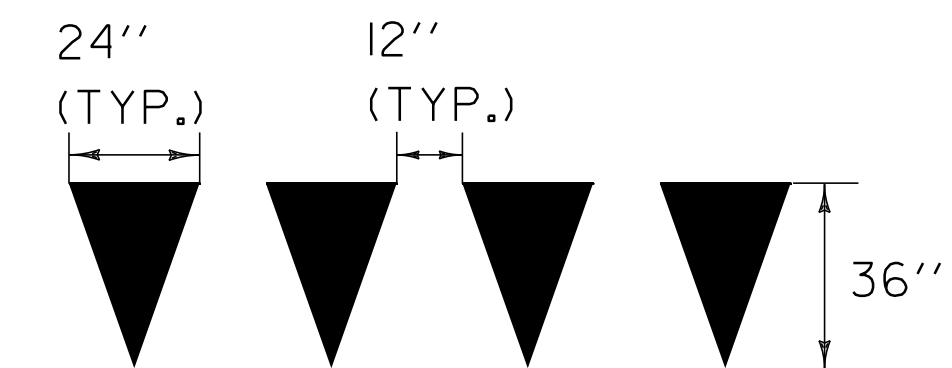
NOT TO SCALE

MARKINGS TO BE PLACED AT EXISTING WRONG WAY SIGN



STOP BAR DETAIL

NOT TO SCALE



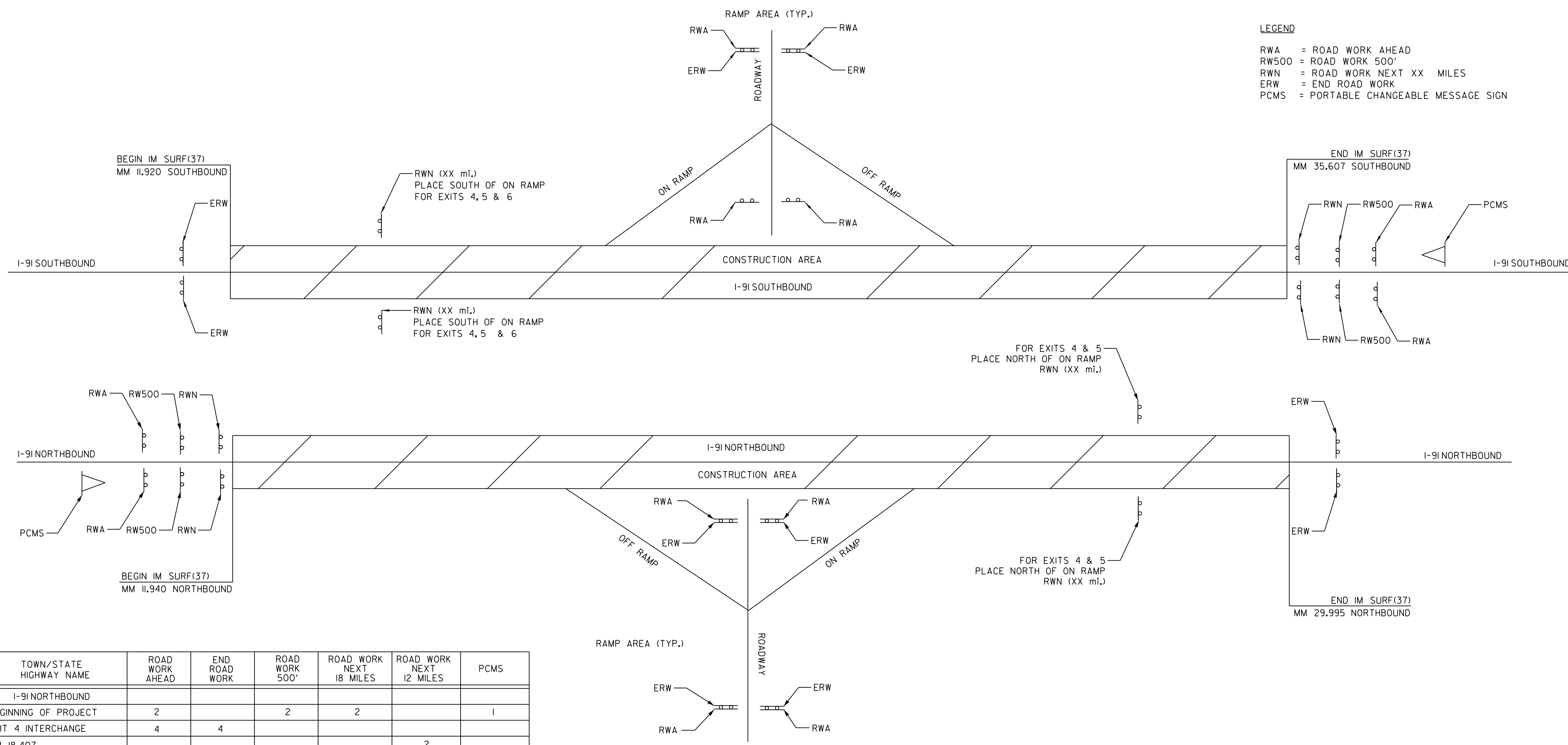
YIELD LINE DETAILS

NOT TO SCALE

TO BE INSTALLED ONLY AT THE DIRECTION OF THE ENGINEER.
TO BE PAID AS ONE LETTER OR SYMBOL PER TRIANGLE.

| | | |
|----------------------------------|---------------------------------|------------------------------|
| PAVEMENT MARKING SHEET 19 | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| | DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| | IPARM FILE NAME: pl2a398pmdl9.1 | SHEET 30 OF 36 |

LEGEND
 RWA = ROAD WORK AHEAD
 RW500 = ROAD WORK 500'
 RWN = ROAD WORK NEXT XX MILES
 ERW = END ROAD WORK
 PCMS = PORTABLE CHANGEABLE MESSAGE SIGN



| TOWN/STATE HIGHWAY NAME | ROAD WORK AHEAD | END ROAD WORK | ROAD WORK 500' | ROAD WORK NEXT 18 MILES | ROAD WORK NEXT 12 MILES | PCMS |
|-------------------------|-----------------|---------------|----------------|-------------------------|-------------------------|----------|
| I-91 NORTHBOUND | | | | | | |
| BEGINNING OF PROJECT | 2 | | 2 | 2 | | 1 |
| EXIT 4 INTERCHANGE | 4 | 4 | | | | |
| MM 18.407 | | | | | 2 | |
