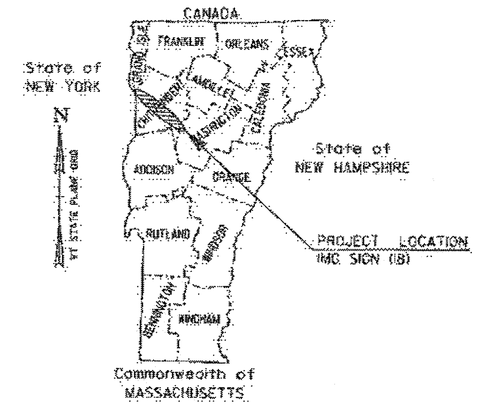
INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF WATERBURY, BOLTON, RICHMOND WILLISTON, SOUTH BURLINGTON & WINOOSKI
COUNTIES OF WASHINGTON & CHITTENDEN

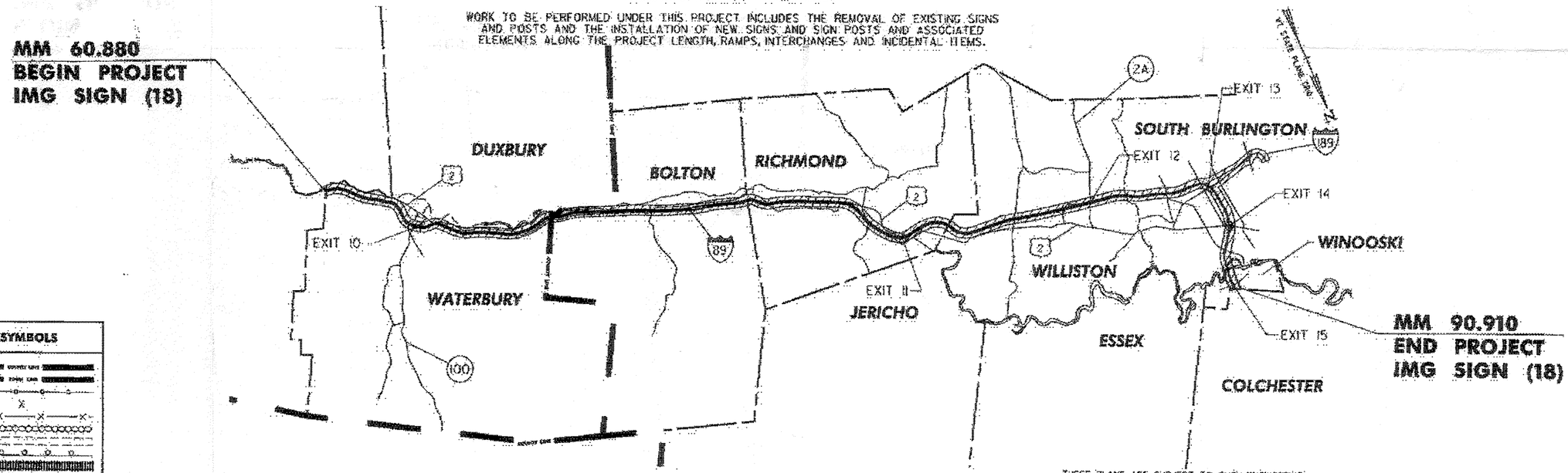
VERMONT INTERSTATE ROUTE 89 AND INTERSTATE ROUTE 189

I-89
BEGINNING AT THE MIDDLESEX - WATERBURY TOWN LINE ON INTERSTATE 89 AT MILE MARKER 60.880 AND EXTENDING NORTHERLY FOR BOTH THE NORTHBOUND AND SOUTHBOUND LANES A DISTANCE OF 30.030 MILES AND ENDING AT THE WINOOSKI- COLCHESTER TOWN LINE AT MILE MARKER 90.910.

I-189
BEGINNING AT THE INTERSECTION WITH US 7 AT MILE MARKER 0.000 AND EXTENDING EASTERLY FOR BOTH THE EASTBOUND AND WESTBOUND LANES A DISTANCE OF 1.488 MILES AND ENDING AT THE I-89 EXIT 13 INTERCHANGE.

LENGTH OF ROADWAY = 31.518 MILES
LENGTH OF PROJECT = 31.518 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SIGNS AND POSTS AND THE INSTALLATION OF NEW SIGNS AND SIGN POSTS AND ASSOCIATED ELEMENTS ALONG THE PROJECT LENGTH, RAMPS, INTERCHANGES AND INCIDENTAL ITEMS.



RECORD PLANS

CONTRACTOR: F. R. LAFAYETTE, INC.- ESSEX JUNCTION, VT
RESIDENT ENGINEER: DAVID F. HALE
CONSTRUCTION BEGAN: MAY 17, 2010
CONSTRUCTION COMPLETE: MAY 17, 2012
RECORD PLANS BY: DAVID F. HALE & JENNA HYDE

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

BY David F. Hale RESIDENT ENGINEER
DATE 1-8-14

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.

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

CLD CONSULTING ENGINEERS INC.
540 Commercial Street • Manchester, NH 03101
(603) 668-8223 • Fax (603) 668-8508
www.cldengineers.com • www.cldengineers.com
Maine • New Hampshire • Vermont

STATE OF VERMONT PROFESSIONAL ENGINEER

2 0 2
SCALE IN MILES

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED [signature] DATE 10-30-09
PROJECT MANAGER : AMY GAMBLE
PROJECT NAME : WATERBURY - WINOOSKI
PROJECT NUMBER : IMG SIGN (18)
SHEET 1 OF 174 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

INDEX OF SHEETS

INDEX OF STANDARD PLANS

STD	DATE	DESCRIPTION
E-100	1/2/2004	CONSTRUCTION APPROACH SIGNS
E-100A	1/2/2004	SIDE ROAD CONSTRUCTION APPROACH SIGNS
E-101	5/30/2003	CONSTRUCTION SIGN DETAILS
E-102	6/30/2003	CONSTRUCTION SIGN DETAILS
E-102A	5/1/2004	CONSTRUCTION SIGN DETAILS
E-103	3/1/2004	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED
E-106	3/1/2004	TRAFFIC CONTROL MISCELLANEOUS DETAILS
E-107	6/30/2003	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY
E-107A	6/8/2009	BREAKAWAY BARRICADE DETAILS
E-110	8/8/1995	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-120	8/8/1995	STANDARD SIGN PLACEMENT - EXPRESSWAY AND FREEWAY
E-121	8/8/1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-123	3/16/2004	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS
E-126	2/1/2000	TYPICAL FREEWAY INTERCHANGE SIGNING
E-127	8/8/1995	ROUTE MARKINGS AT RURAL INTERSECTIONS
E-130	8/8/1995	TYPE "B" GUIDE SIGN ATTACHMENT DETAILS
E-131	8/8/1995	GUIDE SIGN DETAILS
E-132	8/18/1995	GENERAL MOTORIST SERVICE SIGN DETAILS
E-133	8/8/1995	SERVICE SIGN DETAILS
E-135	8/18/1995	INTERSTATE ROUTE MARKER SIGN DETAIL
E-136A	8/8/1995	U.S. ROUTE MARKER SIGN DETAILS
E-136B	8/8/1995	STATE ROUTE MARKER SIGN DETAILS
E-139	5/1/2004	MILEMARKER DETAILS - INTERSTATE
E-141	9/20/1995	REGULATORY SIGN DETAILS
E-142	9/20/1995	REGULATORY SIGN DETAILS
E-143	6/15/2004	REGULATORY SIGN DETAILS
E-144	3/29/1999	REGULATORY SIGN DETAILS
E-145A	12/23/1994	REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS (TWO AND FOUR LANE APPROACHES)
E-145B	12/23/1994	REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS (THREE LANE APPROACHES)
E-146	9/20/1995	REGULATORY SIGN DETAILS
E-150	5/1/2004	WARNING SIGN DETAILS
E-151	5/1/2004	WARNING SIGN DETAILS
E-152	5/1/2004	WARNING SIGN DETAILS
E-153	5/1/2004	WARNING SIGN DETAILS
E-154	5/1/2004	WARNING SIGN DETAILS
E-155	5/1/2004	WARNING SIGN DETAILS
E-161	8/18/1995	W-SHAPED STEEL SIGN POST
E-162	5/20/1999	TUBULAR ALUMINUM SIGN POST
E-163	5/20/1999	TUBULAR STEEL SIGN POST
E-164	6/8/2009	SQUARE STEEL SIGN POST
E-197	4/1/2005	DELINEATOR PLACEMENT TYPICAL
E-199	4/1/2005	FREEWAY-EXPRESSWAY DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL
G-1	1/3/2000	STEEL BEAM GUARDRAIL WITH STEEL POSTS, STEEL BEAM GUARDRAIL WITH WOOD POSTS
G-1d	1/3/2000	STEEL BEAM GUARDRAIL APPROACH AND TRAILING END TERMINAL, ANCHOR FOR STEEL BEAM RAIL, STEEL BEAM MEDIAN BARRIER
G-19	11/15/2002	GENERIC PLANS FOR GUARDRAIL END TERMINALS

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1	TITLE SHEET
2	INDEX OF SHEETS
3	GENERAL NOTES AND MISCELLANEOUS DETAILS
4	DELINEATOR AND MILEPOST DETAILS
5	QUANTITY SHEET
6	INTENTIONALLY LEFT BLANK
7-14	EXISTING SIGNS - MAINLINE
15-26	EXISTING SIGNS - INTERCHANGE/REST AREA
27-34	NEW SIGNS - MAINLINE
35-46	NEW SIGNS - INTERCHANGE/REST AREA
47-58	DELINEATOR LAYOUTS
59-131	TRAFFIC SIGN SUMMARY SHEETS
132-135	INTENTIONALLY LEFT BLANK
136-153	SIGN DETAIL SHEETS
154-159	CROSS SECTION SHEETS
160	OVERHEAD SIGN SUPPORT NOTES
161-168	OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEETS
169-174	TRAFFIC CONTROL DETAILS

INDEX OF SHEETS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018index.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 2 OF 174

MODEL: Index

GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION (VTRANS) STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006, AND ITS LATEST REVISIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2003, AND ITS LATEST REVISIONS AND THE STANDARD HIGHWAY SIGNS BOOK, DATED 2004, AND ITS LATEST REVISIONS.

2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. ALL NEW SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, MUTCD, APPLICABLE VTRANS E-SERIES STANDARDS OR AS DIRECTED BY THE ENGINEER.

3. REFER TO SIGN DETAIL SHEETS FOR GUIDE SIGN CLEARVIEW FONT AND RETROREFLECTIVE SHEETING REQUIREMENTS.

4. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE PLANS, APPLICABLE VTRANS E-SERIES STANDARDS AND PART 6 OF THE MUTCD OR AS DIRECTED BY THE ENGINEER.

5. TEXT LAYOUT DIMENSIONS AND DESIGN OF SYMBOLS FOR STANDARD SIGNS NOT DETAILED ON THESE PLANS OR IN THE E-SERIES STANDARDS CAN BE FOUND IN THE LATEST PUBLICATION OF THE MUTCD STANDARD HIGHWAY SIGNS.

6. THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION AND ENSURE THAT ALL CONSTRUCTION CONDITIONS ARE MET.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THE SOLE COST OF THE CONTRACTOR.

8. THINNING AND TRIMMING MAY BE REQUIRED AT VARIOUS SIGN LOCATIONS THROUGHOUT THE PROJECT. THIS WORK SHALL INCLUDE REMOVAL OF ANY TREES, SHRUBS OR OVERGROWTH NECESSARY FOR PLACEMENT OF SIGNS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID UNDER ITEM 201.31, "THINNING AND TRIMMING FOR SIGNS".

9. ALL NEW 2-INCH SQUARE STEEL SIGN POST SHALL BE 12-GUAGE.

10. THE CONTRACTOR SHALL ERECT NEW POSTS AND MOUNT NEW SIGNS BEHIND EXISTING SIGNS PRIOR TO REMOVING THE OLD SIGN AND POSTS, WHERE APPLICABLE, OR AS DIRECTED BY THE ENGINEER.

11. THE ABBREVIATIONS "OUT" AND "MED" REFER TO LOCATIONS OUTSIDE OF THE NORTHBOUND OR SOUTHBOUND INTERSTATE BARREL OR IN THE MEDIAN, RESPECTIVELY. ANY REFERENCE TO "LEFT" AND/OR "RIGHT" REFERS TO THE DIRECTION OF STATIONING AND NOT THE DIRECTION OF TRAFFIC.

12. DELINEATORS: NEW MAINLINE DELINEATORS WITH OR WITHOUT MILEPOST PLAQUES ARE NOT SHOWN ON THE PLANS. REFER TO STANDARD E-197 AND DETAILS ON NEXT SHEET FOR GENERAL PLACEMENT AND SPACING CRITERIA. AN ESTIMATED QUANTITY OF DELINEATORS W/STEEL POSTS AND REMOVAL OF EXISTING DELINEATORS HAS BEEN INCLUDED. POSTS FOR DELINEATORS TO BE REMOVED SHALL NOT BE CUT BUT SHALL BE COMPLETELY REMOVED FROM THE GROUND.

13. PROPOSED RAMP MILE MARKER PLAQUES FOR THE INTERSTATE HIGHWAYS ARE DEPICTED ON THE DELINEATOR LAYOUTS. REFER TO THE SIGN DETAIL SHEETS FOR THE PLAQUE DETAIL AND A LIST OF PROPOSED LOCATIONS. EXISTING MILEMARKERS ON NON-INTERSTATE HIGHWAYS ARE TO BE SALVAGED AND INSTALLED ON POSTS FOR NEW SIGNS OR RETAINED IF ON SEPARATE POSTS OR AS DIRECTED BY THE ENGINEER. NOT ALL EXISTING MILEMARKER LOCATIONS ARE DEPICTED ON THE PLANS. PAYMENT FOR ATTACHING TO NEW POSTS WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE SIGN POST PAY ITEM IN THE CONTRACT.

14. ALL STATIONING ALONG RAMPS AND STATE/TOWN HIGHWAYS IN MILES ARE APPROXIMATE ONLY. REFER TO STANDARD SHEETS FOR APPROPRIATE SIGN PLACEMENT GUIDELINES.

15. PROPOSED BRIDGE PLAQUES ARE NOT DEPICTED ON THE PLANS. REFER TO THE SIGN DETAIL SHEETS FOR THE BRIDGE PLAQUE DETAIL AND A LIST OF PROPOSED LOCATIONS.

SEEDING FORMULA - RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

SEEDING NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

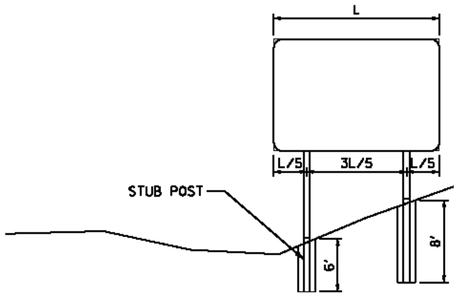
SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH: TO BE PLACED ON THE EARTH SLPOES AT THE RATE OF 2 TONS/ACRE, OR AS DIREDTED BY THE RESIDENT ENGINEER.

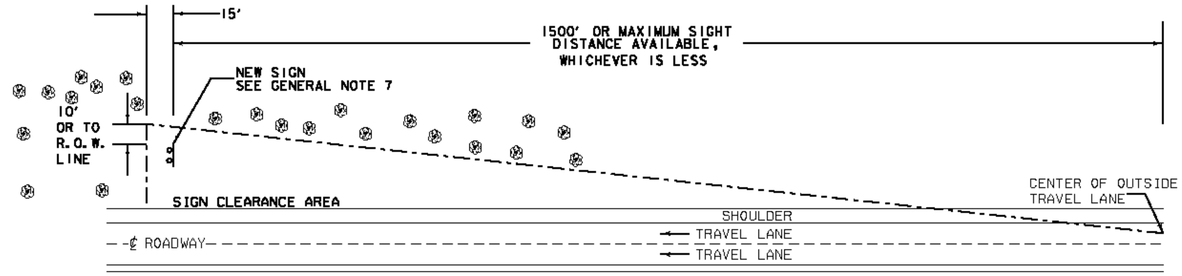
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.



W-SHAPE FOOTING DETAIL

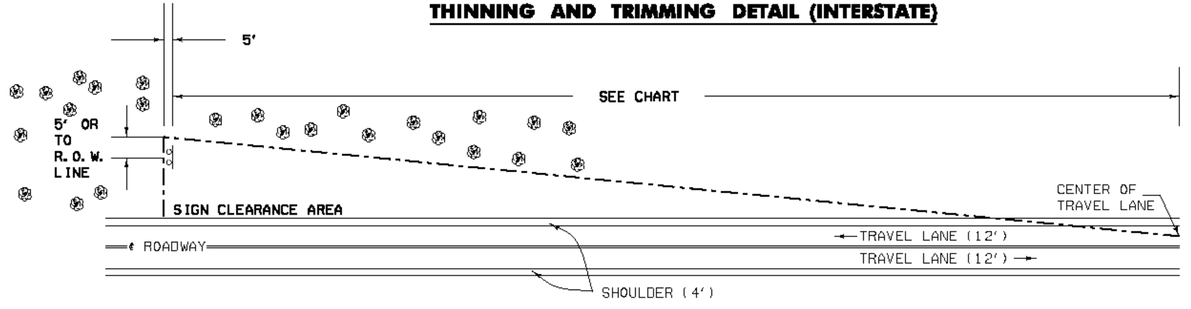
NOTES

1. THE LONGER CONCRETE FOOTINGS SHALL BE USED AT POST LOCATIONS ON STEEP SIDE SLOPES AS IDENTIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. FORMS/TUBES FOR THE LONGER CONCRETE FOOTINGS SHALL BE SMOOTH. CORRUGATED PIPE SHALL NOT BE USED.
3. REFER TO VTRANS STANDARD E-161 FOR ADDITIONAL NOTES AND DETAILS REGARDING CONCRETE FOOTINGS.
4. PAYMENT FOR THE LONGER CONCRETE FOOTINGS SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER OR 900.620 SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 30 INCH DIAMETER)



THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS, TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL OR AT LEAST 10'-0" BELOW THE BOTTOM OF THE SIGN, WHICH EVER IS LESS. PAYMENT WILL BE FOR ITEM 201.31 THINNING AND TRIMMING FOR SIGNS AND PAID FOR PER EACH SIGN ASSEMBLY LOCATION.

THINNING AND TRIMMING DETAIL (INTERSTATE)



THINNING AND TRIMMING DETAIL

(CONVENTIONAL ROADS)

MINIMUM SIGN SIGHT DISTANCE CHART

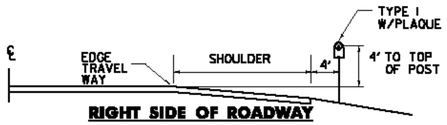
APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

GENERAL NOTES & MISCELLANEOUS DETAILS

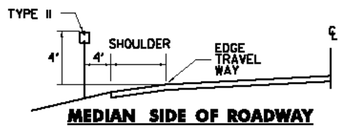
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090188mscdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 11/4/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 3 OF 174

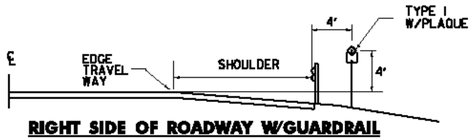
MODEL: GeneralNotes



RIGHT SIDE OF ROADWAY



MEDIAN SIDE OF ROADWAY



RIGHT SIDE OF ROADWAY W/GUARDRAIL

TYPICAL PLACEMENT OF DELINEATORS AND MILEPOSTS ON DIVIDED HIGHWAY

TYPE I DELINEATORS WITH WHITE REFLECTOR UNITS AND APPROPRIATE MILEPOST PLAQUES SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE IN THE DIRECTION OF TRAVEL OF THE DIVIDED HIGHWAY BETWEEN MILE MARKERS AT 0.05 MILE INTERVALS.

TYPE I DELINEATORS WITH OR WITHOUT MILEPOST PLAQUES SHALL BE OMITTED ALONG DECELERATION AND ACCELERATION LANES, BUT THE SUCCEEDING SPACING SHALL BE AS IF THE DELINEATORS HAD BEEN ERECTED CONTINUOUSLY.

THE LOCATION OF TYPE I DELINEATORS AND MILEPOSTS ARE TO BE COMPUTED AND MARKED IN THE FIELD BY THE ENGINEER IN ACCORDANCE WITH THE LATEST REVISION OF THE AGENCY'S "POLICY ON LOCATION MARKING FOR VERMONT DIVIDED HIGHWAYS."

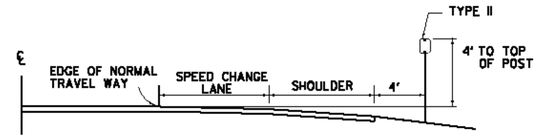
YELLOW TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE LEFT (MEDIAN) SIDE OF THE DIVIDED HIGHWAY AT 0.05 MILE INTERVALS AND CONTINUED AT APPROXIMATELY THE SAME SPACING THROUGH INTERCHANGES AND REST AREAS WHERE THERE MAY NOT BE ANY TYPE I DELINEATORS ON THE RIGHT SIDE. PLACEMENT OF TYPE II DELINEATORS SHALL BE FOLLOWED ON THE LEFT AS ON THE RIGHT.

TYPE I DELINEATORS WITHOUT PLAQUE SHALL BE ERECTED AT THE BEGINNING (BLUE) AND AT THE END (GREEN) OF EACH GUARDRAIL RUN.

TYPE III DELINEATORS

TYPE III DELINEATORS WILL BE TYPE I DELINEATORS WITH AN ADDITIONAL RED REFLECTIVE UNIT MOUNTED ON THE REVERSE SIDE. THEY SHALL BE ERECTED ON THE RIGHT AND LEFT SIDE OF THE RAMPS AS SHOWN ON THE PLANS.

TYPE III DELINEATORS SHALL BEGIN 50'-0" FROM THE WRONG WAY SIGNS AND EXTEND EVERY 50'-0" TO A POINT NOT LESS THAN 25'-0" FROM THE INTERSECTING ROAD. SEE STANDARD E-197.

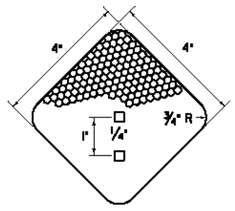


TYPICAL PLACEMENT OF TYPE II DELINEATORS ON SPEED CHANGE LANES

TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF THE DECELERATION AND ACCELERATION LANES AT 100' INTERVALS INCLUDING GUARDRAIL SECTIONS. THE DELINEATORS SHALL START AT THE BEGINNING OF THE TAPER AND END AT THE NOSE OF THE EXIT OR ENTRANCE GORE. THEY SHALL HAVE WHITE REFLECTOR UNITS.

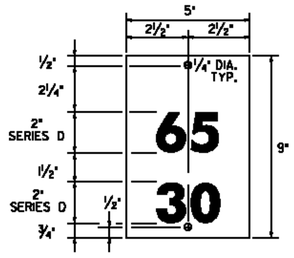
NOTES

1. REFER TO STANDARD E-197 FOR DELINEATOR PLACEMENT DETAILS. WHERE DISCREPANCIES EXIST BETWEEN E-197 AND THIS SHEET, THE DETAILS ON THIS SHEET SHALL GOVERN.
2. FOR MOUNTING DELINEATORS AND MILEPOSTS ON BRIDGES, SEE STANDARD E-199
3. DELINEATOR POSTS SHALL BE 1.75" I.88 LB/FT SQUARE STEEL, AND A MINIMUM OF 8 FEET LONG.
4. DELINEATOR POSTS SHALL HAVE A MINIMUM EMBEDMENT OF 2'-6" IN THE GROUND.
5. WHEN USING DELINEATORS AND MILEPOSTS ON STEEP SLOPES (ON 2 OR STEEPER) OR ERODED SOILS ADD ONE FOOT FOR GREATER STABILITY.



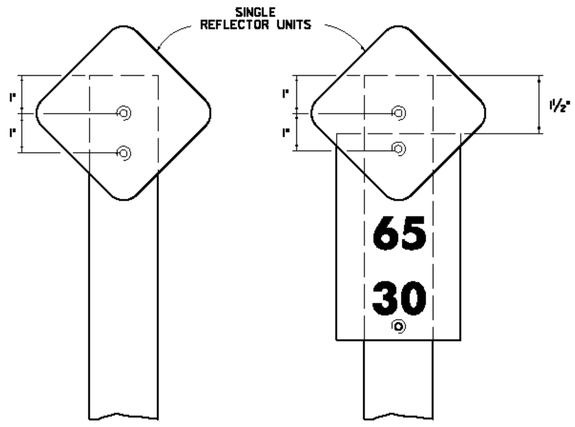
DELINEATOR REFLECTIVE SHEETING UNIT

MATERIAL FOR DELINEATORS:
- ⅛" ALUMINUM BACKING.
- WHITE/BLUE/GREEN: ASTM TYPE III RETROREFLECTIVE SHEETING.
- RED/YELLOW: ASTM TYPE VII, VIII, OR IX RETROREFLECTIVE SHEETING.



MILEPOST PLAQUE

MATERIAL FOR RETROREFLECTIVE SHEETING FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH ASTM TYPE III RETROREFLECTIVE SHEETING GREEN LEGEND ON A WHITE BACKGROUND.



TYPE I WITHOUT PLAQUE

TO BE USED ALONG RAMPS

TYPE I WITH PLAQUE

TO BE USED ALONG MAINLINE

TYPE II

TO BE USED ALONG MAINLINE

DELINEATORS WITH RETROREFLECTIVE SHEETING

DELINEATOR AND MILEPOST DETAILS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018mlscdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 4 OF 174

MODEL: Delin and Mile Details

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES			TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
36			36		EACH	THINNING AND TRIMMING FOR SIGNS	201.31	EST.			
1			1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-			
1000			1000		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	2.1			
3			3		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-			
113			113		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	0.5			
875			875		HR	UNIFORMED TRAFFIC OFFICERS	630.10	8			
175			175		HR	FLAGGERS	630.15	2			
		1	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-			
1			1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
1			1		LS	TRAFFIC CONTROL	641.10	-			
1			1		LS	PUBLIC RELATIONS OFFICER	641.12	-			
4			4		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
2			2		EACH	PORTABLE ARROW BOARD	641.16	-			
	7		7		LB	SEED	651.15	-			
	70		70		LB	FERTILIZER	651.18	8			
	1		1		TON	AGRICULTURAL LIMESTONE	651.20	0.7			
	1		1		TON	HAY MULCH	651.25	0.7			
	70		70		CY	TOPSOIL	651.35	3			
8096			8096		SF	TRAFFIC SIGNS, TYPE A	675.20	0.84			
13528			13528		SF	TRAFFIC SIGNS, TYPE B	675.21	0.5			
41040			41040		LB	W-SHAPE STEEL SIGN POST	675.31	-			
3934			3934		LB	TUBULAR ALUMINUM SIGN POST	675.32	0.8			
37493			37493		LB	TUBULAR STEEL SIGN POST	675.33	0.9			
9779			9779		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	0.4			
87			87		EACH	FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER	675.41	-			
2			2		EACH	FOUNDATION FOR W-SHAPE STEEL POST, 30 INCH DIAMETER	675.42	-			
327			327		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-			
1151			1151		EACH	REMOVING SIGNS (TYPE A)	675.50	-			
125			125		EACH	REMOVING SIGNS (TYPE B)	675.50	-			
18			18		EACH	ERECTING SALVAGED SIGNS	675.60	-			
3225			3225		EACH	DELINEATOR WITH STEEL POST	676.10	EST.			
2700			2700		EACH	REMOVAL OF EXISTING DELINEATOR	676.12	EST.			
7			7		EACH	OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	677.13	-			
1			1		EACH	REMOVE AND RESET OVERHEAD TRAFFIC SIGN SUPPORT	677.25	-			
12			12		EACH	SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER)	900.620				
2			2		EACH	SPECIAL PROVISION (FOUNDATION FOR W-SHAPE STEEL POST, 30 INCH DIAMETER)	900.620				

QUANTITY SHEET

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090181quantity sheet.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 11/4/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 5 OF 174

MODEL: Default

BEGIN PROJECT
IMG SIGN (18)
(MM 60.880)

REMOVING SIGNS
NB- TYPE A: 17
TYPE B: 5
BRIDGE PLAQUE: 4
SB- TYPE A: 9
TYPE B: 2
BRIDGE PLAQUE: 4

MM 61.900

MILE 61 — 61.012 SB
BRIDGE 45-5 I-89

MIDDLESEX
WATERBURY

61.330 NB

61.341 SB

MATCH LINE SEE BELOW

61.021 NB
MILE 61 RET
BRIDGE 45-5 I-89

63.393 SB
63.300 SB SPEED LIMIT 65 MINIMUM SPEED 40
63.180 SB BUCKLE UP IT'S THE LAW
GROOVED SHOULDER

61.930 SB MILE 62
BRIDGE 45-7 I-89

62.417 SB
BRIDGE 45-8 I-89

62.861 SB MILE 63
BRIDGE 45-8 I-89

63.038 SB
Middlesex 8km
Montpelier 18km

MM 61.900

MM 64.070

INTERCHANGE 10
SEE SHEET 15

MATCH LINE SEE ABOVE

62.649 NB

62.655 SB

UNDERPASS TH 2 & BROOK

OVERPASS VT 100

MATCH LINE SEE NEXT SHEET

61.950 NB
BRIDGE 45-7 I-89
MILE 62

62.165 NB
EXIT 10
100 TO 2
Waterbury
Stowe
1 MILE
NEXT EXIT 15 MILES

62.429 NB
BRIDGE 45-8 I-89

62.519 NB
Bolton
NEXT RIGHT

62.352 NB
CMS
(PORTABLE)
RET

WRONG WAY
B-B

62.827 NB
EXIT 10
100 TO 2
Waterbury
Stowe
1/2 MILE

62.859 NB
BRIDGE 45-9 I-89

MILE 63

63.115 NB
MOOSE CROSSING
NEXT 15 MILES

63.200 NB
BRIDGE ICES BEFORE ROAD
RET

WRONG WAY
B-B

MM 63.400

63.360 NB
EXIT 10
100 TO 2
Waterbury
Stowe

24 HOURS

MM 64.070

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

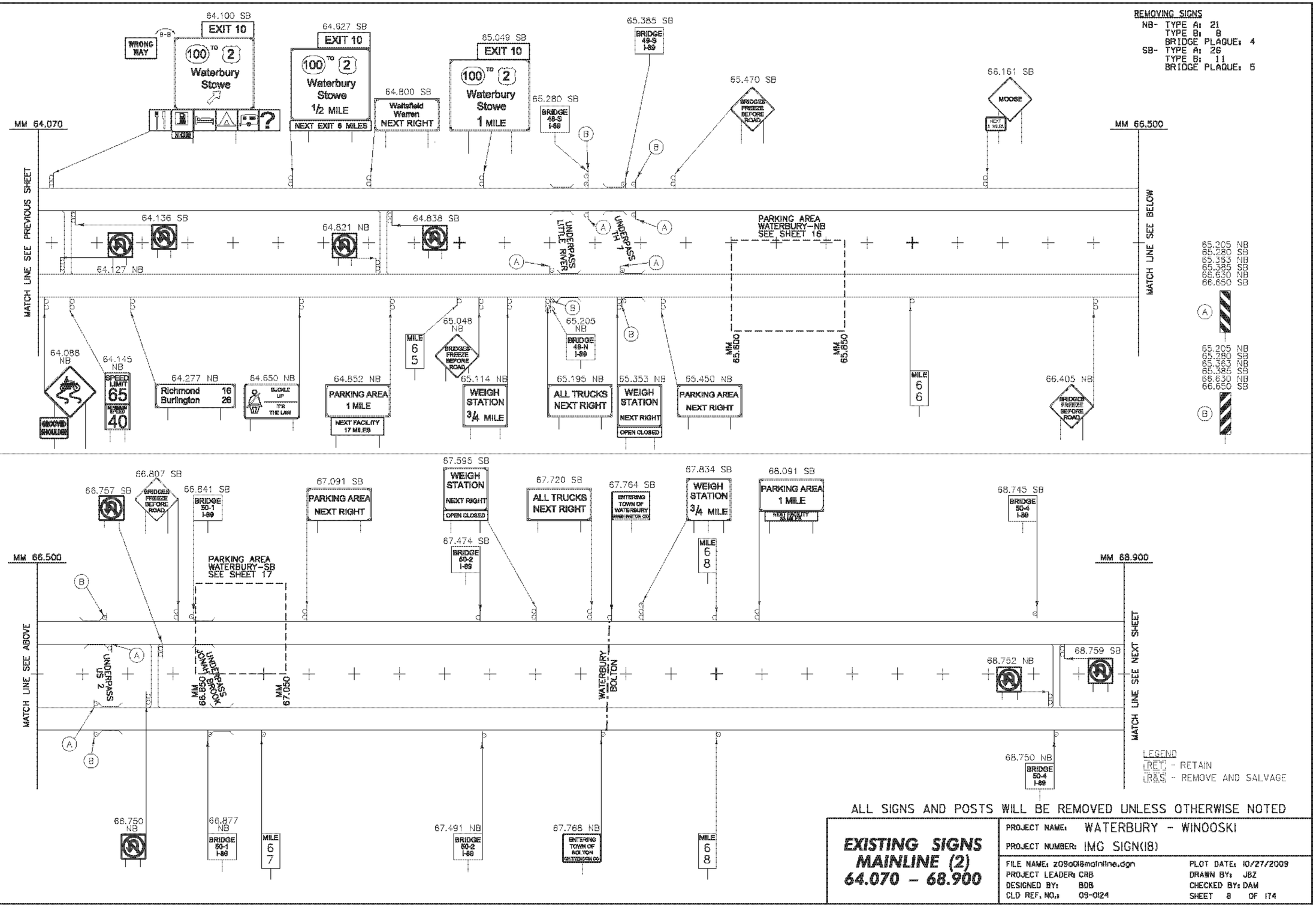
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

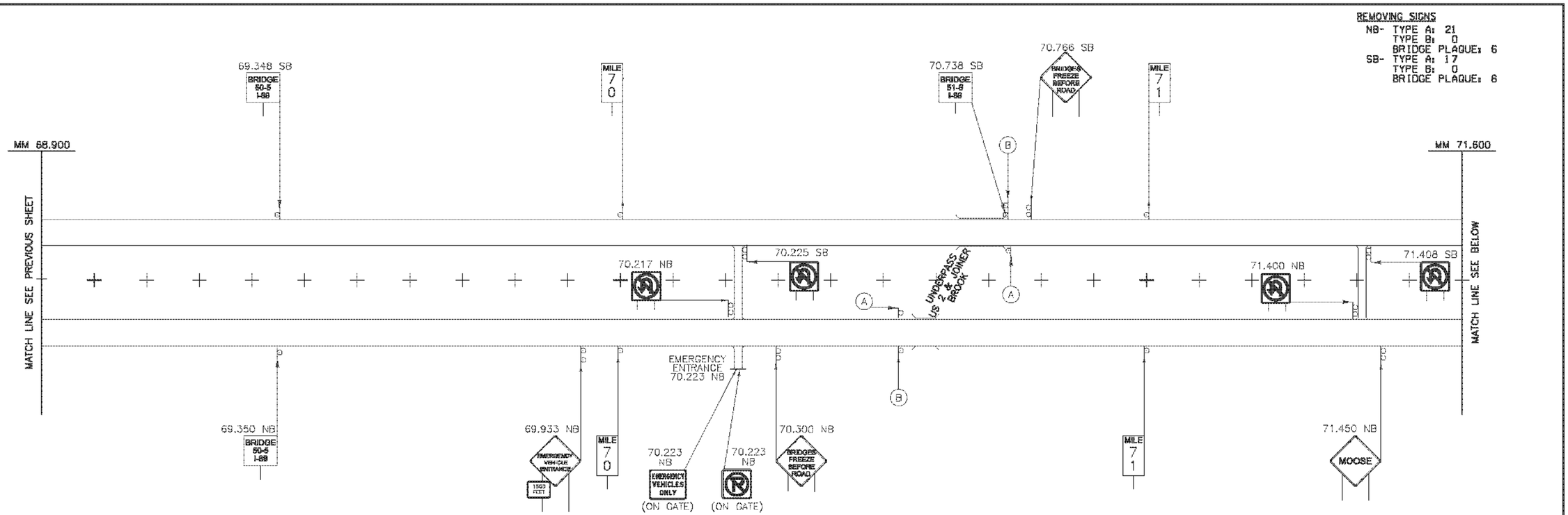
EXISTING SIGNS
MAINLINE (1)
60.880 – 64.070

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 7 OF 174

MODEL: 01-Exist


REMOVING SIGNS
NB- TYPE A: 21
TYPE B: 8
BRIDGE PLAQUE: 4
SB- TYPE A: 26
TYPE B: 11
BRIDGE PLAQUE: 5
MM 64.070
MM 66.500
MM 68.900
MATCH LINE SEE PREVIOUS SHEET
MATCH LINE SEE BELOW
MATCH LINE SEE ABOVE
MATCH LINE SEE NEXT SHEET
64.100 SB
EXIT 10
100 TO 2
Waterbury
Stowe
WRONG WAY
64.127 SB
EXIT 10
100 TO 2
Waterbury
Stowe
1/2 MILE
NEXT EXIT 6 MILES
64.800 SB
Waitsfield
Warren
NEXT RIGHT
65.049 SB
EXIT 10
100 TO 2
Waterbury
Stowe
1 MILE
65.280 SB
BRIDGE 48-S I-89
65.385 SB
BRIDGE 49-S I-89
65.470 SB
BRIDGES FREEZE BEFORE ROAD
66.161 SB
MOOSE
NEXT 5 MILES
64.136 SB
64.127 NB
64.821 NB
64.838 SB
UNDERPASS LITTLE RIVER
UNDERPASS TH 7
PARKING AREA WATERBURY--NB SEE SHEET 16
MM 65.600
MM 65.850
64.088 NB
GROOVED SHOULDER
64.145 NB
SPEED LIMIT 65
NUMBERS 6" HIGH 40
64.277 NB
Richmond 16
Burlington 26
64.650 NB
BUCKLE UP IT'S THE LAW
64.852 NB
PARKING AREA 1 MILE
NEXT FACILITY 17 MILES
MILE 6 5
65.048 NB
BRIDGES FREEZE BEFORE ROAD
65.114 NB
WEIGH STATION 3/4 MILE
65.205 NB
BRIDGE 48-N I-89
65.195 NB
ALL TRUCKS NEXT RIGHT
65.353 NB
WEIGH STATION
NEXT RIGHT
OPEN CLOSED
65.450 NB
PARKING AREA
NEXT RIGHT
MILE 6 6
66.405 NB
BRIDGES FREEZE BEFORE ROAD
65.205 NB
65.280 SB
65.353 NB
65.385 SB
66.630 NB
66.650 SB
A
65.205 NB
65.280 SB
65.353 NB
65.385 SB
66.630 NB
66.650 SB
B
66.807 SB
BRIDGES FREEZE BEFORE ROAD
66.757 SB
66.841 SB
BRIDGE 50-1 I-89
67.091 SB
PARKING AREA
NEXT RIGHT
67.595 SB
WEIGH STATION
NEXT RIGHT
OPEN CLOSED
67.474 SB
BRIDGE 50-2 I-89
67.720 SB
ALL TRUCKS NEXT RIGHT
67.764 SB
ENTERING TOWN OF WATERBURY
67.834 SB
WEIGH STATION 3/4 MILE
MILE 6 8
68.091 SB
PARKING AREA 1 MILE
NEXT FACILITY 16 MILES
68.745 SB
BRIDGE 50-4 I-89
PARKING AREA WATERBURY--SB SEE SHEET 17
UNDERPASS US 2
UNDERPASS JONAH BROOK
MM 66.850
MM 67.050
WATERBURY
BOLTON
68.752 NB
68.759 SB
68.750 NB
BRIDGE 50-4 I-89
66.750 NB
66.877 NB
BRIDGE 50-1 I-89
MILE 6 7
67.491 NB
BRIDGE 50-2 I-89
67.768 NB
ENTERING TOWN OF BOLTON
MILE 6 8
LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
EXISTING SIGNS
MAINLINE (2)
64.070 - 68.900
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 8 OF 174
MODEL: 02-Exist

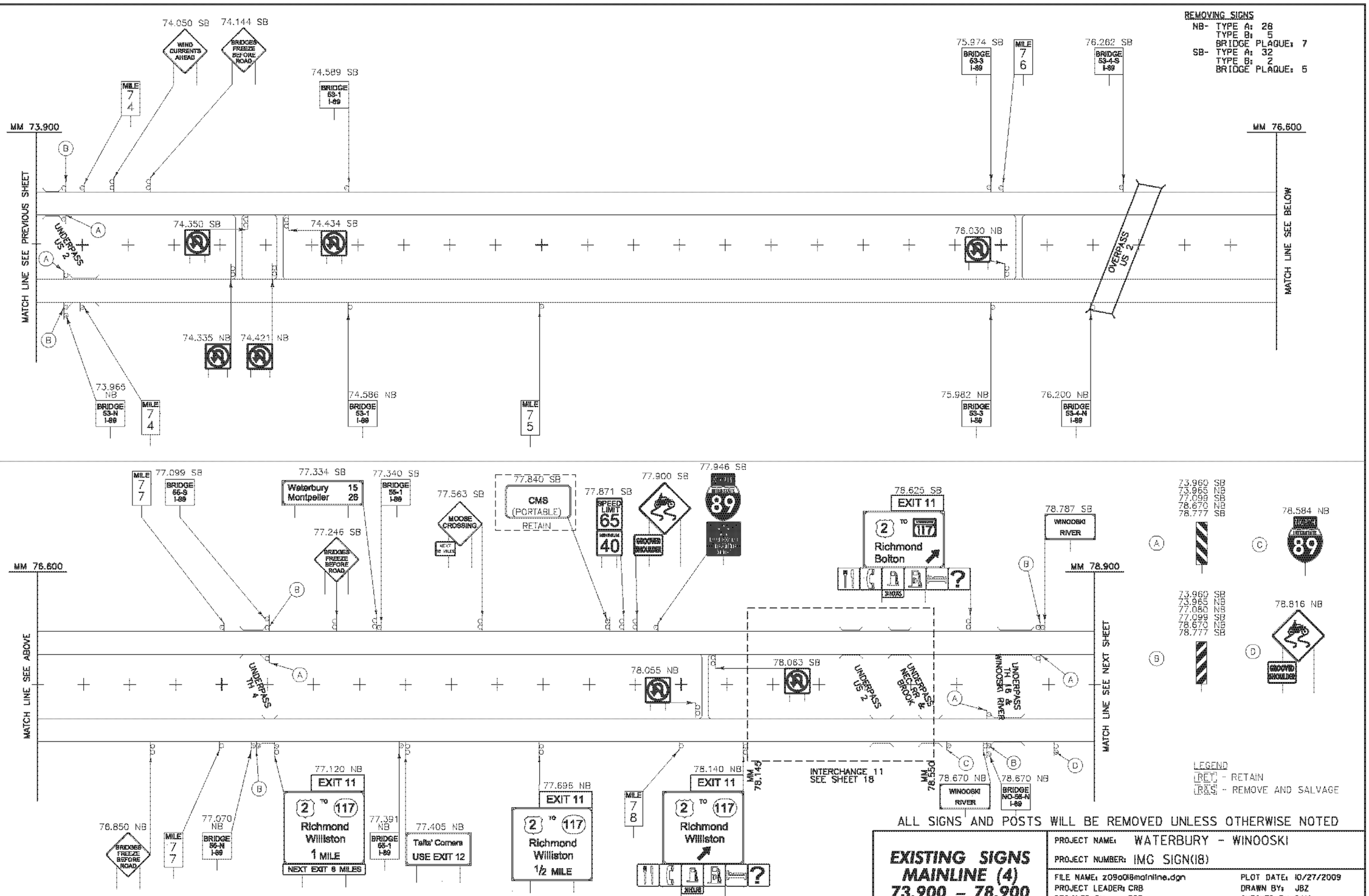


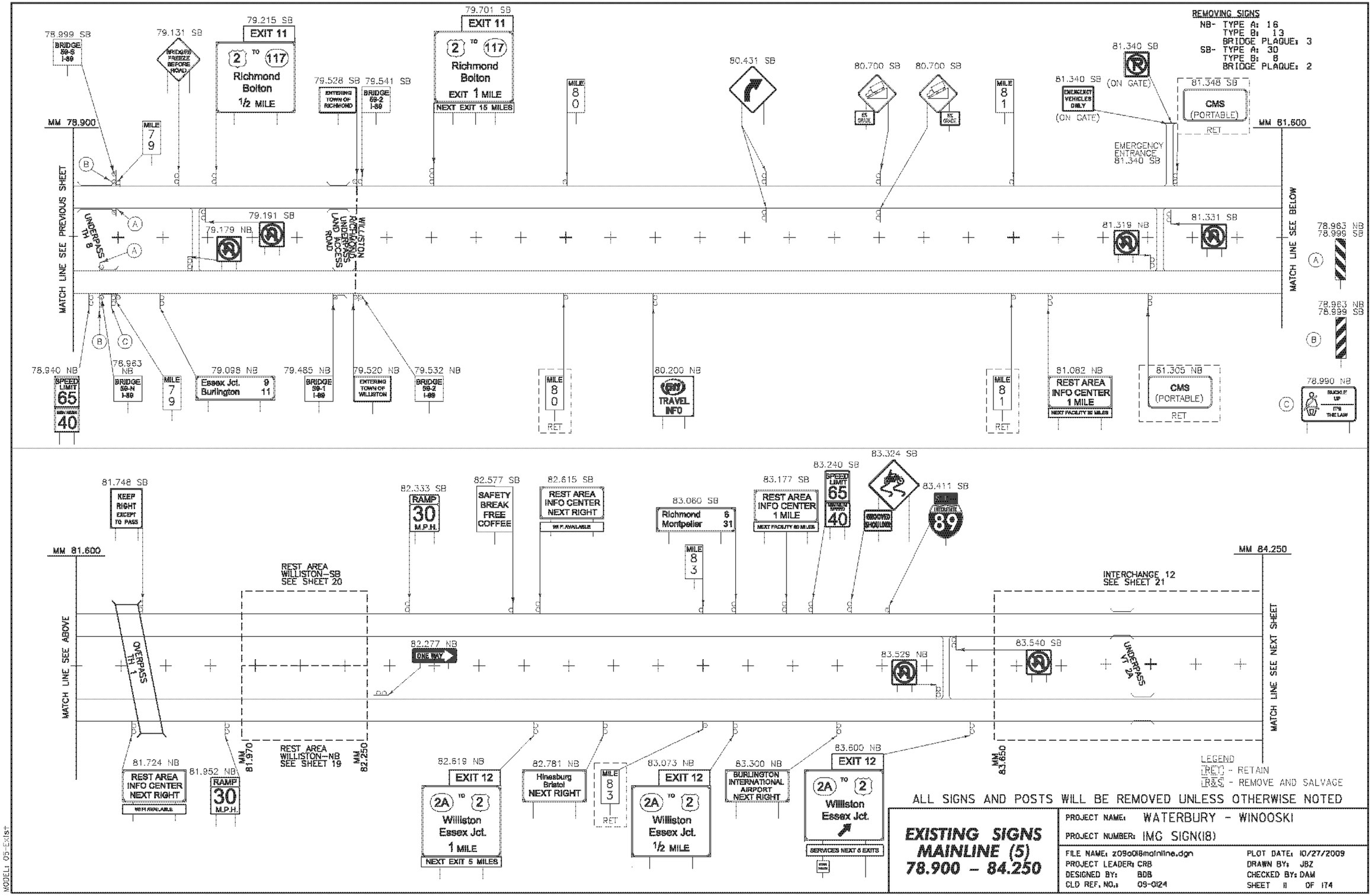
EXISTING SIGNS MAINLINE (3)
68.900 – 73.900