| EXIT 5 INTERCHANGE | 4 | 4 | | | | |
| END OF PROJECT | | 2 | | | | |
| TOTAL | 10 | 10 | 2 | 2 | 2 | 1 |

| TOWN/STATE HIGHWAY NAME | ROAD WORK AHEAD | END ROAD WORK | ROAD WORK 500' | ROAD WORK NEXT 24 MILES | ROAD WORK NEXT 23 MILES | ROAD WORK NEXT 16 MILES | ROAD WORK NEXT 6 MILES | PCMS |
|-------------------------|-----------------|---------------|----------------|-------------------------|-------------------------|-------------------------|------------------------|----------|
| I-91 SOUTHBOUND | | | | | | | | |
| BEGINNING OF PROJECT | | 2 | | | | | | 1 |
| MM 17.672 | | | | | | | 2 | |
| EXIT 4 INTERCHANGE | 4 | 2 | | | | | | |
| MM 28.115 | | | | | | 2 | | |
| EXIT 5 INTERCHANGE | 4 | 2 | | | | | | |
| MM 34.842 | | | | | 2 | | | |
| EXIT 6 INTERCHANGE | 4 | 2 | | | | | | |
| END OF PROJECT | 2 | 2 | 2 | 2 | | | | |
| TOTAL | 14 | 10 | 2 | 2 | 2 | 2 | 2 | 1 |

**CONSTRUCTION
 APPROACH
 SIGNING
 SHEET**

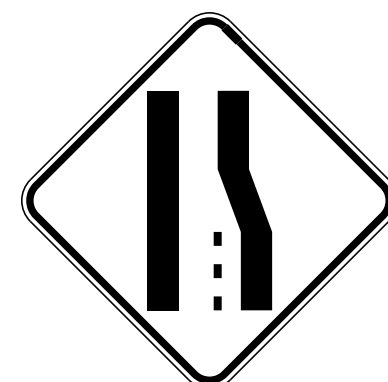
PROJECT NAME: BRATTLEBORO - ROCKINGHAM
 PROJECT NUMBER: IM SURF (37)
 FILE NAME: pl2a398.dgn
 PROJECT LEADER: M. FOWLER
 DESIGNED BY: LOCKE
 IPARM FILE NAME: pl2a398cas.i
 PLOT DATE: 27-MAR-2014 13:16
 DRAWN BY: LOCKE
 CHECKED BY: HARRINGTON
 SHEET 31 OF 36