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 9 OF 174

MODEL: 03-EXIST


REMOVING SIGNS
NB- TYPE A: 28
TYPE B: 5
BRIDGE PLAQUE: 7
SB- TYPE A: 32
TYPE B: 2
BRIDGE PLAQUE: 5
MM 73.900
MM 76.600
MM 76.600
MM 78.900
MATCH LINE SEE PREVIOUS SHEET
MATCH LINE SEE BELOW
MATCH LINE SEE ABOVE
MATCH LINE SEE NEXT SHEET
74.050 SB
WIND CURRENTS AHEAD
74.144 SB
BRIDGES FREEZE BEFORE ROAD
MILE 7 4
74.589 SB
BRIDGE 53-1 I-89
74.350 SB
74.434 SB
UNDERPASS US 2
74.335 NB
74.421 NB
73.965 NB
BRIDGE 53-N I-89
MILE 7 4
74.586 NB
BRIDGE 53-1 I-89
MILE 7 5
75.974 SB
BRIDGE 53-3 I-89
MILE 7 6
76.262 SB
BRIDGE 53-4-S I-89
76.030 NB
OVERPASS US 2
75.982 NB
BRIDGE 53-3 I-89
76.200 NB
BRIDGE 53-4-N I-89
77.099 SB
MILE 7 7
BRIDGE 55-S I-89
77.334 SB
Waterbury 15
Montpelier 26
77.340 SB
BRIDGE 55-1 I-89
77.246 SB
BRIDGES FREEZE BEFORE ROAD
77.563 SB
MOOSE CROSSING
NEXT 10 MILES
77.840 SB
CMS (PORTABLE)
RETAIN
77.871 SB
SPEED LIMIT 65 MINIMUM 40
77.900 SB
GROOVED SHOULDER
77.946 SB
INTERSTATE 89
UNDERPASS TH 4
78.055 NB
78.063 SB
UNDERPASS US 2
UNDERPASS NEC SR & BROOK
UNDERPASS TH 18 & WINOOSKI RIVER
78.625 SB
EXIT 11
2 TO 117
Richmond
Bolton
78.787 SB
WINOOSKI RIVER
73.960 SB
73.965 NB
77.099 SB
78.670 NB
78.777 SB
78.584 NB
INTERSTATE 89
73.960 SB
73.965 NB
77.080 NB
77.099 SB
78.670 NB
78.777 SB
78.816 NB
GROOVED SHOULDER
76.850 NB
BRIDGES FREEZE BEFORE ROAD
MILE 7 7
77.070 NB
BRIDGE 56-N I-89
77.120 NB
EXIT 11
2 TO 117
Richmond
Williston
1 MILE
NEXT EXIT 6 MILES
77.391 NB
BRIDGE 55-1 I-89
77.405 NB
Tafts' Corners
USE EXIT 12
77.696 NB
EXIT 11
2 TO 117
Richmond
Williston
1/2 MILE
MILE 7 8
78.140 NB
EXIT 11
2 TO 117
Richmond
Williston
MM 78.145
MM 78.550
INTERCHANGE 11
SEE SHEET 18
78.670 NB
WINOOSKI RIVER
78.670 NB
BRIDGE NO-56-N I-89
LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
EXISTING SIGNS
MAINLINE (4)
73.900 - 78.900
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09o18mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 10 OF 174
MODEL: 04-EXIST


REMOVING SIGNS
NB- TYPE A: 16
TYPE B: 13
BRIDGE PLAQUE: 3
SB- TYPE A: 30
TYPE B: 6
BRIDGE PLAQUE: 2
MM 78.900
MM 61.600
MM 81.600
MM 84.250
MATCH LINE SEE PREVIOUS SHEET
MATCH LINE SEE BELOW
MATCH LINE SEE ABOVE
MATCH LINE SEE NEXT SHEET
78.899 SB
BRIDGE 59-S I-89
79.131 SB
BRIDGES FREEZE BEFORE ROAD
79.215 SB
EXIT 11
2 TO 117
Richmond
Bolton
1/2 MILE
79.528 SB
ENTERING TOWN OF RICHMOND
79.541 SB
BRIDGE 59-2 I-89
79.701 SB
EXIT 11
2 TO 117
Richmond
Bolton
EXIT 1 MILE
NEXT EXIT 15 MILES
MILE 80
80.431 SB
80.700 SB
6% GRADE
80.700 SB
6% GRADE
MILE 81
81.340 SB
(ON GATE)
EMERGENCY VEHICLES ONLY
(ON GATE)
81.340 SB
EMERGENCY ENTRANCE 81.340 SB
81.348 SB
CMS
(PORTABLE)
RET
78.963 NB
78.999 SB
78.963 NB
78.999 SB
78.990 NB
BUCKLE UP
IT'S THE LAW
78.940 NB
SPEED LIMIT 65
MIN SPEED 40
78.963 NB
BRIDGE 59-N I-89
MILE 79
79.098 NB
Essex Jct. 9
Burlington 11
79.179 NB
79.191 SB
UNDERPASS TH 8
WILLISTON
RICHMOND
LAND ACCESS UNDERPASS ROAD
79.485 NB
BRIDGE 59-1 I-89
79.520 NB
ENTERING TOWN OF WILLISTON
79.532 NB
BRIDGE 59-2 I-89
MILE 80
RET
80.200 NB
TRAVEL INFO
81.319 NB
81.331 SB
MILE 81
RET
81.082 NB
REST AREA
INFO CENTER
1 MILE
NEXT FACILITY 32 MILES
81.305 NB
CMS
(PORTABLE)
RET
81.748 SB
KEEP RIGHT EXCEPT TO PASS
82.333 SB
RAMP
30
M.P.H.
82.577 SB
SAFETY BREAK
FREE COFFEE
82.615 SB
REST AREA
INFO CENTER
NEXT RIGHT
WIFI AVAILABLE
83.060 SB
Richmond 5
Montpelier 31
MILE 83
83.177 SB
REST AREA
INFO CENTER
1 MILE
NEXT FACILITY 60 MILES
83.240 SB
SPEED LIMIT 65
MIN SPEED 40
83.324 SB
CROSSWIND SHOULDER LINES
83.411 SB
INTERSTATE 89
REST AREA WILLISTON–SB SEE SHEET 20
INTERCHANGE 12 SEE SHEET 21
OVERPASS TH 1
82.277 NB
ONE WAY
83.529 NB
83.540 SB
UNDERPASS VT 2A
81.724 NB
REST AREA
INFO CENTER
NEXT RIGHT
WIFI AVAILABLE
81.952 NB
RAMP
30
M.P.H.
MM 81.970
REST AREA WILLISTON–NB SEE SHEET 19
MM 82.250
82.619 NB
EXIT 12
2A TO 2
Williston
Essex Jct.
1 MILE
NEXT EXIT 5 MILES
82.781 NB
Hinesburg
Bristol
NEXT RIGHT
MILE 83
RET
83.073 NB
EXIT 12
2A TO 2
Williston
Essex Jct.
1/2 MILE
83.300 NB
BURLINGTON INTERNATIONAL AIRPORT
NEXT RIGHT
83.600 NB
EXIT 12
2A TO 2
Williston
Essex Jct.
SERVICES NEXT 6 EXITS
MM 83.650
LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
EXISTING SIGNS
MAINLINE (5)
78.900 – 84.250
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 11 OF 174
MODEL: 09-Exist

REMOVING SIGNS
NB- TYPE A: 9
TYPE B: 4
BRIDGE PLAQUE: 1
SB- TYPE A: 10
TYPE B: 5
BRIDGE PLAQUE: 0

MM 84.250

MM 86.600

MATCH LINE SEE PREVIOUS SHEET

MATCH LINE SEE NEXT SHEET

84.365 SB
RAMP TRAFFIC STOPPED AHEAD
WHEN FLASHING
(FLASHING BEACONS) RET POSTS & BEACONS

84.430 SB
EXIT 12
2A TO 2
Williston
Essex Jct

84.700 SB
PUBLIC TRANSIT AND CARPOOL INFO 1-800-685-RIDE

84.916 SB
Hinesburg
Bristol
NEXT RIGHT

85.013 SB
SPEED LIMIT 65
MINIMUM 40

85.247 SB
2A
Williston
Essex Jct
EXIT 1 MILE
NEXT EXIT 7 MILES

MILE 8 5

MILE 8 6

84.988 NB
84.997 SB
A

84.986 NB
84.997 SB
B

84.414 NB

84.425 SB

OVERPASS TH 3

SO. BURLINGTON

WILLISTON

MUDDY BROOK

OVERPASS VT 116

84.460 NB
GROOVED SHOULDER

84.562 NB
SPEED LIMIT 65
MINIMUM 40

84.749 NB
Burlington 5
Winooski 7

84.950 NB
BUCKLE UP
IT'S THE LAW

84.956 NB
ENTERING CITY OF S BURLINGTON

84.988 NB
BRIDGE NO-63-N I-89

MILE 8 5
RET

85.736 NB
Burlington
2 EXITS

MILE 8 6
RET

86.042 NB
EXIT 13
189 TO 7
Burlington
Shelburne
EXIT 1 MILE

LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

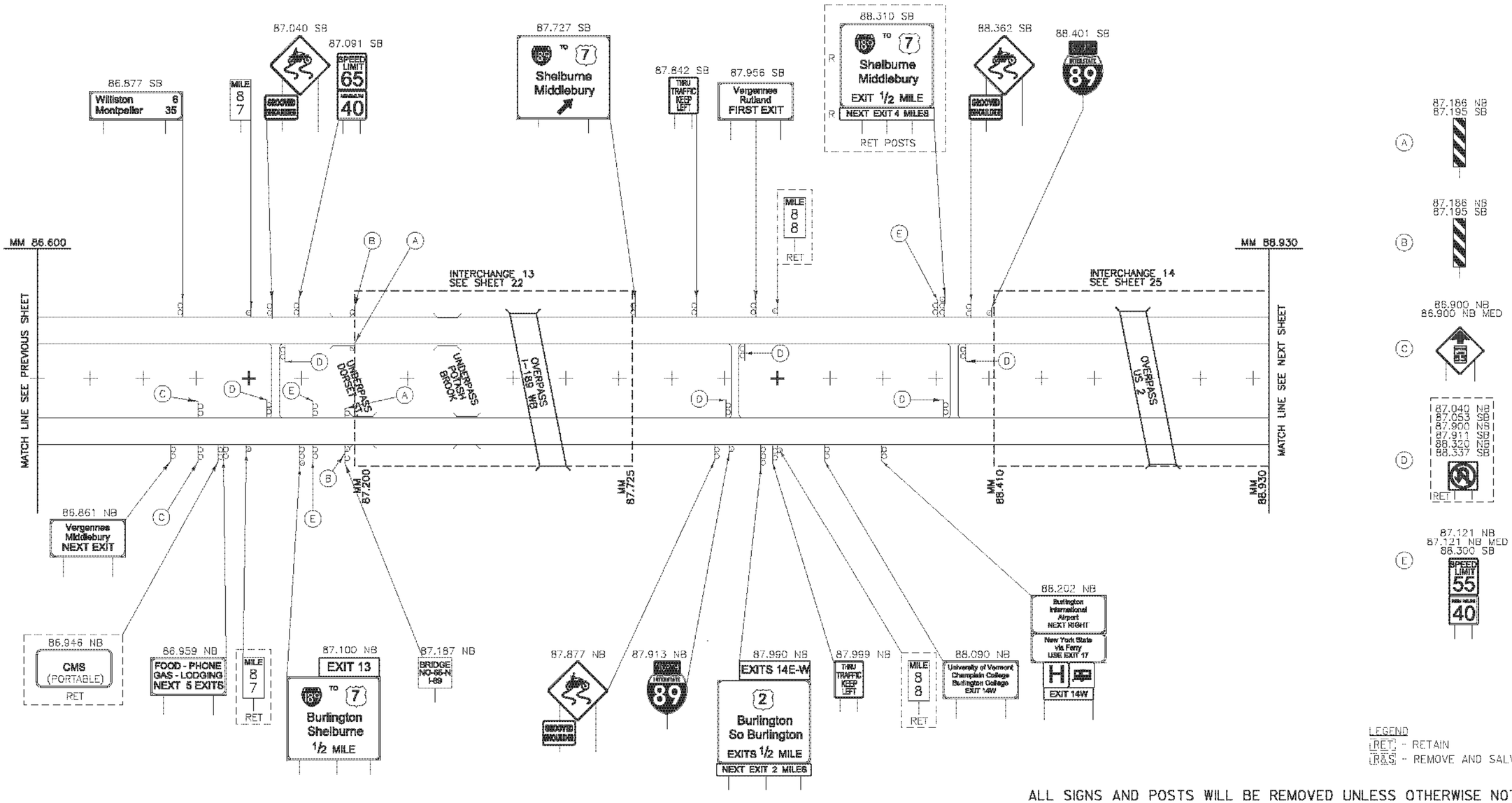
EXISTING SIGNS
MAINLINE (6)
84.250 – 86.600

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o18mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAW
SHEET 12 OF 174

MODEL: 06-Exist

REMOVING SIGNS
NB- TYPE A: 15
TYPE B: 9
BRIDGE PLAQUE: 1
SB- TYPE A: 14
TYPE B: 5
BRIDGE PLAQUE: 0



LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

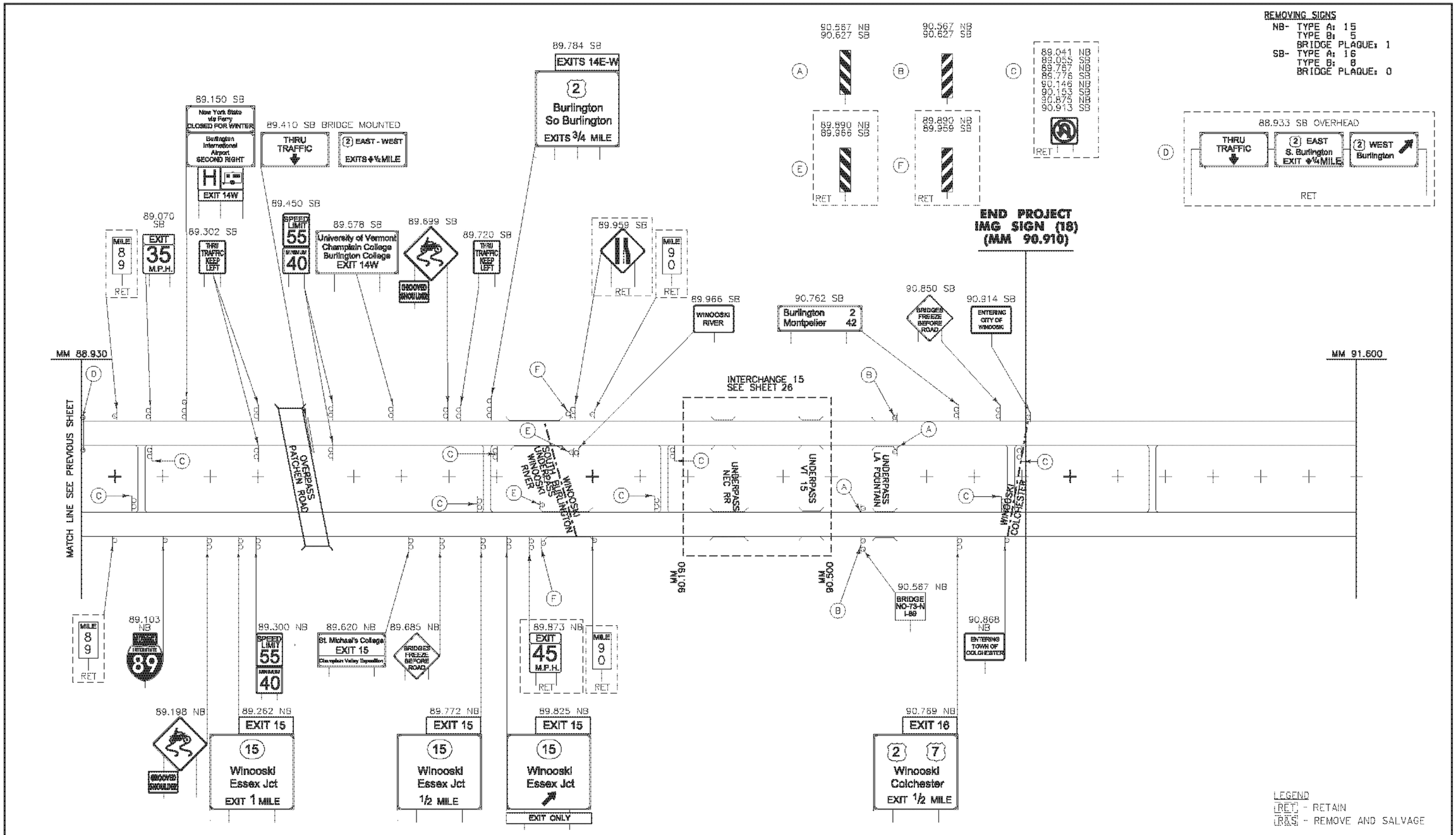
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

EXISTING SIGNS MAINLINE (7) 86.600 – 88.930

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 13 OF 174

MODEL: 07-Exist



ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

EXISTING SIGNS MAINLINE (8) 88.930 – 91.600

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 14 OF 174

MODEL: 08-Exist

REMOVING SIGNS
TYPE A: 216
TYPE B: 3
BRIDGE PLAQUE: 3

(A) 0.209 CL, 0.223 CL, 0.505 CL, 0.521 CL, 0.602 CL

(B) 0.280 LT (RAMP A), 0.284 RT (RAMP A)

(C) 0.194 RT (RAMP A)

(D) 0.126 RT (RAMP F)

(E) 0.208 LT, 0.217 LT

(F) 0.403 RT

(G) 0.160 LT (RAMP F)

(H) 0.630 LT

(I) 0.448 RT

(J) 63.491 NB, 63.588 SB, 0.071 LT (RAMP A)

(K) 0.229 LT

(L) 63.491 NB, 63.588 SB, 0.071 RT (RAMP A), 0.335 RT, 0.389 LT

(M) 0.420 RT

(N) 0.085 LT (RAMP C), 0.056 RT (RAMP E)

(O) 0.148 LT

(P) 0.170 RT (RAMP F)

(Q) 63.600 NB, 63.735 NB, 63.800 SB, 63.950 SB

(R) 0.090–0.140 LT (6) (RAMP C)

0.092 RT, 0.115 RT, 0.093 LT, 0.122 LT & CL, 0.194 RT, 0.199 RT, 0.076 RT, 0.225 RT, 0.139 RT, 0.287 RT, 0.290 RT, 0.245 LT, 0.285 LT, 0.139 LT, 0.318 LT, 0.095 LT, 0.054 RT, 63.996 SB, 0.035 RT, 64.040 NB

MATCH LINE SEE SHEET 7 — TO MIDDLESEX

MATCH LINE SEE SHEET 8 — TO RICHMOND

63.458 SB, 63.588 SB, 0.148 RT, 63.485 NB, 63.491 NB, 0.158 LT&RT, 0.223 RT, 0.239 RT, 0.260 LT & RT, 0.545 RT, 0.584 RT, 0.602 RT, 0.498 RT, 0.494 RT, 0.449 LT, 0.450 LT, 0.490 LT, 0.515 LT, 0.526 LT, 0.128 RT

SOUTHBOUND I-89 — NORTHBOUND I-89

RAMP A, RAMP C, RAMP E, RAMP G, RAMP D, RAMP F, RAMP H

VT ROUTE 100

0.160 RT (RAMP C), 0.150 RT (RAMP D), 0.174 RT (RAMP E), 0.142 RT (RAMP H)

63.745 NB, 63.775 SB

0.335 RT, 0.389 LT, 0.560 LT

0.095 RT (RAMP F)

63.735 SB, 63.845 NB, 63.880 SB

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

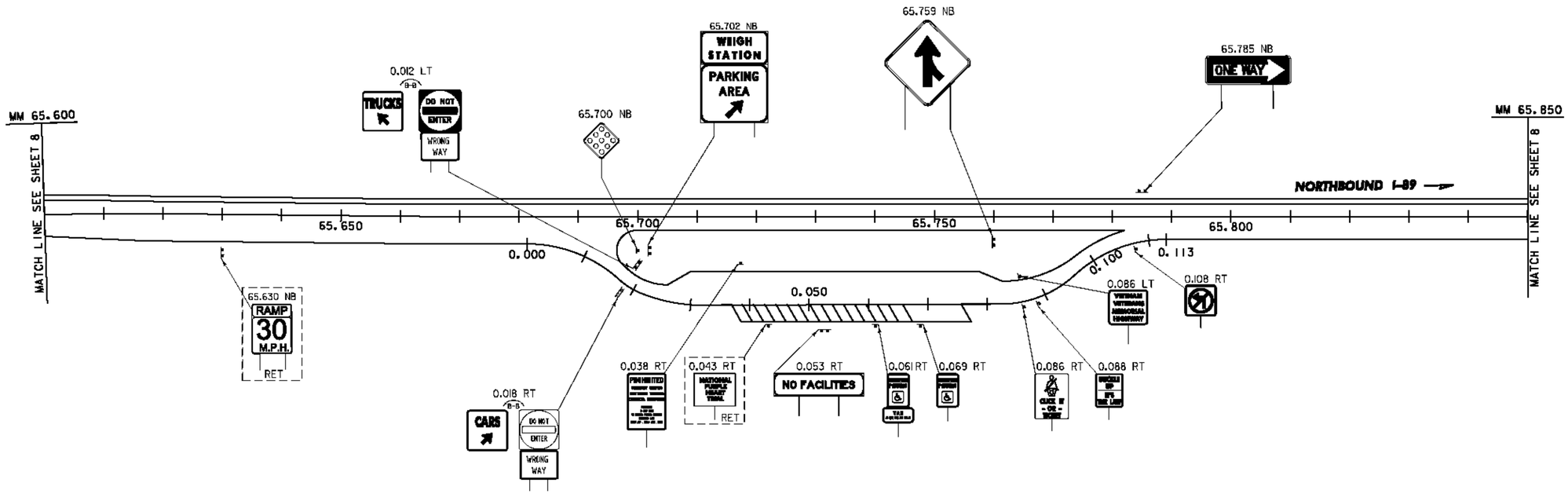
INTERCHANGE 10 EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int10.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 15 OF 174

MODEL: Exist

REMOVING SIGNS
TYPE A: 18
TYPE B: 1
BRIDGE PLAQUE: 0



LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

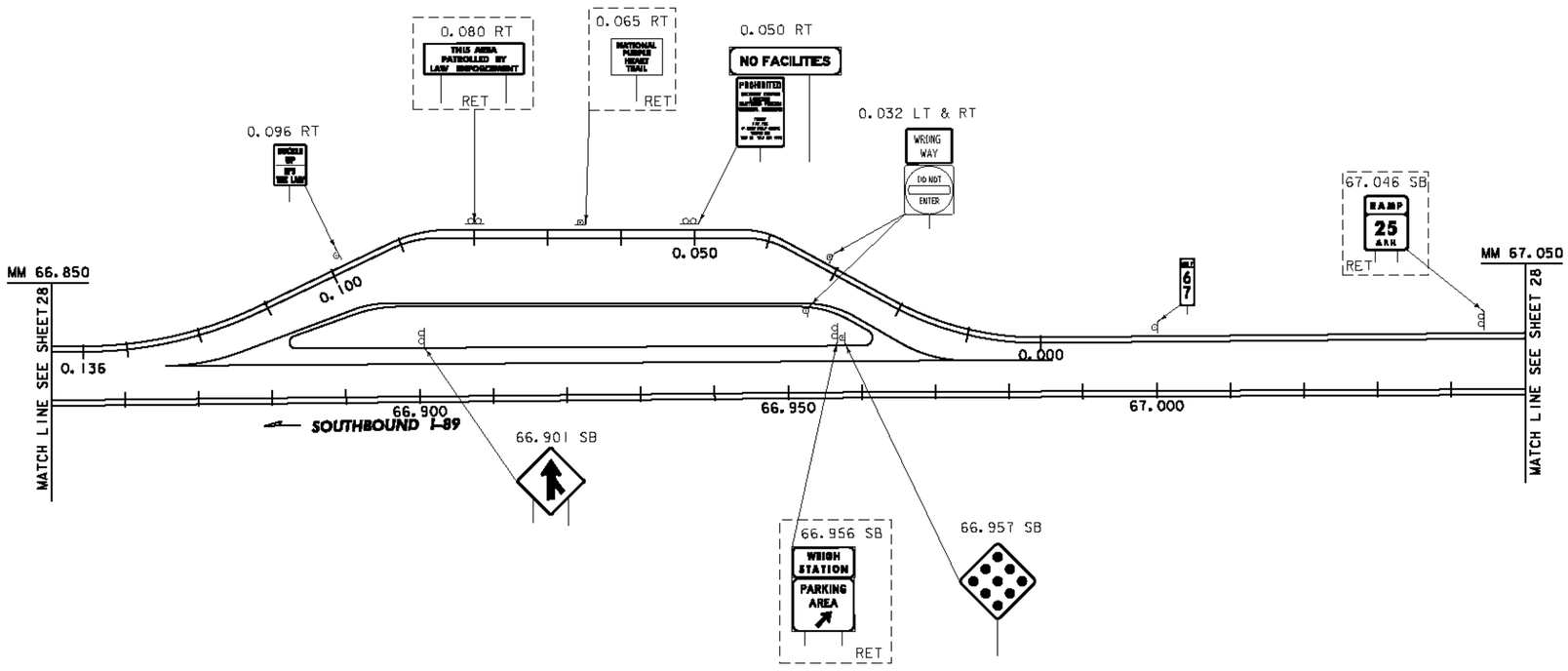
PARKING AREA
WATERBURY NB
EXISTING SIGNS
MM 65.735

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(65).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 16 OF 174

MODEL: Exist

REMOVING SIGNS
TYPE A: 10
TYPE B: 0
BRIDGE PLAQUE: 0



LEGEND
(RET) - RETAIN
(R&S) - REMOVE AND SALVAGE

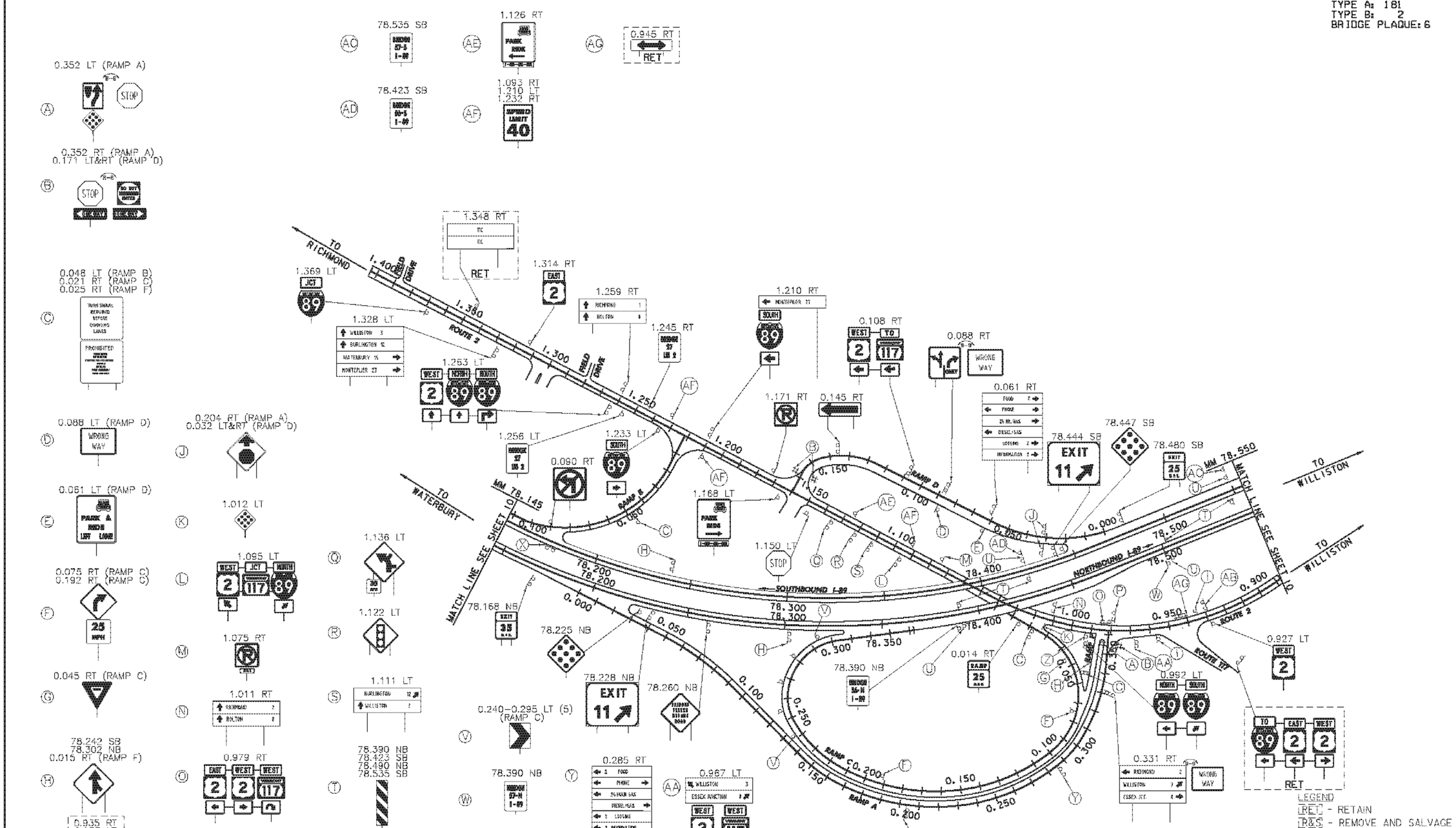
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

PARKING AREA
WATERBURY SB
EXISTING SIGNS
MM 66.930

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-SB(67).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 17 OF 174

REMOVING SIGNS
TYPE A: 181
TYPE B: 2
BRIDGE PLAQUE: 6



LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

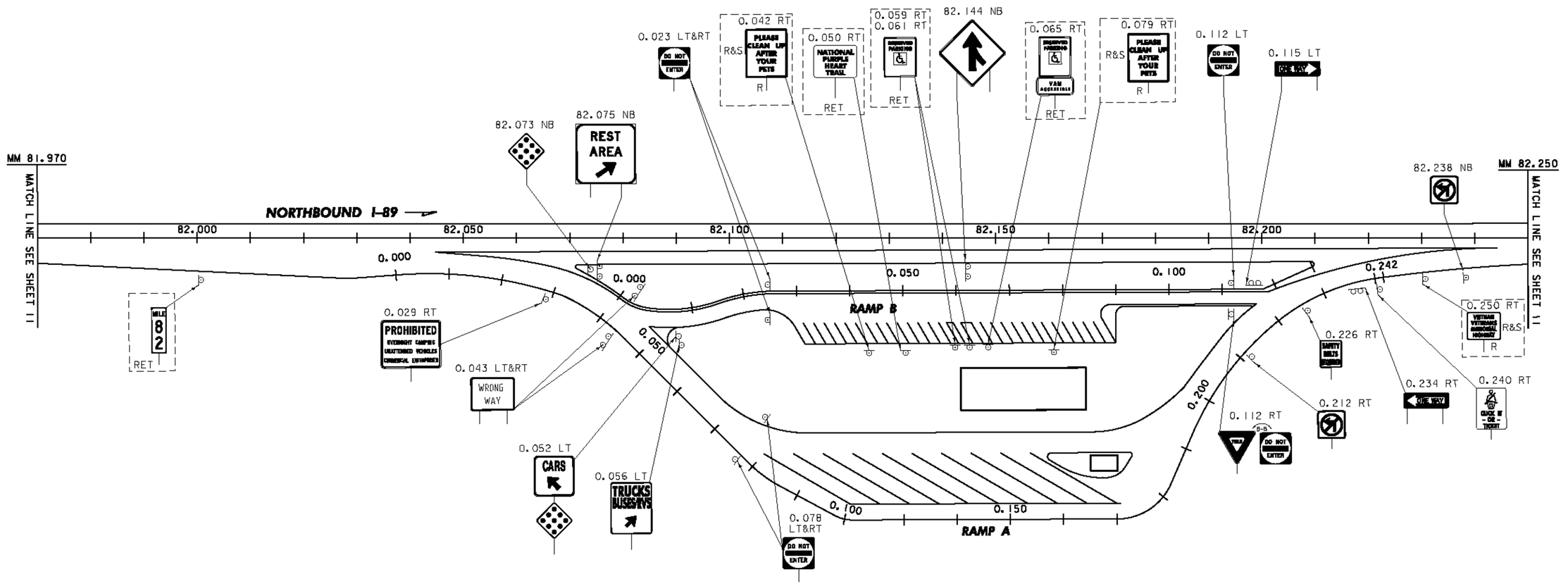
INTERCHANGE 11 EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int11.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 18 OF 174

MODEL: Exist

REMOVING SIGNS
TYPE A: 24
TYPE B: 1
BRIDGE PLAQUE: 0



LEGEND
RET - RETAIN
R&S - REMOVE AND SALVAGE

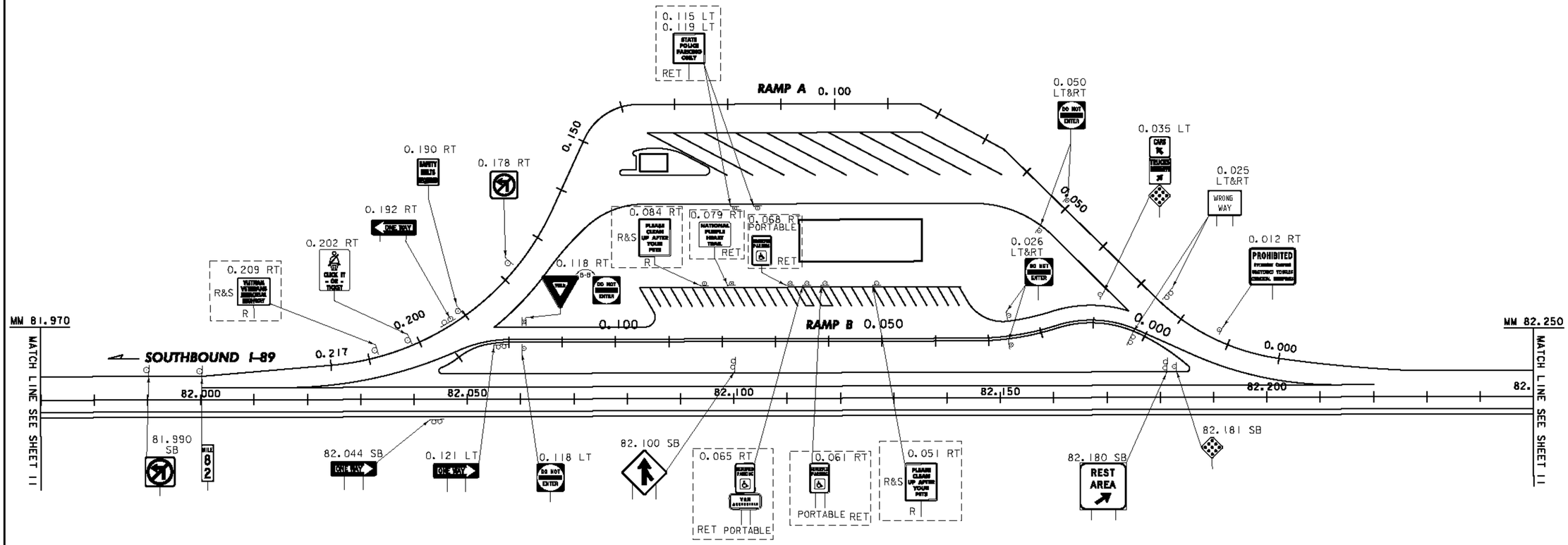
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

REST AREA NB
WILLISTON
EXISTING SIGNS
MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 19 OF 174

REMOVING SIGNS
TYPE A: 26
TYPE B: 1
BRIDGE PLAQUE: 0



LEGEND
(RET) - RETAIN
(R&S) - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

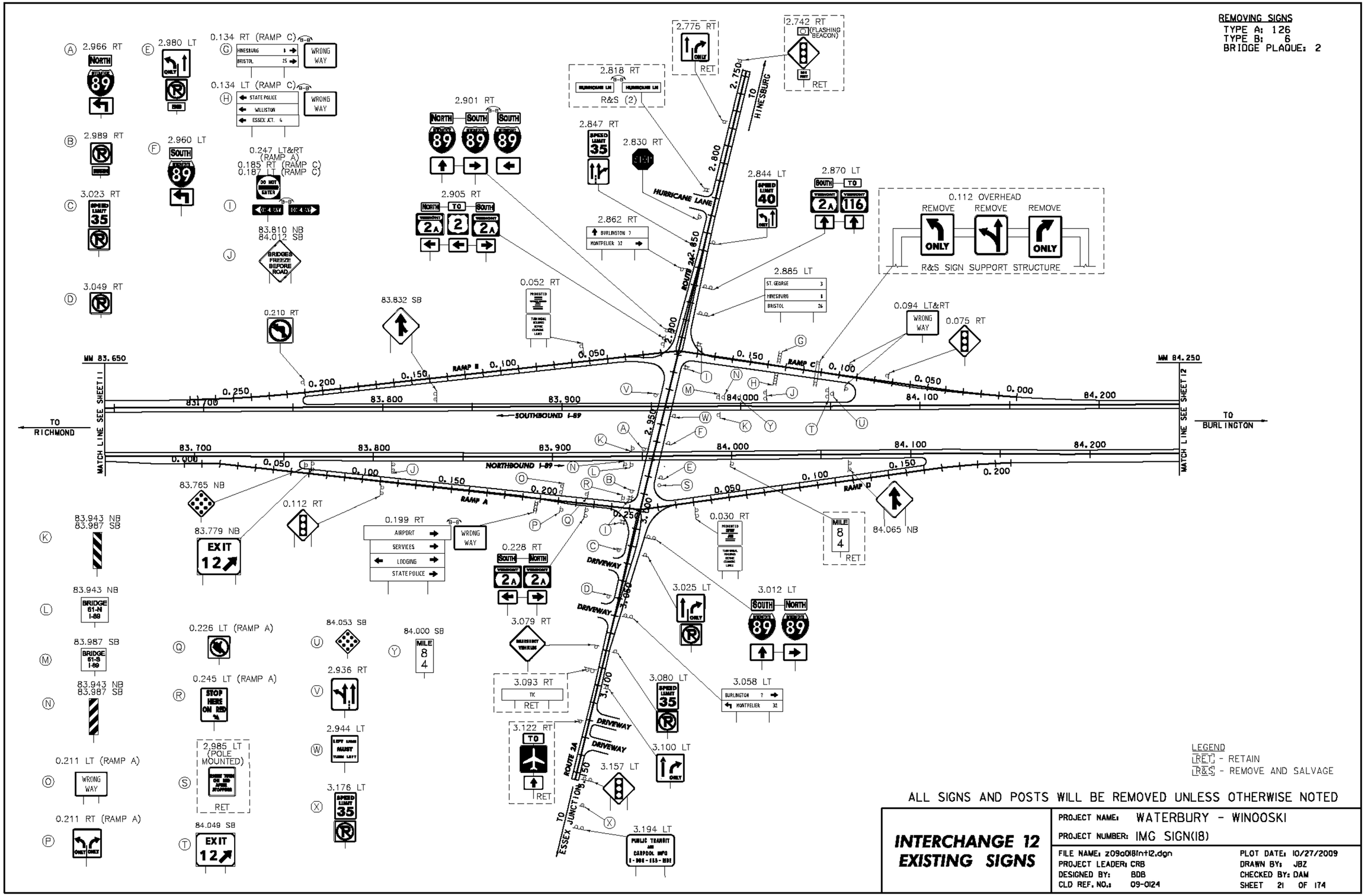
REST AREA SB
WILLISTON
EXISTING SIGNS
MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-SB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 20 OF 174

MODEL: Ex16+

REMOVING SIGNS
TYPE A: 126
TYPE B: 6
BRIDGE PLAQUE: 2



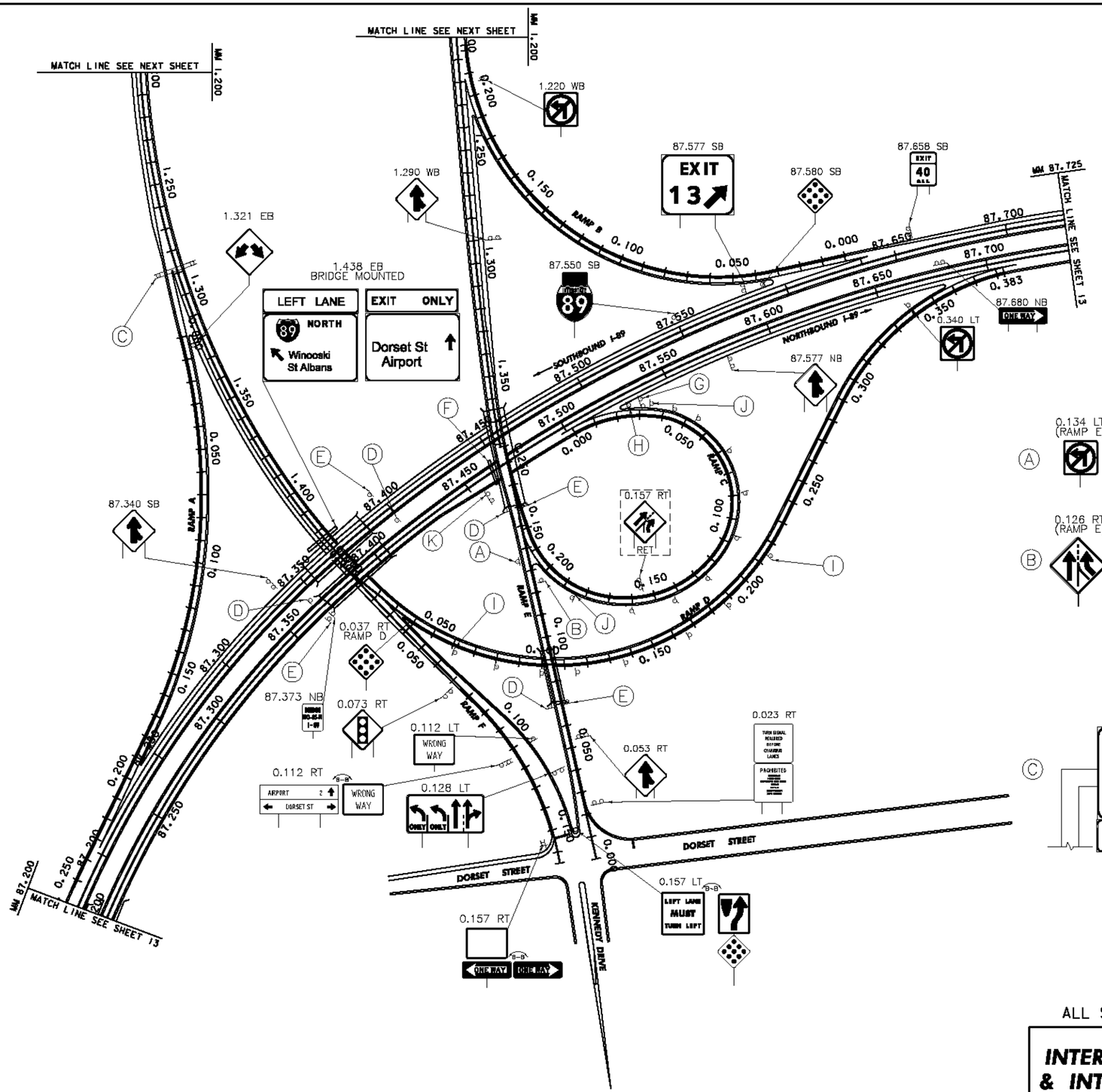
LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

INTERCHANGE 12 EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int12.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 21 OF 174