1. THE CONTRACTOR SHALL SUBMIT A 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 WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, "TRAFFIC CONTROL".
2. THE 2009 MUTCD SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH THE MUTCD.
3. ADDITIONAL RAMP SIGNING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
4. 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 VAOT 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 AND 630.15 - UNIFORMED TRAFFIC OFFICERS AND FLAGGERS
 - 646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
 - 646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
 - 646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
 - 646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 - 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 - 646.76 LINE STRIPING TARGETS
5. 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".

PCMS SHOULD 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.

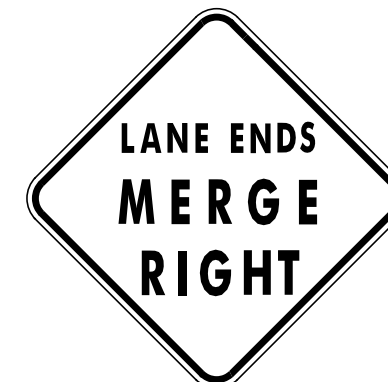
THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
6. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VAOT STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL". ADD G20-5aP "WORK ZONE" PLAQUE AND R2-6aP "FINES DOUBLED" PLAQUE TO SPEED LIMIT SIGNS (SEE FIG. 6F-3 OF MUTCD). OMIT VR-355 "FINES DOUBLED FOR SPEEDING IN WORK ZONE" SIGN.
7. 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 INTERSECTING HIGHWAYS.
8. REFER TO VT. STATE STANDARDS, THE SPECIAL PROVISIONS, AND THE MUTCD FOR TEMPORARY TRAFFIC CONTROL SIGN DIMENSIONS AND COLORS.
9. ON VAOT STANDARD E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2:



W4-2



W9-2

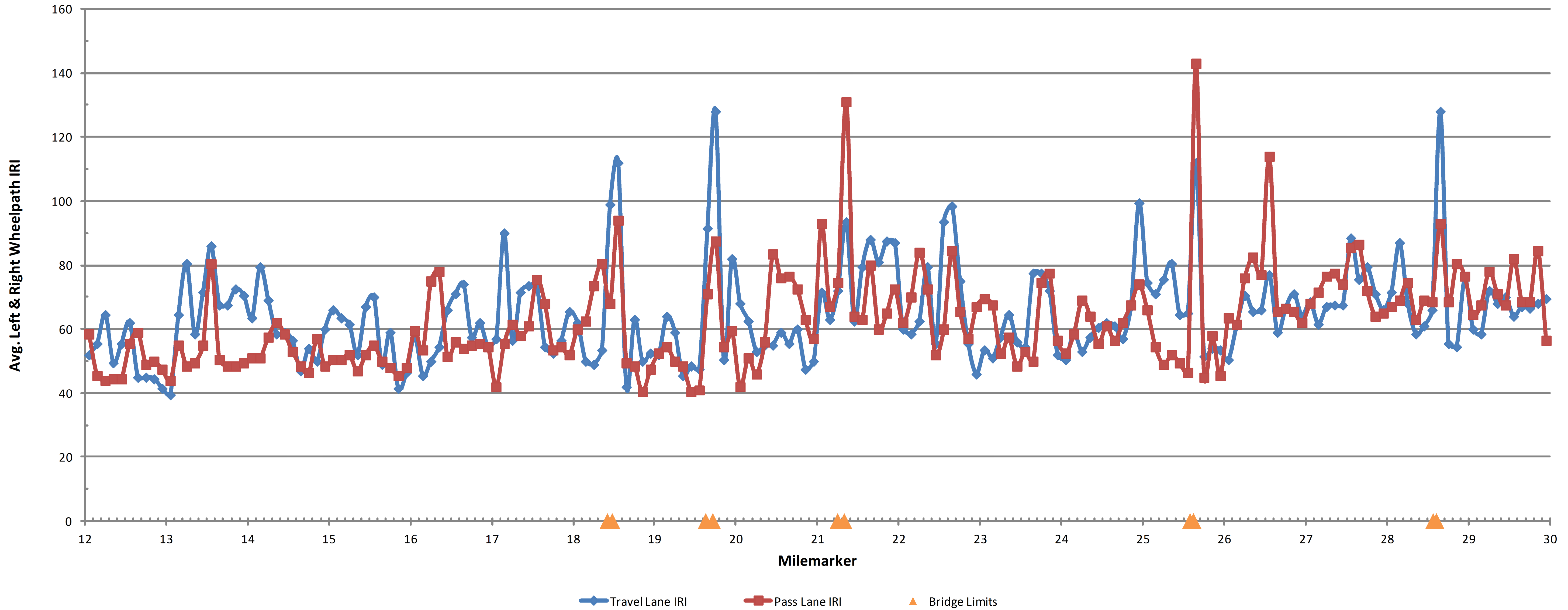


**CONSTRUCTION
APPROACH
SIGNING
SHEET NOTES**

| | |
|--------------------------------|------------------------------|
| PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| PROJECT NUMBER: | IM SURF (37) |
| FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON |
| IPARM FILE NAME: pl2a398casn.i | SHEET 32 OF 36 |

I-91 NB Brattleboro-Westminster IM SURF(37) IRI Profiled 12/6/2012

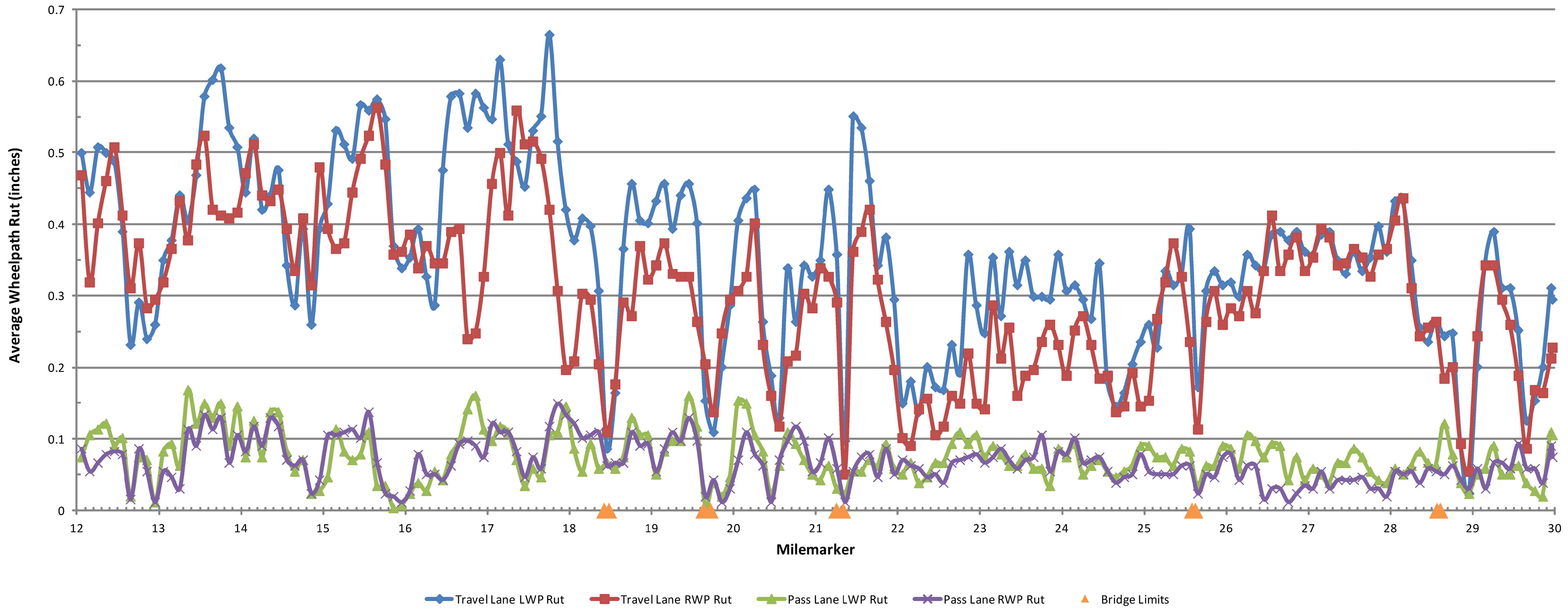
Travel Lane Avg. IRI = 64.7 Pass Lane Avg. IRI = 62.4