REMOVING SIGNS
TYPE A: 57
TYPE B: 7
BRIDGE PLAQUE: 1

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

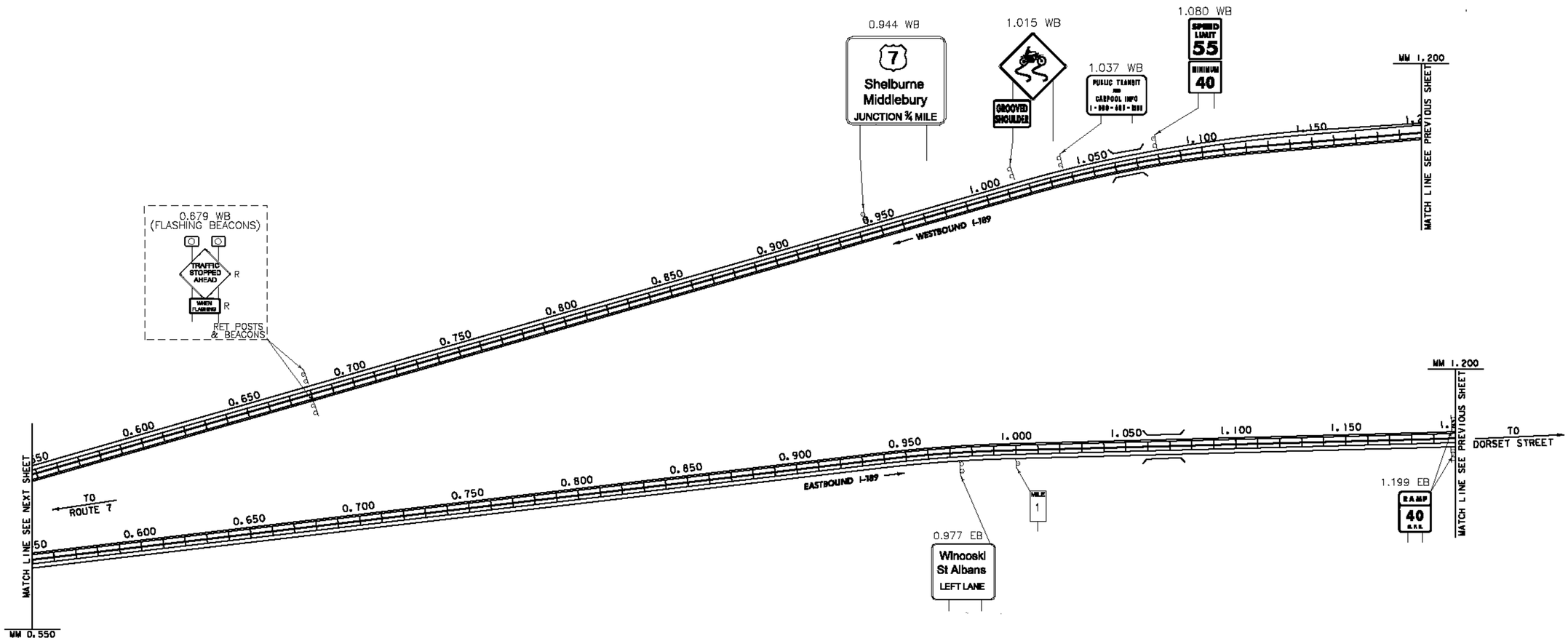
INTERCHANGE 13 & INTERSTATE 189 EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090181nt13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 22 OF 174

MODEL: Exist

REMOVING SIGNS
TYPE A: 11
TYPE B: 3
BRIDGE PLAQUE: 0



LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

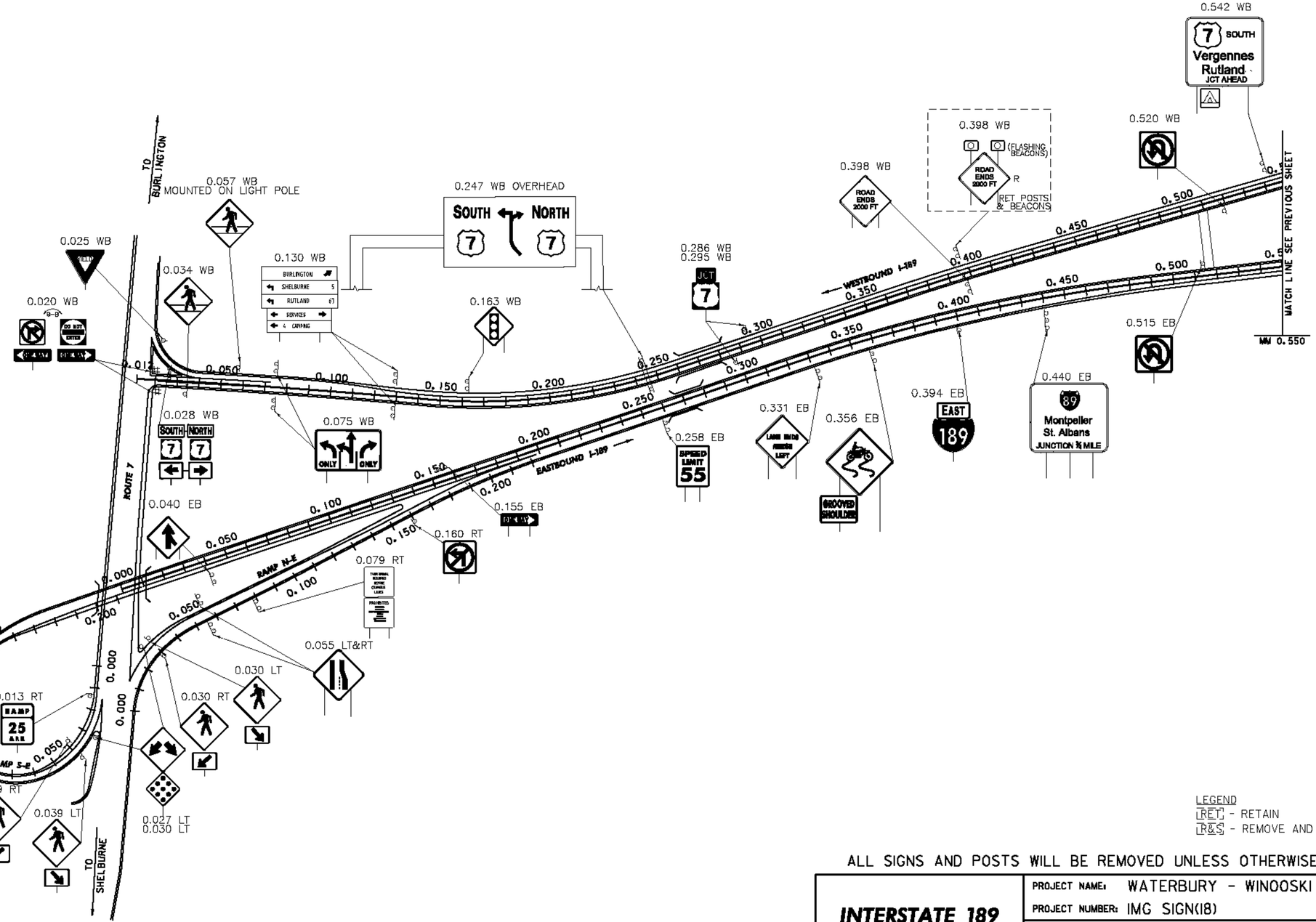
INTERSTATE 189
EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090181n+13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 23 OF 174

MODEL: Ex1st-2

REMOVING SIGNS
TYPE A: 63
TYPE B: 3
BRIDGE PLAQUE: 0



LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

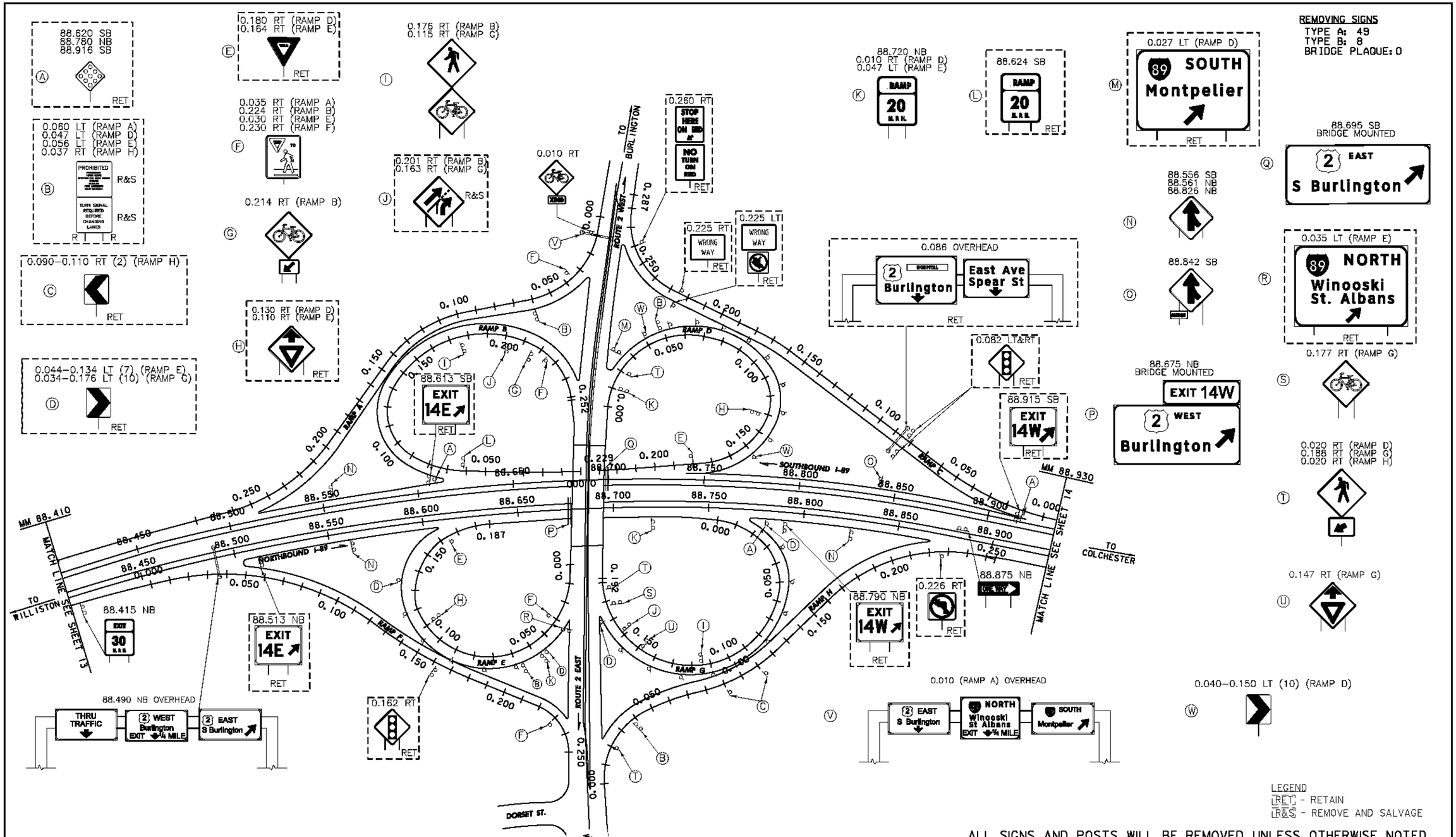
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED

INTERSTATE 189
EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018in+13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 24 OF 174

MODEL: Exist-3

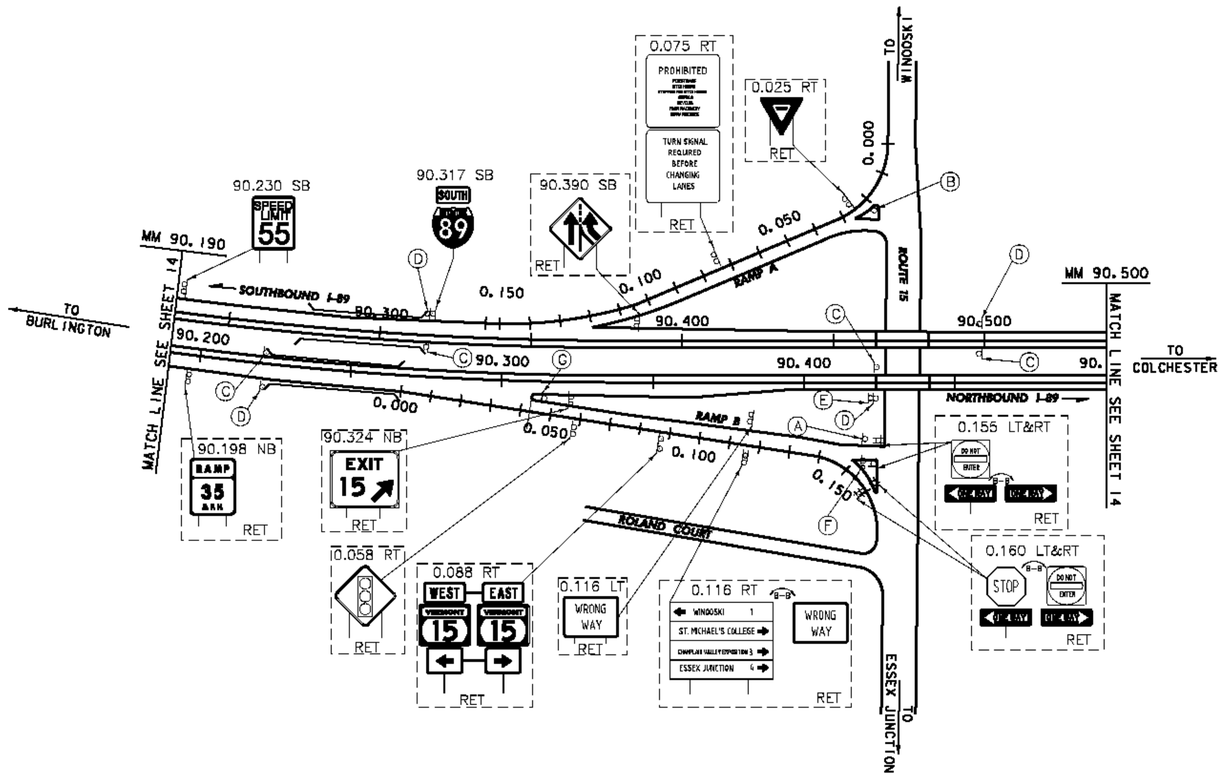


ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
FOR CLARITY, NOT ALL SIGNS ON US ROUTE 2 (CLASS I) ARE SHOWN

INTERCHANGE 14
EXISTING SIGNS

PROJECT NAME: WATERBURY - WINOOSKI	
PROJECT NUMBER: IMG SIGN(18)	
FILE NAME: z09a018int14.dgn	PLOT DATE: 10/27/2009
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: BDB	CHECKED BY: DAM
CLD REF. NO.: 09-0124	SHEET 25 OF 174

MODEL: Exist



(A) 0.150 LT (RAMP B) — NO PARKING ANY CITY STREETS — RET

(B) 0.020 LT (RAMP A) — RET

(C) 90.224 NB, 90.317 SB, 90.425 NB, 90.499 SB

(D) 90.224 NB, 90.317 SB, 90.425 NB, 90.499 SB

(E) 90.425 NB — BRIDGE NO-72-N I-89

(F) 0.152 LT (RAMP B) — ONLY ONLY ONLY — RET

(G) 90.322 NB

REMOVING SIGNS
TYPE A: 12
TYPE B: 0
BRIDGE PLAQUE: 1

LEGEND
[RET] - RETAIN
[R&S] - REMOVE AND SALVAGE

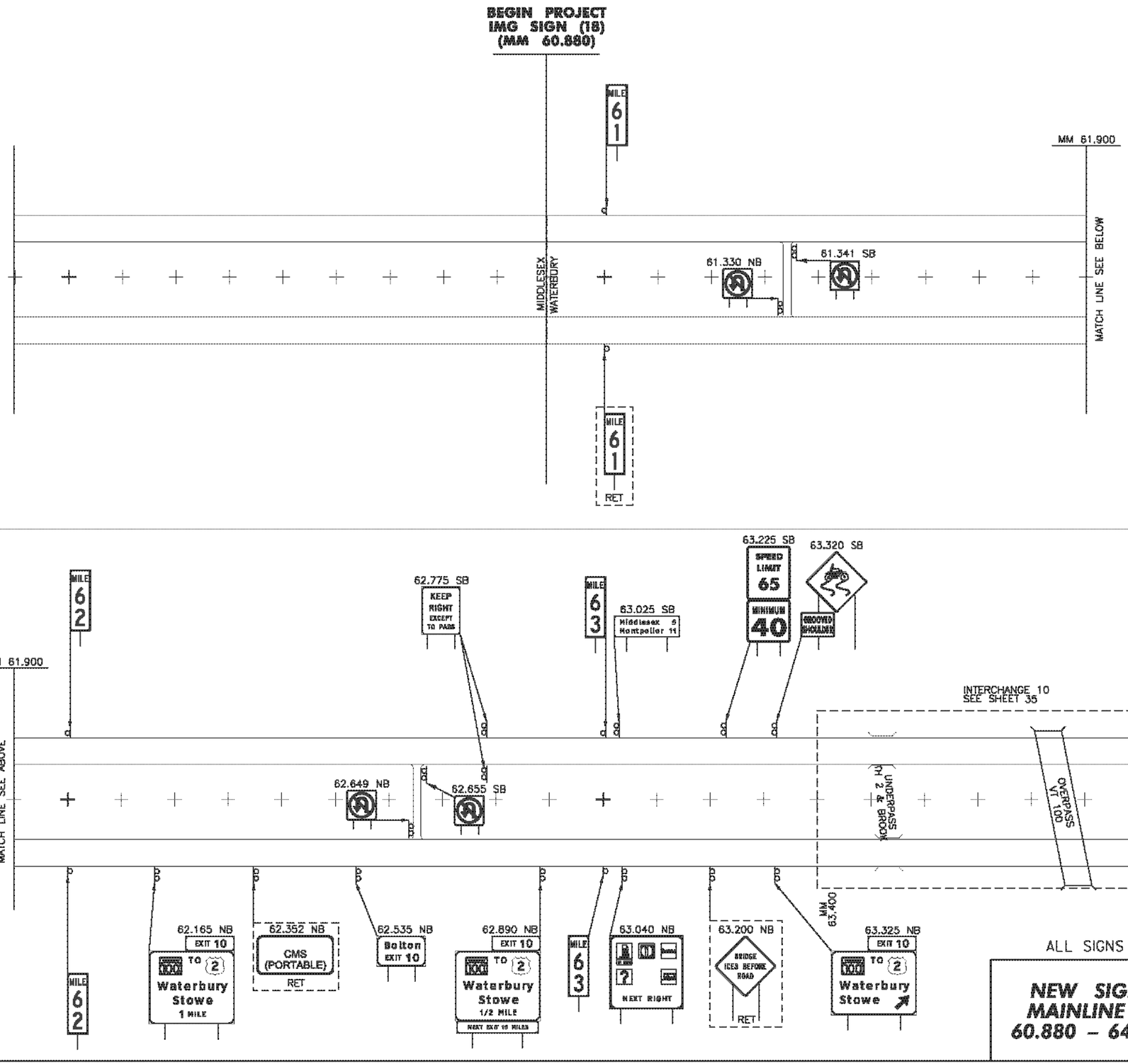
ALL SIGNS AND POSTS WILL BE REMOVED UNLESS OTHERWISE NOTED
RAMP B TO BE ADDRESSED WITH PROJECT NH 089-3(65)

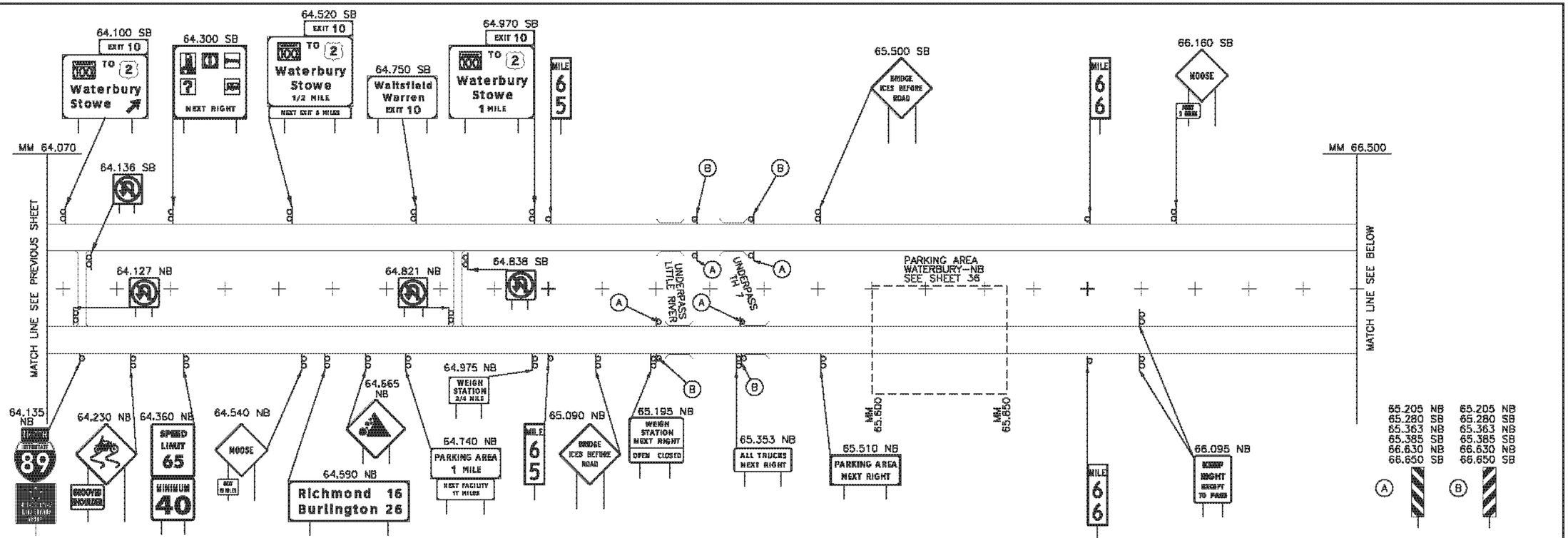
INTERCHANGE 15 EXISTING SIGNS

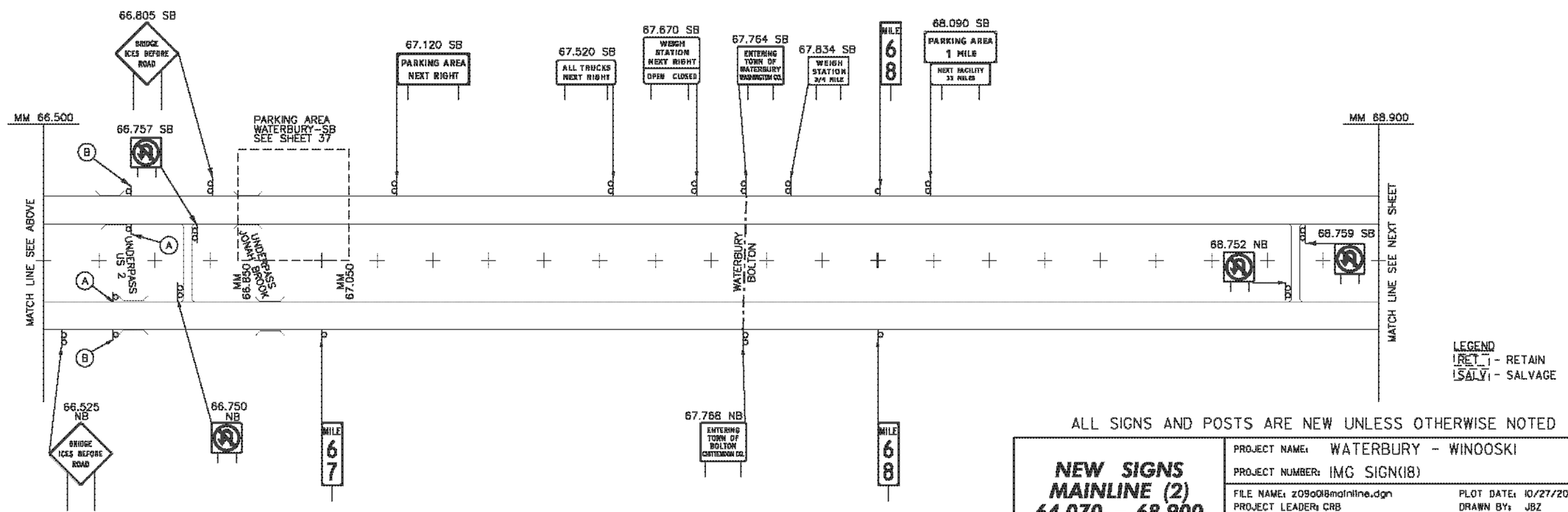
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018intl5.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 26 OF 174

MODEL: Exist


BEGIN PROJECT
IMG SIGN (18)
(MM 60.880)
MILE 61
MM 61.900
MIDDLESEX
WATERBURY
61.330 NB
61.341 SB
MATCH LINE SEE BELOW
MILE 61
RET
MILE 62
62.775 SB
KEEP RIGHT EXCEPT TO PASS
MILE 63
63.025 SB
Middlesex 9
Montpelier 11
63.225 SB
SPEED LIMIT 65
MINIMUM 40
63.320 SB
GROOVED SHOULDER
MM 61.900
MM 64.070
INTERCHANGE 10
SEE SHEET 35
MATCH LINE SEE ABOVE
62.649 NB
62.655 SB
UNDERPASS
BROOK
OVERPASS
VT 100
MATCH LINE SEE NEXT SHEET
MM 63.400
MM 64.070
62.165 NB
EXIT 10
TO 2
Waterbury
Stowe
1 MILE
62.352 NB
CMS
(PORTABLE)
RET
62.535 NB
Bolton
EXIT 10
62.890 NB
EXIT 10
TO 2
Waterbury
Stowe
1/2 MILE
NEXT EXIT 10 MILES
MILE 63
63.040 NB
NEXT RIGHT
63.200 NB
BRIDGE ICES BEFORE ROAD
RET
63.325 NB
EXIT 10
TO 2
Waterbury
Stowe
LEGEND
RET - RETAIN
SALV - SALVAGE
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
NEW SIGNS
MAINLINE (1)
60.880 – 64.070
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 27 OF 174
MODEL: 01-new





LEGEND
RET - RETAIN
SALV - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

NEW SIGNS MAINLINE (2) 64.070 – 68.900

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 28 OF 174

MODEL: 02-New

MM 68.900

MILE 69

MILE 70

70.845 NB
BRIDGE ICES BEFORE ROAD

MILE 71

MM 71.600

MATCH LINE SEE PREVIOUS SHEET

70.217 NB

70.225 SB

UNDERPASS 2 & JOINER BROOK US

71.400 NB

71.408 SB

MATCH LINE SEE BELOW

69.940 NB
EMERGENCY VEHICLE ENTRANCE
1500 FEET

EMERGENCY ENTRANCE 70.223

70.223 NB
EMERGENCY VEHICLES ONLY
(ON GATE)

70.223 NB
(ON GATE)

70.430 NB
BRIDGE ICES BEFORE ROAD

71.450 NB
MOOSE
STAY ALERT

72.309 SB 72.309 SB
(ON GATE) (ON GATE)
EMERGENCY VEHICLES ONLY

72.280 SB
MOOSE
STAY ALERT

EMERGENCY ENTRANCE 72.309

72.595 SB
EMERGENCY VEHICLE ENTRANCE
1500 FEET

MM 71.600

MATCH LINE SEE ABOVE

71.611 NB
CMS (PORTABLE)
RET

73.402 SB
ENTERING TOWN OF BOLTON

73.715 SB
BRIDGE ICES BEFORE ROAD

73.872 SB
CMS (PORTABLE)
RET

73.870 SB
NEXT 2000 FT

MM 73.900

MATCH LINE SEE NEXT SHEET

UNDERPASS LAND ACCESS DUCK BROOK

RICHMOND BOLTON

UNDERPASS TH 14

73.350 NB
BRIDGE ICES BEFORE ROAD

73.410 NB
ENTERING TOWN OF RICHMOND

73.505 NB
NEXT 2000 FT

70.533 NB
70.738 SB
73.520 NB
73.580 SB

70.533 NB
70.738 SB
73.520 NB
73.580 SB

73.880 NB
HIGH WIND AREA
ICING MAY OCCUR

73.850 NB
BRIDGE ICES BEFORE ROAD

73.870 SB
NEXT 2000 FT

73.505 NB
NEXT 2000 FT

LEGEND
(RET_) - RETAIN
(SALV) - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

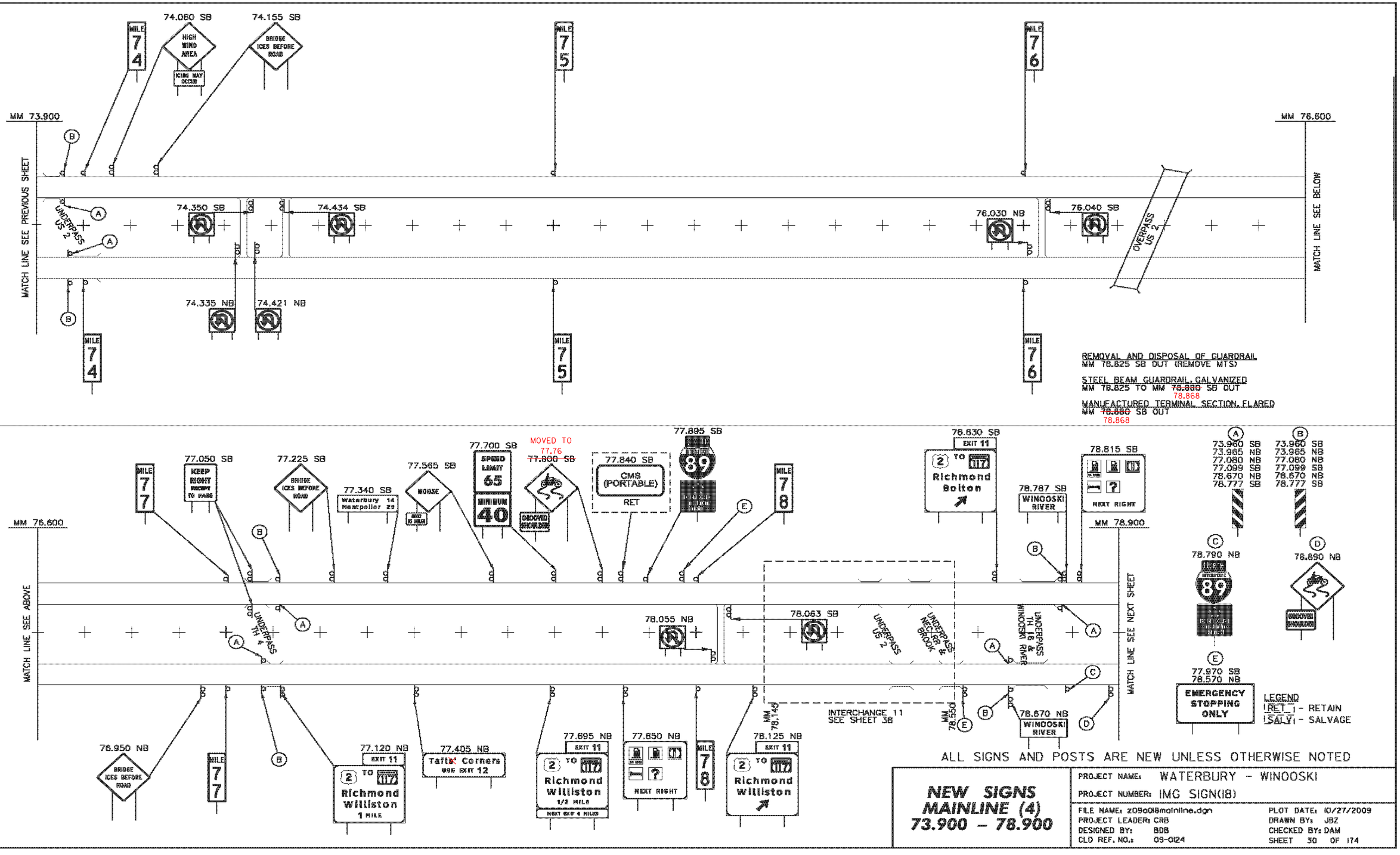
NEW SIGNS
MAINLINE (3)
68.900 – 73.900

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 29 OF 174

MODEL: 03-New

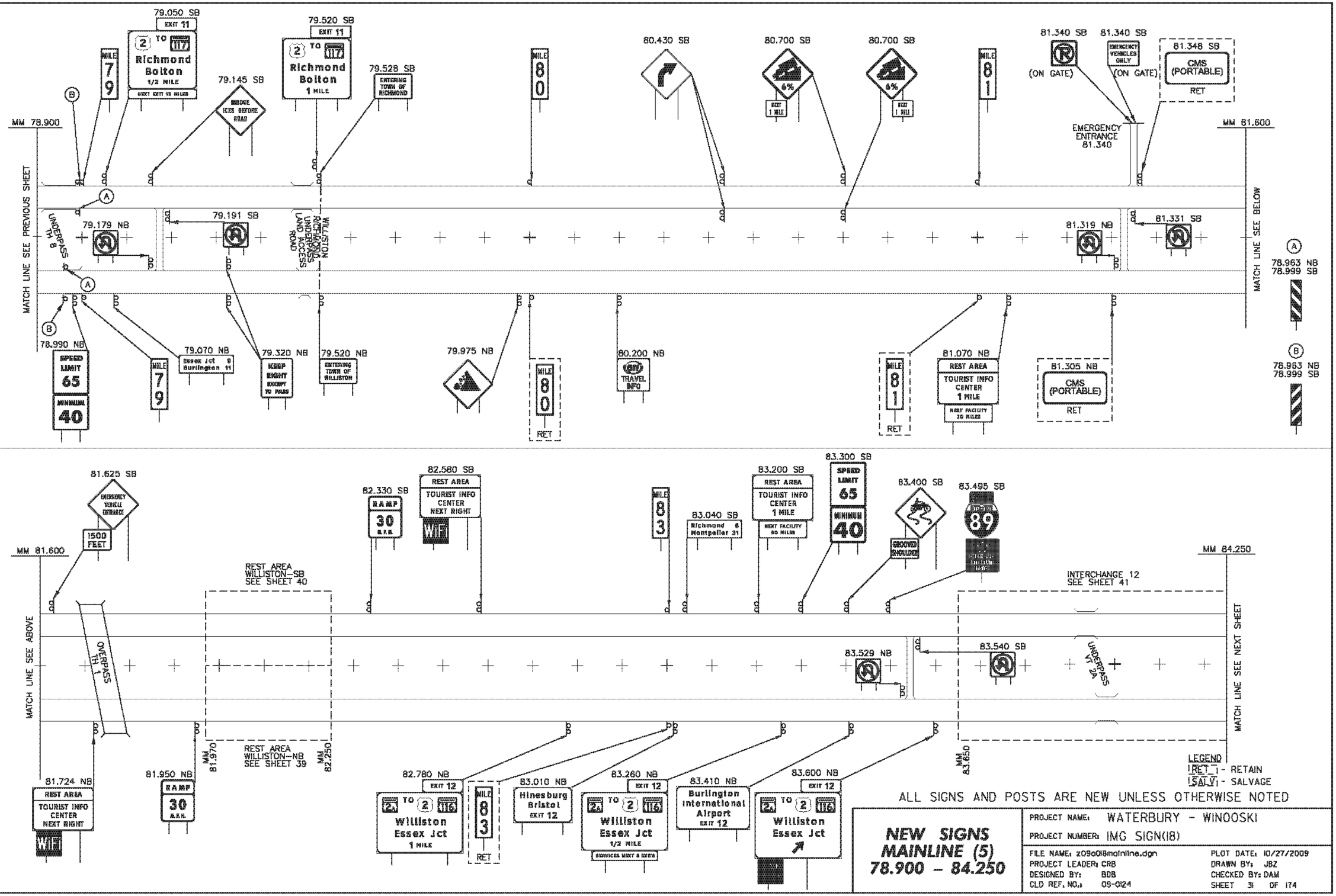


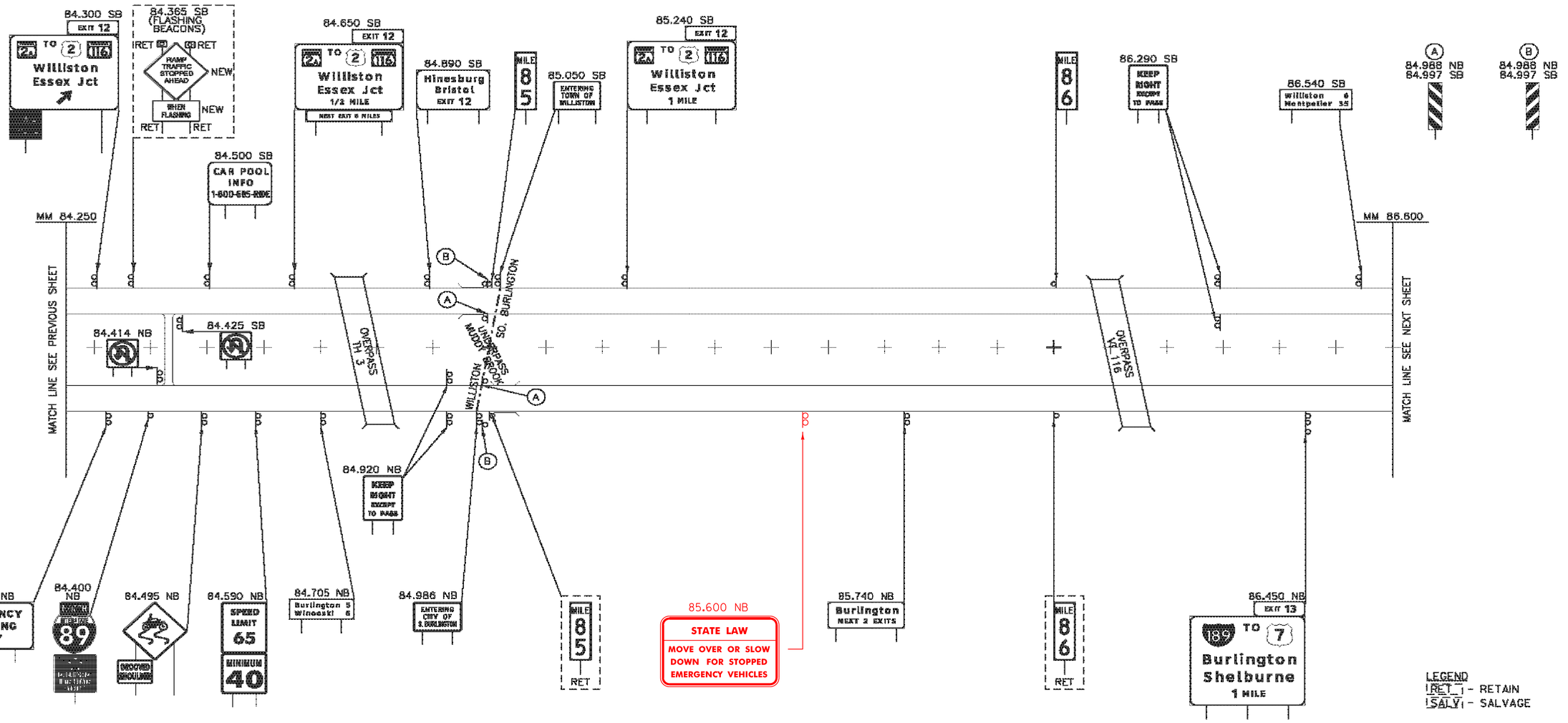
NEW SIGNS MAINLINE (4) 73.900 – 78.900

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.s: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 30 OF 174

MODEL: 04-New


MM 78.900
MATCH LINE SEE PREVIOUS SHEET
79.050 SB
EXIT 11
2 TO 117
Richmond
Bolton
1/2 MILE
NEXT EXIT 13 MILES
MILE 79
79.145 SB
BRIDGE ICES BEFORE ROAD
79.520 SB
EXIT 11
2 TO 117
Richmond
Bolton
1 MILE
79.528 SB
ENTERING TOWN OF RICHMOND
MILE 80
80.430 SB
80.700 SB
6%
NEXT 1 MILE
80.700 SB
6%
NEXT 1 MILE
MILE 81
81.340 SB
(ON GATE)
81.340 SB
EMERGENCY VEHICLES ONLY
(ON GATE)
81.348 SB
CMS (PORTABLE)
RET
EMERGENCY ENTRANCE 81.340
MM 81.600
MATCH LINE SEE BELOW
UNDERPASS TH 8
79.179 NB
79.191 SB
WILLISTON RICHMOND UNDERPASS LAND ACCESS ROAD
81.319 NB
81.331 SB
A
78.963 NB
78.999 SB
B
78.963 NB
78.999 SB
78.990 NB
SPEED LIMIT 65
MINIMUM 40
MILE 79
79.070 NB
Essex Jct 8
Burlington 11
79.320 NB
KEEP RIGHT EXCEPT TO PASS
79.520 NB
ENTERING TOWN OF WILLISTON
79.975 NB
MILE 80
RET
80.200 NB
TRAVEL INFO
MILE 81
RET
81.070 NB
REST AREA
TOURIST INFO CENTER
1 MILE
NEXT FACILITY 20 MILES
81.305 NB
CMS (PORTABLE)
RET
83.300 SB
SPEED LIMIT 65
MINIMUM 40
81.625 SB
EMERGENCY VEHICLE ENTRANCE
1500 FEET
MM 81.600
REST AREA WILLISTON–SB SEE SHEET 40
82.330 SB
RAMP
30
M.P.H.
82.580 SB
REST AREA
TOURIST INFO CENTER
NEXT RIGHT
WiFi
MILE 83
83.040 SB
Richmond 6
Montpelier 31
83.200 SB
REST AREA
TOURIST INFO CENTER
1 MILE
NEXT FACILITY 80 MILES
83.400 SB
GROOVED SHOULDER
83.495 SB
INTERSTATE 89
MM 84.250
INTERCHANGE 12 SEE SHEET 41
MATCH LINE SEE ABOVE
MATCH LINE SEE NEXT SHEET
OVERPASS TH 1
83.529 NB
83.540 SB
UNDERPASS VT 2A
81.724 NB
REST AREA
TOURIST INFO CENTER
NEXT RIGHT
WiFi
81.950 NB
RAMP
30
M.P.H.
MM 81.970
REST AREA WILLISTON–NB SEE SHEET 39
MM 82.250
MM 83.650
82.780 NB
EXIT 12
2A TO 2 116
Williston
Essex Jct
1 MILE
MILE 83
RET
83.010 NB
Hinesburg
Bristol
EXIT 12
83.260 NB
EXIT 12
2A TO 2 116
Williston
Essex Jct
1/2 MILE
SERVICES NEXT 6 EXITS
83.410 NB
Burlington
International
Airport
EXIT 12
83.600 NB
EXIT 12
2A TO 2 116
Williston
Essex Jct
LEGEND
RET - RETAIN
SAL - SALVAGE
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
NEW SIGNS MAINLINE (5)
78.900 – 84.250
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 31 OF 174
MODEL: 05-New



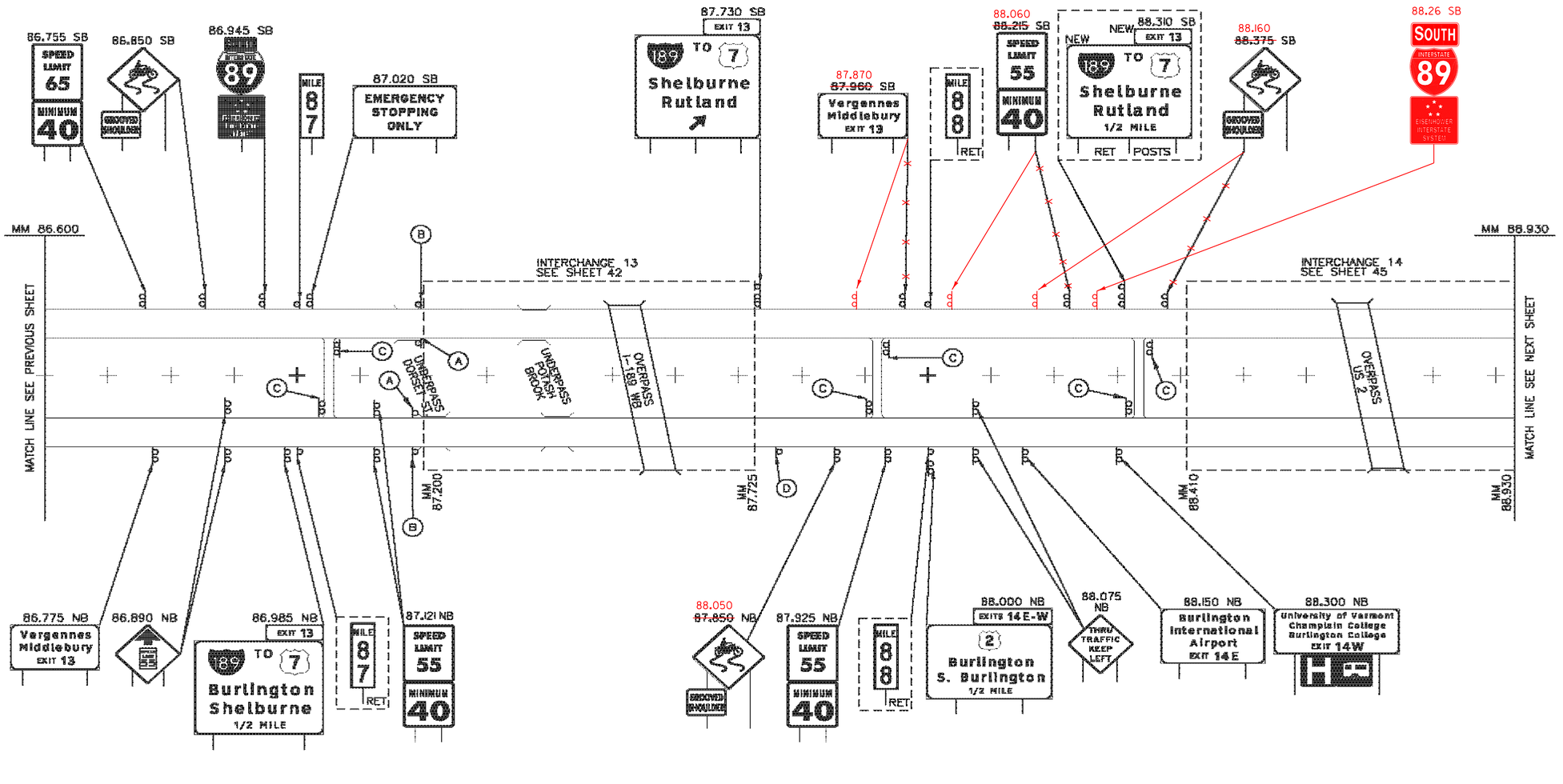
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

NEW SIGNS MAINLINE (6) 84.250 – 86.600

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 32 OF 174

MODEL: 06-New



ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

NEW SIGNS MAINLINE (7) 86.600 – 88.930

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 33 OF 174

MODEL: 07-New

MATCH LINE SEE PREVIOUS SHEET

MM 88.930

89.005 SB
MILE 89 RET
EXIT 35 M.P.H.

89.150 SB
Burlington International Airport EXIT 14E

89.315 SB
GROOVED PAVEMENT

89.450 SB
SPEED LIMIT 55
MINIMUM 40

89.570 SB
University of Vermont Champlain College Burlington College EXIT 14W

89.670 SB
THRU TRAFFIC KEEP LEFT

89.959 SB
RET

MILE 90 RET

90.050 SB
BRIDGE ICES BEFORE ROAD

90.150 SB
INTERSTATE 89

OVERPASS PATCHEN ROAD

SOUTH BRS BURLINGTON

WINOOSKI RIVER

INTERCHANGE 15
SEE SHEET 46

UNDERPASS NEC RR

UNDERPASS VT 15

UNDERPASS LA FOUNTAIN

WINOOSKI RIVER

COLCHESTER

MM 90.190

MM 90.500

MM 91.600

90.910 SB
STATE LAW
MOVE OVER OR SLOW DOWN FOR STOPPED EMERGENCY VEHICLES

90.567 NB
90.627 SB
A

90.567 NB
90.627 SB
B

END PROJECT
IMG SIGN (18)
(MM 90.910)

90.770 SB
Burlington 3
Montpelier 36

MOVED TO MEDIAN BY U-TURN

90.914 SB
ENTERING CITY OF WINOOSKI

86.041 NB
89.055 SB
89.767 NB
89.776 SB
90.146 NB
90.153 SB
90.875 NB
90.913 SB
C
RET

89.780 SB
EXITS 14E-W
E
2 Burlington
S. Burlington
1 MILE

89.410 SB BRIDGE MOUNTED
D
EXITS 14E-W
2 Burlington
S. Burlington
1/2 MILE

89.890 NB
89.966 SB
F
WINOOSKI RIVER

88.933 SB OVERHEAD
G
EXIT 14E NEW
EXIT 14W NEW
THRU TRAFFIC
RET
2 EAST
S. Burlington
EXIT ¼ MILE
RET
2 WEST
Burlington
RET

89.890 NB
89.966 SB
H
RET

89.890 NB
89.959 SB
I
RET

89.815 SB
J
ENTERING CITY OF S. BURLINGTON

89.150 NB
~~89.065 NB~~
MILE 89 RET
INTERSTATE 89

89.250 NB
~~89.140 NB~~
GROOVED PAVEMENT

89.350 NB
~~89.215 NB~~
SPEED LIMIT 55
MINIMUM 40

89.300 NB
EXIT 15
15 Winooski
Essex Jct
1 MILE

89.460 NB
St. Michael's College
EXIT 15
Champlain Valley Exposition

89.665 NB
EXIT 15
15 Winooski
Essex Jct
1/2 MILE

89.740 NB
BRIDGE ICES BEFORE ROAD

89.815 NB
EXIT 15
15 Winooski
Essex Jct
EXIT ONLY

89.873 NB
EXIT 45 M.P.H.
RET

90.000 NB
ENTERING CITY OF WINOOSKI

MILE 90 RET

90.735 NB
EXIT 16
2 7 Winooski
Colchester
1/2 MILE

90.868 NB
ENTERING TOWN OF COLCHESTER

LEGEND
RET - RETAIN
SALV - SALVAGE

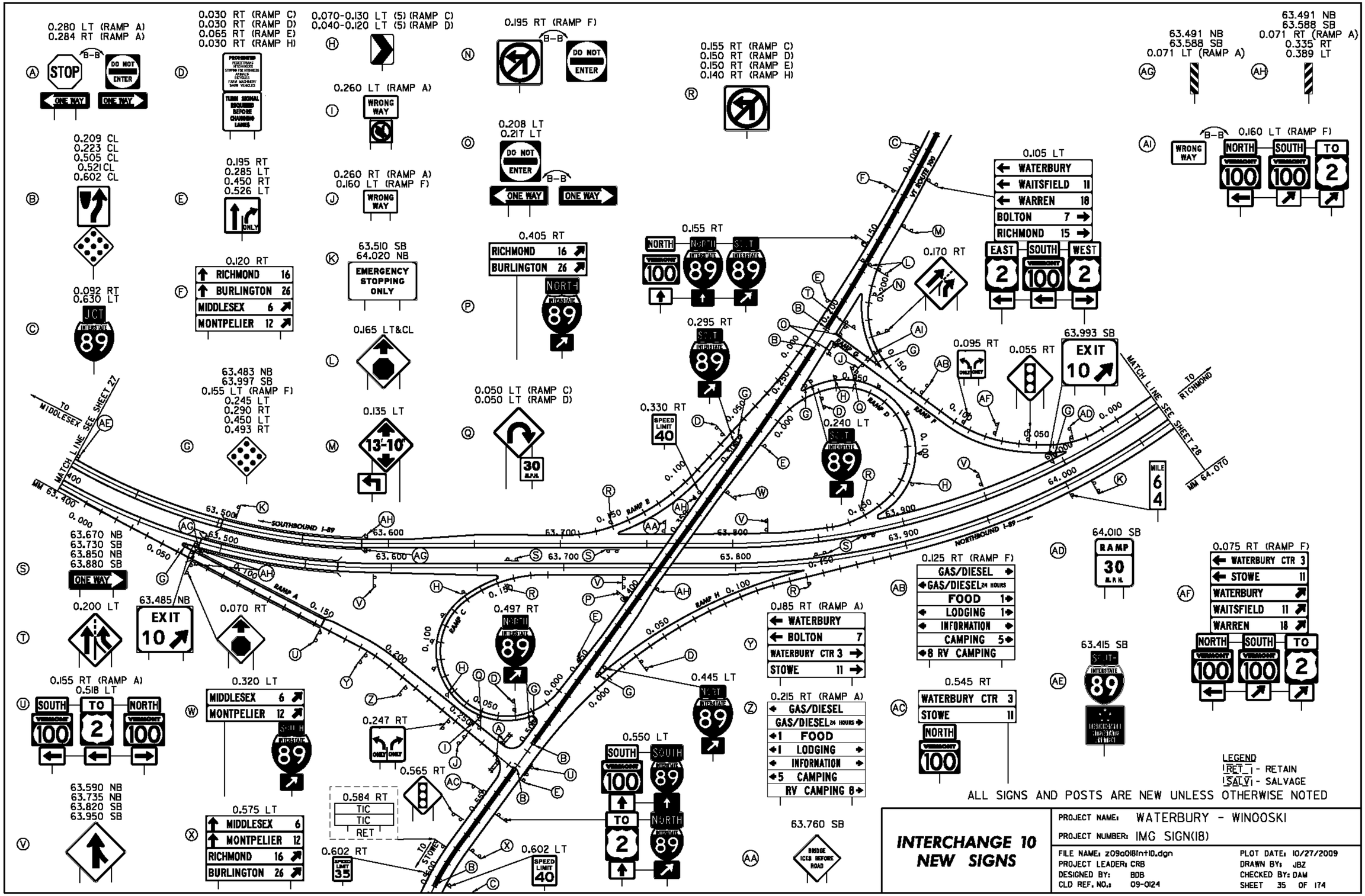
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

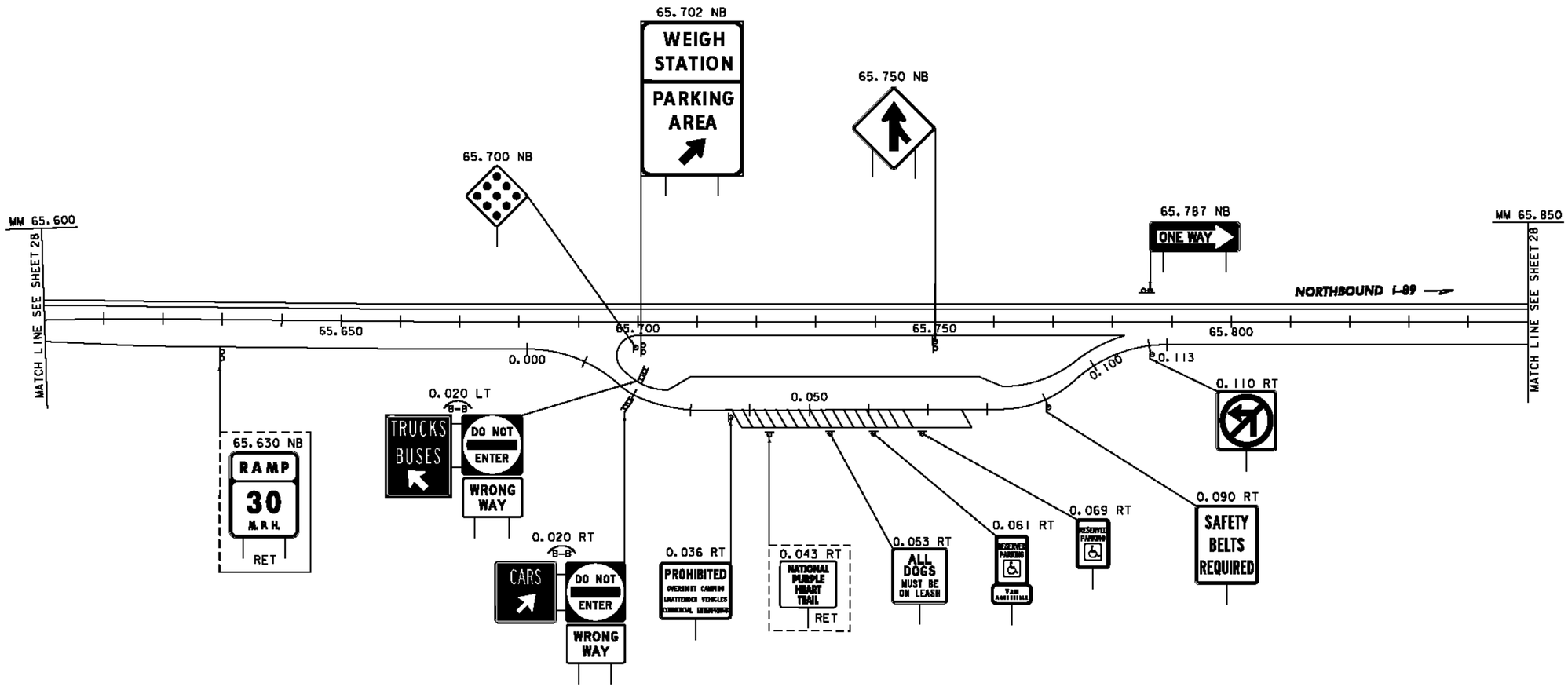
NEW SIGNS MAINLINE (8)
88.930 – 91.600

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09018mainline.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 34 OF 174

MODEL: 08-New


0.280 LT (RAMP A)
0.284 RT (RAMP A)
A
STOP
DO NOT ENTER
ONE WAY
ONE WAY
B-B
0.209 CL
0.223 CL
0.505 CL
0.521 CL
0.602 CL
B
0.092 RT
0.630 LT
C
JCT
INTERSTATE
89
TO MIDDLESEX
SEE SHEET 27
MATCH LINE
AE
0.030 RT (RAMP C)
0.030 RT (RAMP D)
0.065 RT (RAMP E)
0.030 RT (RAMP H)
D
PROHIBITED
PEDESTRIANS
BICYCLISTS
STOPPING FOR VEHICLES
ANIMAL DRAWN VEHICLES
FARM MACHINERY
SNOW VEHICLES
TURN SIGNAL REQUIRED BEFORE CHANGING LANES
0.195 RT
0.285 LT
0.450 RT
0.526 LT
E
ONLY
0.120 RT
F
RICHMOND 16
BURLINGTON 26
MIDDLESEX 6
MONTPELIER 12
63.483 NB
63.997 SB
0.155 LT (RAMP F)
0.245 LT
0.290 RT
0.450 LT
0.493 RT
G
0.070-0.130 LT (5) (RAMP C)
0.040-0.120 LT (5) (RAMP D)
H
0.260 LT (RAMP A)
I
WRONG WAY
0.260 RT (RAMP A)
0.160 LT (RAMP F)
J
WRONG WAY
63.510 SB
64.020 NB
K
EMERGENCY STOPPING ONLY
0.165 LT&CL
L
0.135 LT
M
13'-10"
0.195 RT (RAMP F)
N
B-B
DO NOT ENTER
0.208 LT
0.217 LT
O
DO NOT ENTER
B-B
ONE WAY
ONE WAY
0.405 RT
RICHMOND 16
BURLINGTON 26
P
NORTH
INTERSTATE
89
0.050 LT (RAMP C)
0.050 LT (RAMP D)
Q
30
0.155 RT (RAMP C)
0.150 RT (RAMP D)
0.150 RT (RAMP E)
0.140 RT (RAMP H)
R
63.491 NB
63.588 SB
0.071 LT (RAMP A)
AG
63.491 NB
63.588 SB
0.071 RT (RAMP A)
0.335 RT
0.389 LT
AH
B-B
0.160 LT (RAMP F)
AI
WRONG WAY
NORTH
SOUTH
TO
VERMONT
100
2
0.105 LT
WATERBURY
WAITSFIELD 11
WARREN 18
BOLTON 7
RICHMOND 15
EAST
SOUTH
WEST
2
100
2
0.155 RT
NORTH
INTERSTATE
89
SOUTH
INTERSTATE
89
0.170 RT
0.295 RT
SOUTH
INTERSTATE
89
0.330 RT
SPEED LIMIT 40
0.240 LT
SOUTH
INTERSTATE
89
0.095 RT
ONLY
ONLY
0.055 RT
63.993 SB
EXIT
10
MATCH LINE SEE SHEET 28
TO RICHMOND
MILE
6
4
MM 64.070
64.000
63.900
63.800
63.700
63.600
63.500
63.400
MM 63.400
SOUTHBOUND I-89
NORTHBOUND I-89
RAMP A
RAMP B
RAMP C
RAMP D
RAMP F
RAMP H
0.000
0.050
0.100
0.150
0.200
0.250
0.300
0.350
0.400
0.450
0.500
0.550
0.600
0.650
0.700
0.750
0.800
0.850
0.900
0.950
1.000
S
63.670 NB
63.730 SB
63.850 NB
63.880 SB
ONE WAY
0.200 LT
T
63.485 NB
EXIT
10
0.070 RT
U
0.155 RT (RAMP A)
0.518 LT
SOUTH
TO
NORTH
VERMONT
100
2
100
63.590 NB
63.735 NB
63.820 SB
63.950 SB
V
0.320 LT
W
MIDDLESEX 6
MONTPELIER 12
SOUTH
INTERSTATE
89
0.575 LT
X
MIDDLESEX 6
MONTPELIER 12
RICHMOND 16
BURLINGTON 26
0.247 RT
ONLY
ONLY
0.565 RT
0.584 RT
TIC
TIC
RET
0.602 RT
SPEED LIMIT 35
TO STOWE
0.602 LT
SPEED LIMIT 40
0.497 RT
NORTH
INTERSTATE
89
0.445 LT
NORTH
INTERSTATE
89
0.550 LT
SOUTH
VERMONT
100
SOUTH
INTERSTATE
89
TO
2
NORTH
INTERSTATE
89
0.185 RT (RAMP A)
Y
WATERBURY
BOLTON 7
WATERBURY CTR 3
STOWE 11
0.215 RT (RAMP A)
Z
GAS/DIESEL
GAS/DIESEL 24 HOURS
1 FOOD
1 LODGING
INFORMATION
5 CAMPING
RV CAMPING 8
63.760 SB
BRIDGE ICES BEFORE ROAD
AA
0.125 RT (RAMP F)
AB
GAS/DIESEL
GAS/DIESEL 24 HOURS
FOOD 1
LODGING 1
INFORMATION
CAMPING 5
8 RV CAMPING
0.545 RT
AC
WATERBURY CTR 3
STOWE 11
NORTH
VERMONT
100
64.010 SB
AD
RAMP
30
63.415 SB
AE
SOUTH
INTERSTATE
89
0.075 RT (RAMP F)
AF
WATERBURY CTR 3
STOWE 11
WATERBURY
WAITSFIELD 11
WARREN 18
NORTH
SOUTH
TO
VERMONT
100
100
2
LEGEND
RET - RETAIN
SALV - SALVAGE
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
INTERCHANGE 10
NEW SIGNS
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018fnt10.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 35 OF 174



LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

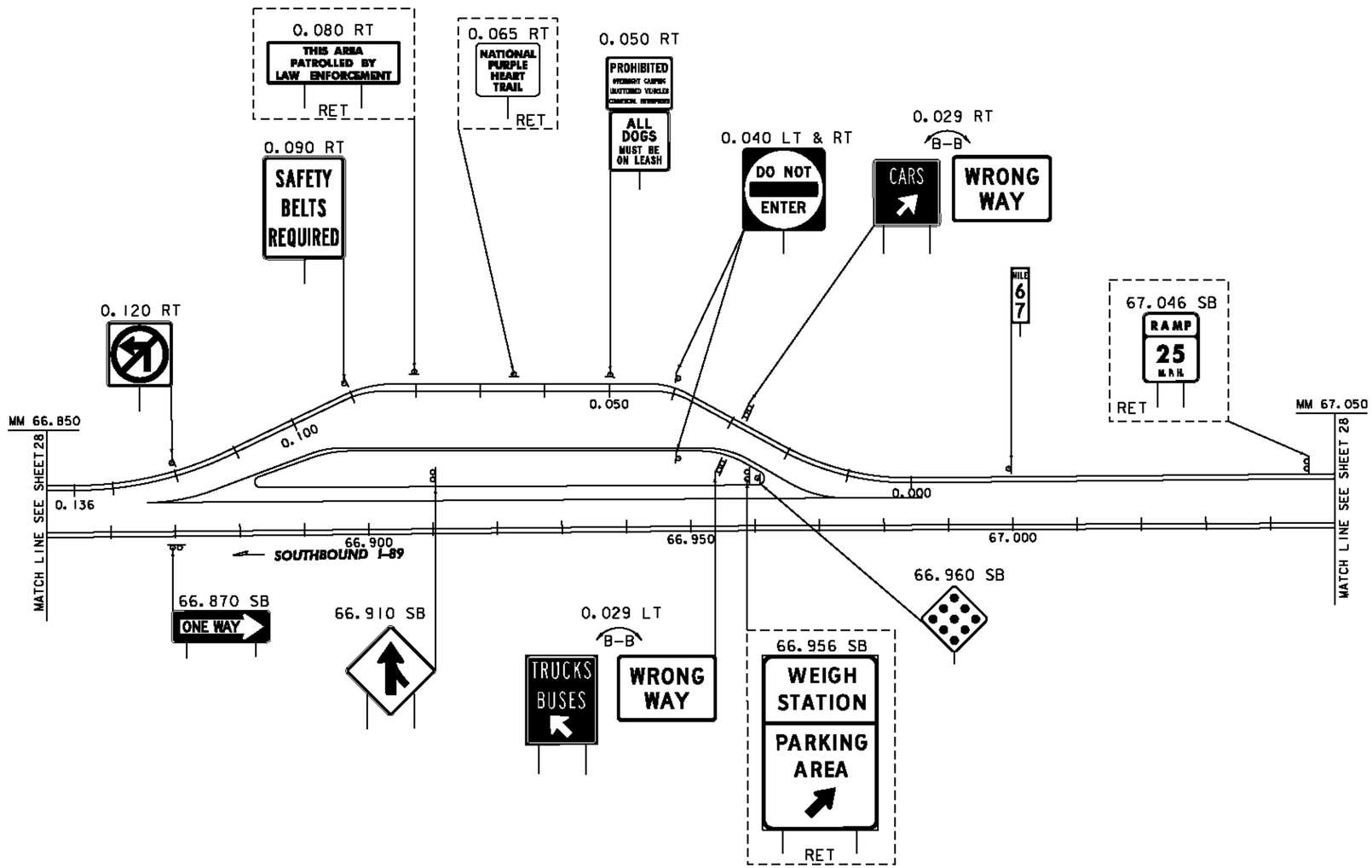
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

PARKING AREA
WATERBURY NB
NEW SIGNS
MM 65.735

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(65).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 36 OF 174

MODEL: New



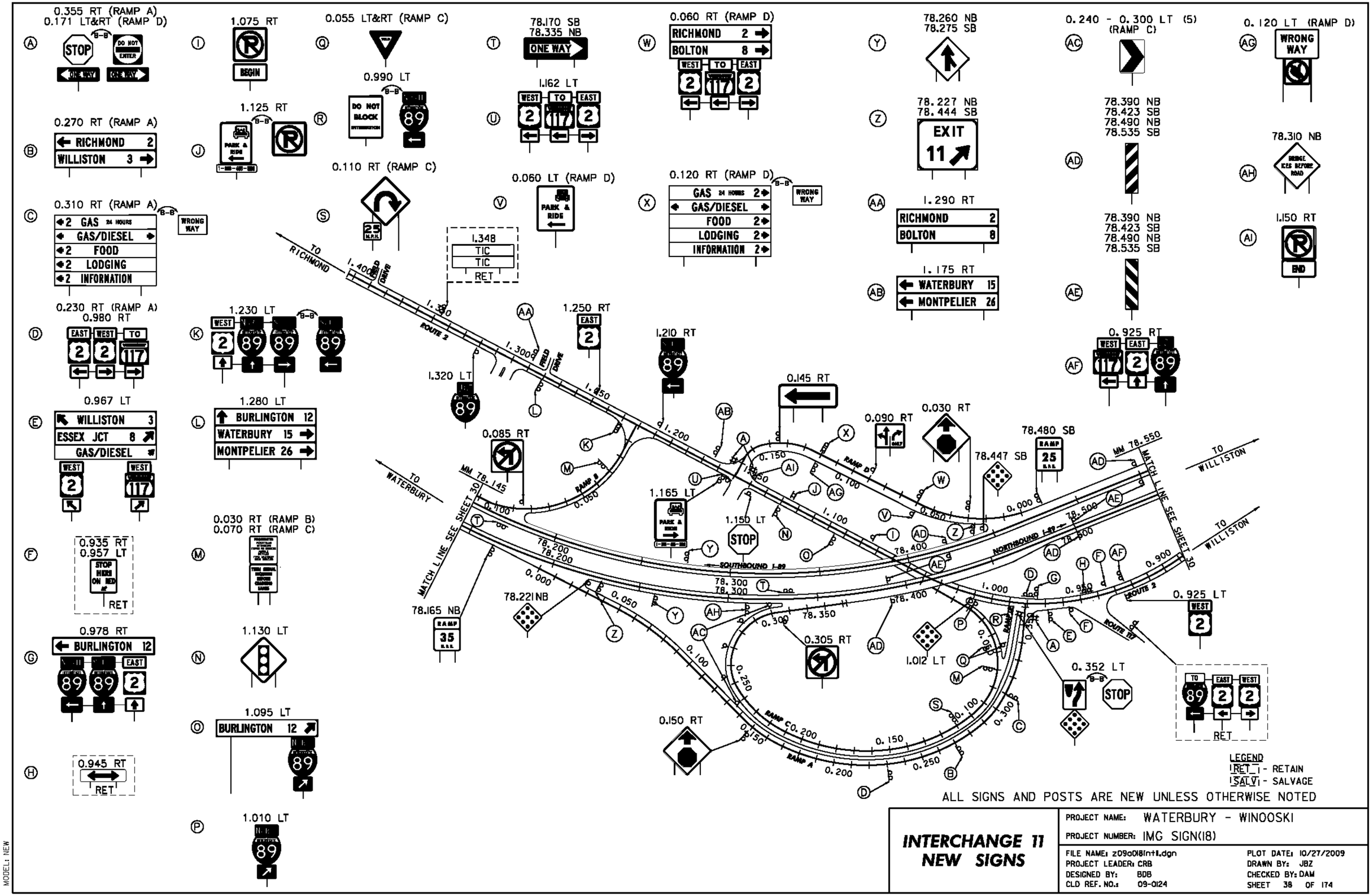
LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

PARKING AREA
WATERBURY SB
NEW SIGNS
MM 66.930

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o18rest-SB(67).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 37 OF 174



LEGEND
RET - RETAIN
SALV - SALVAGE

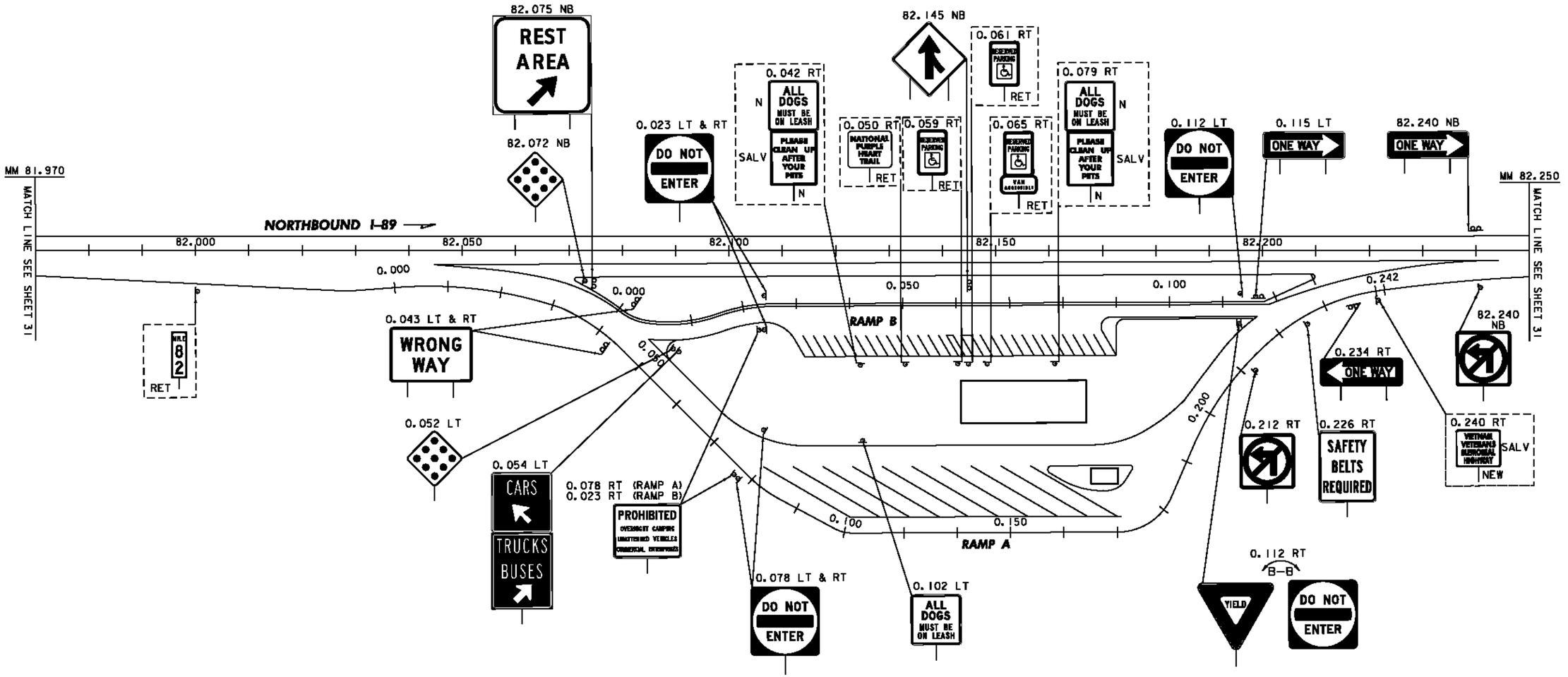
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

INTERCHANGE 11 NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int1.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 38 OF 174

MODEL: NEW



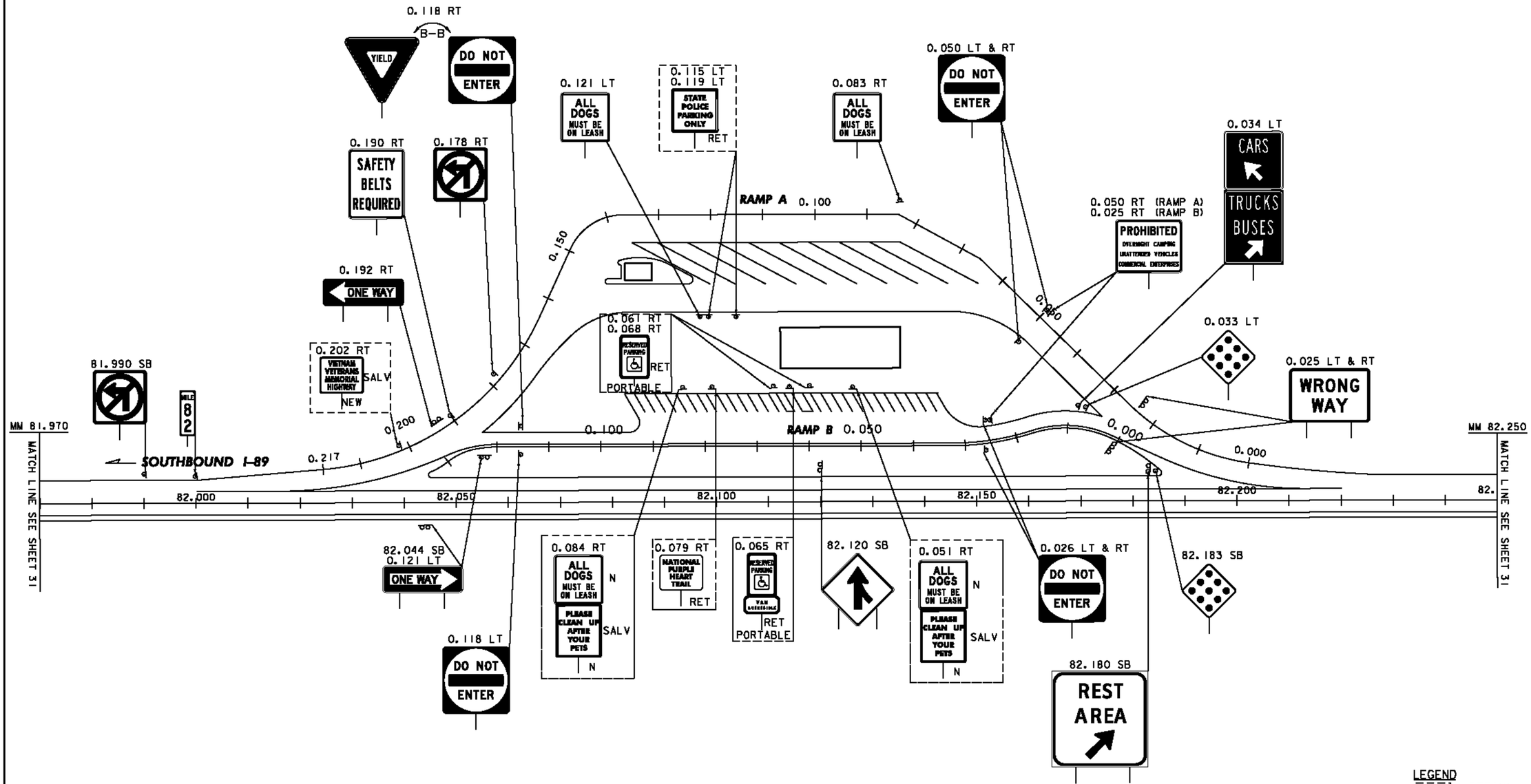
LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

REST AREA
WILLISTON NB
NEW SIGNS
MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 39 OF 174



LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

REST AREA
WILLISTON SB
NEW SIGNS
MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-SB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 40 OF 174

MODEL: New

ERECTING SALVAGED SIGNS
2

0.247 LT&RT (RAMP A)
0.187 LT&RT (RAMP C)
Ⓐ DO NOT ENTER, ONE WAY, ONE WAY

Ⓑ 2.905 RT
NORTH 2A TO 2 TO 116
SOUTH 2A TO 116 2

Ⓒ 0.135 RT (RAMP C)
HINESBURG 8
BRISTOL 25

Ⓓ 0.135 LT (RAMP C)
WILLISTON 3
ESSEX JCT 4

Ⓔ 0.160 RT (RAMP C)
SERVICES
LODGING
STATE POLICE
WRONG WAY

Ⓕ 0.110 RT (RAMP A)
3.000 LT
SOUTH 2A TO 116
NORTH 2A TO 2

Ⓖ 0.180 RT (RAMP A)
SERVICES
LODGING
STATE POLICE
WRONG WAY

Ⓗ 2.847 RT
SPEED LIMIT 35

Ⓘ 2.905 RT
NORTH 2A

2.830 RT
SALV (2)
NEW STOP

2.775 RT
ONLY
RET

2.742 RT
FLASHING BEACON
RET
800 FT

2.805 RT
JCT 89

2.844 LT
SPEED LIMIT 40
ONLY

0.210 RT

0.040 RT

Ⓙ 2.875 RT
BURLINGTON 6
MONTPELIER 32

Ⓚ 2.936 RT

Ⓛ 2.965 RT
BURLINGTON 6

Ⓜ 3.060 LT
NORTH 89 89

Ⓝ 3.050 RT
WILLISTON 3
ESSEX JCT 4
NORTH 2A TO 2

Ⓞ 2.944 LT
MONTPELIER 32

Ⓟ 3.080 RT
EMERGENCY VEHICLES

Ⓠ 3.085 LT
MONTPELIER 32
BURLINGTON 6

Ⓡ 3.000 LT
NORTH 89

84.049 SB
EXIT 12

0.075 RT

84.053 SB

MM 83.650
MM 84.250
MATCH LINE SEE SHEET31
MATCH LINE SEE SHEET32
TO RICHMOND
TO BURLINGTON
SOUTHBOUND I-89
NORTHBOUND I-89
RAMP A
RAMP B
RAMP C
RAMP D
ROUTE 2A
TO HINESBURG
TO ESSEX JUNCTION
HURRICANE LANE
DRIVEWAY
MILE 84
83.750 SB
ONE WAY
84.115 NB
ONE WAY
83.765 NB
83.770 NB
EXIT 12
0.075 RT
0.215 RT
ONLY ONLY
0.040 RT
3.000 LT
3.025 LT
ONLY
3.110 LT
ONLY
3.160 LT
3.200 LT
89
3.240 LT
SPEED LIMIT 35
3.093 RT
TIC
RET
3.122 RT
TO
RET
0.160 RT

Ⓢ 2.985 LT (POLE MOUNTED)
RIGHT TURN ON RED AFTER STOPPING
RET

Ⓣ 2.980 LT
ONLY

Ⓤ 3.020 RT
SPEED LIMIT 35

Ⓥ 0.112 (RAMP C) OVERHEAD
NORTH 2A TO 2
Williston
Essex Jct
SOUTH 2A TO 116
Hinesburg
Bristol
OVERHEAD TRAFFIC SIGN SUPPORT - MULTI-SUPPORT

Ⓦ 2.905 RT
89

Ⓧ 2.975 OVERHEAD
SOUTH 89
NEW
TO 2A 116
NEW
SALVAGE EXISTING OVERHEAD TRAFFIC SIGN SUPPORT - MULTI-SUPPORT

Ⓨ 0.145 RT (RAMP A)
HINESBURG 8
BRISTOL 25
AIRPORT 3
WILLISTON 3
ESSEX JCT 4

Ⓐ 0.110 LT&RT (RAMP C)
ONLY ONLY ONLY

Ⓐ 2.875 LT
HINESBURG 8
BRISTOL 25
SOUTH 2A TO 116

Ⓐ 0.180 LT (RAMP A)
0.160 LT (RAMP C)
WRONG WAY

Ⓐ 83.850 SB
84.010 NB

Ⓐ 83.943 NB
83.987 SB

Ⓐ 83.943 NB
83.987 SB

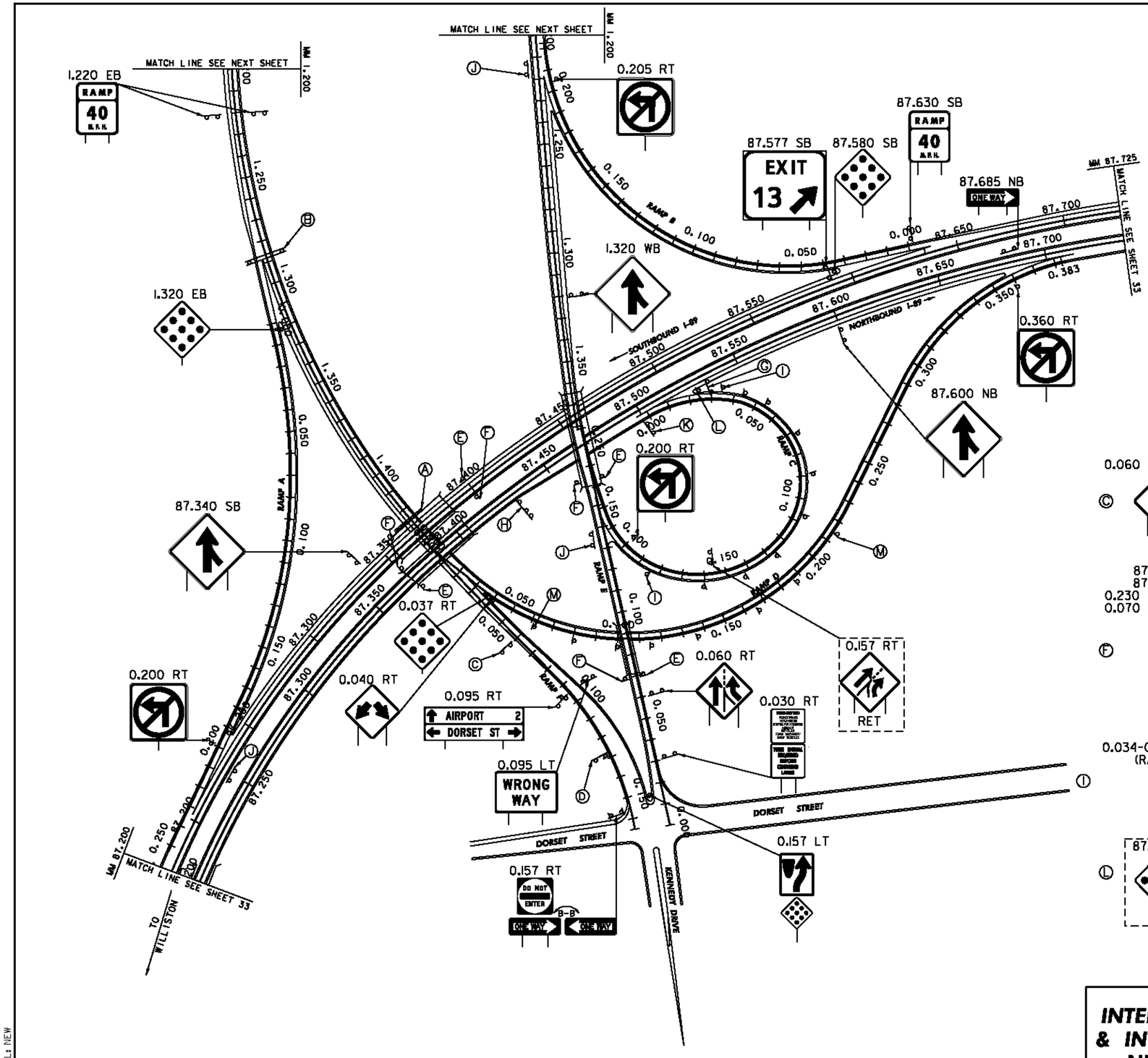
Ⓐ 84.000 NB
MILE 84
RET

LEGEND
RET - RETAIN
SALV - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

INTERCHANGE 12 NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)
FILE NAME: z09a018int12.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.s: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 41 OF 174



LEGEND
[RET] - RETAIN
[SALV] - SALVAGE

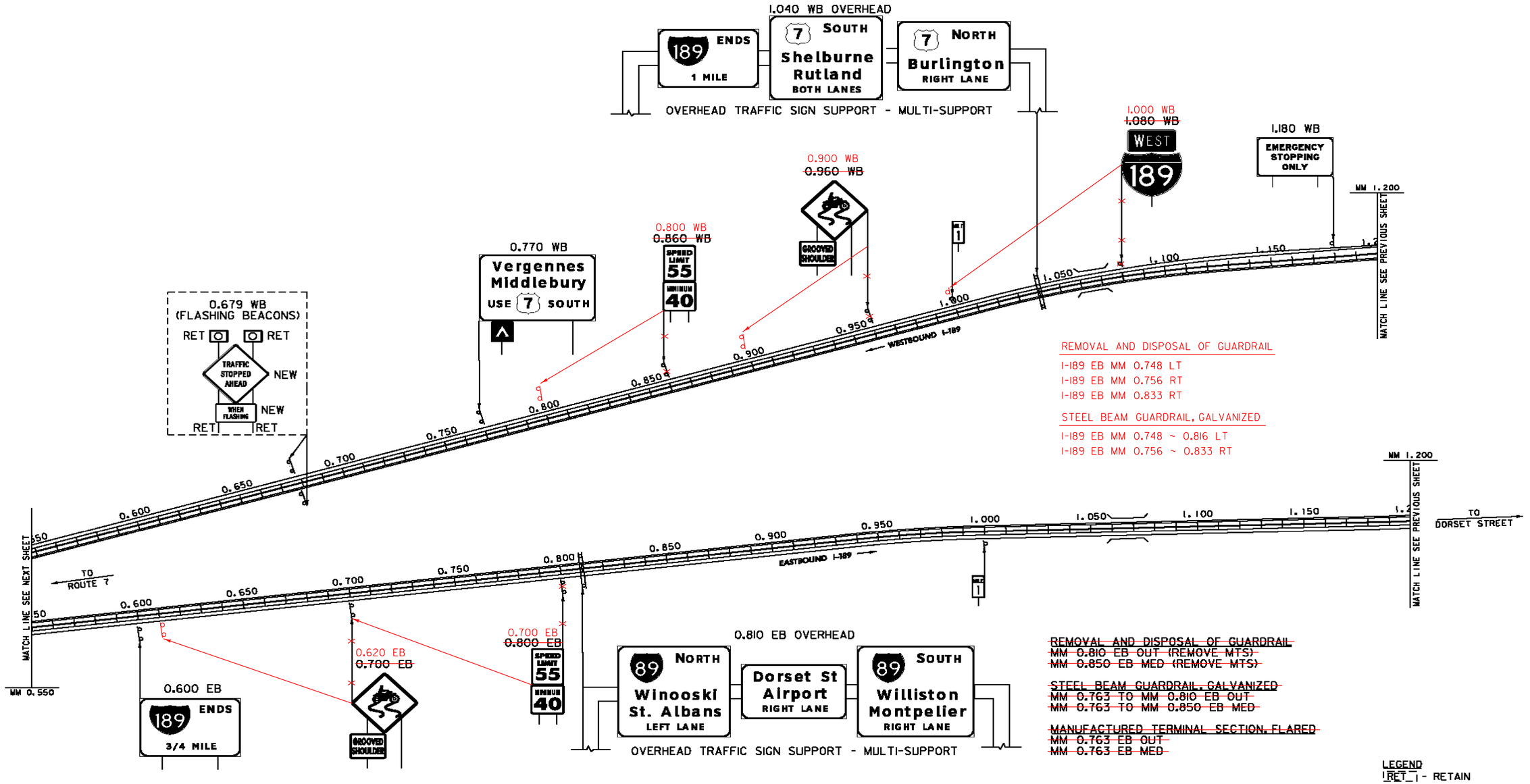
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

INTERCHANGE 13 & INTERSTATE 189 NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 42 OF 174

MODEL: NEW



REMOVAL AND DISPOSAL OF GUARDRAIL

I-189 EB MM 0.748 LT
I-189 EB MM 0.756 RT
I-189 EB MM 0.833 RT

STEEL BEAM GUARDRAIL, GALVANIZED

I-189 EB MM 0.748 ~ 0.816 LT
I-189 EB MM 0.756 ~ 0.833 RT

~~REMOVAL AND DISPOSAL OF GUARDRAIL~~
~~MM 0.810 EB OUT (REMOVE MTS)~~
~~MM 0.850 EB MED (REMOVE MTS)~~

~~STEEL BEAM GUARDRAIL, GALVANIZED~~
~~MM 0.763 TO MM 0.810 EB OUT~~
~~MM 0.763 TO MM 0.850 EB MED~~

~~MANUFACTURED TERMINAL SECTION, FLARED~~
~~MM 0.763 EB OUT~~
~~MM 0.763 EB MED~~

LEGEND
RET - RETAIN
SALV - SALVAGE

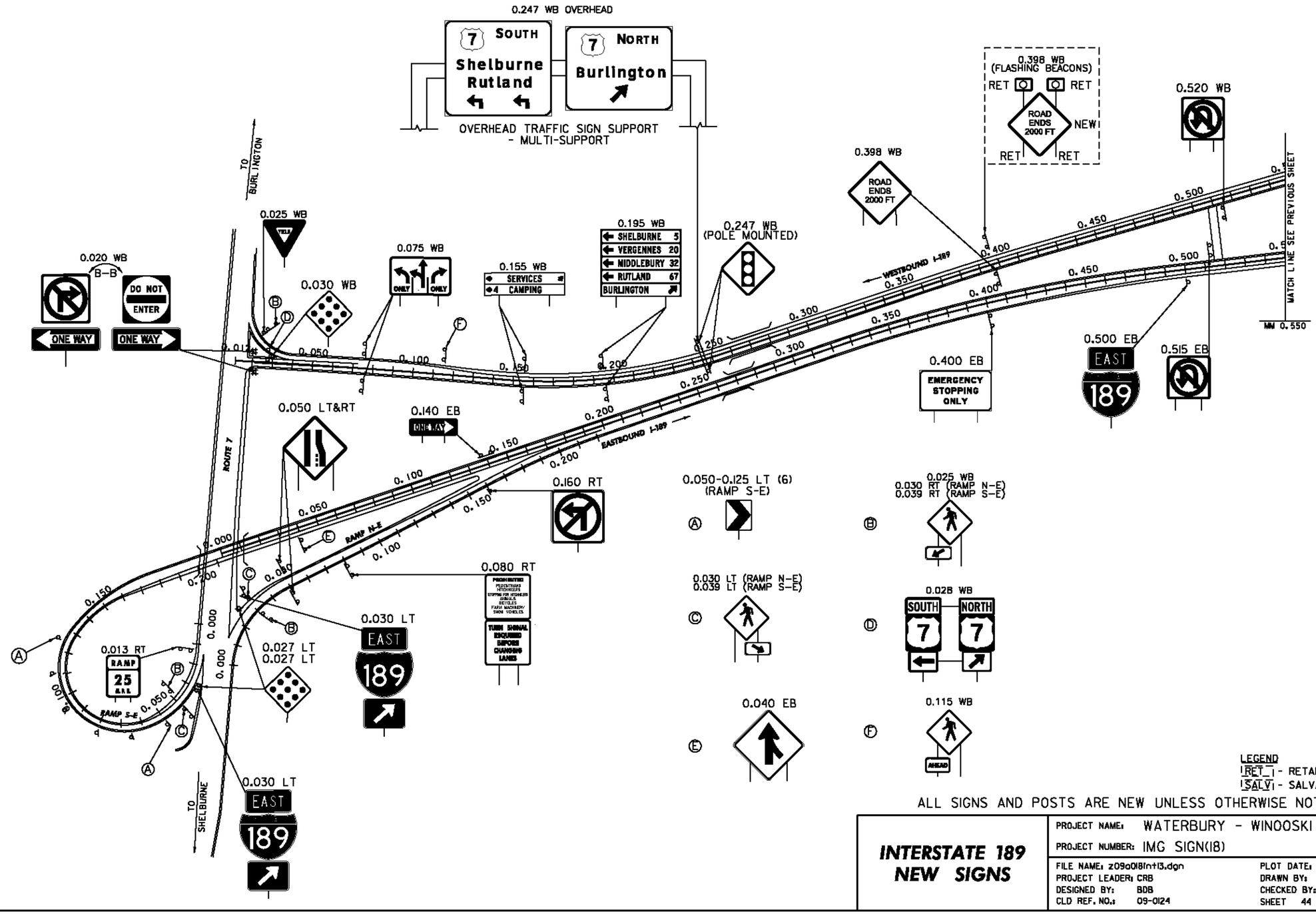
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED

INTERSTATE 189 NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018(n+13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 43 OF 174

MODEL: NEW-2

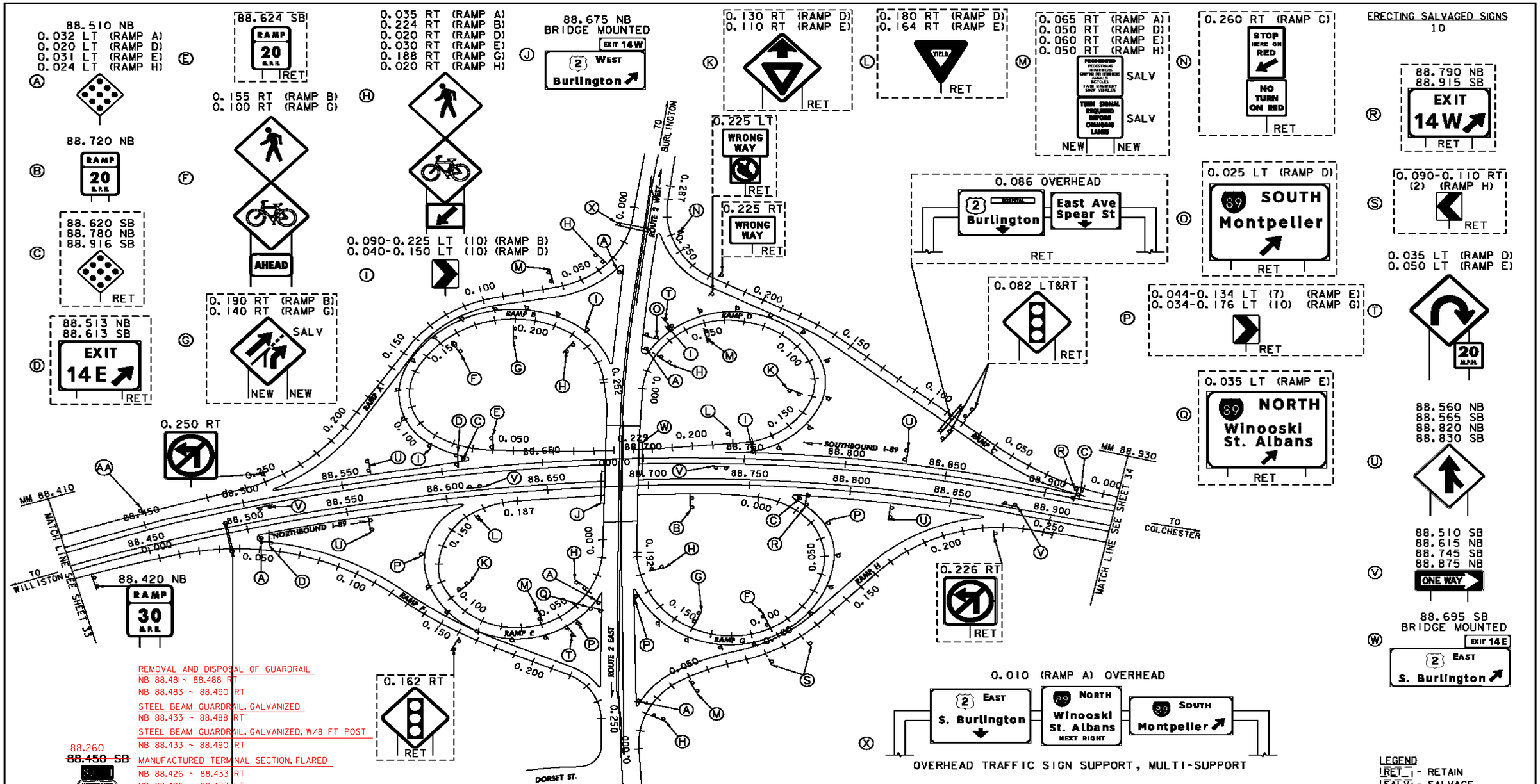


INTERSTATE 189
NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int13.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 44 OF 174

MODEL: NEW-3



REMOVAL AND DISPOSAL OF GUARDRAIL
NB 88.481 ~ 88.488 RT
NB 88.483 ~ 88.490 RT
STEEL BEAM GUARDRAIL, GALVANIZED
NB 88.433 ~ 88.488 RT
STEEL BEAM GUARDRAIL, GALVANIZED, W/8 FT POST
NB 88.433 ~ 88.490 RT
MANUFACTURED TERMINAL SECTION, FLARED
NB 88.426 ~ 88.433 RT
NB 88.426 ~ 88.433 LT

LEGEND
RET - RETAIN
SALV - SALVAGE

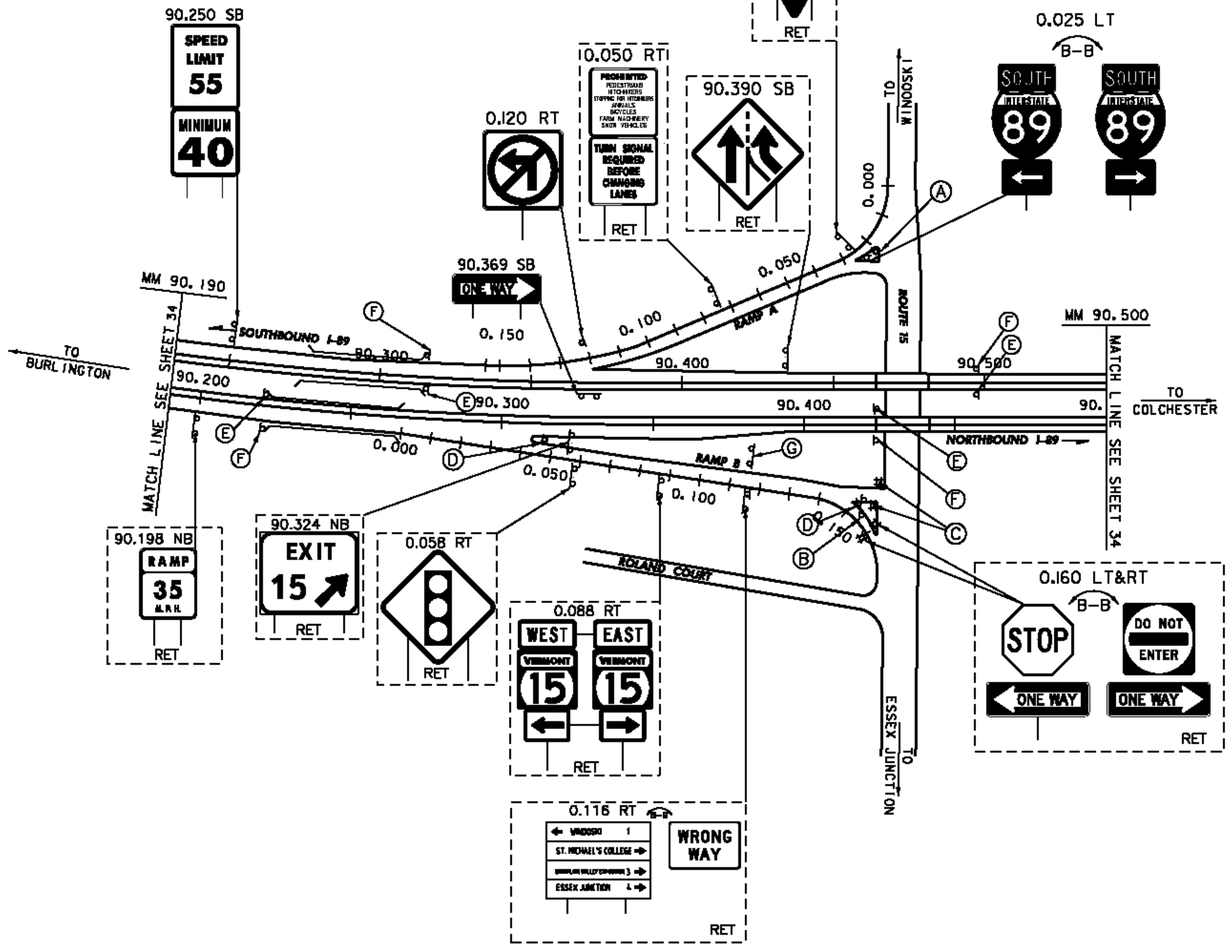
ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
FOR CLARITY, NOT ALL SIGNS ON US ROUTE 2 (CLASS I) ARE SHOWN

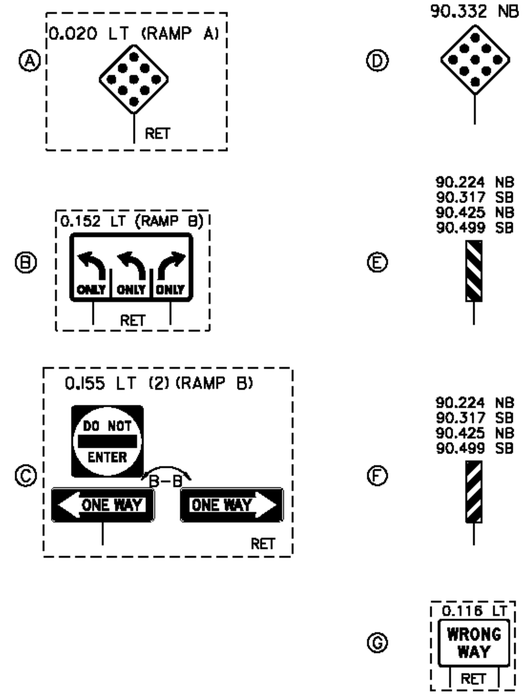
INTERCHANGE 14 NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int14.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 45 OF 174

MODEL: NEW





LEGEND
RET - RETAIN
SALV - SALVAGE

ALL SIGNS AND POSTS ARE NEW UNLESS OTHERWISE NOTED
RAMP B TO BE ADDRESSED WITH PROJECT NH 089-3(65)

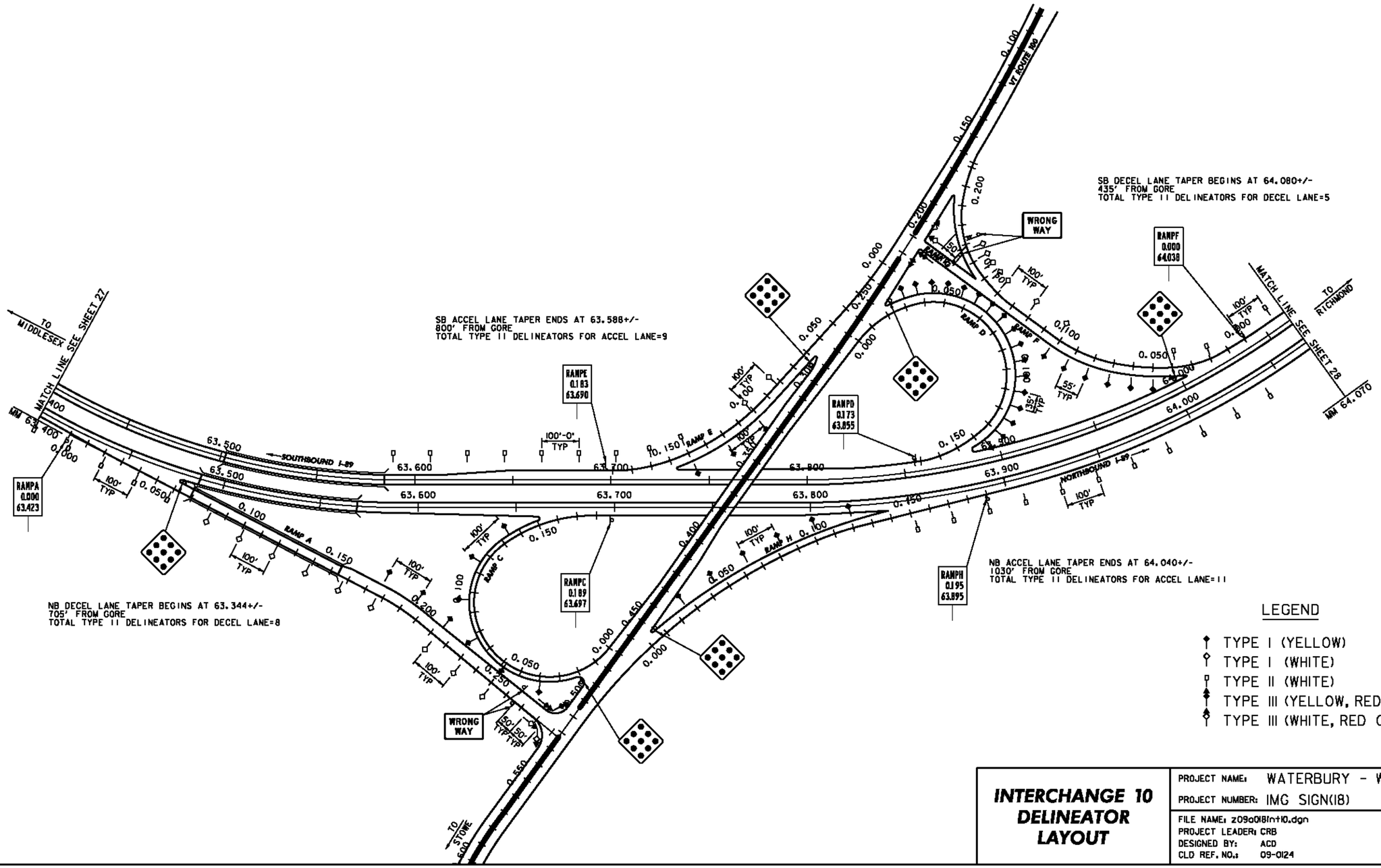
INTERCHANGE 15
NEW SIGNS

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int15.dgn
PROJECT LEADER: CRB
DESIGNED BY: BDB
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: DAM
SHEET 46 OF 174

MODEL: NEW

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

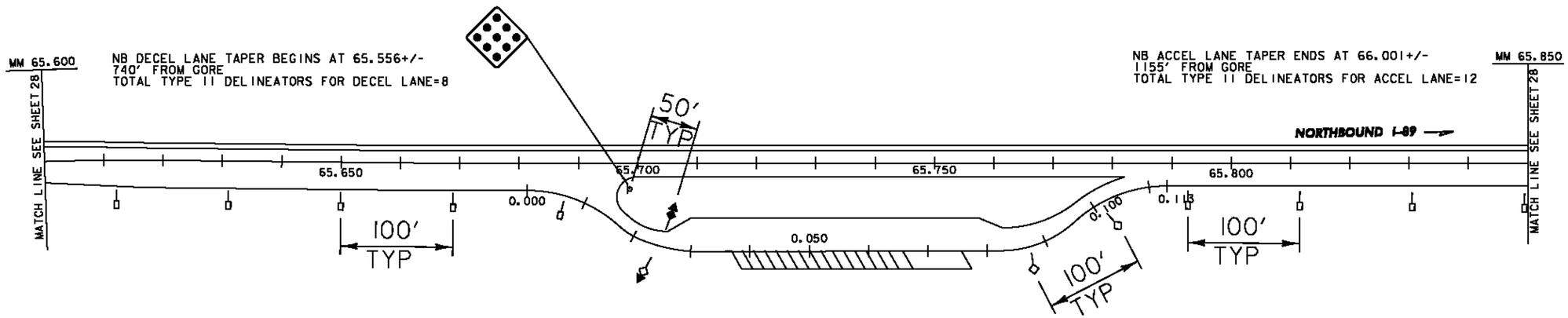
INTERCHANGE 10 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018m+10.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 47 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

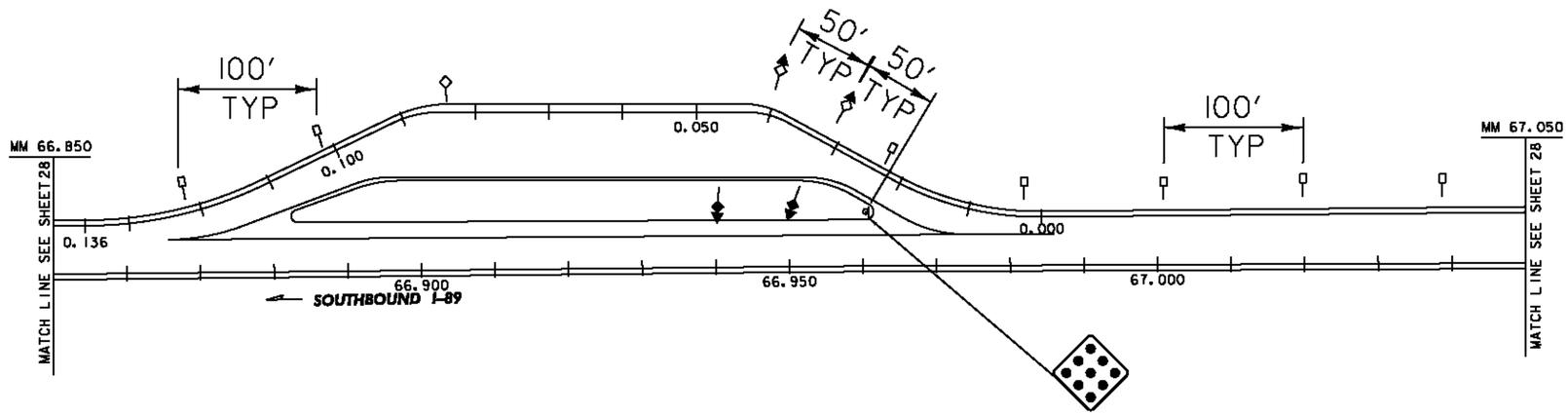
REST AREA WATERBURY NB DELINEATOR LAYOUT MM 65.735

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(65).dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 48 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



NB DECEL LANE TAPER BEGINS AT 66.660+/-
1190' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=13

NB ACCEL LANE TAPER ENDS AT 67.098+/-
740' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=8

LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

PARKING AREA WATERBURY SB DELINEATOR LAYOUT MM 66.930

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-SB(67).dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 49 OF 174

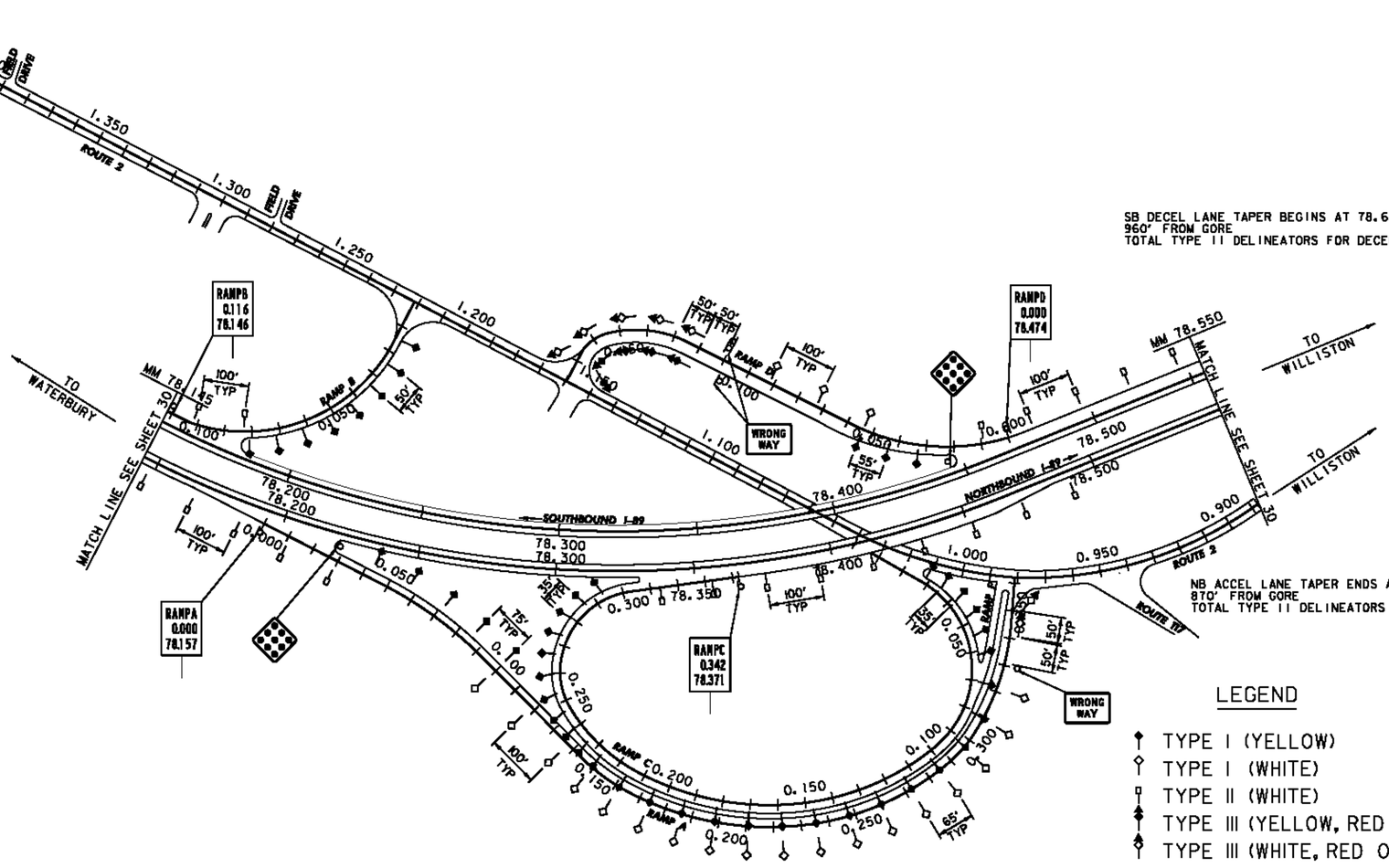
NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.

SB ACCEL LANE TAPER ENDS AT 77.990+/-
990' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=11

SB DECEL LANE TAPER BEGINS AT 78.630+/-
960' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=10

NB DECEL LANE TAPER BEGINS AT 78.129+/-
480' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=6

NB ACCEL LANE TAPER ENDS AT 78.490+/-
870' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=9



LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

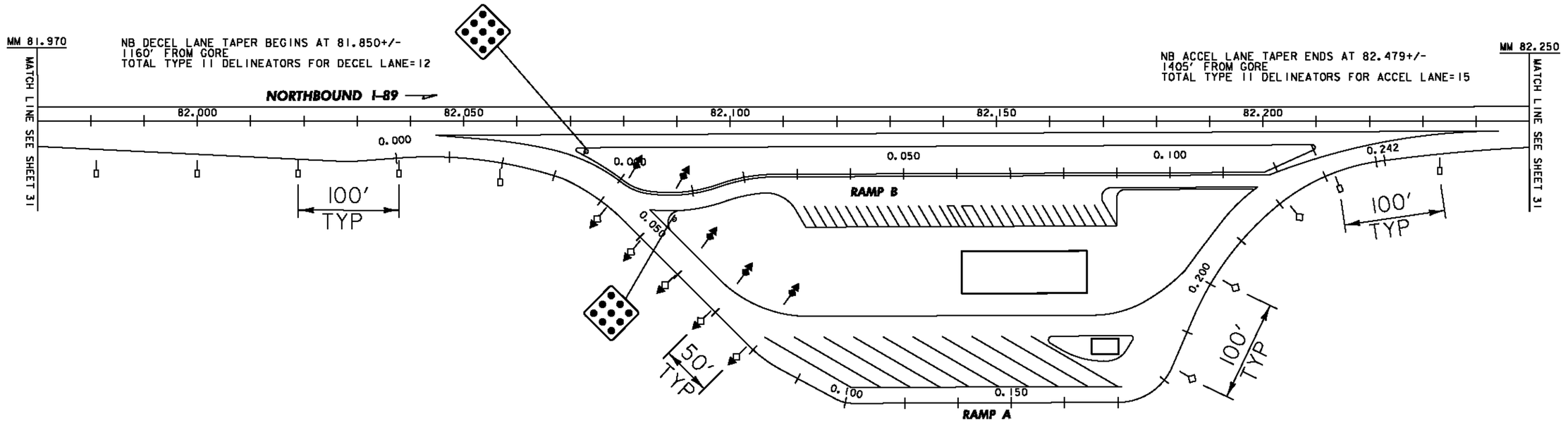
INTERCHANGE 11
DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int1.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 50 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

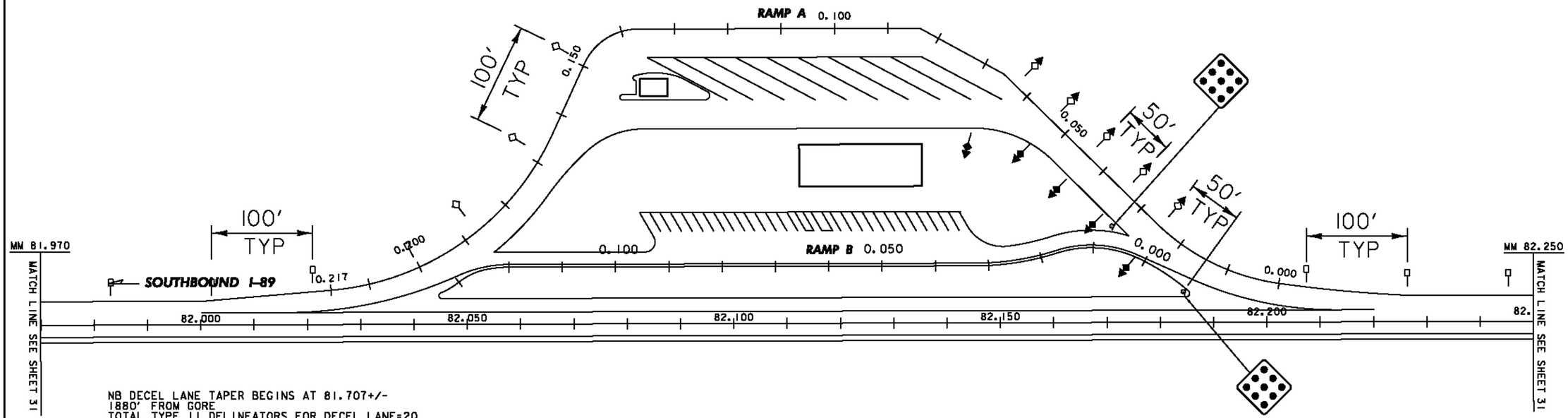
- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

REST AREA WILLISTON NB DELINEATOR LAYOUT MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rest-NB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 51 OF 174

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



NB DECEL LANE TAPER BEGINS AT 81.707+/-
1880' FROM GORE
TOTAL TYPE II DELINEATORS FOR DECEL LANE=20

NB ACCEL LANE TAPER ENDS AT 82.329+/-
760' FROM GORE
TOTAL TYPE II DELINEATORS FOR ACCEL LANE=8

LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

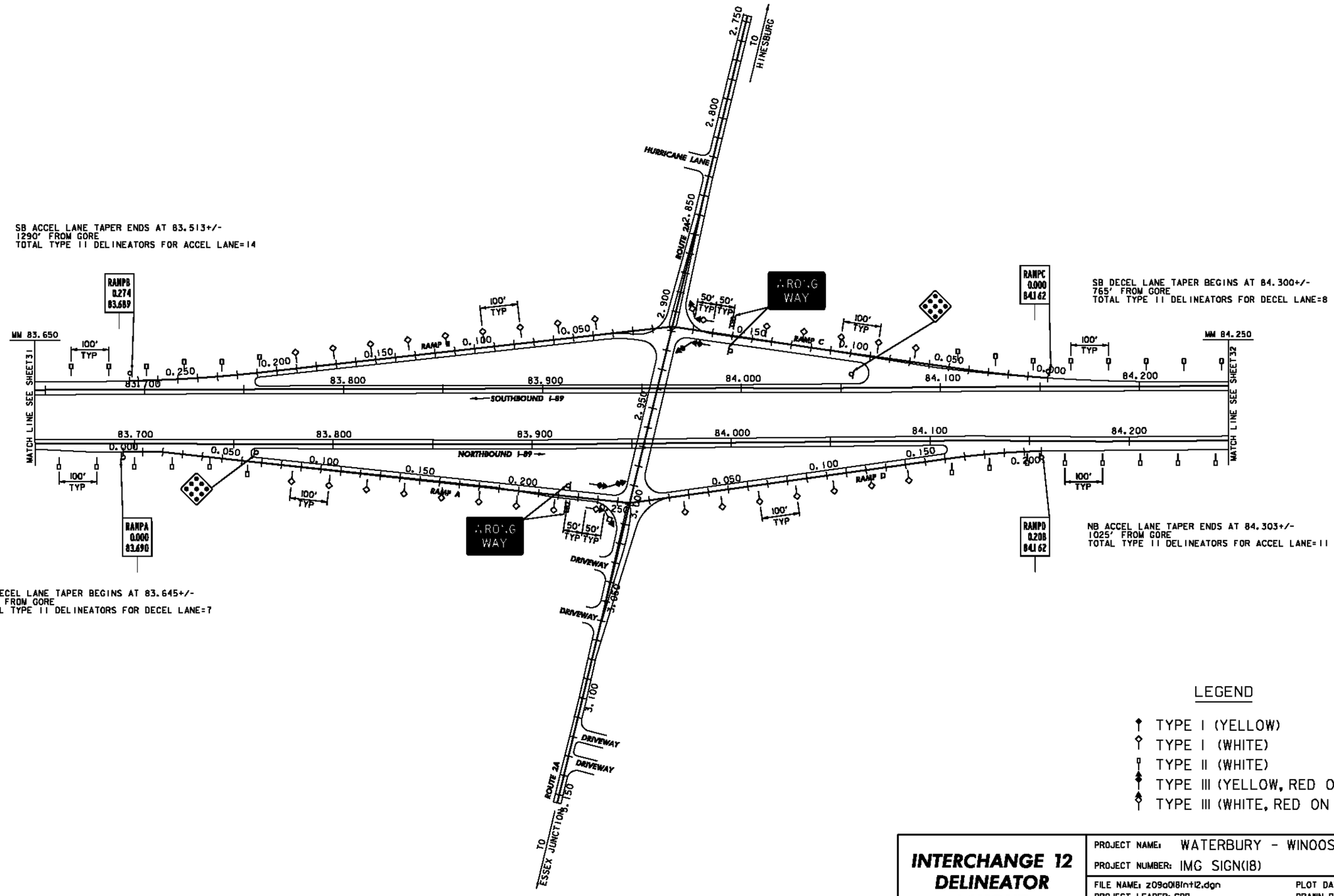
REST AREA WILLISTON SB DELINEATOR LAYOUT MM 82.140

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090181rest-SB(82).dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 52 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

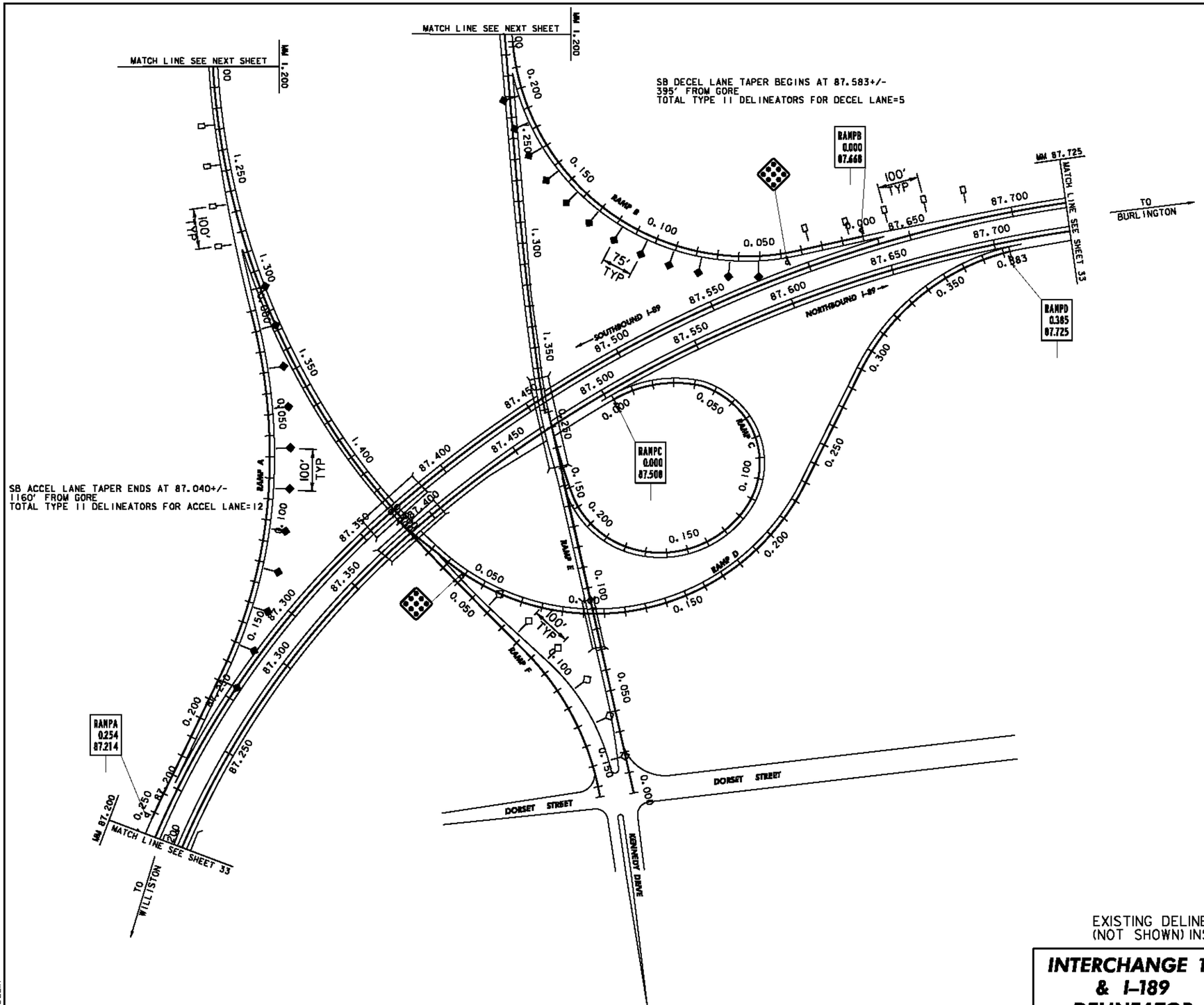
- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

INTERCHANGE 12 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int12.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 53 OF 174

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

EXISTING DELINEATORS ON THE INTERCHANGE RAMP C AND RAMP D (NOT SHOWN) INSTALLED UNDER IM 089-3(60) ARE TO BE RETAINED.

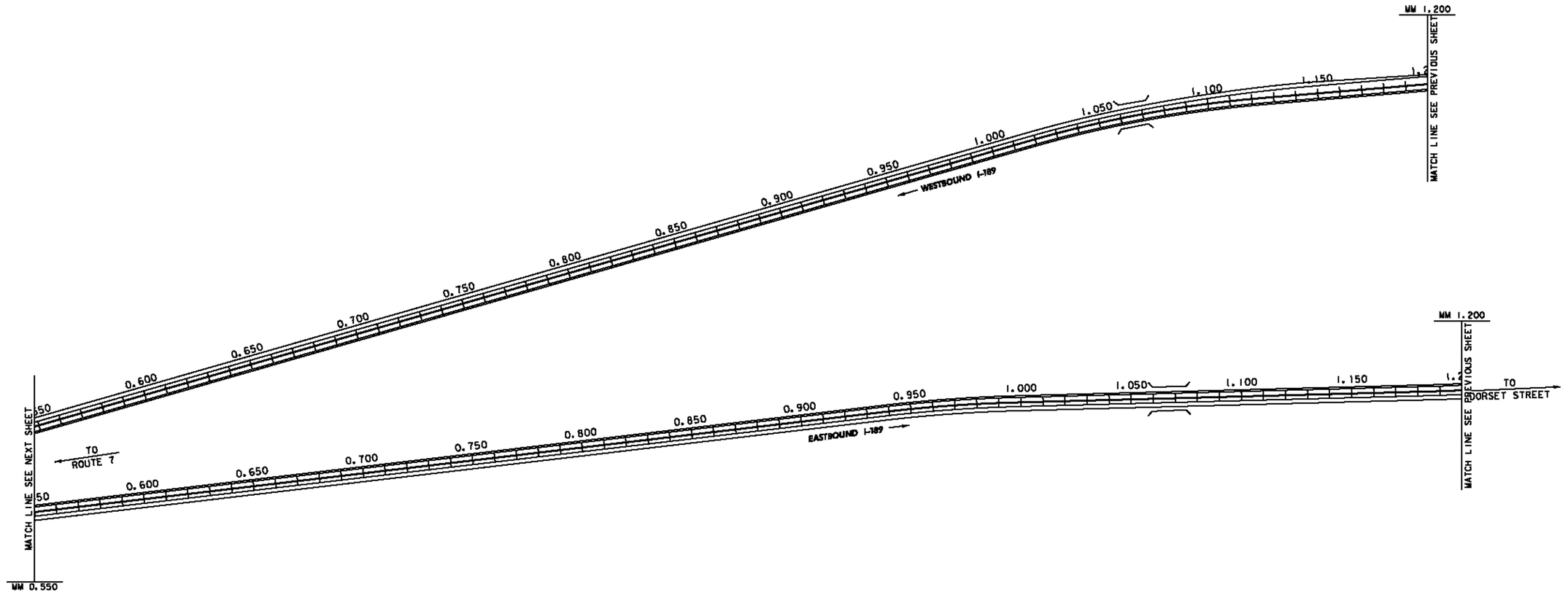
INTERCHANGE 13 & I-189 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090181nt13.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 54 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



MAINLINE DELINEATORS NOT SHOWN. SEE STANDARD E-197 AND SHEET 4.

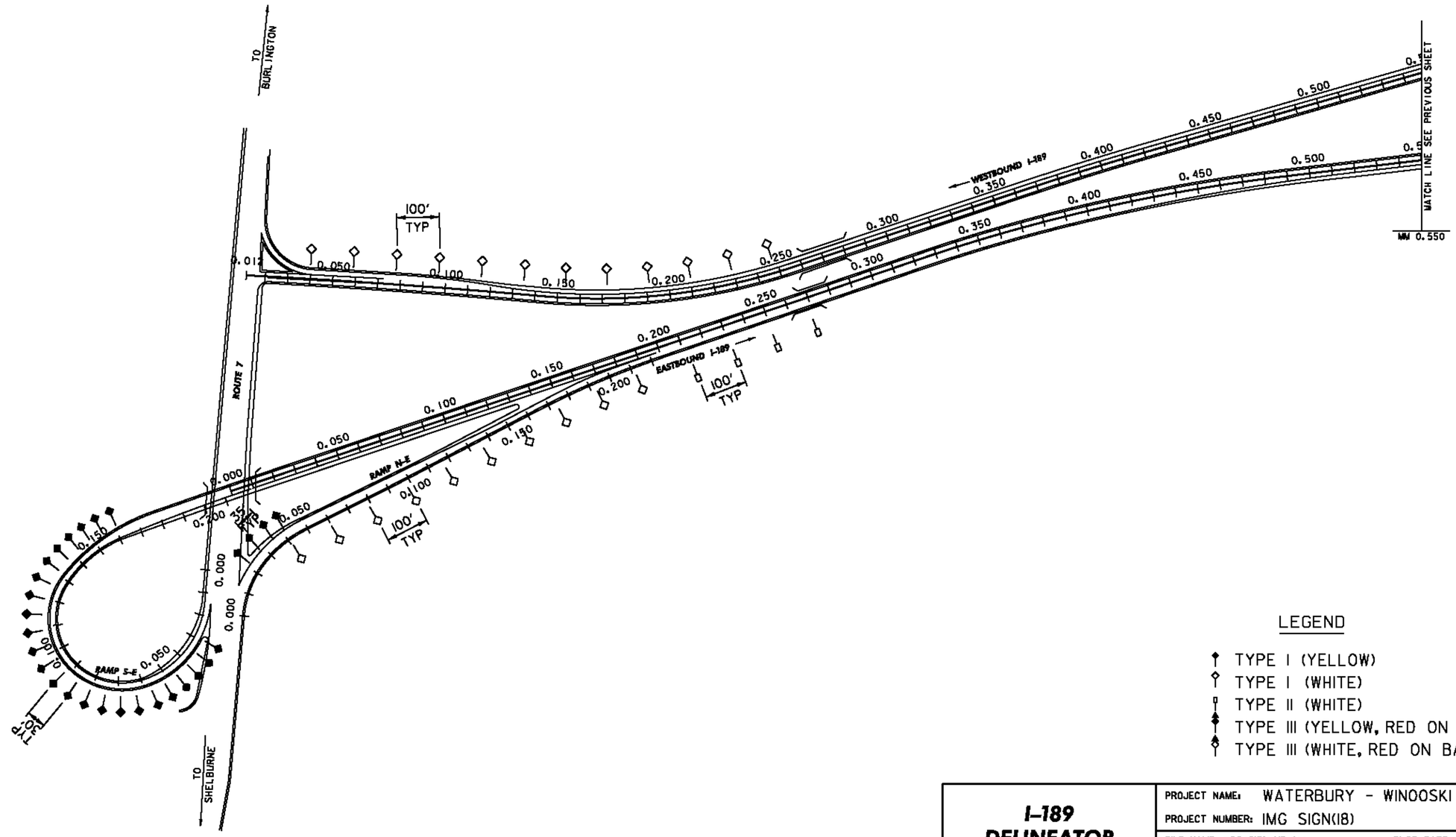
I-189 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018rt13.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 55 OF 174

MODEL: DELIN-2

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



LEGEND

- TYPE I (YELLOW)
- TYPE I (WHITE)
- TYPE II (WHITE)
- TYPE III (YELLOW, RED ON BACK)
- TYPE III (WHITE, RED ON BACK)

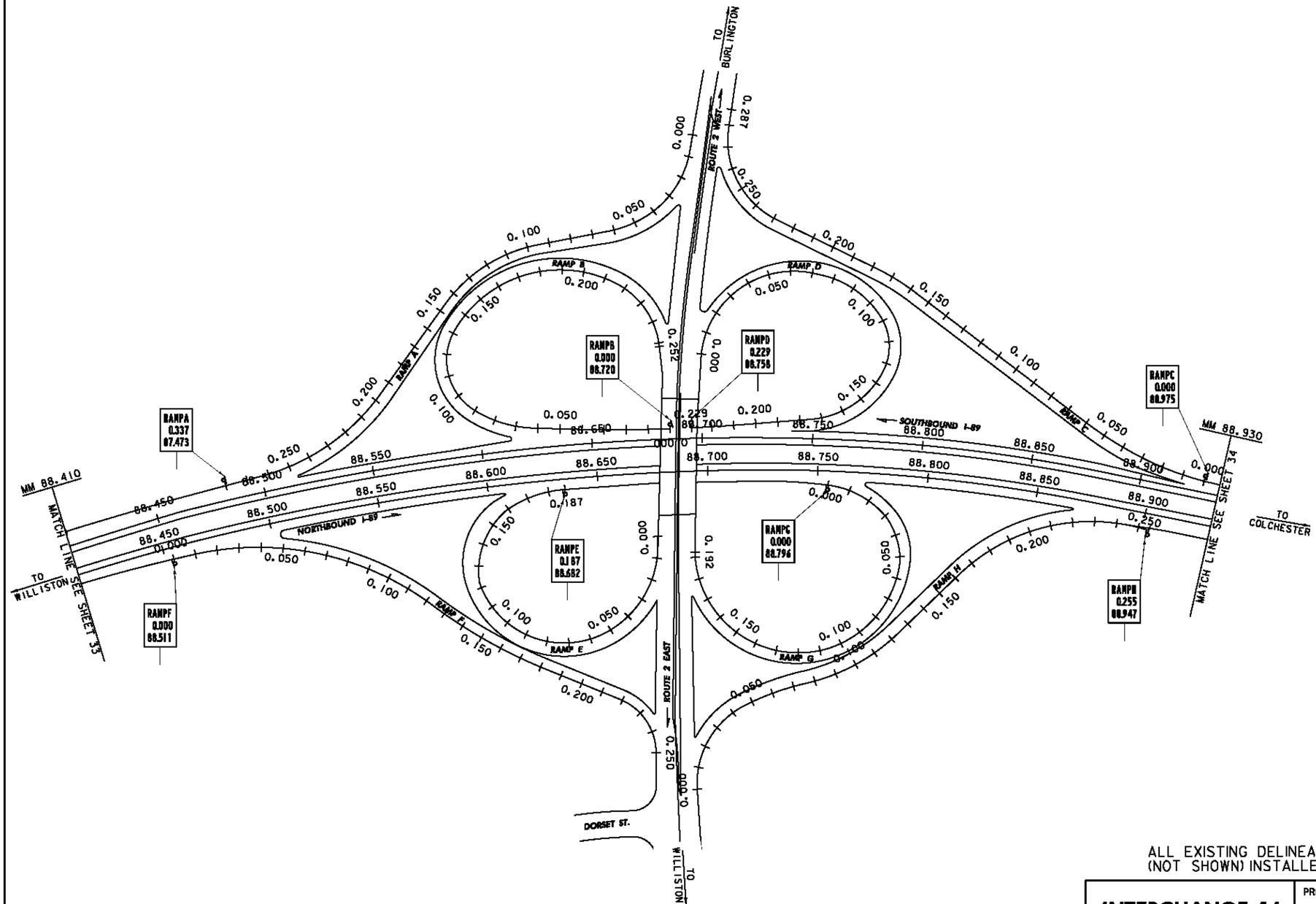
I-189
DELINEATOR
LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int13.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 56 OF 174

MODEL: DELIN-3

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



ALL EXISTING DELINEATORS ON THE INTERCHANGE RAMPS (NOT SHOWN) INSTALLED UNDER IM 089-3(60) ARE TO BE RETAINED.