FOR INFORMATIONAL PURPOSES ONLY

| | | |
|--|---------------------------|------------------------------|
| ROUGHNESS DATA INFORMATION SHEET NB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398rufnb.i | SHEET 33 OF 36 | |

I-91 NB Brattleboro-Westminster IM SURF(37) Ruts Profiled 12/6/2012

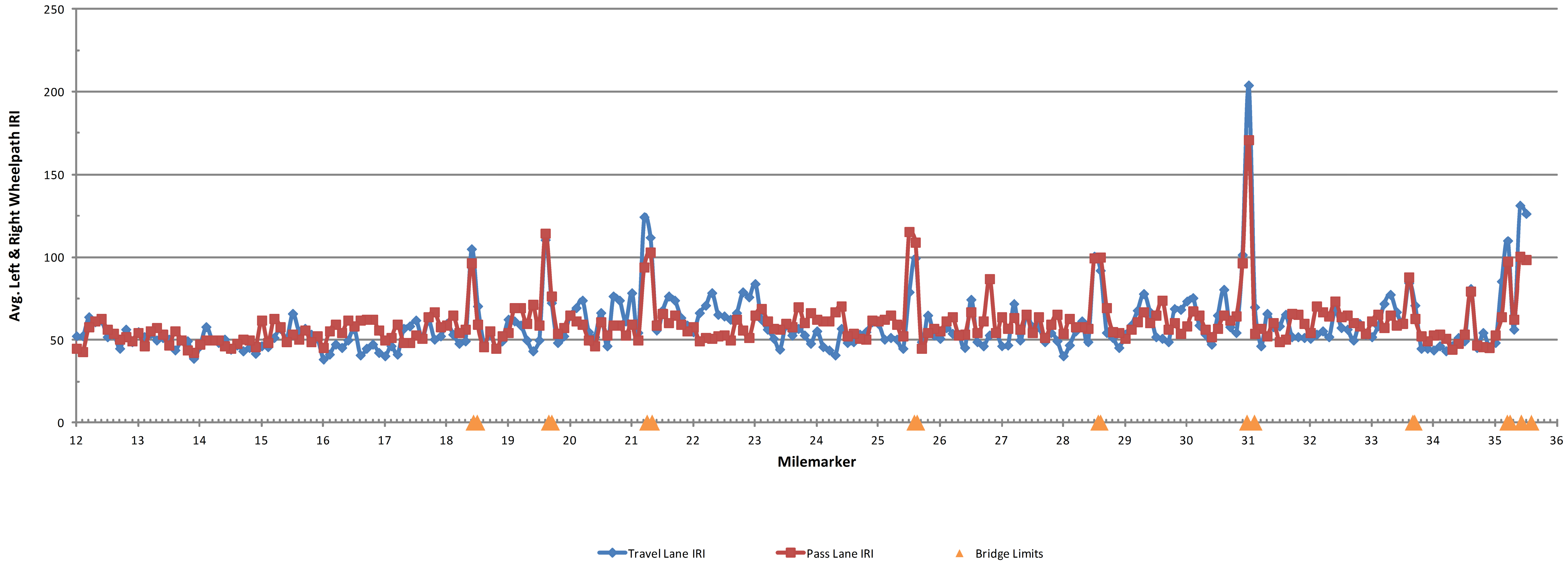


FOR INFORMATIONAL PURPOSES ONLY

| | | |
|--|---------------------------|------------------------------|
| RUTTING DATA INFORMATION SHEET NB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398rutnb.i | SHEET 34 OF 36 | |