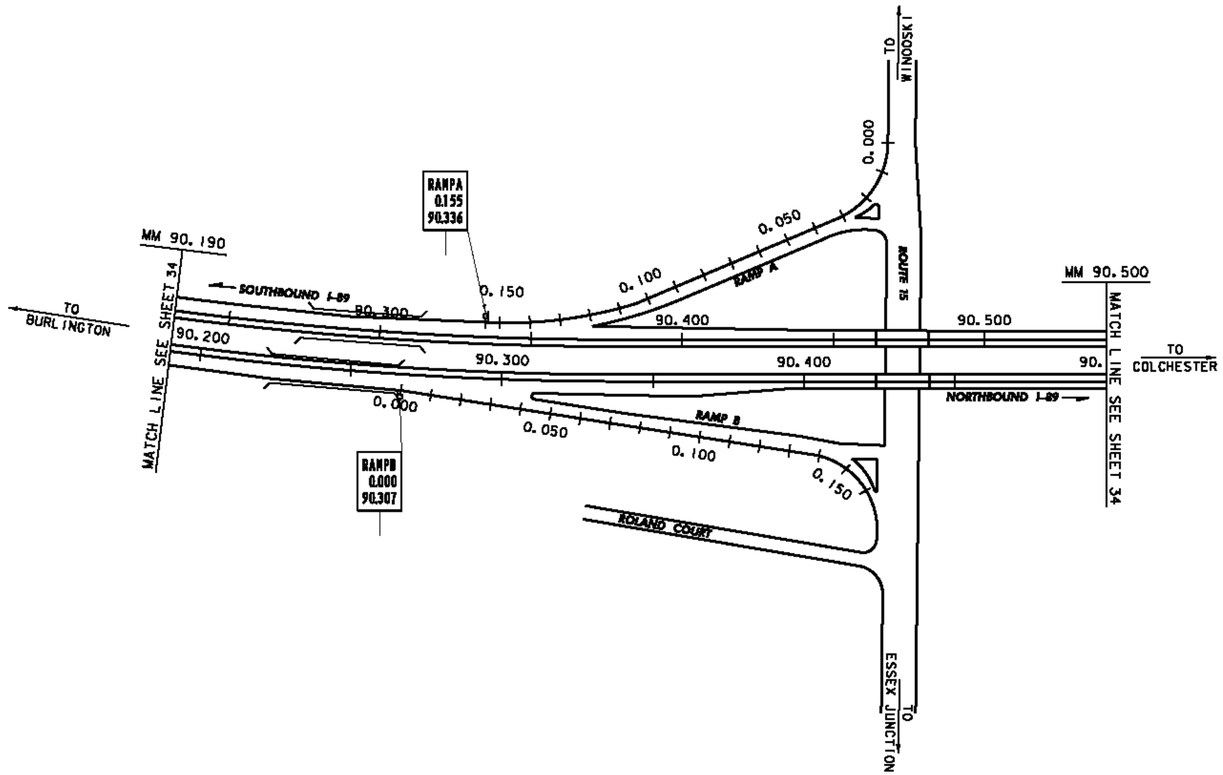
INTERCHANGE 14 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int14.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 57 OF 174

MODEL: DELIN

NOTE
FOR TYPICAL PLACEMENT OF DELINEATORS
SEE STANDARDS E-197 AND SHEET 4.



ALL EXISTING DELINEATORS ON THE INTERCHANGE RAMPS
(NOT SHOWN) INSTALLED UNDER IM 089-3(60) ARE TO BE RETAINED.

INTERCHANGE 15 DELINEATOR LAYOUT

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018int15.dgn
PROJECT LEADER: CRB
DESIGNED BY: ACD
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 58 OF 174

MODEL: DELIN

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
61.015 - 90.699 NB	BRIDGE XX-X I-89	47	6	10	19.74						47				X			47															VD-701 NOT SHOWN ON PLANS	153	
61.330 NB MED		1	36	36	9.00						2					X		2															R3-4		
62.000 NB	MILE 62	1	12	36	3.00						1					X		1															D10-2		E-139
62.165 NB	EXIT 10	1	96	30	20.00																													152	
	TO I-2 Waterbury Stowe	1	168	144		168.00					2																	2		811	W8X21		Fuse-Plate Bolt Tension 28.9 kips	136	
62.535 NB	Bolton EXIT 10	1	96	60		40.00					2												2		X								136	
62.649 NB MED		1	36	36	9.00						2					X		2															R3-4		
62.890 NB	EXIT 10	1	96	30	20.00																													152	
	TO I-2 Waterbury Stowe	1	168	138		161.00																												136	
	NEXT EXIT 15 MILES	1	162	24		27.00					2																	2		851	W8X21		Fuse-Plate Bolt Tension 31.1 kips	152	
63.000 NB	MILE 63	1	12	36	3.00						1					X		1															D10-2		E-139
63.040 NB	I-2	1	144	144		144.00					2																	2		715	W8X18		Fuse-Plate Bolt Tension 19.8 kips	136	
63.325 NB	EXIT 10	1	96	30	20.00																													152	
	TO I-2 Waterbury Stowe	1	168	126		147.00					2																	2		652	W8X18		Fuse-Plate Bolt Tension 23.3 kips	136	
63.423 - 90.307 NB	RAMPX 0.000 000.00	14	6	8	4.62						14				X			14															VD-700M	153	
63.483 NB		1	18	18	2.25						1				X			1															OM1-1		
63.485 NB	EXIT 10	1	72	60		30.00					2												2	X									152	
												FT	FT	FT	FT 509.7	FT 86.4	FT		EA.	LB	LB	LB		LB 182.4	LB 239.4	LB	LB							
SUBTOTALS SHEET 1		SF 110.61			SF 717.00		EA.	SF				FT			FT 596.1					LB			EA. 4	LB 421.8				EA. 8	EA.	LB 3029				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 1

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 59 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
63.491 NB		1	12	36	3.00						1				X			1															OM-3R		
63.491 NB MED		1	12	36	3.00						1				X			1															OM-3L		
63.590 NB		1	48	48	16.00						2									X													W4-1R		
63.670 NB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
63.735 NB		1	48	48	16.00						2									X													W4-1R		
63.850 NB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
64.000 NB	MILE 64	1	12	36	3.00						1					X		1															D10-2		E-139
64.020 NB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X									R8-7		
64.127 NB MED		1	36	36	9.00						2					X		2															R3-4		
64.135 NB	NORTH	1	30	15	3.13																												M3-1 WHITE ON BLUE		
	89	1	36	36	9.00																												M1-1		
		1	36	36	9.00						1												1	X									M1-10		
64.230 NB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2										X												VP-396	151	
64.360 NB	SPEED LIMIT 65	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
												FT	FT	FT	FT 25.2	FT 98.1	FT	EA.		LB 99.2	LB 69.9	LB		LB 296.4	LB 315.0	LB	LB								
	SUBTOTALS SHEET 2				SF 144.13	SF	EA.	SF				FT			FT 123.3						LB 169.1			EA. 5		LB 611.4			EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

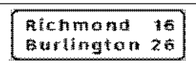
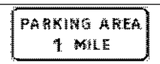
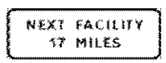
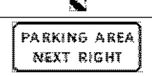
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 2

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 60 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE				
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
64.540 NB		1	48	48	16.00																											VW-001	151	
		1	30	24	5.00						2										X												151	
64.590 NB		1	108	36		27.00					2												2	X									136	
64.665 NB		1	48	48	16.00						2									X												VW-285	151	
64.740 NB		1	138	60		57.50																											137	
		1	114	42		33.25					2																	2		428	W6X12		Fuse-Plate Bolt Tension 12 kips	137	
64.821 NB MED		1	36	36	9.00						2					X		2														R3-4		
64.975 NB		1	78	54		29.25					2												2	X									137	
65.000 NB		1	12	36	3.00						1					X		1														D10-2		E-139
65.090 NB		1	48	48	16.00						2												2	X								W8-13		
65.195 NB		1	108	90		67.50					2												2				X						137	
65.205 NB		1	12	36	3.00						1				X			1														OM-3R		
65.205 NB MED		1	12	36	3.00						1				X			1														OM-3L		
65.353 NB		1	114	48		38.00					2												2		X								137	
65.363 NB		1	12	36	3.00						1				X			1														OM-3R		
65.363 NB MED		1	12	36	3.00						1				X			1														OM-3L		
65.510 NB		1	138	60		57.50					2												2			X							137	
												FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB		LB	LB	LB	LB								
															50.4	43.3				49.6	71.6			554.9	275.4	275.4	464.3								
SUBTOTALS SHEET 3		SF	SF	EA.	SF				FT		FT									LB			EA.	LB				EA.	EA.	LB					
		77.00	310.00								93.7									121.2			12	1570.0				2		428					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 3

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 61 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE					
												lb/ft			lb/ft					lb/ft				lb/ft				24"	30"							
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
65.700 NB		1	18	18	2.25						1				X			1																OM1-1		
65.702 NB		1	90	136		85.00					2												2				X							137	
65.750 NB		1	48	48	16.00						2												2	X										W4-1R		
65.787 NB MED	ONE WAY	1	36	12	3.00						2					X		2																R6-1R		
66.000 NB	MILE 6 6	1	12	36	3.00						1					X		1																D10-2		E-139
66.095 NB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X										VR-132	151	
66.095 NB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X										VR-132	151	
66.525 NB	BRIDGE HAS BUMPS AHEAD	1	48	48	16.00						2									X														W8-13		
66.630 NB		1	12	36	3.00						1				X			1																OM-3R		
66.630 NB MED		1	12	36	3.00						1				X			1																OM-3L		
66.750 NB MED		1	36	36	9.00						2					X		2																R3-4		
67.000 NB	MILE 6 7	1	12	36	3.00						1					X		1																D10-2		E-139
67.768 NB	ENTERING TOWN OF BOLTON CHITTENDEN CO.	1	36	30	7.50						2					X		2																I-2		E-131
68.000 NB	MILE 6 8	1	12	36	3.00						1					X		1																D10-2		E-139
68.752 NB MED		1	36	36	9.00						2					X		2																R3-4		
69.000 NB	MILE 6 9	1	12	36	3.00						1					X		1																D10-2		E-139
												FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB		LB	LB	LB	LB									
															34.7	166.8				49.6				646.0			535.9									
SUBTOTALS SHEET 4		SF	SF	EA.	SF							FT			FT					LB			EA.	LB				EA.	EA.	LB						
		120.75	85.00												201.5					49.6			8	1181.9												

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 4

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 62 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
69.940 NB		1	48	48	16.00																												VW-544	151	
	1500 FEET	1	24	18	3.00						2										X												W16-2		
70.000 NB	MILE 70	1	12	36	3.00						1					X		1															D10-2		E-139
70.217 NB MED		1	36	36	9.00						2					X		2															R3-4		
70.223 NB		1	24	24	4.00																												R8-3a MOUNT ON GATE		
70.223 NB	EMERGENCY VEHICLES ONLY	1	30	24	5.00																												MOUNT ON GATE	151	
70.430 NB	BRIDGE 10'0" BEFORE ROAD	1	48	48	16.00						2									X													W8-13		
70.533 NB		1	12	36	3.00						1				X			1															OM-3R		
70.533 NB MED		1	12	36	3.00						1				X			1															OM-3L		
71.000 NB	MILE 71	1	12	36	3.00						1					X		1															D10-2		E-139
71.400 NB MED		1	36	36	9.00						2					X		2															R3-4		
71.450 NB	MOOSE	1	48	48	16.00																												VW-001	151	
	STAY ALERT	1	30	24	5.00						2										X													151	
72.000 NB	MILE 72	1	12	36	3.00						1					X		1															D10-2		E-139
73.000 NB	MILE 73	1	12	36	3.00						1					X		1															D10-2		E-139
73.350 NB	BRIDGE 10'6" BEFORE ROAD	1	48	48	16.00						2												2	X									W8-13		
73.410 NB	ENTERING TOWN OF RICHMOND	1	36	24	6.00						2					X		2															I-2		E-131
												FT	FT	FT	FT 25.2	FT 138.2	FT	EA.		LB 49.6	LB 141.5	LB		LB 205.2	LB	LB	LB								
SUBTOTALS SHEET 5		SF 123.00	SF	EA.	SF							FT			FT 163.4					LB 191.1			EA. 2	LB 205.2				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 5

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME			
												1.12	2.0	3.0	lb/ft					lb/ft				lb/ft											
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"							
73.505 NB		1	48	48	16.00																												VW-285	151	
	NEXT 2000 FT	1	24	18	3.00						2												2	X									W16-4		
73.505 NB MED		1	48	48	16.00																												VW-285	151	
	NEXT 2000 FT	1	24	18	3.00						2												2	X									W16-4		
73.520 NB		1	12	36	3.00						1				X			1															OM-3R		
73.520 NB MED		1	12	36	3.00						1				X			1															OM-3L		
73.680 NB		1	48	48	16.00																												USE FLUORESCENT-YELLOW SHEETING	151	
	ICING MAY OCCUR	1	42	24	7.00						2												2	X									USE FLUORESCENT-YELLOW SHEETING	151	
73.850 NB		1	48	48	16.00						2												2	X									W8-13		
73.965 NB		1	12	36	3.00						1				X			1															OM-3R		
73.965 NB MED		1	12	36	3.00						1				X			1															OM-3L		
74.000 NB	MILE 74	1	12	36	3.00						1					X		1															D10-2		E-139
74.335 NB MED		1	36	36	9.00						2					X		2															R3-4		
74.421 NB MED		1	36	36	9.00						2					X		2															R3-4		
75.000 NB	MILE 75	1	12	36	3.00						1					X		1															D10-2		E-139
76.000 NB	MILE 76	1	12	36	3.00						1					X		1															D10-2		E-139
76.030 NB MED		1	36	36	9.00						2					X		2															R3-4		
												FT	FT	FT	FT	FT	FT	EA.		LB	LB	LB		LB	LB	LB	LB								
															50.6	129.7									851.2											
SUBTOTALS SHEET 6		SF	SF	EA.	SF		FT		FT		LB	EA.	LB		EA.	EA.	LB																		
		125.00							180.3			8	851.2																							

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 6

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 64 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 7

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
76.950 NB		1	48	48	16.00						2												2	X									W8-13		
77.000 NB		1	12	36	3.00						1					X		1															D10-2		E-139
77.080 NB		1	12	36	3.00						1				X			1															OM-3R		
77.080 NB MED		1	12	36	3.00						1				X			1															OM-3L		
77.120 NB	EXIT 11	1	96	30	20.00																													152	
	Richmond Williston	1	162	144		162.00					2																	2		838	W8X21		Fuse-Plate Bolt Tension 28.4 kips	137	
77.405 NB	Tafts' Corners USE EXIT 12	1	186	60		77.50					2												2				X							137	
77.695 NB	EXIT 11	1	96	30	20.00																													152	
	Richmond Williston	1	162	138		155.25																												138	
	NEXT EXIT 6 MILES	1	162	24		27.00					2																	2		887	W8X21		Fuse-Plate Bolt Tension 30.4 kips	152	
77.850 NB		1	144	144		144.00					2																	2		715	W8X18		Fuse-Plate Bolt Tension 19.8 kips	138	
78.000 NB		1	12	36	3.00						1					X		1															D10-2		E-139
78.055 NB MED		1	36	36	9.00						2					X		2															R3-4		
78.125 NB	EXIT 11	1	96	30	20.00																													152	
	Richmond Williston	1	162	156		175.50					2																	2		964	W8X21		Fuse-Plate Bolt Tension 32.9 kips	138	
78.165 NB	RAMP 35 MPH	1	48	60	20.00						2												2	X									W13-3		
78.221 NB		1	18	18	2.25						1				X			1															OM1-1		
												FT	FT	FT	FT 34.7	FT 54.0	FT		EA.	LB	LB	LB		LB 418.0	LB	LB	LB 414.7							
SUBTOTALS SHEET 7		SF 119.25			SF 741.25		EA.	SF				FT			FT 88.7					LB			EA. 6	LB 832.7				EA. 8	EA.	LB 3404				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 7

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 65 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 8

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															lb/ft					lb/ft				lb/ft											
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"							
78.227 NB	EXIT 11	1	72	60		30.00					2												2	X										152	
78.260 NB		1	48	48	16.00						2												2	X									W4-1R		
78.310 NB		1	48	48	16.00						2												2	X									W8-13		
78.335 NB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
78.390 NB		1	12	36	3.00						1				X			1															OM-3R		
78.390 NB MED		1	12	36	3.00						1				X			1															OM-3L		
78.490 NB		1	12	36	3.00						1				X			1															OM-3R		
78.490 NB MED		1	12	36	3.00						1				X			1															OM-3L		
78.570 NB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X									R8-7		
78.670 NB		1	12	36	3.00						1				X			1															OM-3R		
78.670 NB MED		1	12	36	3.00						1				X			1															OM-3L		
78.670 NB	WINOOSKI RIVER	1	64	28	12.44						2					X		2																151	
78.790 NB	NORTH	1	30	15	3.13																												M3-1 WHITE ON BLUE		
	89	1	36	36	9.00																												M1-1		
		1	36	36	9.00						1												1	X									M1-10		
78.890 NB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2										X												VP-396	151	
												FT	FT	FT	FT 75.8	FT 64.7	FT		EA.	LB	LB 69.9	LB		LB 889.2	LB	LB	LB								
SUBTOTALS SHEET 8		SF 117.57			SF 30.00		EA.	SF				FT			FT 140.5					LB 69.9			EA. 9	LB 889.2				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 8

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 9

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
78.963 NB		1	12	36	3.00						1				X			1																OM-3R		
78.963 NB MED		1	12	36	3.00						1				X			1																OM-3L		
78.990 NB	SPEED LIMIT 65	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
79.000 NB	7 9	1	12	36	3.00						1					X		1															D10-2		E-139
79.070 NB	Essex Jct 9 Burlington 11	1	108	36		27.00					2										X													138	
79.179 NB MED		1	36	36	9.00						2					X		2															R3-4		
79.320 NB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
79.320 NB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
79.520 NB	ENTERING TOWN OF WILLISTON	1	36	24	6.00						2					X		2															I-2		E-131
79.975 NB		1	48	48	16.00						2										X												VW-285	151	
80.200 NB	TRAVEL INFO	1	48	48	16.00						2										X													152	
81.070 NB	REST AREA TOURIST INFO CENTER 1 MILE	1	144	108		108.00																												138	
	NEXT FACILITY 30 MILES	1	114	42		33.25					2																	2		771	W8X18		Fuse-Plate Bolt Tension 19.2 kips	138	
81.319 NB MED		1	36	36	9.00						2					X		2															R3-4		
81.724 NB	REST AREA TOURIST INFO CENTER NEXT RIGHT	1	144	102		102.00																												138	
	WiFi	1	30	30	6.25						2																	2		400	W6X12		Fuse-Plate Bolt Tension 13.8 kips	151	
												FT	FT	FT	FT 25.2	FT 109.0	FT		EA.	LB	LB 99.2	LB 58.5		LB 440.8	LB 315.0	LB	LB								
SUBTOTALS SHEET 9		SF 147.25			SF 270.25		EA.	SF				FT			FT 134.2					LB 157.7			EA. 6	LB 755.8				EA. 4	EA.	LB 1171					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 9

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 67 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
81.950 NB	RAMP 30 MPH	1	48	60	20.00						2												2	X										W13-3		
82.072 NB		1	18	18	2.25						1				X			1																OM1-1		
82.075 NB	REST AREA	1	78	78		42.25					2												2	X										D5-2b	152	
82.145 NB		1	48	48	16.00						2												2	X										W4-1R		
82.240 NB		1	30	30	6.25						1					X		1																R3-2		
82.240 NB MED	ONE WAY	1	36	12	3.00						2					X		2																R6-1R		
82.780 NB	EXIT 12	1	96	30	20.00																														152	
	Williston Essex Jct	1	204	144		204.00					2																	2		836	W8X21			Fuse-Plate Bolt Tension 34.1 kips	139	
83.010 NB	Hinesburg Bristol EXIT 12	1	138	84		80.50					2																	2		308	W6X9			Fuse-Plate Bolt Tension 12 kips	139	
83.260 NB	EXIT 12	1	96	30	20.00																														152	
	Williston Essex Jct	1	204	138		195.50																													139	
	SERVICES NEXT 5 EXITS	1	156	24		26.00					2																	2		889	W10X22			Fuse-Plate Bolt Tension 28.8 kips	152	
83.410 NB	Burlington International Airport EXIT 12	1	174	102		123.25					2																	2		814	W8X18			Fuse-Plate Bolt Tension 19.2 kips	139	
83.529 NB MED		1	36	36	9.00						2					X		2																R3-4		
83.600 NB	EXIT 12	1	96	30	20.00																														152	
	Williston Essex Jct	1	204	156		221.00																													139	
	STATE POLICE	1	30	30	6.25						2																	2		1021	W10X22			Fuse-Plate Bolt Tension 32.5 kips		E-132
												FT	FT	FT	FT 9.5	FT 72.5	FT	EA.		LB	LB	LB		LB 623.2	LB	LB	LB								
					SF	SF	EA.	SF				FT			FT						LB			EA.		LB			EA.	EA.	LB						
	SUBTOTALS SHEET 10				122.75	892.50									82.0									6		623.2			10		3868						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 10

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 11

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																			REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE				
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
83.765 NB		1	18	18	2.25						1				X			1																OM1-1		
83.770 NB	EXIT 12	1	72	60		30.00					2												2	X										152	
83.943 NB		1	12	36	3.00						1				X			1																OM-3R		
83.943 NB MED		1	12	36	3.00						1				X			1																OM-3L		
84.010 NB		1	48	48	16.00						2									X														W4-1R		
84.115 NB MED	ONE WAY	1	36	12	3.00						2					X		2																R6-1R		
84.325 NB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X										R8-7		
84.400 NB	NORTH	1	30	15	3.13																													M3-1 WHITE ON BLUE		
	89	1	36	36	9.00																													M1-1		
	BRATTLEBORO 10 MILES TO INTERSTATE EXIT 3	1	36	36	9.00						1												1	X										M1-10		
84.414 NB MED		1	36	36	9.00						2					X		2																R3-4		
84.495 NB		1	48	48	16.00																													VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2										X													VP-396	151	
84.590 NB	SPEED LIMIT 65	1	48	60	20.00																													R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X									VR-141		E-142
84.705 NB	Burlington 5 Winooski 6	1	102	36		25.50					2												2	X											139	
84.920 NB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X										VR-132	151	
												FT	FT	FT	FT 34.7	FT 60.0	FT		EA.	LB	LB 49.6	LB 69.9		LB 877.1	LB 315.0	LB	LB								
	SUBTOTALS SHEET 11				SF 144.38	SF 55.50	EA.	SF				FT			FT 94.7					LB 119.5			EA. 11	LB 1192.1				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 11

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 69 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 12

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
											NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
84.920 NB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
84.986 NB	ENTERING CITY OF S. BURLINGTON	1	36	24	6.00						2					X		2															I-2		E-131
84.988 NB		1	12	36	3.00						1				X			1															OM-3R		
84.988 NB MED		1	12	36	3.00						1				X			1															OM-3L		
85.740 NB	Burlington NEXT 2 EXITS	1	144	54		54.00					2												2		X								139		
86.450 NB	EXIT 13	1	96	30	20.00																												152		
	TO 7 Burlington Shelburne	1	216	186		279.00					3																	3		1703	W10X22		Fuse-Plate Bolt Tension 31.7 kips	140	
86.775 NB	Vergennes Middlebury EXIT 13	1	150	84		87.50					2																	2		410	W6X12		Fuse-Plate Bolt Tension 12 kips	140	
86.890 NB		1	48	48	16.00						2												2	X									W3-5		
86.890 NB MED		1	48	48	16.00						2												2	X									W3-5		
86.985 NB	EXIT 13	1	96	30	20.00																												152		
	TO 7 Burlington Shelburne	1	216	174		261.00					2																		2	1395	W12X30		Fuse-Plate Bolt Tension 33.5 kips	140	
87.121 NB	SPEED LIMIT 55	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
87.121 NB MED	SPEED LIMIT 55	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
87.186 NB		1	12	36	3.00						1				X			1															OM-3R		
												FT	FT	FT	FT 37.8	FT 33.3	FT	EA.		LB	LB	LB		LB 630.8	LB 875.7	LB	LB								
	SUBTOTALS SHEET 12				SF 179.00	SF 681.50	EA.	SF				FT			FT 71.1					LB			EA. 12	LB 1506.5				EA. 5	EA. 2	LB 3508					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 12

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 70 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 13

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"						
87.186 NB MED		1	12	36	3.00						1				X			1														OM-3L		
87.370 NB		1	12	36	3.00						1				X			1														OM-3R		
87.370 NB MED		1	12	36	3.00						1				X			1														OM-3L		
87.430 NB	EXIT 13	1	96	30	20.00																												152	
	Burlington Shelburne	1	216	192		288.00					3																	3		1611	W10X22		Fuse-Plate Bolt Tension 32.6 kips	140	
87.500 NB	RAMP 30 M.P.H.	1	48	60	20.00						2												2	X								W13-3		
87.600 NB		1	48	48	16.00						2												2	X								W4-1R		
87.685 NB MED	ONE WAY	1	36	12	3.00						2					X		2														R6-1R		
87.755 NB	NORTH	1	30	15	3.13																											M3-1 WHITE ON BLUE		
	INTERSTATE 89	1	36	36	9.00																											M1-1		
	INTERSTATE DIVISION UNDERAGE DRINKING STOPS HERE	1	36	36	9.00						1												1	X								M1-10		
87.850 NB		1	48	48	16.00																											VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X								VP-396	151	
87.925 NB	SPEED LIMIT 55	1	48	60	20.00																											R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X							VR-141		E-142
88.000 NB	EXITS 14 E-W	1	132	30		27.50																											152	
	2 Burlington S. Burlington	1	210	138		201.25					2																	2		840	W8X21		Fuse-Plate Bolt Tension 34.8 kips	140	
												FT	FT	FT	FT 37.8	FT 27.4	FT		EA.	LB	LB	LB		LB 737.2	LB 315.0	LB	LB							
SUBTOTALS SHEET 13		SF 144.13			SF 516.75		EA.	SF				FT			FT 65.2					LB			EA. 9		LB 1052.2			EA. 5	EA.	LB 2451				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

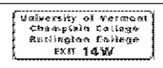
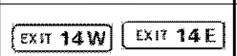
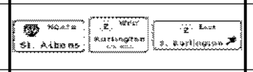
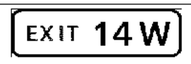
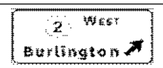
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 13

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 14

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN	FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
88.075 NB		1	48	48	16.00						2												2	X												151	
88.075 NB MED		1	48	48	16.00						2												2	X												151	
88.150 NB		1	174	102		123.25					2																2		504	W6X15			Fuse-Plate Bolt Tension 19.2 kips	141	
88.300 NB		1	210	84		122.50																													141	
		1 1	30 30	30 30	6.25 6.25						2																2		557	W6X15			D9-2 Fuse-Plate Bolt Tension 19.2 kips D9-3a		E-132 E-132
88.420 NB		1	48	60	20.00						2												2	X											W13-3		
88.490 NB O/H		1 1	96 96	30 30	20.00 20.00																														152 152	
		1 1 1	168 168 252	90 114 90		105.00 133.00 157.50																													OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	141 141 141	
88.510 NB		1	18	18	2.25						1				X			1																	OM1-1		
88.560 NB		1	48	48	16.00						2												2	X											W4-1R		
88.615 NB MED		1	36	12	3.00						2					X		2																	R6-1R		
88.675 NB O/H		1	96	30	20.00																														152	
		1	210	90		131.25																													BRIDGE MOUNTED	142	
88.720 NB		1	48	60	20.00						2												2	X											W13-3		
88.820 NB		1	48	48	16.00						2												2	X											W4-1R		
88.875 NB MED		1	36	12	3.00						2					X		2																	R6-1R		
												FT	FT	FT	FT 9.5	FT 54.8	FT		EA.	LB	LB	LB		LB 1246.4	LB	LB	LB									
	SUBTOTALS SHEET 14		SF 184.75		SF 772.50	EA.	SF					FT			FT 64.3					LB			EA. 12	LB 1246.4				EA. 4	EA.	LB 1061					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 14

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 72 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 15

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE				
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
89.065 NB	NORTH	1	30	15	3.13																										M3-1 WHITE ON BLUE		
	INTERSTATE 89	1	36	36	9.00																										M1-1		
	VERMONT DEPARTMENT OF MOTOR VEHICLES REGISTRY	1	36	36	9.00						1												1	X							M1-10		
89.140 NB		1	48	48	16.00																										VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2										X										VP-396	151	
89.215 NB	SPEED LIMIT 55	1	48	60	20.00																										R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X						VR-141		E-142
89.300 NB	EXIT 15	1	96	30	20.00																											152	
	Winooski Essex Jct. 3 MILE	1	156	144		156.00					2																	2		941	W8X21		Fuse-Plate Bolt Tension 28.4 kips	142	
89.460 NB	St. Michael's College EXIT 15	1	168	84		98.00																										142	
	Champlain Valley Exposition	1	162	24		27.00					2																	2		509	W6X15		Fuse-Plate Bolt Tension 19.2 kips	142	
89.665 NB	EXIT 15	1	96	30	20.00																											152	
	Winooski Essex Jct. 3 MILE	1	156	138		149.50					2																	2		817	W8X21		Fuse-Plate Bolt Tension 28.4 kips	142	
89.740 NB	RIGHT LANE MUST EXIT RIGHT	1	48	48	16.00						2										X										W8-13		
89.815 NB	EXIT 15	1	96	30	20.00																											152	
	Winooski Essex Jct. 2 MILE EXIT 15	1	156	186		201.50					2																	2		1037	W10X22		Fuse-Plate Bolt Tension 35.1 kips	142	
89.890 NB MED	WINOOSKI RIVER	1	64	28	12.44						2					X		2														151	
												FT	FT	FT	FT	FT 35.8	FT	EA.		LB 49.6	LB 69.9	LB		LB 106.4	LB 324.9	LB	LB								
SUBTOTALS SHEET 15					SF 164.57	SF 632.00	EA.	SF				FT			FT 35.8					LB 119.5			EA. 3	LB 431.3				EA. 8	EA.	LB 3304					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 15

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 16

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.88	2.42	3.35			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
90.000 NB	ENTERING CITY OF WINOOSKI	1	36	24	6.00						2					X		2															I-2		E-131
90.224 NB		1	12	36	3.00						1				X			1															OM-3R		
90.224 NB MED		1	12	36	3.00						1				X			1															OM-3L		
90.332 NB		1	18	18	2.25						1				X			1															OM1-1		
90.425 NB		1	12	36	3.00						1				X			1															OM-3R		
90.425 NB MED		1	12	36	3.00						1				X			1															OM-3L		
90.567 NB		1	12	36	3.00						1				X			1															OM-3R		
90.567 NB MED		1	12	36	3.00						1				X			1															OM-3L		
90.735 NB	EXIT 16	1	96	30	20.00																													152	
	2 17 Winooski Colchester	1	174	138		166.75					2																	2		939	W8X21		Fuse-Plate Bolt Tension 28.4 kips	142	
90.868 NB	ENTERING TOWN OF COLCHESTER	1	36	24	6.00						2					X		2															I-2		E-131
SUBTOTALS SHEET 16		SF 52.25	SF 166.75	EA.	SF							FT	FT	FT	FT 85.2	FT 63.9	FT 149.1	EA.		LB	LB	LB	EA.	LB	LB	LB	LB	EA. 2	EA.	LB 939					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss main NB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 16

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 74 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 17

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																			REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"						
61.000 SB	W13-1	1	12	36	3.00						1					X		1															D10-2		E-139
61.341 SB MED		1	36	36	9.00						2					X		2															R3-4		
62.000 SB	W13-2	1	12	36	3.00						1					X		1															D10-2		E-139
62.655 SB MED		1	36	36	9.00						2					X		2															R3-4		
62.775 SB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2										X												VR-132	151	
62.775 SB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2										X												VR-132	151	
63.000 SB	W13-3	1	12	36	3.00						1					X		1															D10-2		E-139
63.025 SB	Middlesex 5 Montpelier 11	1	108	36		27.00					2												2	X										143	
63.225 SB	SPEED LIMIT 65	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
63.320 SB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X									VP-396	151	
63.415 SB	SOUTH	1	30	15	3.13																												M3-3 WHITE ON BLUE		
	89	1	36	36	9.00																												M1-1		
	ALTERNATE ROUTE TRUCKS PROHIBITED	1	36	36	9.00						1												1	X									M1-10		
63.510 SB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2										X												R8-7		
63.532 - 90.615 SB	BRIDGE XX-X I-89	30	6	10	12.60						30				X			30															VD-701 NOT SHOWN ON PLANS	153	
												FT	FT	FT	FT 246.0	FT 96.9	FT		EA.	LB	LB 47.0	LB 143.2		LB 515.3	LB 324.9	LB	LB							
	SUBTOTALS SHEET 17				SF 167.73	SF 27.00	EA.	SF				FT			FT 342.9						LB 190.2			EA. 7	LB 840.2				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 17

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 75 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 18

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0			WEIGHT	POST SIZE				
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"						
63.588 SB		1	12	36	3.00						1				X			1															OM-3R		
63.588 SB MED		1	12	36	3.00						1				X			1															OM-3L		
63.690 - 90.336 SB	RAMP 0.000 000.00	14	6	8	4.62						14				X			14															VD-700M	153	
63.730 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
63.760 SB		1	48	48	16.00						2									X													W8-13		
63.820 SB		1	48	48	16.00						2									X													W4-1R		
63.880 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
63.950 SB		1	48	48	16.00						2									X													W4-1R		
63.993 SB	EXIT 10	1	72	60		30.00					2												2	X										152	
63.997 SB		1	18	18	2.25						1				X			1															OM1-1		
64.010 SB	RAMP 30 MPH	1	48	60	20.00						2										X												W13-3		
64.100 SB	EXIT 10	1	96	30	20.00																													152	
	To I-2 Waterbury Stowe	1	168	126		147.00					2																	2		966	W8X21		Fuse-Plate Bolt Tension 28.4 kips SEE FOOTING DETAIL ON SHEET 3	136	
64.136 SB MED		1	36	36	9.00						2					X		2															R3-4		
64.300 SB		1	144	144		144.00					2																	2		827	W8X18		Fuse-Plate Bolt Tension 20.4 kips SEE FOOTING DETAIL ON SHEET 3	136	
												FT	FT	FT	FT 149.5	FT 87.4	FT		EA.	LB 148.8	LB 68.2	LB		LB 182.4	LB	LB	LB								
SUBTOTALS SHEET 18		SF 115.87	SF 321.00	EA.	SF				FT			FT 236.9								LB 217.0			EA. 2	LB 182.4				EA. 4	EA.	LB 1793					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME:	090124 tss main SB.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	JH
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 18		SHEET 76	OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 19

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL						DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME			
												1.12	2.0	3.0	lb/ft					lb/ft				lb/ft				24"	30"						
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
64.520 SB	EXIT 10	1	96	30	20.00						2																						152	
	Waterbury Stowe 122 MILES	1	168	138		161.00																											136	
	NEXT EXIT 5 MILES	1	162	24		27.00					2																	2		857	W8X21		Fuse-Plate Bolt Tension 31.2 kips	152	
64.750 SB	Waitsfield Warren EXIT 10	1	138	84		80.50					2																	2		492	W6X12		Fuse-Plate Bolt Tension 12 kips	143	
64.838 SB MED		1	36	36	9.00						2					X		2															R3-4		
64.970 SB	EXIT 10	1	96	30	20.00																												152	
	Waterbury Stowe 1 MILE	1	168	144		168.00					2																	2		983	W8X21		Fuse-Plate Bolt Tension 29.5 kips	136	
65.000 SB	65	1	12	36	3.00						1					X		1															D10-2		E-139
65.280 SB		1	12	36	3.00						1				X			1															OM-3R		
65.280 SB MED		1	12	36	3.00						1				X			1															OM-3L		
65.385 SB		1	12	36	3.00						1				X			1															OM-3R		
65.385 SB MED		1	12	36	3.00						1				X			1															OM-3L		
65.500 SB	ADVISORY SPEED	1	48	48	16.00						2												2	X									W8-13		
66.000 SB	66	1	12	36	3.00						1					X		1															D10-2		E-139
66.160 SB	RAILROAD	1	48	48	16.00																												VW-001	151	
	NEXT 2 MILES	1	30	24	5.00						2										X													151	
66.650 SB		1	12	36	3.00						1				X			1															OM-3R		
												FT	FT	FT	FT 63.0	FT 54.0	FT	EA.		LB	LB 71.6	LB		LB 205.2	LB	LB	LB							
	SUBTOTALS SHEET 19		SF 107.00	SF 436.50	EA.	SF						FT			FT 117.0					LB 71.6			EA. 2	LB 205.2				EA. 6	EA.	LB 2332					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 19

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 77 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 20

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
66.650 SB MED		1	12	36	3.00						1				X			1															OM-3L		
66.757 SB MED		1	36	36	9.00						2					X		2															R3-4		
66.805 SB		1	48	48	16.00						2									X													W8-13		
66.870 SB MED		1	36	12	3.00						2					X		2															R6-1R		
66.910 SB		1	48	48	16.00						2												2	X									W4-1R		
66.960 SB		1	18	18	2.25						1				X			1															OM1-1		
67.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
67.120 SB	PARKING AREA NEXT RIGHT	1	138	60		57.50					2																	2		420	W6X12		Fuse-Plate Bolt Tension 12 kips	137	
67.520 SB	ALL TRUCKS NEXT RIGHT	1	114	48		38.00					2												2			X								137	
67.670 SB	WEIGH STATION NEXT RIGHT OPEN CLOSED	1	108	90		67.50					2												2				X							137	
67.764 SB	ENTERING TOWN OF WATERBURY WASHINGTON CO.	1	36	30	7.50						2					X		2															I-2		E-131
67.834 SB	WEIGH STATION 3/4 MILE	1	78	54		29.25					2												2	X										137	
68.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
68.090 SB	PARKING AREA 1 MILE	1	138	60		57.50																												143	
	NEXT FACILITY 33 MILES	1	114	42		33.25					2																	2		413	W6X12		Fuse-Plate Bolt Tension 12 kips SEE FOOTING DETAIL ON SHEET 3	143	
68.759 SB MED		1	36	36	9.00						2					X		2															R3-4		
69.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
												FT	FT	FT	FT 22.2	FT 156.1	FT	EA.		LB 49.6	LB	LB		LB 408.9	LB	LB 334.8	LB 503.7								
SUBTOTALS SHEET 20		SF 74.75			SF 283.00		EA.		SF			FT			FT 178.3					LB 49.6			EA. 8	LB 1247.4				EA. 4	EA.		LB 833				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 20

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 78 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 21

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS E A	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 1.7	4.0Moc 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
70.000 SB	MILE 70	1	12	36	3.00						1					X		1															D10-2		E-139
70.225 SB MED		1	36	36	9.00						2					X		2															R3-4		
70.738 SB		1	12	36	3.00						1				X			1															OM-3R		
70.738 SB MED		1	12	36	3.00						1				X			1															OM-3L		
70.845 SB	WINDER ACCESS BEFORE HEAD	1	48	48	16.00						2												2	X									W8-13		
71.000 SB	MILE 71	1	12	36	3.00						1					X		1															D10-2		E-139
71.408 SB MED		1	36	36	9.00						2					X		2															R3-4		
72.000 SB	MILE 72	1	12	36	3.00						1					X		1															D10-2		E-139
72.280 SB	MEDIAL	1	48	48	16.00																												VW-001	151	
	STAY ALERT	1	30	24	5.00						2												2	X										151	
72.309 SB	R	1	24	24	4.00																												R8-3a MOUNT ON GATE		
72.309 SB	EMERGENCY VEHICLES ONLY	1	30	24	5.00																												MOUNT ON GATE	151	
72.595 SB	EMERGENCY VEHICLE ENTRANCE	1	48	48	16.00																												VW-544	151	
	1500 FEET	1	24	18	3.00						2										X												W16-2		
73.000 SB	MILE 73	1	12	36	3.00						1					X		1															D10-2		E-139
73.402 SB	ENTERING TOWN OF BOLTON	1	36	24	6.00						2					X		2															I-2		E-131
73.580 SB		1	12	36	3.00						1				X			1															OM-3R		
												FT	FT	FT	FT 38.0	FT 138.0	FT		EA.	LB	LB 69.9	LB		LB 425.6	LB	LB	LB								
	SUBTOTALS SHEET 21				SF 110.00	SF	EA.	SF				FT			FT 176.0					LB 69.9			EA. 4	LB 425.6				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss main SB.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	JH
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 21		SHEET 79	OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 22

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																	REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"						
73.580 SB MED		1	12	36	3.00						1				X			1														OM-3L		
73.715 SB		1	48	48	16.00						2												2	X								W8-13		
73.870 SB		1	48	48	16.00																											VW-285	151	
	NEXT 2000 FT	1	30	24	5.00						2												2	X									151	
73.870 SB MED		1	48	48	16.00																											VW-285	151	
	NEXT 2000 FT	1	30	24	5.00						2												2	X									151	
73.960 SB		1	12	36	3.00						1				X			1														OM-3R		
73.960 SB MED		1	12	36	3.00						1				X			1														OM-3L		
74.000 SB	MILE 74	1	12	36	3.00						1					X		1														D10-2		E-139
74.060 SB		1	48	48	16.00																												151	
	ICING MAY OCCUR	1	42	24	7.00						2												2	X									151	
74.155 SB		1	48	48	16.00						2												2	X								W8-13		
74.350 SB MED		1	36	36	9.00						2					X		2														R3-4		
74.434 SB MED		1	36	36	9.00						2					X		2														R3-4		
75.000 SB	MILE 75	1	12	36	3.00						1					X		1														D10-2		E-139
76.000 SB	MILE 76	1	12	36	3.00						1					X		1														D10-2		E-139
76.040 SB MED		1	36	36	9.00						2					X		2														R3-4		
												FT	FT	FT	FT 38.0	FT 129.5	FT	EA.		LB	LB	LB		LB 1071.6	LB	LB	LB							
SUBTOTALS SHEET 22			SF 142.00		SF	EA.	SF					FT			FT 167.5					LB			EA. 10		LB 1071.6			EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 22

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 23

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL						
												lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod		3.0	3.5	4.0	5.0	FTG. SIZE				SIGN	FRAME		
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	1.12	2.0	3.0	lb/ft 1.88	2.42	3.35			lb/ft 1.3	1.7	1.7	FND-ATION	lb/ft 7.6	9.0	10.8	14.6	24"	30"	WEIGHT	POST SIZE				DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
77.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
77.050 SB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2										X												VR-132	151	
77.050 SB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
77.099 SB		1	12	36	3.00						1				X			1															OM-3R		
77.099 SB MED		1	12	36	3.00						1				X			1															OM-3L		
77.225 SB	SCHOOL BUS STOP AHEAD	1	48	48	16.00						2									X													W8-13		
77.340 SB	Waterbury 14 Montpelier 25	1	114	36		28.50					2												2	X										143	
77.565 SB	MOOSE	1	48	48	16.00																												VW-001	151	
	NEXT 15 MILES	1	30	24	5.00						2										X													151	
77.700 SB	SPEED LIMIT 65	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
77.800 SB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2										X												VP-396	151	
77.895 SB	SOUTH	1	30	15	3.13																												M3-3 WHITE ON BLUE		
	INTERSTATE 89	1	36	36	9.00																												M1-1		
	NO OVERNIGHT CAMPING OR PARKING OF TRUCK TRAILER	1	36	36	9.00						1												1	X									M1-10		
77.970 SB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X									R8-7		
												FT	FT	FT	FT 25.2	FT 10.5	FT		EA.	LB 49.6	LB 213.1	LB		LB 694.7	LB 324.9	LB	LB								
	SUBTOTALS SHEET 23	SF 174.13			SF 28.50		EA.	SF				FT			FT 35.7					LB 262.7			EA. 9	LB 1019.6				EA.	EA.		LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 23
SHEET 81 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 24

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																	REMARKS	SIGN DETAIL	
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
78.000 SB	MILE 7 8	1	12	36	3.00						1					X		1															D10-2		E-139
78.063 SB MED		1	36	36	9.00						2					X		2															R3-4		
78.170 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
78.275 SB		1	48	48	16.00						2												2	X									W4-1R		
78.423 SB		1	12	36	3.00						1				X			1															OM-3R		
78.423 SB MED		1	12	36	3.00						1				X			1															OM-3L		
78.444 SB	EXIT 11	1	72	60		30.00					2												2	X										152	
78.447 SB		1	18	18	2.25						1				X			1															OM1-1		
78.480 SB	RAMP 25 MPH	1	48	60	20.00						2										X												W13-3		
78.535 SB		1	12	36	3.00						1				X			1															OM-3R		
78.535 SB MED		1	12	36	3.00						1				X			1															OM-3L		
78.630 SB	EXIT 11	1	96	30	20.00																													152	
	2 TO I-89 Richmond Exit 10	1	162	156		175.50					2																	2		1008	W8X21		Fuse-Plate Bolt Tension 33.8 kips SEE FOOTING DETAIL ON SHEET 3	143	
78.777 SB		1	12	36	3.00						1				X			1															OM-3R		
78.777 SB MED		1	12	36	3.00						1				X			1															OM-3L		
78.787 SB	WINOOSKI RIVER	1	64	28	12.44						2					X		2																151	
78.815 SB		1	144	144		144.00					2																	2		706	W8X18		Fuse-Plate Bolt Tension 19.8 kips	138	
												FT	FT	FT	FT 85.1	FT 106.5	FT		EA.	LB	LB 68.2	LB		LB 387.6	LB	LB	LB							
SUBTOTALS SHEET 24		SF 103.69			SF 349.50		EA.	SF				FT			FT 191.6					LB 68.2			EA. 4		LB 387.6				EA. 4	EA.	LB 1714				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

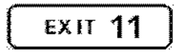
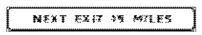
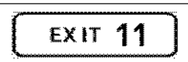
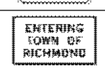
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 24

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 25

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																	REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
78.999 SB		1	12	36	3.00						1				X			1															OM-3R		
78.999 SB MED		1	12	36	3.00						1				X			1															OM-3L		
79.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
79.050 SB		1	96	30	20.00																													152	
		1	162	138		155.25																												143	
		1	162	24		27.00					2																	2		901	W8X21		Fuse-Plate Bolt Tension 31.1 kips	152	
79.145 SB		1	48	48	16.00						2												2	X									W8-13		
79.191 SB MED		1	36	36	9.00						2					X		2															R3-4		
79.520 SB		1	96	30	20.00																													152	
		1	162	144		162.00					2																	2		889	W8X21		Fuse-Plate Bolt Tension 28.6 kips SEE FOOTING DETAIL ON SHEET 3	143	
79.528 SB		1	36	24	6.00						2					X		2															I-2		E-131
80.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
80.430 SB		1	48	48	16.00						2												2	X									W1-2R		
80.430 SB MED		1	48	48	16.00						2												2	X									W1-2R		
80.700 SB		1	48	48	16.00																												W7-1b		
		1	30	24	5.00						2												2	X										151	
												FT	FT	FT	FT 25.2	FT 87.1	FT	EA.		LB	LB	LB		LB 836.0	LB	LB	LB							
SUBTOTALS SHEET 25		SF 136.00			SF 344.25		EA.	SF				FT			FT 112.3					LB			EA. 8		LB 836.0			EA. 4	EA.	LB 1790				

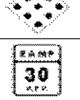
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 25
SHEET 83 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 26

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"						
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
80.700 SB MED		1	48	48	16.00																												W7-1b		
		1	30	24	5.00						2												2	X									151	
81.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
81.331 SB MED		1	36	36	9.00						2					X		2															R3-4		
81.340 NB		1	24	24	4.00																												R8-3a MOUNT ON GATE		
81.340 NB		1	30	24	5.00																												MOUNT ON GATE	151	
81.625 SB		1	48	48	16.00																												VW-544	151	
		1	24	18	3.00						2										X												W16-2		
81.990 SB		1	36	36	9.00						2					X		2															R3-2		
82.000 SB		1	12	36	3.00						1					X		1															D10-2		E-139
82.044 SB MED		1	36	12	3.00						2					X		2															R6-1R		
82.120 SB		1	48	48	16.00						2												2	X									W4-1R		
82.180 SB		1	78	78		42.25					2												2	X									D5-2b	152	
82.183 SB		1	18	18	2.25						1				X			1															OM1-1		
82.330 SB		1	48	60	20.00						2												2	X									W13-3		
82.580 SB		1	144	102		102.00																												138	
		1	30	30	6.25						2																	2		407	W6X12		Fuse-Plate Bolt Tension 13.8 kips	151	
												FT	FT	FT	FT 9.5	FT 114.0	FT		EA.	LB	LB 69.9	LB			LB 843.6	LB	LB	LB						
SUBTOTALS SHEET 26		SF 120.50			SF 144.25		EA.	SF				FT			FT 123.5					LB 69.9			EA. 8		LB 843.6				EA. 2	EA.	LB 407				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

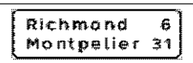
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 26

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 84 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 27

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME	REMARKS	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
83.000 SB		1	12	36	3.00						1					X		1														D10-2		E-139
83.040 SB		1	108	36		27.00					2												2	X								143	
83.200 SB		1	144	108		108.00																										144	
		1	114	42		33.25					2																	2		733	W8X18		Fuse-Plate Bolt Tension 19.2 kips SEE FOOTING DETAIL ON SHEET 3	144	
83.300 SB		1	48	60	20.00																											R2-1		
		1	48	48	16.00						2												2		X							VR-141		E-142
83.400 SB		1	48	48	16.00																											VW-397	151	
		1	24	18	3.00						2												2	X								VP-396	151	
83.495 SB		1	30	15	3.13																											M3-3 WHITE ON BLUE		
		1	36	36	9.00																											M1-1		
		1	36	36	9.00						1												1	X								M1-10		
83.540 SB MED		1	36	36	9.00						2					X		2														R3-4		
83.750 SB MED		1	36	12	3.00						2					X		2														R6-1R		
83.850 SB		1	48	48	16.00						2												2	X								W4-1R		
83.987 SB		1	12	36	3.00						1				X			1														OM-3R		
83.987 SB MED		1	12	36	3.00						1				X			1														OM-3L		
84.000 SB		1	12	36	3.00						1					X		1														D10-2		E-139
												FT	FT	FT	FT 25.2	FT 81.0	FT	EA.		LB	LB	LB		LB 697.0	LB 315.0	LB	LB							
SUBTOTALS SHEET 27		SF 116.13	SF 168.25	EA.	SF							FT			FT 106.2					LB			EA. 9		LB 1012.0			EA. 2	EA.	LB 733				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 27

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 85 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 28

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft				W-SHAPE STEEL				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	FTG. SIZE 24"	30"	WEIGHT	POST SIZE				
84.049 SB	EXIT 12	1	72	60		30.00					2												2	X									152	
84.053 SB		1	18	18	2.25						1				X			1															OM1-1		
84.300 SB	EXIT 12	1	96	30	20.00																												152	
	Williston Essex Jct	1	204	156		221.00																											139	
	STATE POLICE	1	30	30	6.25						2																	2	1368	W12X30		Fuse-Plate Bolt Tension 29.8 kips SEE FOOTING DETAIL ON SHEET 3		E-132
84.365 SB		1	48	48	16.00																											FLASHING BEACONS RETAINED	151	
	WHEN FLASHING	1	48	24	8.00				2																								151	
84.425 SB MED		1	36	36	9.00						2					X		2															R3-4		
84.500 SB	CAR POOL INFO 1-800-685-RIDE	1	72	54		27.00					2												2	X									144	
84.650 SB	EXIT 12	1	96	30	20.00																												152	
	Williston Essex Jct	1	204	138		195.50																											139	
	NEXT EXIT 6 MILES	1	162	24		27.00					2																2		1114	W10X22		Fuse-Plate Bolt Tension 30.1 kips	152	
84.890 SB	Winesburg Bristol EXIT 12	1	138	84		80.50					2												2			X							139	
84.997 SB		1	12	36	3.00						1				X			1															OM-3R		
84.997 SB MED		1	12	36	3.00						1				X			1															OM-3L		
85.000 SB	85	1	12	36	3.00						1					X		1															D10-2		E-139
85.050 SB	ENTERING TOWN OF WILLISTON	1	36	24	6.00						2					X		2															I-2		E-131
												FT	FT	FT	FT 34.7	FT 76.4	FT	EA.		LB	LB	LB		LB 428.7	LB	LB	LB 470.2							
SUBTOTALS SHEET 28		SF 96.50			SF 581.00	EA.	SF				FT				FT 111.1					LB			EA. 6		LB 898.9			EA. 2	EA. 2	LB 2482				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
TRAFFIC SIGN SUMMARY SHEET # 28
SHEET 86 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 29

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
85.240 SB	EXIT 12	1	96	30	20.00																												152	
	Williston Essex Jct	1	204	144		204.00					2																	2		813	W8X21		Fuse-Plate Bolt Tension 34.1 kips	139	
86.000 SB	MILE 8 6	1	12	36	3.00						1					X		1															D10-2		E-139
86.290 SB	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
86.290 SB MED	KEEP RIGHT EXCEPT TO PASS	1	48	60	20.00						2												2	X									VR-132	151	
86.540 SB	Williston 6 Montpelier 35	1	114	36		28.50					2												2	X										144	
86.755 SB	SPEED LIMIT 65	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
86.850 SB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X									VP-396	151	
86.945 SB	SOUTH	1	30	15	3.13																												M3-3 WHITE ON BLUE		
	89	1	36	36	9.00																												M1-1		
	DRIVERS MUST ROTATE CAUTION	1	36	36	9.00						1												1	X									M1-10		
87.000 SB	MILE 8 7	1	12	36	3.00						1					X		1															D10-2		E-139
87.020 SB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X									R8-7		
87.195 SB		1	12	36	3.00						1				X			1															OM-3R		
87.195 SB MED		1	12	36	3.00						1				X			1															OM-3L		
												FT	FT	FT	FT 25.4	FT 21.2	FT	EA.		LB	LB	LB		LB 1176.5	LB 315.0	LB	LB							
	SUBTOTALS SHEET 29				SF 160.13	SF 232.50	EA.	SF				FT			FT 46.6					LB			EA. 13	LB 1491.5				EA. 2	EA.	LB 813				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 29

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 30

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
87.240 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
87.340 SB		1	48	48	16.00						2									X													W4-1R		
87.400 SB		1	12	36	3.00						1				X			1															OM-3R		
87.400 SB MED		1	12	36	3.00						1				X			1															OM-3L		
87.577 SB	EXIT 13	1	72	60		30.00					2												2	X									152	
87.580 SB		1	18	18	2.25						1				X			1															OM1-1		
87.630 SB	RAMP 40 MPH	1	48	60	20.00						2												2	X									W13-3		
87.730 SB	EXIT 13	1	96	30	20.00																												152	
	TO 7 Shelburne Rutland	1	210	192		280.00					3																	3		1901	W10X22		Fuse-Plate Bolt Tension 33.6 kips	144	
87.960 SB	Vergennes Middlebury EXIT 13	1	150	84		87.50					2												2				X						144	
88.215 SB	SPEED LIMIT 55	1	48	60	20.00																											R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X							VR-141		E-142
88.310 SB	EXIT 13	1	96	30	20.00																												152	
	TO 7 Shelburne Rutland	1	216	174		261.00			3																								144	
88.375 SB		1	48	48	16.00																											VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X								VP-396	151	
												FT	FT	FT	FT 34.7	FT 28.9	FT		EA.	LB 49.6	LB	LB		LB 608.0	LB 315.0	LB	LB 569.4							
	SUBTOTALS SHEET 30	SF 142.25			SF 658.50		EA.	SF			FT				FT 63.6					LB 49.6			EA. 10	LB 1492.4				EA. 3	EA.	LB 1901				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 30

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 88 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 31

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 1.7	4.0Moc 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
88.450 SB	SOUTH	1	30	15	3.13																												M3-3 WHITE ON BLUE		
	89	1	36	36	9.00																												M1-1		
		1	36	36	9.00						1												1	X									M1-10		
88.510 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
88.565 SB		1	48	48	16.00						2												2	X									W4-1R		
88.695 SB O/H	EXIT 14 E	1	96	30	20.00																													152	
	2 EAST S. Burlington	1	252	90		157.50																											BRIDGE MOUNTED	144	
88.745 SB MED	ONE WAY	1	36	12	3.00						2					X		2															R6-1R		
88.830 SB		1	48	48	16.00						2												2	X									W4-1R		
88.933 SB O/H	EXIT 14 E / EXIT 14 W	1 1	96 96	30 30	20.00 20.00																												MOUNT ON EXISTING OVERHEAD SIGNS	152 152	
89.005 SB	EXIT 35	1	48	60	20.00						2										X												W13-2		
89.150 SB	Burlington International Airport EXIT 14E	1	174	102		123.25					2																	2		540	W6X15		Fuse-Plate Bolt Tension 19.2 kips	141	
89.315 SB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X									VP-396	151	
89.410 SB O/H	EXITS 14 E-W	1	132	30		27.50																												152	
	2 Burlington S. Burlington 1/2 MILE	1	264	90		165.00																											BRIDGE-MOUNTED	145	
												FT	FT	FT	FT	FT 54.8	FT		EA.	LB	LB 68.2	LB		LB 729.6	LB	LB	LB								
	SUBTOTALS SHEET 31				SF 158.13	SF 473.25	EA.	SF				FT				FT 54.8					LB 68.2		EA. 7		LB 729.6			EA. 2	EA.	LB 540					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss main SB.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	JH
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 31		SHEET 89	OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 32

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"						
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
89.450 SB	SPEED LIMIT 55	1	48	60	20.00																														
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
89.450 SB MED	SPEED LIMIT 55	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
89.570 SB	University of Vermont Champlain College Burlington College EXIT 14W	1	210	84		122.50																												141	
	H	1	30	30	6.25						2																	2		525	W6X15		D9-2		E-132
		1	30	30	6.25																												Fuse-Plate Bolt Tension 19.2 kips		
																																	D9-3a		E-132
89.670 SB	RURAL TRAFFIC KEEP LEFT	1	48	48	16.00						2												2	X										151	
89.670 SB MED	RURAL TRAFFIC KEEP LEFT	1	48	48	16.00						2												2	X										151	
89.780 SB	EXITS 14 E-W	1	132	30		27.50																												152	
	2 Burlington S. Burlington	1	210	144		210.00					2																	2		944	W10X22		Fuse-Plate Bolt Tension 30.4 kips	145	
89.815 SB MED	ENTERING CITY OF S. BURLINGTON	1	36	24	6.00						2				X		2																I-2		E-131
89.966 SB MED	WINOOSKI RIVER	1	64	28	12.44						2				X		2																	151	
90.050 SB	WINOOSKI AVOID BUS SIGN AHEAD	1	48	48	16.00						2												2	X								W8-13		
90.150 SB	SOUTH	1	30	15	3.13																											M3-3 WHITE ON BLUE		
	INTERSTATE 89	1	36	36	9.00																											M1-1		
	EXIT 14 WINOOSKI BURLINGTON AIRPORT	1	36	36	9.00						1												1	X								M1-10		
												FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB		LB	LB	LB	LB								
																66.4									722.0	639.9									
SUBTOTALS SHEET 32		SF	SF	EA.	SF							FT			FT					LB			EA.	LB				EA.	EA.	LB					
		172.07	360.00													66.4							11		1361.9			4		1469					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 32

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 90 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 33

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FNDATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
90.250 SB	SPEED LIMIT 55	1	48	60	20.00																										R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X						VR-141		E-142
90.317 SB		1	12	36	3.00						1				X			1													OM-3R		
90.317 SB MED		1	12	36	3.00						1				X			1													OM-3L		
90.369 SB MED	ONE WAY	1	36	12	3.00						2					X		2													R6-1R		
90.499 SB		1	12	36	3.00						1				X			1													OM-3R		
90.499 SB MED		1	12	36	3.00						1				X			1													OM-3L		
90.627 SB		1	12	36	3.00						1				X			1													OM-3R		
90.627 SB MED		1	12	36	3.00						1				X			1													OM-3L		
90.770 SB	Burlington 3 Montpelier 39	1	114	36		28.50					2												2	X								145	
90.914 SB	ENTERING CITY OF WINOOSKI	1	36	24	6.00						2					X		2													I-2		E-131
SUBTOTALS SHEET 33		SF 63.00	SF 28.50	EA.	SF							FT	FT	FT	FT 75.7	FT 58.0	FT	EA.		LB	LB	LB	EA. 4	LB 162.7	LB 315.0	LB	LB	EA.	EA.	LB				
															FT 133.7					LB														

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

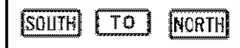
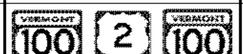
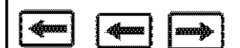
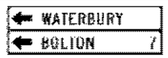
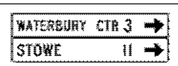
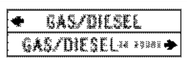
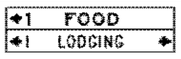
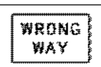
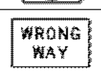
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IM G SIGN(18)

FILE NAME: 090124 tss main SB.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 33

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 34

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS E A	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
INT #10 0.070 RAMP A RT		1	36	36	9.00						2					X		2															W3-1a		
0.071 RAMP A LT		1	12	36	3.00						1				X			1															OM-3L		
0.071 RAMP A RT		1	12	36	3.00						1				X			1															OM-3R		
0.155 RAMP A RT		1 1 1	24 24 24	12 12 12	2.00 2.00 2.00																											M3-3 GREEN ON WHITE M4-5 BLACK ON WHITE M3-1 GREEN ON WHITE		
		1 1 1	30 24 30	24 24 24	5.00 4.00 5.00																											M1-5 M1-4 M1-5		E-136B E-136B
		1 1 1	21 21 21	15 15 15	2.19 2.19 2.19						2										X											#3B	M6-1 GREEN ON WHITE M6-1 BLACK ON WHITE M6-1 GREEN ON WHITE		
0.185 RAMP A RT		1 1	72 72	12 12	6.00 6.00																											D1-1 D1-1a		E-123 E-123
		1 1	72 72	12 12	6.00 6.00						2										X												D1-1a D1-1a		E-123 E-123
0.215 RAMP A RT		1 1	72 72	10 10	5.00 5.00																											VD-502G VD-502G		
		1 1	72 72	10 10	5.00 5.00																											VD-502F VD-502L		
		1 1	72 72	10 10	5.00 5.00																											VD-502I VD-502C		
		1	72	10	5.00						2										X												VD-502C		
0.247 RAMP A RT		1	36	30	7.50						2					X		2															VR-925		E-145A
0.260 RAMP A LT		1	36	24	6.00																											R5-1a		
		1	24	24	4.00						2					X		2															R9-4a		
0.260 RAMP A RT		1	36	24	6.00						2					X		2															R5-1a		
												FT	FT	FT	FT 25.2	FT 115.1	FT	EA.		LB	LB 195.5	LB			LB	LB	LB								
					SUBTOTALS SHEET 34	SF 124.07	SF	EA.	SF			FT			FT 140.3					LB 195.5			EA.		LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 34

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 92 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 35

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS E A	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.280 RAMP A LT		1	36	36	9.00																												R1-1		
		1	36	36	9.00																												BACK TO BACK		
																																	R5-1		
		1	36	12	3.00						2					X		2															R6-1L		
		1	36	12	3.00																												BACK TO BACK		
																																	R6-1R		
0.284 RAMP A RT		1	36	36	9.00																												R1-1		
		1	36	36	9.00																												BACK TO BACK		
																																	R5-1		
		1	36	12	3.00						2					X		2															R6-1L		
		1	36	12	3.00																												BACK TO BACK		
																																	R6-1R		
INT #10 0.030 RAMP C RT		1	36	36	9.00																												VR-046		E-142
		1	36	36	9.00						2												2	X								VR-002		E-142
0.050 RAMP C LT		1	36	36	9.00																												W1-11		
		1	24	24	4.00						2					X		2															W13-1		
0.070 - 0.130 LT RAMP C		5	18	24	15.00						5					X		5															W1-8 FLUORESCENT-YELLOW TYPE IX SHEETING		
0.155 RAMP C RT		1	30	30	6.25						1					X		1															R3-2		
INT #10 0.030 RAMP D RT		1	36	36	9.00																												VR-046		E-142
		1	36	36	9.00						2										X												VR-002		E-142
0.040 - 0.120 LT RAMP D		5	18	24	15.00						5					X		5															W1-8 YELLOW COLORED TYPE IX SHEETING		
0.050 RAMP D LT		1	36	36	9.00																												W1-11		
		1	24	24	4.00						2					X		2															W13-1		
												FT	FT	FT	FT	FT 268.7	FT		EA.	LB	LB	LB		LB 191.6	LB	LB	LB								
																				45.4																
SUBTOTALS SHEET 35		SF 146.25	SF	EA.	SF				FT			FT 268.7			LB 45.4				EA. 2	LB 191.6				EA.	EA.	LB										

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int10.xls**
PROJECT LEADER: **CRB**
DESIGNED BY: **BDB**
TRAFFIC SIGN SUMMARY SHEET # 35

PLOT DATE: **10/27/2009**
DRAWN BY: **JH**
CHECKED BY: **DAM**
SHEET **93** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 36

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
												1.88	2.42	3.35						1.3	1.7	1.7		7.6	9.0	10.8	14.6									
0.150 RAMP D RT		1	30	30	6.25						1					X		1															R3-2		
INT #10 0.065 RAMP E RT		1	36	36	9.00																													VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00						2									X													VR-002		E-142
0.150 RAMP E RT		1	30	30	6.25						1					X		1															R3-2		
INT #10 0.055 RAMP F RT		1	36	36	9.00						2					X		2															W3-3		
0.075 RAMP F RT	← WATERBURY CTR 3	1	72	12	6.00																												D1-1a		E-123
	← STOWE 11	1	72	12	6.00																												D1-1a		E-123
	WATERBURY ↗	1	72	12	6.00																												D1-1a		E-123
	WAITSFIELD 11 ↗	1	72	12	6.00																												D1-1a		E-123
	WARREN 18 ↗	1	72	12	6.00																												D1-1a		E-123
	NORTH SOUTH TO	1	24	12	2.00																												M3-1 GREEN ON WHITE		
		1	24	12	2.00																												M3-3 GREEN ON WHITE		
		1	24	12	2.00																												M4-5 BLACK ON WHITE		
	VERMONT 100 VERMONT 100 2	1	30	24	5.00																												M1-5		E-136B
		1	30	24	5.00																												M1-5		E-136B
		1	24	24	4.00																												M1-4		
		1	21	15	2.19																												M6-1 GREEN ON WHITE		
		1	21	15	2.19						2												2			X					#3B	M6-2 GREEN ON WHITE		
		1	21	15	2.19																												M6-2 BLACK ON WHITE		
0.095 RAMP F RT	CONST ZONE	1	36	30	7.50						2					X		2															VR-925		E-145A
SUBTOTALS SHEET 36		SF 103.57	SF	EA.	SF							FT	FT	FT	FT	FT 92.3	FT	EA.		LB 45.4	LB	LB		LB	LB	LB 365.1	LB	EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 36

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 37

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
0.125 RAMP F RT	GAS/DIESEL / GAS/DIESEL 24 HOURS	1	72	10	5.00																												VD-502G
		1	72	10	5.00																												VD-502G
	FOOD 1 / LODGING 1	1	72	10	5.00																												VD-502F
		1	72	10	5.00																												VD-502L
	INFORMATION / CAMPING 5	1	72	10	5.00																												VD-502I
		1	72	10	5.00																												VD-502C
	8 RV CAMPING	1	72	10	5.00						2										X												VD-502C
0.155 RAMP F LT		1	18	18	2.25						1				X			1															OM1-1
0.160 RAMP F LT	NORTH SOUTH TO	1	24	12	2.00																												M3-1 GREEN ON WHITE
		1	24	12	2.00																												M3-3 GREEN ON WHITE
		1	24	12	2.00																												M4-5 BLACK ON WHITE
	VERMONT 100 VERMONT 100 2	1	30	24	5.00																												M1-5
		1	30	24	5.00																												M1-5
		1	24	24	4.00																												M1-4
		1	21	15	2.19																												M6-1 GREEN ON WHITE
		1	21	15	2.19																											#3B	M6-2 GREEN ON WHITE
		1	21	15	2.19																												M6-2 BLACK ON WHITE
	WRONG WAY	1	42	30	8.75						2													2	X								R5-1a BACK TO BACK
0.160 RAMP F LT	WRONG WAY	1	42	30	8.75						2					X		2															R5-1a
0.170 RAMP F RT		1	36	36	9.00						2					X		2															W4-6
0.195 RAMP F RT	DO NOT ENTER	1	30	30	6.25						1					X		1															R3-2
		1	36	36	9.00																												BACK TO BACK R5-1
INT #10 0.030 RAMP H RT	PROHIBITED	1	36	36	9.00																												VR-046
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00						2													2	X								VR-002
0.140 RAMP H RT		1	30	30	6.25						1					X		1															R3-2
												FT	FT	FT	FT 9.5	FT 89.4	FT	EA.		LB	LB 69.6	LB		LB 369.5	LB	LB	LB						
	SUBTOTALS SHEET 37	SF 129.82	SF	EA.	SF							FT			FT 98.9					LB 69.6			EA. 4	LB 369.5				EA.	EA.	LB			

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int10.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **JH**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 37 SHEET **95** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 38

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												lb/ft			lb/ft					lb/ft				lb/ft												
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"							
INT #10 0.092 VT 100 RT	JCT	1	21	15	2.19																												M2-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00						1					X		1															M1-1		
0.105 VT 100 LT	← WATERBURY ← WAITSFIELD 11	1	72	12	6.00																												D1-1		E-123
		1	72	12	6.00																												D1-1a		E-123
	← WARREN 18 BOLTON 7 →	1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
	RICHMOND 15 →	1	72	12	6.00																												D1-1a BACK TO BACK W/ ABOVE		E-123
	EAST SOUTH WEST	1	24	12	2.00																												M3-2 BLACK ON WHITE		
		1	24	12	2.00																												M3-3 GREEN ON WHITE		
		1	24	12	2.00																												M3-4 BLACK ON WHITE		
	2 VERMONT 100 2	1	24	24	4.00																												M1-4		
		1	30	24	5.00																												M1-5		E-136B
		1	24	24	4.00																												M1-4		
		1	21	15	2.19																												M6-1 BLACK ON WHITE		
		1	21	15	2.19						2												2			X						#3B	M6-1 GREEN ON WHITE		
		1	21	15	2.19																												M6-1 BLACK ON WHITE		
0.120 VT 100 RT	↑ RICHMOND 16 ↑ BURLINGTON 26	1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
	MIDDLESEX 6 ↗ MONTPELIER 12 ↗	1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00						2										X												D1-1a		E-123
0.135 VT 100 LT	13-10	1	36	36	9.00																												W12-2		
		1	21	15	2.19						2					X		2															M5-1 WHITE ON BLUE		
0.155 VT 100 RT	NORTH NORTH SOUTH	1	24	12	2.00																												M3-1 GREEN ON WHITE		
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
	VERMONT 100 INTERSTATE 89 INTERSTATE 89	1	30	24	5.00																												M1-5		E-136B
		1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19																												M6-3 GREEN ON WHITE		
		1	21	15	2.19						2										X										#3A	M6-3 WHITE ON BLUE		
		1	21	15	2.19																												M6-2 WHITE ON BLUE		
0.165 VT 100 LT		1	36	36	9.00						2					X		2															W3-1a		
0.165 VT 100 CL		1	36	36	9.00						2					X		2	2														W3-1a		
												FT	FT	FT	FT	FT 112.6	FT		EA. 2	LB	LB 132.7	LB		LB	LB	LB 386.7	LB							
	SUBTOTALS SHEET 38				SF 140.52	SF	EA.	SF				FT			FT	112.6				LB	132.7		EA. 2	LB		386.7		EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int10.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **JH**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 38 SHEET **96** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 39

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
												1.88	2.42	3.35						1.3	1.7	1.7		7.6	9.0	10.8	14.6									
0.195 VT 100 RT		1	30	30	6.25						1					X		1															VR-921		E-145A
0.200 VT 100 LT		1	36	36	9.00						2					X		2															W4-3		
0.208 VT 100 LT		1	36	36	9.00																												R5-1		
		1 1	36 36	12 12	3.00 3.00						2					X		2															R6-1L BACK TO BACK R6-1R		
0.209 VT 100 CL		1	24	30	5.00																												R4-7		
		1	18	18	2.25						1					X		1	1														OM1-1		
0.217 VT 100 LT		1	36	36	9.00																												R5-1		
		1 1	36 36	12 12	3.00 3.00						2					X		2															R6-1L BACK TO BACK R6-1R		
0.223 VT 100 CL		1	24	30	5.00																												R4-7		
		1	18	18	2.25						1					X		1	1														OM1-1		
0.240 VT 100 LT		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-2 WHITE ON BLUE		
0.245 VT 100 LT		1	18	18	2.25						1				X			1															OM1-1		
0.285 VT 100 LT		1	30	30	6.25						1					X		1															VR-921		E-145A
0.290 VT 100 RT		1	18	18	2.25						1				X			1															OM1-1		
												FT	FT	FT	FT 19.0	FT 160.4	FT	EA. 2		LB	LB	LB		LB	LB	LB	LB									
SUBTOTALS SHEET 39		SF 78.69	SF	EA.	SF							FT			FT 179.4					LB			EA.	LB				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 39

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 40

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE					
															lb/ft					lb/ft				lb/ft												
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"						
0.295 VT 100 RT	SOUTH	1	24	12	2.00																											M3-3 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00																											M1-1		
		1	21	15	2.19						1					X		1															M6-2 WHITE ON BLUE		
0.320 VT 100 LT	MIDDLESEX 6 MONTPELIER 12	1 1	72 72	12 12	6.00 6.00																											D1-1a D1-1a		E-123 E-123
	SOUTH	1	24	12	2.00																											M3-3 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00																											M1-1		
		1	21	15	2.19						2										X											M6-2 WHITE ON BLUE		
0.330 VT 100 RT	SPEED LIMIT 40	1	24	30	5.00						1					X		1														R2-1		
0.335 VT 100 RT		1	12	36	3.00						1				X			1														OM-3R		
0.389 VT 100 LT		1	12	36	3.00						1				X			1														OM-3R		
0.405 VT 100 RT	RICHMOND 16 BURLINGTON 26	1 1	72 72	12 12	6.00 6.00																											D1-1a D1-1a		E-123 E-123
	NORTH	1	24	12	2.00																											M3-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00																											M1-1		
		1	21	15	2.19						2										X											M6-2 WHITE ON BLUE		
0.445 VT 100 LT	NORTH	1	24	12	2.00																											M3-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00																											M1-1		
		1	21	15	2.19						1					X		1															M6-2 WHITE ON BLUE		
												FT	FT	FT	FT 25.2	FT 45.3	FT		EA.	LB	LB 142.2	LB		LB	LB	LB	LB			EA.	EA.	LB			
	SUBTOTALS SHEET 40				SF 67.76	SF	EA.	SF				FT			FT 70.5					LB 142.2			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

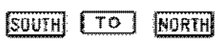
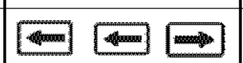
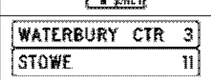
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 40

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 98 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 41

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							
												lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		
															lb/ft					lb/ft				lb/ft											
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"						DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.450 VT 100 LT		1	18	18	2.25						1				X			1																OM1-1		
0.450 VT 100 RT		1	30	30	6.25						1					X		1																VR-921		E-145A
0.493 VT 100 RT		1	18	18	2.25						1				X			1																OM1-1		
0.497 VT 100 RT		1	24	12	2.00																													M3-1 WHITE ON BLUE		
		1	24	24	4.00																													M1-1		
		1	21	15	2.19						1					X		1																M6-2 WHITE ON BLUE		
0.505 VT 100 CL		1	24	30	5.00																													R4-7		
		1	18	18	2.25						1					X		1	1															OM1-1		
0.518 VT 100 LT		1 1 1	24 24 24	12 12 12	2.00 2.00 2.00																													M3-3 GREEN ON WHITE M4-5 BLACK ON WHITE M3-1 GREEN ON WHITE		
		1 1 1	30 24 30	24 24 24	5.00 4.00 5.00																													M1-5 M1-4 M1-5		E-136B E-136B
		1 1 1	21 15 21	15 15 15	2.19 2.19 2.19						2													2	X							#3B	M6-1 GREEN ON WHITE M6-1 GREEN ON WHITE M6-1 GREEN ON WHITE		
0.521 VT 100 CL		1	24	30	5.00																													R4-7		
		1	18	18	2.25						1					X		1	1															OM1-1		
0.526 VT 100 LT		1	30	30	6.25						1					X		1																VR-921		E-145A
0.545 VT 100 RT		1 1	72 72	12 12	6.00 6.00																													D2-1 D2-1		E-123 E-123
		1	24	12	2.00																													M3-1 GREEN ON WHITE		
		1	30	24	5.00						2													2	X									M1-5		E-136B
												FT	FT	FT	FT 19.0	FT 69.8	FT		EA. 2	LB	LB	LB		LB 378.6	LB	LB	LB							
		SUBTOTALS SHEET 41			SF 85.26	SF	EA.	SF				FT			FT 88.8					LB				EA. 4	LB 378.6				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 41

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 42

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																						REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"							
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
0.550 VT 100 LT	SOUTH / SOUTH	1	24	12	2.00																												M3-3 GREEN ON WHITE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
	VERMONT 100 / 89	1	30	24	5.00																												M1-5		E-136B
		1	24	24	4.00																												M1-1		
		1	21	15	2.19																											#2A	M6-3 BLACK ON WHITE		
		1	21	15	2.19																												M6-3 WHITE ON BLUE		
	TO / NORTH	1	24	12	2.00																												M4-5 GREEN ON WHITE		
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
	2 / 89	1	24	24	4.00																												M1-4		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						2												2	X							#2	M6-3 BLACK ON WHITE		
		1	21	15	2.19																												M6-2 WHITE ON BLUE		
0.565 VT 100 RT		1	36	36	9.00						2					X		2															W3-3		
0.575 VT 100 LT	MIDDLESEX 6 / MONTPELIER 12	1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
	RICHMOND 16 / BURLINGTON 26	1	72	12	6.00						2												2	X									D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
0.602 VT 100 LT	SPEED LIMIT 40	1	24	30	5.00						1					X		1															R2-1		
0.602 VT 100 CL		1	24	30	5.00																												R4-7		
		1	18	18	2.25						1					X		1	1														OM1-1		
0.602 VT 100 RT	SPEED LIMIT 35	1	24	30	5.00						1					X		1															R2-1		
0.630 VT 100 LT	JCT	1	21	15	2.19																												M2-1 WHITE ON BLUE		
	89	1	24	24	4.00						1					X		1															M1-1		
												FT	FT	FT	FT	FT 86.9	FT	EA. 1		LB	LB	LB		LB 435.6	LB	LB	LB								
SUBTOTALS SHEET 42		SF 90.20	SF	EA.	SF							FT			FT 86.9					LB			EA. 4	LB 435.6				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

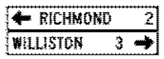
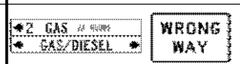
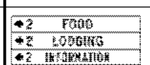
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int10.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 42

PLOT DATE: 10/27/2009
DRAWN BY: JH
CHECKED BY: DAM
SHEET 100 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 43

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75	2.0	2.5 lb/ft 1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0	4.0	4.0Mod lb/ft 1.3	1.7	1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0	3.5	4.0	5.0 lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
INT#11 0.150 RAMP A RT		1	36	36	9.00						2					X		2																			W3-1a		
0.230 RAMP A RT		1	24	12	2.00																															M3-2 BLACK ON WHITE		
		1	24	12	2.00																															M3-4 BLACK ON WHITE		
		1	24	12	2.00																															M4-5 GREEN ON WHITE		
		1	24	24	4.00																															M1-4		
		1	24	24	4.00																															M1-4		
		1	30	24	5.00																															M1-5		E-136B
		1	21	15	2.19																															M6-1 BLACK ON WHITE		
		1	21	15	2.19						2															2	X							#3A	M6-1 BLACK ON WHITE		
		1	21	15	2.19																															M6-1 GREEN ON WHITE		
0.270 RAMP A RT		1	72	12	6.00						2					X		2																		D1-1a		E-123
		1	72	12	6.00																															D1-1a		E-123
0.310 RAMP A RT		1	72	10	5.00																															VD-502G		
		1	72	10	5.00																															VD-502G BACK TO BACK		
		1	36	24	6.00																															R5-1a		
		1	72	10	5.00																															VD-502F		
		1	72	10	5.00						2													X												VD-502L		
		1	72	10	5.00																															VD-502I		
0.352 RAMP A LT		1	24	30	5.00																															R4-7		
																																				BACK TO BACK		
		1	30	30	6.25																															R1-1		
		1	18	18	2.25						1					X		1	1																	OM1-1		
0.355 RAMP A RT		1	30	30	6.25																															R1-1		
																																				BACK TO BACK		
		1	30	30	6.25																															R5-1		
		1	36	12	3.00						1											X														R6-1L		
																																				BACK TO BACK		
		1	36	12	3.00																															R6-1R		
INT#11 0.030 RAMP B RT		1	36	36	9.00																															VR-046		E-142
		1	36	36	9.00						2															2	X									VR-002		E-142
0.085 RAMP B RT		1	30	30	6.25						1					X		1																		R3-2		

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

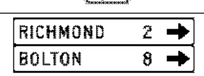
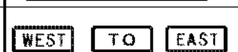
	SF	SF	EA.	SF		FT	FT	FT	FT	FT 87.4	FT	EA. 1	LB 21.1	LB 64.0	LB	LB 369.5	LB	LB	LB	EA.	EA.	LB
SUBTOTALS SHEET 43	133.82									87.4			85.1		4	369.5						

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss int11 12.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 43		SHEET 101 OF 174	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 44

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
INT#11 0.055 RAMP C LT		1			3.90						1					X		1															R1-2 36"X36"X36"		
0.055 RAMP C RT		1			3.90						1					X		1															R1-2 36"X36"X36"		
0.070 RAMP C RT		1	36	36	9.00																												VR-046		E-142
		1	36	36	9.00						2									X			2										VR-002		E-142
0.110 RAMP C RT		1	36	36	9.00																												W1-11		
		1	24	24	4.00						2					X		2															W13-1		
0.240 - 0.300 LT RAMP C		5	24	30	25.00						5					X		5															W1-8 FLUORESCENT-YELLOW TYPE IX SHEETING		
0.305 RAMP C RT		1	30	30	6.25						1					X		1															R3-2		
INT#11 0.030 RAMP D RT		1	36	36	9.00						2					X		2															W3-1a		
0.060 RAMP D LT		1	30	36	7.50						1					X		1															D4-2L		
0.060 RAMP D RT		1 1	72 72	12 12	6.00 6.00																												D1-1a D1-1a		E-123 E-123
		1 1 1	24 24 24	12 12 12	2.00 2.00 2.00																												M3-4 BLACK ON WHITE M4-5 GREEN ON WHITE M3-2 BLACK ON WHITE		
		1 1 1	24 30 24	24 24 24	4.00 5.00 4.00																												M1-4 M1-5 M1-4		E-136B
		1 1 1	21 21 21	15 15 15	2.19 2.19 2.19						2									X														#3A	M6-1 BLACK ON WHITE M6-1 GREEN ON WHITE M6-1 BLACK ON WHITE		
0.090 RAMP D RT		1	36	30	7.50						2					X		2															VR-922		E-145A
												FT	FT	FT	FT	FT 224.5	FT		EA.	LB	LB 45.4	LB 67.7	LB		LB	LB	LB	LB							
SUBTOTALS SHEET 44		SF 131.62	SF	EA.	SF							FT			FT 224.5					LB 113.1			EA. 2		LB				EA.	EA.	LB				

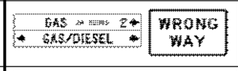
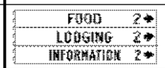
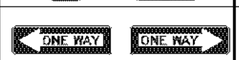
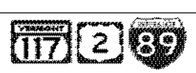
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int11 12.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **SRB**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 44 SHEET **102** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 45

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.120 RAMP D LT		1	36	24	6.00																													R5-1a		
		1	24	24	4.00						2					X			2															R9-4a		
0.120 RAMP D RT		1 1 1	72 72 36	10 10 24	5.00 5.00 6.00																													VD-502G VD-502G BACK TO BACK R5-1a		
		1 1 1	72 72 72	10 10 10	5.00 5.00 5.00						2													2	X									VD-502F VD-502L VD-502I		
0.145 RAMP D RT		1	48	24	8.00						2					X			2															W1-6		
0.171 RAMP D LT		1 1	30 30	30 30	6.25 6.25																													R1-1 BACK TO BACK R5-1		
		1 1	36 36	12 12	3.00 3.00						1					X			1															R6-1L BACK TO BACK R6-1R		
0.171 RAMP D RT		1 1	30 30	30 30	6.25 6.25																													R1-1 BACK TO BACK R5-1		
		1 1	36 36	12 12	3.00 3.00						1					X			1															R6-1L BACK TO BACK R6-1R		
INT#11 0.925 US 2 LT		1	24	12	2.00																													M3-4 BLACK ON WHITE		
		1	24	12	2.00						1					X			1															M3-2 BLACK ON WHITE		
0.925 US 2 RT		1 1 1	24 24 21	12 12 15	2.00 2.00 2.19																													M3-4 GREEN ON WHITE M3-2 BLACK ON WHITE M2-1 WHITE ON BLUE		
		1 1 1	30 24 24	24 24 24	5.00 4.00 4.00																													M1-5 M1-4 M1-1		E-136B
		1 1 1	21 21 21	15 15 15	2.19 2.19 2.19						2										X												#3A	M6-1 GREEN ON WHITE M6-3 BLACK ON WHITE M6-3 WHITE ON BLUE		
												FT	FT	FT	FT	FT 100.7	FT		EA.	LB	LB 65.8	LB		LB 188.5	LB	LB	LB								

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

SUBTOTALS SHEET 45	SF 115.76	SF	EA.	SF		FT	FT 100.7	EA. 2	LB 65.8	LB 188.5	EA.	EA.	LB

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss int11 12.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 45		SHEET 103 OF 174	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 46

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) lb/ft FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.967 US 2 LT	WILLISTON / ESSEX JCT 8 / GAS/DIESEL	1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
		1	72	10	5.00																												VD-502G		
	WEST WEST	1	24	12	2.00																												M3-4 BLACK ON WHITE		
		1	24	12	2.00																												M3-4 GREEN ON WHITE		
	2 VERMONT 117	1	24	24	4.00																												M1-4		
		1	30	24	5.00																												M1-5		E-136B
		1	21	15	2.19						2												2	X								M6-2 BLACK ON WHITE		
		1	21	15	2.19																												M6-2 GREEN ON WHITE		
0.978 US 2 RT	BURLINGTON 12	1	72	12	6.00																												D1-1a		E-123
	NORTH SOUTH EAST	1	24	12	2.00																												M3-1 WHITE ON BLUE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	12	2.00																												M3-2 BLACK ON WHITE		
	89 89 2	1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-4		
		1	21	15	2.19																												M6-1 WHITE ON BLUE		
		1	21	15	2.19						2											X									#3	M6-3 WHITE ON BLUE		
		1	21	15	2.19																												M6-3 BLACK ON WHITE		
0.980 US 2 RT	EAST WEST TO	1	24	12	2.00																												M3-2 BLACK ON WHITE		
		1	24	12	2.00																												M3-4 BLACK ON WHITE		
		1	24	12	2.00																												M4-5 GREEN ON WHITE		
	2 2 VERMONT 117	1	24	24	4.00																												M1-4		
		1	24	24	4.00																												M1-4		
		1	30	24	5.00																												M1-5		E-136B
		1	21	15	2.19						2											X									#3A	M6-1 BLACK ON WHITE		
		1	21	15	2.19																												M6-1 BLACK ON WHITE		
		1	21	15	2.19																												M6-1 GREEN ON WHITE		
0.990 US 2 LT	DO NOT BLOCK INTERSECTION NORTH	1	24	30	5.00																												BACK TO BACK		
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
	89	1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-1 WHITE ON BLUE		
1.010 US 2 LT	NORTH	1	24	12	2.00																												M3-1 WHITE ON BLUE		
	89	1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-2 WHITE ON BLUE		

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

SUBTOTALS SHEET 46	SF 111.90	SF	EA.	SF		FT FT FT	FT FT 30.0 FT	EA.	LB LB 133.5 LB	EA. 2	LB 241.7 LB LB LB	EA.	EA.	LB

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	090124 tss int11 12.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 46		SHEET 104 OF 174	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 47

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
1.012 US 2 LT		1	18	18	2.25						1				X			1															OM1-1		
1.075 US 2 RT	R	1	24	24	4.00																												R8-3a		
	BEGIN	1	24	6	1.00						1					X		1															M4-11 BLACK ON WHITE		
1.095 US 2 LT	BURLINGTON 12	1	72	12	6.00																												D1-1a		E-123
	NORTH	1	24	12	2.00																												M3-1 WHITE ON BLUE		
	89	1	24	24	4.00																												M1-1		
		1	21	15	2.19						2									X													M6-2 WHITE ON BLUE		
1.125 US 2 RT	BANK & GROCERY ← R	1 1	30 24	36 24	7.50 4.00																												D4-2L BACK TO BACK R8-3a		
	1 – 800 – 685 – RIDE	1	36	9	2.25						1									X														151	
1.130 US 2 LT		1	36	36	9.00						2					X		2															W3-3		
1.150 US 2 LT	STOP	1	30	30	6.25						1					X		1															R1-1		
1.150 US 2 RT	R	1	24	24	4.00																												R8-3a		
	END	1	24	6	1.00						1					X		1															M4-12 BLACK ON WHITE		
1.162 US 2 LT	WEST TO EAST	1 1 1	24 24 24	12 12 12	2.00 2.00 2.00																												M3-4 BLACK ON WHITE M4-5 GREEN ON WHITE M3-2 BLACK ON WHITE		
	2 VERMONT 117 2	1 1 1	24 30 24	24 24 24	4.00 5.00 4.00																												M1-4 M1-5 M1-4		E-136B
	← ← →	1 1 1	21 21 21	15 15 15	2.19 2.19 2.19						2													2	X							#3B	M6-1 BLACK ON WHITE M6-1 GREEN ON WHITE M6-1 BLACK ON WHITE		
												FT	FT	FT	FT 9.5	FT 75.2	FT	EA.	LB 68.2	LB	LB		LB 185.5	LB	LB	LB									
SUBTOTALS SHEET 47		SF 81.01	SF	EA.	SF				FT			FT 84.7							LB 68.2			EA. 2	LB 185.5				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

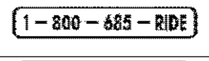
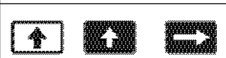
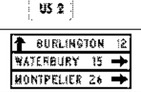
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 47