I-91 SB Brattleboro-Rockingham IM SURF(37) IRI Profiled 12/6/2012

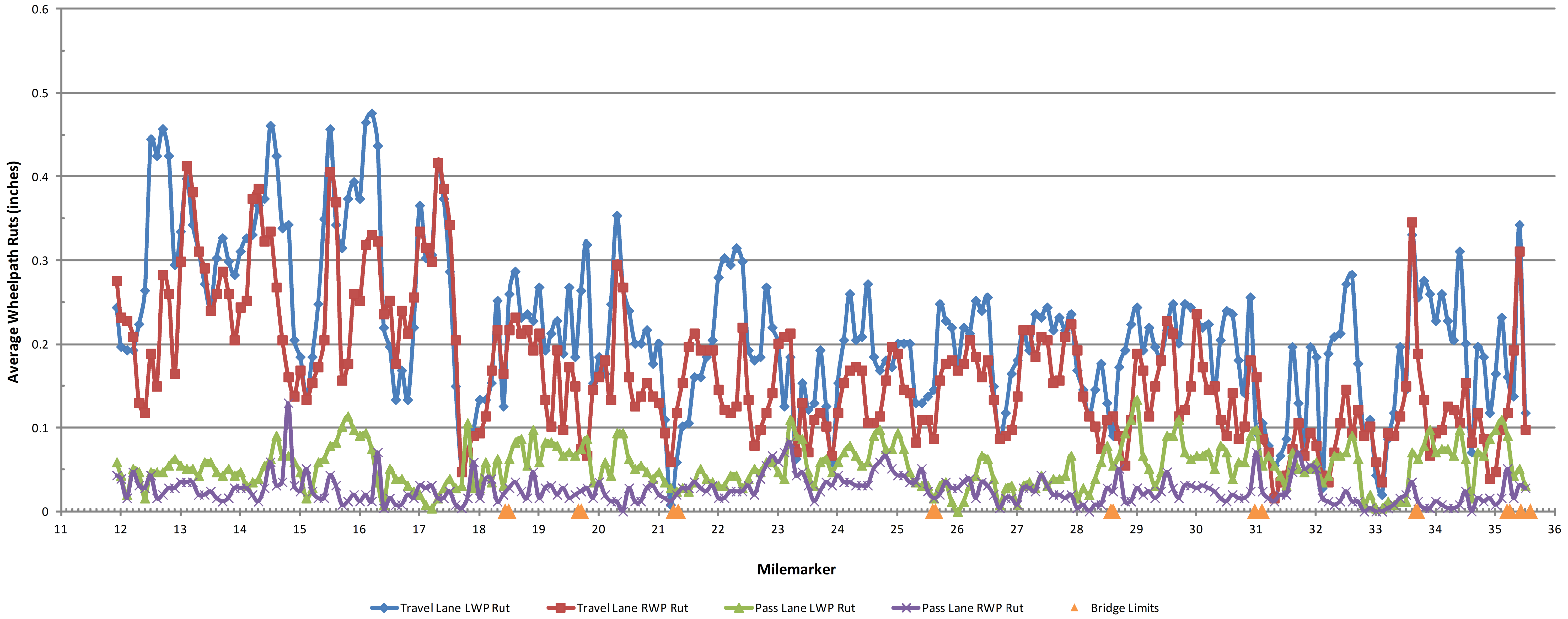
Travel Lane Avg. IRI = 59.1 Pass Lane Avg. IRI = 60.2



FOR INFORMATIONAL PURPOSES ONLY

| | | |
|--|---------------------------|------------------------------|
| ROUGHNESS DATA INFORMATION SHEET SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
| | PROJECT NUMBER: | IM SURF (37) |
| | FILE NAME: pl2a398.dgn | PLOT DATE: 27-MAR-2014 13:16 |
| | PROJECT LEADER: M. FOWLER | DRAWN BY: LOCKE |
| DESIGNED BY: LOCKE | CHECKED BY: HARRINGTON | |
| IPARM FILE NAME: pl2a398rufsb.i | SHEET 35 OF 36 | |

I-91 SB Brattleboro-Rockingham IM SURF(37) Ruts Profiled 12/6/2012



FOR INFORMATIONAL PURPOSES ONLY

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|--|---------------------------|------------------------------|
| RUTTING DATA INFORMATION SHEET SB | PROJECT NAME: | BRATTLEBORO - ROCKINGHAM |
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| IPARM FILE NAME: pl2a398rutsb.i | SHEET 36 OF 36 | |