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 105 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 48

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
1.165 US 2 LT		1	30	36	7.50																												D4-2R		
		1	36	9	2.25						1										X													151	
1.175 US 2 RT		1	72	12	6.00						2					X		2															D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
1.210 US 2 RT		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-1 WHITE ON BLUE		
1.230 US 2 LT		1	24	12	2.00																												M3-4 BLACK ON WHITE		
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-4		
		1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19																												M6-3 BLACK ON WHITE		
		1	21	15	2.19																											#3	M6-3 WHITE ON BLUE		
		1	21	15	2.19																												M6-1 WHITE ON BLUE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE BACK TO BACK		
		1	24	24	4.00																												M1-1 BACK TO BACK		
		1	21	15	2.19						2										X												M6-1 WHITE ON BLUE BACK TO BACK		
1.245 US 2 RT		1	6	10	0.42						1				X			1															VD-701	153	
1.250 US 2 RT		1	24	12	2.00																												M3-2 BLACK ON WHITE		
		1	24	24	4.00						1					X		1															M1-4		
1.256 US 2 LT		1	6	10	0.42						1				X			1															VD-701	153	
1.280 US 2 LT		1	72	12	6.00						2										X												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
												FT	FT	FT	FT 16.4	FT 60.5	FT		EA.	LB 64.9	LB 65.8	LB		LB	LB	LB	LB								
SUBTOTALS SHEET 48		SF 87.54			SF		EA.		SF			FT			FT 76.9					LB 130.7			EA.		LB			EA.		EA.		LB			

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 48

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 106 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 49

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
1.290 US 2 RT	RICHMOND 2 BOLTON 8	1	72	12	6.00						2					X		2																D2-1		E-123
		1	72	12	6.00																													D2-1		E-123
1.320 US 2 LT	JCT	1	21	15	2.19																													M2-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00						1					X		1																M1-1		
INT#12 0.075 RAMP A RT		1	36	36	9.00						2					X		2																W3-3		
0.110 RAMP A RT	SOUTH NORTH	1	24	12	2.00																													M3-3 GREEN ON WHITE		
		1	24	12	2.00																													M3-1 GREEN ON WHITE		
	VERMONT 2A VERMONT 2A	1	24	24	4.00																													M1-5		E-136B
		1	24	24	4.00																													M1-5		E-136B
		1	21	15	2.19																												#2	M6-1 GREEN ON WHITE		
		1	21	15	2.19																													M6-1 GREEN ON WHITE		
	TO TO	1	24	12	2.00																													M4-5 GREEN ON WHITE		
		1	24	12	2.00																													M4-5 BLACK ON WHITE		
	VERMONT 116 2	1	30	24	5.00																													M1-5		E-136B
		1	24	24	4.00																													M1-4		
		1	21	15	2.19						2												2	X								#2A	M6-1 GREEN ON WHITE		
		1	21	15	2.19																													M6-1 BLACK ON WHITE		
0.145 RAMP A RT	HINESBURG 8 BRISTOL 25	1	72	12	6.00																													D1-1a		E-123
		1	72	12	6.00																													D1-1a		E-123
	AIRPORT 3 WILLISTON 3	1	72	12	6.00																													D1-1a		E-123
		1	72	12	6.00																													D1-1a		E-123
	ESSEX JCT 4	1	72	12	6.00						2												2	X									D1-1a		E-123
0.180 RAMP A LT	WRONG WAY	1	36	24	6.00																													R5-1a		
		1	24	24	4.00						2					X		2																R9-4a		
												FT	FT	FT	FT	FT 106.8	FT	EA.		LB	LB	LB		LB 435.6	LB	LB	LB								
	SUBTOTALS SHEET 49		SF 100.95	SF	EA.	SF						FT				FT 106.8					LB			EA. 4		LB 435.6			EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 49

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 50

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75	2.0	2.5 lb/ft 1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0	4.0	4.0Mod lb/ft 1.3	1.7	1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0	3.5	4.0	5.0 lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.180 RAMP A RT	SERVICES LODGING / WRONG WAY	1	72	10	5.00																																VD-502S		
		1	72	10	5.00																																VD-502L		
		1	36	24	6.00																																R5-1a BACK TO BACK		
	STATE POLICE	1	72	10	5.00						2					X		2																		VD-502SP		
0.215 RAMP A RT	ONLY / ONLY	1	36	30	7.50						2					X		2																		VR-925		E-145A
0.247 RAMP A LT	DO NOT ENTER	1	36	36	9.00																																R5-1		
	ONE WAY / ONE WAY	1	36	12	3.00						2					X		2																		R6-1L		
		1	36	12	3.00																																BACK TO BACK		
																																			R6-1R		
0.247 RAMP A RT	DO NOT ENTER	1	36	36	9.00																																R5-1		
	ONE WAY / ONE WAY	1	36	12	3.00						2					X		2																		R6-1L		
		1	36	12	3.00																																BACK TO BACK		
																																			R6-1R		
INT#12 0.040 RAMP B RT	PROGRESSIVE OPERATION TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00																																VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00						2																		2	X							VR-002		E-142
0.210 RAMP B RT		1	30	30	6.25						1					X		1																		R3-2		
INT#12 0.075 RAMP C RT		1	36	36	9.00						2					X		2																		W3-3		
0.110 RAMP C LT	ONLY / ONLY / ONLY	1	54	30	11.25						2					X		2																		VR-936		E-145B
0.110 RAMP C RT	ONLY / ONLY / ONLY	1	54	30	11.25						2					X		2																		VR-936		E-145B
0.112 RAMP C O/H		1	222	156		240.50																																		146	
		1	228	156		247.00																														OVERHEAD TRAFFIC SIGN SUPPORT - MULTI-SUPPORT		146	
0.135 RAMP C LT	WILLISTON 3 / ESSEX JCT 4	1	72	12	6.00						2					X		2																		D1-1a		E-123
		1	72	12	6.00																																D1-1a		E-123
												FT	FT	FT	FT	FT 253.9	FT		EA.		LB	LB	LB				LB 191.6	LB	LB	LB	LB								
SUBTOTALS SHEET 50		SF 126.25	SF 487.50	EA.	SF				FT			FT 253.9						LB			EA. 2		LB 191.6				EA.	EA.	LB										

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 50

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 108 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 51

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.135 RAMP C RT	HINESBURG 8 / BRISTOL 25	1	72	12	6.00						2					X		2															D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
0.160 RAMP C LT	WRONG WAY	1	36	24	6.00																												R5-1a		
		1	24	24	4.00						2					X		2															R9-4a		
0.160 RAMP C RT	SERVICES / LODGING / WRONG WAY	1	72	10	5.00																												VD-502S		
		1	72	10	5.00																												VD-502L		
		1	36	24	6.00																												R5-1a BACK TO BACK		
	STATE POLICE	1	72	10	5.00						2					X		2															VD-502SP		
0.187 RAMP C LT	DO NOT ENTER	1	36	36	9.00																												R5-1		
	ONE WAY / ONE WAY	1	36	12	3.00						2					X		2															R6-1L		
		1	36	12	3.00																												BACK TO BACK		
																																	R6-1R		
0.187 RAMP C RT	DO NOT ENTER	1	36	36	9.00																												R5-1		
	ONE WAY / ONE WAY	1	36	12	3.00						2					X		2															R6-1L		
		1	36	12	3.00																												BACK TO BACK		
																																	R6-1R		
INT#12 0.040 RAMP D RT	PROHIBITED TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00																												VR-046		E-142
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES	1	36	36	9.00						2									X													VR-002		E-142
0.160 RAMP D RT		1	30	30	6.25						1					X		1															R3-2		
INT#12 2.805 VT 2A RT	JCT	1	21	15	2.19																												M2-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-3 WHITE ON BLUE		
												FT	FT	FT	FT	FT 181.2	FT	EA.		LB 45.4	LB		LB	LB	LB	LB							
SUBTOTALS SHEET 51		SF 105.63	SF	EA.	SF							FT			FT 181.2					LB 45.4			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	090124 tss int11 12.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 51		SHEET	109 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 52

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
2.830 VT 2A RT	HURRICANE LN / HURRICANE LN						1 1																									BACK TO BACK		
	STOP	1	30	30	6.25						1					X		1															R1-1		
2.844 VT 2A LT	SPEED LIMIT 40	1	30	36	7.50																												R2-1		
	ONLY	1	30	30	6.25						2					X		2															VR-921		E-145A
2.847 VT 2A RT	SPEED LIMIT 35	1	30	36	7.50																												R2-1		
		1	30	30	6.25						2					X		2															VR-923		E-145A
2.875 VT 2A LT	HINESBURG 8 BRISTOL 25	1 1	72 72	12 12	6.00 6.00																												D2-1 D2-1		E-123 E-123
	SOUTH TO	1 1	24 24	12 12	2.00 2.00																												M3-3 GREEN ON WHITE M4-5 GREEN ON WHITE		
	VERMONT 2A / VERMONT 116	1 1	24 30	24 24	4.00 5.00						2												2	X								#1A	M1-5 M1-5		E-136B E-136B
2.875 VT 2A RT	BURLINGTON 6 MONTPELIER 32	1 1	72 72	12 12	6.00 6.00						2					X		2															D1-1a D1-1a		E-123 E-123
2.905 VT 2A RT	NORTH SOUTH	1 1	24 24	12 12	2.00 2.00																												M3-1 GREEN ON WHITE M3-3 GREEN ON WHITE		
	VERMONT 2A / VERMONT 2A	1 1	24 24	24 24	4.00 4.00																												M1-5 M1-5		E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																											#2	M6-1 GREEN ON WHITE M6-1 GREEN ON WHITE		
	TO TO	1 1	24 24	12 12	2.00 2.00																												M4-5 BLACK ON WHITE M4-5 GREEN ON WHITE		
	2 / VERMONT 116	1 1	24 30	24 24	4.00 5.00																												M1-4 M1-5		E-136B
		1 1	21 21	15 15	2.19 2.19						2												2	X								#2A	M6-1 BLACK ON WHITE M6-1 GREEN ON WHITE		
												FT	FT	FT	FT	FT 111.7	FT		EA.	LB	LB	LB		LB 435.6	LB	LB	LB								
SUBTOTALS SHEET 52		SF 104.51	SF		EA. 2	SF						FT			FT 111.7					LB			EA. 4	LB 435.6				EA.	EA.	LB					

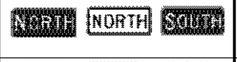
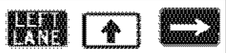
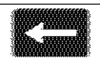
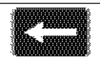
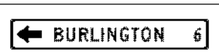
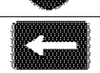
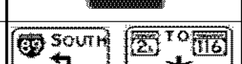
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	**090124 tss int11 12.xls**	PLOT DATE:	**10/27/2009**
PROJECT LEADER:	**CRB**	DRAWN BY:	**SRB**
DESIGNED BY:	**BDB**	CHECKED BY:	**DAM**
TRAFFIC SIGN SUMMARY SHEET # 52		SHEET **110** OF **174**	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 53

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
2.905 VT 2A RT		1	24	12	2.00																												M3-1 WHITE ON BLUE		
		1	24	12	2.00																												M3-1 GREEN ON WHITE		
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-5		E-136B
		1	24	24	4.00																												M1-1		
		1	21	15	2.19																													151	
		1	21	15	2.19						2												2	X								#3	M6-3 GREEN ON WHITE		
		1	21	15	2.19																												M6-1 WHITE ON BLUE		
2.905 VT 2A RT		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1																	
2.936 VT 2A RT		1	30	30	6.25						1					X		1															VR-923		E-145A
2.944 VT 2A LT		1	72	12	6.00																												D1-1a		E-123
		1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-1 WHITE ON BLUE		
2.965 VT 2A RT		1	72	12	6.00																												D1-1a		E-123
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						2									X													M6-1 WHITE ON BLUE		
2.975 VT 2A O/H		1	84	48		28.00																												146	
		1	90	48		30.00																											SALVAGE EXISTING OVERHEAD TRAFFIC SIGN SUPPORT - MULTI-SUPPORT	146	
												FT	FT	FT	FT	FT 45.4	FT		EA.	LB	LB 49.2	LB		LB 185.5	LB	LB	LB								
SUBTOTALS SHEET 53					SF 67.39	SF 58.00	EA.	SF				FT			FT	45.4				LB	49.2		EA. 2	LB 185.5				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

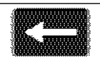
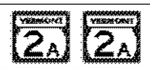
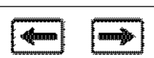
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 53

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 111 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 54

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN	FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
2.980 VT 2A LT		1	30	30	6.25						1					X		1																VR-921		E-145A
3.000 LT		1	24	12	2.00																													M3-1 WHITE ON BLUE		
		1	24	24	4.00																													M1-1		
		1	21	15	2.19						1					X		1																M6-1 WHITE ON BLUE		
3.000 VT 2A LT		1 1	24 24	12 12	2.00 2.00																													M3-3 GREEN ON WHITE M3-1 GREEN ON WHITE		
		1 1	24 24	24 24	4.00 4.00																													M1-5 M1-5		E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																												#2	M6-1 GREEN ON WHITE M6-1 GREEN ON WHITE		
		1 1	24 24	12 12	2.00 2.00																													M4-5 GREEN ON WHITE M4-5 BLACK ON WHITE		
		1 1	30 24	24 24	5.00 4.00																													M1-5 M1-4		E-136B
		1 1	21 21	15 15	2.19 2.19						2												2	X									#2A	M6-1 GREEN ON WHITE M6-1 BLACK ON WHITE		
3.000 VT 2A LT		1	24	12	2.00																													M3-1 WHITE ON BLUE		
		1	24	24	4.00																													M1-1		
		1	21	15	2.19						1					X		1																M6-1 WHITE ON BLUE		
3.020 VT 2A RT		1	30	36	7.50						1					X		1																R2-1		
3.025 VT 2A LT		1	30	30	6.25						1					X		1																VR-921		E-145A
												FT	FT	FT	FT	FT 74.7	FT	EA.	LB	LB	LB		LB 242.5	LB	LB	LB	EA.	EA.	LB						
	SUBTOTALS SHEET 54	SF 70.14	SF	EA.	SF		FT		FT 74.7		LB	EA. 2	LB 242.5		EA.	EA.	LB																	

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	**090124 tss int11 12.xls**	PLOT DATE:	**10/27/2009**
PROJECT LEADER:	**CRB**	DRAWN BY:	**SRB**
DESIGNED BY:	**BDB**	CHECKED BY:	**DAM**
TRAFFIC SIGN SUMMARY SHEET # 54		SHEET	**112** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 55

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
3.050 VT 2A RT	WILLISTON 3 / ESSEX JCT 4	1	72	12	6.00																												D2-1		E-123
		1	72	12	6.00																												D2-1		E-123
	NORTH TO	1	24	12	2.00																												M3-1 GREEN ON WHITE		
		1	24	12	2.00																												M4-5 BLACK ON WHITE		
	VERMONT 2A 2	1	24	24	4.00						2												2	X							#1	M1-5		E-136B
		1	24	24	4.00																												M1-4		
3.060 VT 2A LT	SOUTH NORTH	1	24	12	2.00																												M3-3 WHITE ON BLUE		
		1	24	12	2.00																												M3-1 WHITE ON BLUE		
	INTERSTATE 89 / INTERSTATE 89	1	24	24	4.00																												M1-1		
		1	24	24	4.00																												M1-1		
		1	21	15	2.19						2												2	X							#2	M6-3 WHITE ON BLUE		
		1	24	12	2.00																												M4-5 WHITE ON BLUE		
3.080 VT 2A RT	EMERGENCY VEHICLES	1	36	36	9.00						2					X		2															VW-544		E-154
3.085 VT 2A LT	MONTPELIER 32 / BURLINGTON 6	1	72	12	6.00						2					X		2															D1-1a		E-123
		1	72	12	6.00																												D1-1a		E-123
3.110 VT 2A LT	EXIT	1	30	30	6.25						1					X		1															VR-921		E-145A
3.160 VT 2A LT		1	36	36	9.00						2					X		2															W3-3		
3.200 VT 2A LT	JCT	1	21	15	2.19																												M2-1 WHITE ON BLUE		
	INTERSTATE 89	1	24	24	4.00						1					16.1		1															M1-1		
3.240 VT 2A LT	SPEED LIMIT 35	1	30	36	7.50						1					X		1															R2-1		
												FT	FT	FT	FT	FT 135.2	FT	EA.	LB	LB	LB		LB 370.2	LB	LB	LB								
SUBTOTALS SHEET 55		SF 90.13	SF	EA.	SF		FT		FT 135.2		LB	EA. 4	LB 370.2		EA.	EA.	LB																		

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int11 12.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 55

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 113 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 56

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
INT#13 0.200 RAMP A RT		1	30	30	6.25						1					X		1															R3-2		
INT#13 0.205 RAMP B RT		1	30	30	6.25						1					X		1															R3-2		
INT#13 0.034 - 0.183 LT RAMP C		10	24	30	50.00						10					X		10															W1-8 FLUORESCENT-YELLOW TYPE IX SHEETING		
0.200 RAMP C RT		1	30	30	6.25						1					X		1															R3-2		
0.230 RAMP C LT		1	12	36	3.00						1				X			1															OM-3L		
0.230 RAMP C RT		1	12	36	3.00						1				X			1															OM-3R		
INT#13 0.037 RAMP D RT		1	18	18	2.25						1				X			1															OM1-1		
0.040 RAMP D RT		1	30	30	6.25						2					X		2															W12-1 FLUORESCENT-YELLOW		
0.062 - 0.215 LT RAMP D		8	24	30	40.00						8					X		8															W1-8 FLUORESCENT-YELLOW TYPE IX SHEETING		
0.360 RAMP D RT		1	30	30	6.25						1					X		1															R3-2		
INT#13 0.030 RAMP E RT		1	36	36	9.00																												VR-046		E-142
		1	36	36	9.00						2												2	X								VR-002		E-142
0.060 RAMP E RT		1	36	36	9.00						2					X		2															W4-3		
												FT	FT	FT	FT 34.7	FT 380.0	FT		EA.	LB	LB	LB		LB 191.6	LB	LB	LB								
SUBTOTALS SHEET 56		SF 156.50	SF	EA.	SF							FT			FT 414.7					LB			EA. 2	LB 191.6				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 56

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 114 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 57

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS E A	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.070 RAMP E LT		1	12	36	3.00						1				X			1																OM-3L		
0.070 RAMP E RT		1	12	36	3.00						1				X			1																OM-3R		
0.135 RAMP E LT	ONE WAY	1	36	12	3.00						2					X		2																R6-1R		
INT#13 0.060 RAMP F RT		1	36	36	9.00						2					X		2																W3-3		
0.095 RAMP F RT	AIRPORT 2 / DORSET ST	1 1	72 72	12 12	6.00 6.00						2					X		2																D1-1a D1-1a		E-123 E-123
0.095 RAMP F LT	WRONG WAY	1	36	24	6.00						2					X		2																R5-1a		
0.128 RAMP F RT	ONLY ONLY WRONG WAY	1 1	60 36	30 24	12.50 6.00						2					X		2																VR-942 BACK TO BACK R5-1a		E-145A
0.157 RAMP F LT		1	24	30	5.00																													R4-7		
		1	18	18	2.25						1					X		1	1															OM1-1		
0.157 RAMP F RT	DO NOT ENTER	1	36	36	9.00																													R5-1		
	ONE WAY / ONE WAY	1 1	36 36	12 12	3.00 3.00						2					X		2																R6-1R BACK TO BACK R6-1L		
I-189 WB 0.020 WB		1 1	30 30	30 30	6.25 6.25																													R3-1 BACK TO BACK R5-1		
	ONE WAY / ONE WAY	1 1	36 36	12 12	3.00 3.00						1					X		1	1															R6-1R BACK TO BACK R6-1L		
0.020 WB MED		1 1	30 30	30 30	6.25 6.25																													R3-1 BACK TO BACK R5-1		
	ONE WAY / ONE WAY	1 1	36 36	12 12	3.00 3.00						1					X		1																R6-1R BACK TO BACK R6-1L		
												FT	FT	FT	FT 25.2	FT 209.3	FT	EA. 2		LB	LB	LB		LB	LB	LB	LB								
SUBTOTALS SHEET 57		SF 113.75			SF	EA.	SF					FT			FT 234.5					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

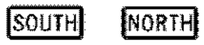
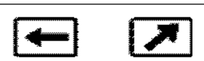
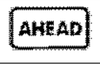
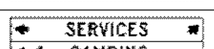
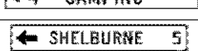
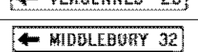
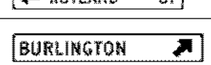
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 57

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 58

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN	FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.025 WB		1			3.90						1					X		1																R1-2 36"X36"X36"		
0.025 WB		1	36	36	9.00																													W11-2		
		1	30	18	3.75						2					X		2																W16-7p		
0.028 WB		1 1	24 24	12 12	2.00 2.00																													M3-3 BLACK ON WHITE M3-1 BLACK ON WHITE		
		1 1	24 24	24 24	4.00 4.00																													M1-4 M1-4		
		1 1	21 21	15 15	2.19 2.19						2												2	X								#2		M6-1 BLACK ON WHITE M6-2 BLACK ON WHITE		
0.030 WB		1	18	18	2.25						1				X			1	1															OM1-1		
0.075 WB		1	54	30	11.25						2					X		2																R3-8A		
0.075 WB MED		1	54	30	11.25						2					X		2																R3-8A		
0.115 WB		1	36	36	9.00																													W11-2		
		1	30	12	2.50						2					X		2																R3-17a		
0.155 WB		1 1	72 72	10 10	5.00 5.00						2					X		2																VD-502S VD-502C		
0.155 WB MED		1 1	72 72	10 10	5.00 5.00						2					X		2																VD-502S VD-502C		
0.195 WB		1 1	72 72	12 12	6.00 6.00																													D1-1a D1-1a		E-123 E-123
		1 1	72 72	12 12	6.00 6.00																													D1-1a D1-1a		E-123 E-123
		1	72	12	6.00						2												2	X										D1-1		E-123

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

									FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB		LB	LB	LB	LB											
												9.5	187.6			1					370.2														
SUBTOTALS SHEET 58	SF	SF	EA.	SF		FT			FT				197.1				LB			EA.	LB				EA.	EA.	LB								
	119.28																			4																

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 58

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 116 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 59

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
											NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE					
												1.12	2.0	3.0	lb/ft					lb/ft				lb/ft				24"	30"						
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
0.195 WB MED	SHELBURNE 5 / VERGENNES 20	1	72	12	6.00																											D1-1a		E-123
		1	72	12	6.00																											D1-1a		E-123
	MIDDLEBURY 32 / RUTLAND 67	1	72	12	6.00																											D1-1a		E-123
		1	72	12	6.00																											D1-1a		E-123
	BURLINGTON	1	72	12	6.00						2												2	X								D1-1		E-123
0.247 WB		1	36	36	9.00																											W3-3 POLE MOUNTED		
0.247 WB MED		1	36	36	9.00																											W3-3 POLE MOUNTED		
0.247 WB O/H	7 South Shelburne Rutland 4 4 / 7 North Burlington	1	168	150		175.00																										OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	147	
		1	168	132		154.00																											147	
0.398 WB	ROAD FINDER 2000 FT	1	48	48	16.00				2																							FLASHING BEACONS RETAINED	151	
0.398 WB MED	ROAD FINDER 2000 FT	1	48	48	16.00						2												2	X									151	
0.520 WB MED		1	36	36	9.00						2					X		2														R3-4		
0.679 WB	TRAFFIC STOPPED AHEAD	1	48	48	16.00																											FLASHING BEACONS RETAINED	151	
	WHEN FLASHING	1	48	24	8.00				2																								151	
0.679 WB MED	TRAFFIC STOPPED AHEAD	1	48	48	16.00																											FLASHING BEACONS RETAINED	151	
	WHEN FLASHING	1	48	24	8.00				2																								151	
0.770 WB	Vergennes Middlebury USE 7 SOUTH	1	180	114		142.50																											147	
		1	30	30	6.25						2																	2		692	W8X18		D9-3a Fuse-Plate Bolt Tension 23.2 kips		E-132
0.860 WB	SPEED LIMIT 55	1	48	60	20.00																											R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X									E-142
												FT	FT	FT	FT	FT 32.6	FT		EA.	LB	LB	LB		LB 405.9	LB 315.0	LB	LB								
SUBTOTALS SHEET 59		SF			SF 179.25	SF 471.50	EA.	SF				FT			FT	32.6				LB			EA. 6	LB	720.9			EA. 2	EA.	LB 692					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 59

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 117 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 60

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE				
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
0.960 WB		1	48	48	16.00																											VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X								VP-396	151	
1.000 WB	MILE 1	1	12	24	2.00						1				X			1														D10-1		E-139
1.040 WB O/H	I-89 NORTH Burlington SOUTH Shelburne Rutland	1 1 1	150 168 168	96 138 114		100.00 161.00 133.00																										OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	148 148 148	
1.080 WB	WEST	1	30	15	3.13																											M3-4 WHITE ON BLUE		
	I-189 189	1	45	36	11.25						1												1	X								M1-1		
1.180 WB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2									X												R8-7		
1.215 WB MED	ONE WAY	1	36	12	3.00						2					X		2														R6-1R		
1.320 WB		1	48	48	16.00						2												2	X								W4-1R		
I-189 EB 0.040 EB		1	48	48	16.00						2												2	X								W4-1R		
0.140 EB MED	ONE WAY	1	36	12	3.00						2					X		2														R6-1R		
0.400 EB	EMERGENCY STOPPING ONLY	1	48	36	12.00						2												2	X								R8-7		
0.500 EB	EAST	1	30	15	3.13																											M3-2 WHITE ON BLUE		
	I-189 189	1	45	36	11.25						1												1	X								M1-1		
0.515 EB MED		1	36	36	9.00						2					X		2														R3-4		
0.600 EB	I-89 ENDS 3/4 MILE	1	150	96		100.00					2																	2		378	W6X12		Fuse-Plate Bolt Tension 12.8 kips	148	
												FT	FT	FT	FT 9.5	FT 88.9	FT	EA.		LB 47.0	LB	LB		LB 1000.2	LB	LB	LB							
SUBTOTALS SHEET 60		SF 120.76			SF 494.00	EA.	SF				FT				FT 98.4					LB 47.0			EA. 10	LB 1000.2				EA. 2	EA.	LB 378				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 60

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 118 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 61

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME			
															lb/ft					lb/ft				lb/ft											
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"						
0.700 EB		1	48	48	16.00																												VW-397	151	
	GROOVED SHOULDER	1	24	18	3.00						2												2	X									VP-396	151	
0.800 EB	SPEED LIMIT 55	1	48	60	20.00																												R2-1		
	MINIMUM 40	1	48	48	16.00						2												2		X								VR-141		E-142
0.810 EB O/H	North Winooski St. Albans / Dorset St Airport / South Williston Montpelier	1 1 1	168 156 174	150 90 150		175.00 97.50 181.25																											OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	148 148 148	
1.000 EB	MILE 1	1	12	24	2.00						1				X			1															D10-1		E-139
1.220 EB	RAMP 40 MPH	1	48	60	20.00						2												2	X									W13-3 FLUORESCENT-YELLOW SHEETING		
1.220 EB MED	RAMP 40 MPH	1	48	60	20.00						2										X												W13-3 FLUORESCENT-YELLOW SHEETING		
1.288 EB O/H	North Winooski St. Albans / Dorset St Airport / South Williston Montpelier	1 1 1	168 162 216	156 96 132		182.00 108.00 198.00																											OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	149 149 149	
1.320 EB		1	18	18	2.25						1				X			1															OM1-1		
1.438 EB O/H	North Winooski St. Albans / Dorset St Airport	1 1	216 162	120 96		180.00 108.00																											BRIDGE MOUNTED	149 149	
INT. I-189 / US 7 0.027 RAMP N-E LT		1	18	18	2.25						1				X			1																OM1-1		
0.030 RAMP N-E LT	EAST	1	24	12	2.00																												M3-2 WHITE ON BLUE		
	I-189	1	30	24	5.00																												M1-1		
		1	21	15	2.19						1					X		1															M6-2 WHITE ON BLUE		
												FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB		LB	LB	LB	LB								
															28.5	14.5					68.2				425.6	315.0									
SUBTOTALS SHEET 61		SF 110.69			SF 1229.75		EA.	SF				FT			FT 43.0					LB 68.2			EA. 6	LB 740.6				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 61

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 62

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
0.030 RAMP N-E LT		1	36	36	9.00																								W11-2		
		1	30	18	3.75						2					X		2												W16-7p		
0.030 RAMP N-E RT		1	36	36	9.00																								W11-2		
		1	30	18	3.75						2					X		2												W16-7p		
0.050 RAMP N-E LT		1	36	36	9.00						2					X		2												W4-2R		
0.050 RAMP N-E RT		1	36	36	9.00						2					X		2												W4-2R		
0.080 RAMP N-E RT		1	36	36	9.00																								VR-046		E-142
		1	36	36	9.00						2												2	X					VR-002		E-142
0.160 RAMP N-E RT		1	30	30	6.25						1					X		1												R3-2		
INT. I-189 / US 7 0.013 RAMP S-E RT		1	24	30	5.00						1					X		1												W13-3		
0.027 RAMP S-E LT		1	18	18	2.25						1				X			1												OM1-1		
0.030 RAMP S-E LT		1	24	12	2.00																								M3-2 WHITE ON BLUE		
		1	30	24	5.00																								M1-1		
		1	21	15	2.19						1					X		1												M6-2 WHITE ON BLUE		
0.039 RAMP S-E LT		1	36	36	9.00																								W11-2		
		1	30	18	3.75						2					X		2												W16-7p		
												FT	FT	FT	FT 9.5	FT 193.5	FT	EA.		LB	LB	LB		LB 191.6	LB	LB	LB								
SUBTOTALS SHEET 62		SF 96.94	SF	EA.	SF							FT			FT 203.0					LB			EA. 2	LB 191.6				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int13 15.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **SRB**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 62 SHEET **120** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 63

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE					
0.039 RAMP S-E RT		1	36	36	9.00																											W11-2		
		1	30	18	3.75						2					X		2														W16-7p		
0.050 - 0.125 LT RAMP S-E		6	18	24	18.00						6					X		6														W1-8 USE FLUORESCENT YELLOW TYPE IX SHEETING		
INT #14 0.010 RAMP A O/H		1 1 1	210 168 216	126 138 90		183.75 161.00 135.00																										OVERHEAD TRAFFIC SIGN SUPPORT - MULTI-SUPPORT	150 150 150	
0.032 RAMP A LT		1	18	18	2.25						1				X			1														OM1-1		
0.035 RAMP A RT		1	36	36	9.00																											W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																											W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2												2	X								W16-7 FLUORESCENT-YELLOW SHEETING		
0.065 RAMP A RT							1																												
							1				2												2	X											
0.250 RAMP A RT		1	30	30	6.25						1					X		1														R3-2		
INT #14 0.090 - 0.225 LT RAMP B		10	24	30	50.00						10					X		10														W1-8 USE YELLOW COLORED TYPE IX SHEETING		
0.155 RAMP B RT		1	36	36	9.00																											W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																											W11-1 FLUORESCENT-YELLOW SHEETING		
	AHEAD	1	30	12	2.50						2												2	X								R3-17a FLUORESCENT-YELLOW SHEETING		
												FT	FT	FT	FT 9.5	FT 261.3	FT	EA.		LB	LB	LB		LB 620.4	LB	LB	LB								
SUBTOTALS SHEET 63		SF 131.50			SF 479.75		EA. 2	SF			FT				FT 270.8					LB			EA. 6		LB 620.4				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int13 15.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **SRB**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 63 SHEET **121** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 64

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																					REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	24"	30"	WEIGHT	POST SIZE					
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
0.190 RAMP B RT							1				2					X		2																	
0.224 RAMP B RT		1	36	36	9.00																											W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																											W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2									X												W16-7 FLUORESCENT-YELLOW SHEETING		
INT #14 0.020 RAMP D LT		1	18	18	2.25						1				X			1															OM1-1		
0.020 RAMP D RT		1	36	36	9.00																											W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																											W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2									X												W16-7 FLUORESCENT-YELLOW SHEETING		
0.035 RAMP D LT		1	36	36	9.00																											W1-11		
	20 M.P.H.	1	24	24	4.00						2					X		2															W13-1		
0.040 - 0.150 LT RAMP D		10	18	24	30.00						10					X		10															W1-8 USE YELLOW COLORED TYPE IX SHEETING		
0.050 RAMP D RT							1																												
	TURN SIGNAL REQUIRED BEFORE CHANGING LANES						1				2												2	X											
SUBTOTALS SHEET 64		SF 88.75	SF	EA. 3	SF							FT	FT	FT	FT 9.5	FT 194.1	FT	EA.		LB 98.6	LB	LB		LB 191.6	LB	LB	LB	EA.	EA.	LB					
																203.6																			

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 64

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 122 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 65

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE				SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75 1.88	2.0 2.42	2.5 3.35			3.0 1.3	4.0 1.7	4.0Mod 1.7	FND-ATION	3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	24"	30"	WEIGHT	POST SIZE				
INT #14 0.030 RAMP E RT		1	36	36	9.00																										W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																										W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2									X											W16-7 FLUORESCENT-YELLOW SHEETING		
0.031 RAMP E LT		1	18	18	2.25						1				X			1													OM1-1		
0.050 RAMP E LT		1	36	36	9.00																										W1-11		
	20 M.P.H.	1	24	24	4.00						2					X		2													W13-1		
0.060 RAMP E RT	PROGRESSIVE STOP WHEN FLASHING						1																										
	TERM SIGNAL REQUIRED BEFORE CHANGING LANES						1				2												2	X									
INT #14 0.100 RAMP G RT		1	36	36	9.00																										W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																										W11-1 FLUORESCENT-YELLOW SHEETING		
	AHEAD	1	30	12	2.50						2												2	X							R3-17a FLUORESCENT-YELLOW SHEETING		
0.140 RAMP G RT							1				2					X		2															
0.188 RAMP G RT		1	36	36	9.00																										W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																										W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2									X											W16-7 FLUORESCENT-YELLOW SHEETING		
												FT	FT	FT	FT 9.5	FT 60.4	FT		EA.	LB 98.6	LB	LB		LB 406.0	LB	LB	LB							
SUBTOTALS SHEET 65		SF 79.25	SF	EA. 3	SF				FT			FT 69.9								LB 98.6			EA. 4	LB 406.0				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

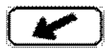
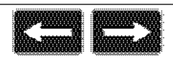
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: 090124 tss int13 15.xls
PROJECT LEADER: CRB
DESIGNED BY: BDB
TRAFFIC SIGN SUMMARY SHEET # 65

PLOT DATE: 10/27/2009
DRAWN BY: SRB
CHECKED BY: DAM
SHEET 123 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 66

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
												FLANGED CHANNEL			SQUARE STEEL (in)					TUBULAR ALUMINUM DIA (in)			TUBULAR STEEL DIA (in)					W-SHAPE STEEL							
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	lb/ft			1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0Mod	FND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															lb/ft					lb/ft				lb/ft											
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"							
INT #14 0.020 RAMP H RT		1	36	36	9.00																												W11-2 FLUORESCENT-YELLOW SHEETING		
		1	36	36	9.00																												W11-1 FLUORESCENT-YELLOW SHEETING		
		1	30	18	3.75						2									X													W16-7 FLUORESCENT-YELLOW SHEETING		
0.024 RAMP H LT		1	18	18	2.25						1				X			1															OM1-1		
0.050 RAMP H RT							1																													
							1				2												2	X											
INT #15 0.025 RAMP A LT		1 1	24 24	12 12	2.00 2.00																												M3-3 WHITE ON BLUE BACK TO BACK M3-3 WHITE ON BLUE		
		1 1	24 24	24 24	4.00 4.00																												M1-1 BACK TO BACK M1-1		
		1 1	21 21	15 15	2.19 2.19						1				X			1															M6-1 WHITE ON BLUE BACK TO BACK M6-1 WHITE ON BLUE		
0.120 RAMP A RT		1	30	30	6.25						1				X			1															R3-2		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".												FT	FT	FT	FT	FT	FT	EA.		LB	LB	LB		LB	LB	LB	LB								
															9.5	30.7				49.3				191.6											
SHEET TOTALS		SF 46.63	SF	EA. 2	SF							FT			FT 40.2					LB 49.3			EA. 2	LB 191.6				EA.	EA.	LB					

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME: **090124 tss int13 15.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **SRB**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 66 SHEET **124** OF **174**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 67

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
PARKING AREA WATERBURY-NB MM 65.735																																			
0.020 LT	TRUCKS BUSES / DO NOT ENTER	1 1	24 30	30 30	5.00 6.25																												VD-239L BACK TO BACK R5-1		
	WRONG WAY	1	36	24	6.00						2					X		2														R5-1a		
0.020 RT	CARS / DO NOT ENTER	1 1	24 30	24 30	4.00 6.25																												VD-10R BACK TO BACK R5-1		
	WRONG WAY	1	36	24	6.00						2					X		2														R5-1a		
0.036 RT	PROHIBITED	1	30	24	5.00						1					X		1														VR-032		E-144
0.053 RT	ALL DOGS MUST BE ON LEASH	1	24	24	4.00						1									X												VR-648		E-144
0.061 RT	RESERVED PARKING	1	12	18	1.50						1																							152	
	VAN ACCESSIBLE	1	12	6	0.50						1					X		1														R7-8b		
0.069 RT	RESERVED PARKING	1	12	18	1.50						1					X		1																152	
0.090 RT	SAFETY BELTS REQUIRED	1	24	30	5.00						1					X		1														VR-602		
0.110 RT		1	30	30	6.25						1					X		1														R3-2		
PARKING AREA WATERBURY-SB MM 66.930																																			
0.029 LT	TRUCKS BUSES / WRONG WAY	1 1	24 36	30 24	5.00 6.00						2					X		2														VD-239L BACK TO BACK R5-1a	152	
0.029 RT	CARS / WRONG WAY	1 1	24 36	24 24	4.00 6.00						2					X		2														VD-10R BACK TO BACK R5-1a	152	
0.040 LT	DO NOT ENTER	1	30	30	6.25						1					X		1														R5-1		
												FT	FT	FT	FT	FT 176.0	FT	EA.	LB	LB 15.6	LB		LB	LB	LB	LB								
SUBTOTALS SHEET 67			SF 84.50	SF	EA.	SF						FT				FT 176.0				LB 15.6		EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	090124 tss restareas.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 67		SHEET	125 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 68

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	(in) 2.0 lb/ft 2.42	(in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0Mod lb/ft 1.7	TUBULAR STEEL DIA (in) FND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.040 RT		1	30	30	6.25						1					X		1																R5-1		
0.050 RT		1	30	24	5.00						1							1																VR-032		E-144
		1	24	24	4.00						1					X		1																VR-648		E-144
0.090 RT		1	24	30	5.00						1					X		1																VR-602		
0.120 RT		1	30	30	6.25						1					X		1																R3-2		
REST AREA WILLISTON - NB MM 82.140																																				
0.043 RAMP A LT		1	36	24	6.00						2					X		2																R5-1a		
0.043 RAMP A RT		1	36	24	6.00						2					X		2																R5-1a		
0.052 RAMP A LT		1	18	18	2.25						1				X			1																OM1-1		
0.054 RAMP A LT		1	24	24	4.00																													VD-10L	152	
		1	24	30	5.00						1					X		1																VD-239R	152	
0.078 RAMP A RT		1	30	24	5.00						1					X		1																VR-032		E-144
0.078 RAMP A LT		1	30	30	6.25						1					X		1																R5-1		
0.078 RAMP A RT		1	30	30	6.25						1					X		1																R5-1		
0.102 RAMP A LT		1	24	24	4.00						1										X												VR-648		E-144
0.212 RAMP A RT		1	30	30	6.25						1					X		1																R3-2		
												FT	FT	FT	FT 9.5	FT 162.5	FT		EA.	LB 15.6	LB	LB		LB	LB	LB	LB								
SUBTOTALS SHEET 68			SF 77.50	SF	EA.	SF						FT			FT 172.0					LB 15.6			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	090124 tss restareas.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 68		SHEET	126 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 69

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN	FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.226 RAMP A RT	SAFETY BELTS REQUIRED	1	24	30	5.00						1					X		1																VR-602		
0.234 RAMP A RT	ONE WAY	1	36	12	3.00						2					X		2																R6-1L		
0.240 RAMP A RT	VIETNAM VETERANS MEMORIAL HIGHWAY						1				2					X		2																		
0.023 RAMP B LT	DO NOT ENTER	1	30	30	6.25						1					X		1																R5-1		
0.023 RAMP B RT	DO NOT ENTER	1	30	30	6.25						1					X		1																R5-1		
0.023 RAMP B RT	PROHIBITED	1	30	24	5.00						1					X		1																VR-032		E-144
0.042 RAMP B RT	ALL DOGS MUST BE ON LEASH	1	24	24	4.00																												VR-648		E-144
	PLEASE CLEAN UP AFTER YOUR PETS						1				1									X															
0.079 RAMP B RT	ALL DOGS MUST BE ON LEASH	1	24	24	4.00																												VR-648		E-144
	PLEASE CLEAN UP AFTER YOUR PETS						1				1									X															
0.112 RAMP B LT	DO NOT ENTER	1	30	30	6.25						1					X		1																R5-1		
0.112 RAMP B RT	YIELD / DO NOT ENTER	1 1	 30	 30	3.90 6.25						1					X		1																R1-2 36" X 36" X 36" BACK TO BACK R5-1		
0.115 RAMP B LT	ONE WAY	1	36	12	3.00						2					X		2																R6-1R		

							FT	FT	FT	FT	FT 150.9	FT	EA.	LB	LB 36.4	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB
SUBTOTALS SHEET 69	SF 52.90	SF	EA. 3	SF			FT			FT 150.9			LB 36.4		EA.	LB				EA.	EA.	LB

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	**090124 tss restareas.xls**	PLOT DATE:	**10/27/2009**
PROJECT LEADER:	**CRB**	DRAWN BY:	**SRB**
DESIGNED BY:	**BDB**	CHECKED BY:	**DAM**
TRAFFIC SIGN SUMMARY SHEET # 69		SHEET **127** OF **174**	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 70

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (in) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft			TUBULAR STEEL DIA (in) lb/ft					W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7	FND-ATION	7.6	9.0	10.8	14.6	24"	30"						
REST AREA WILLISTON - SB MM 82.140																																		
0.025 RAMP A LT	WRONG WAY	1	36	24	6.00						2					X		2															R5-1a		
0.025 RAMP A RT	WRONG WAY	1	36	24	6.00						2					X		2															R5-1a		
0.033 RAMP A LT		1	18	18	2.25						1				X			1															OM1-1		
0.034 RAMP A LT	CARS	1	24	24	4.00																												VD-10L	152	
	TRUCKS BUSES	1	24	30	5.00						1					X		1															VD-239R	152	
0.050 RAMP A RT	PROHIBITED	1	30	24	5.00						1					X		1															VR-032		E-144
0.050 RAMP A LT	DO NOT ENTER	1	30	30	6.25						1					X		1															R5-1		
0.050 RAMP A RT	DO NOT ENTER	1	30	30	6.25						1					X		1															R5-1		
0.083 RAMP A RT	ALL DOGS MUST BE ON LEASH	1	24	24	4.00						1									X													VR-648		E-144
0.121 RAMP A LT	ALL DOGS MUST BE ON LEASH	1	24	24	4.00						1									X													VR-648		E-144
0.178 RAMP A RT		1	30	30	6.25						1					X		1															R3-2		
0.190 RAMP A RT	SAFETY BELTS REQUIRED	1	24	30	5.00						1					X		1															VR-602		
0.192 RAMP A RT	ONE WAY	1	36	12	3.00						2					X		2															R6-1L		
0.202 RAMP A RT	VIETNAM VETERANS MEMORIAL HIGHWAY						1				2					X		2																	
												FT	FT	FT	FT 10.5	FT 174.7	FT	EA.		LB 31.2	LB	LB		LB	LB	LB	LB							
SUBTOTALS SHEET 70		SF 63.00	SF	EA. 1	SF							FT			FT 185.2					LB 31.2			EA.	LB				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss restareas.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 70		SHEET	128 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 71

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) lb/ft 3.0 1.3	4.0 1.7	4.0Mod 1.7	TUBULAR STEEL DIA (in) FND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
0.025 RAMP B RT		1	30	24	5.00						1					X		1															VR-032		E-144
0.026 RAMP B LT		1	30	30	6.25						1					X		1															R5-1		
0.026 RAMP B RT		1	30	30	6.25						1					X		1															R5-1		
0.051 RAMP B RT		1	24	24	4.00																												VR-648		E-144
							1				1									X															
0.084 RAMP B RT		1	24	24	4.00																												VR-648		E-144
							1				1									X															
0.118 RAMP B LT		1	30	30	6.25						1					X		1															R5-1		
0.118 RAMP B RT		1 1	 30	 30	3.90 6.25						1					X		1															R1-2 36"X36"X36" BACK TO BACK R5-1		
0.121 RAMP B LT		1	36	12	3.00						2					X		2															R6-1R		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE".												FT	FT	FT	FT	FT 87.2	FT		EA.	LB 36.4	LB	LB		LB	LB	LB	LB								
	SHEET TOTALS	SF 44.90	SF		EA. 2	SF			FT			FT 87.2			LB 36.4			EA.	LB				EA.	EA.	LB									

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME:	090124 tss restareas.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 71		SHEET 129 OF 174	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 72

MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																						REMARKS	SIGN DETAIL	
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM DIA (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM DIA (in) 4.0Mod lb/ft 1.7	FND-ATION	TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6	TUBULAR STEEL DIA (in) 3.5 lb/ft 9.0	TUBULAR STEEL DIA (in) 4.0 lb/ft 10.8	TUBULAR STEEL DIA (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN	FRAME		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
	SUBTOTALS SHEET 1				110.61	717.00	0	0.00					0.0		596.1					0.0		4		421.8			8	0	3029					
	SUBTOTALS SHEET 2				144.13	0.00	0	0.00					0.0		123.3					169.1		5		611.4			0	0	0					
	SUBTOTALS SHEET 3				77.00	310.00	0	0.00					0.0		93.7					121.2		12		1570.0			2	0	428					
	SUBTOTALS SHEET 4				120.75	85.00	0	0.00					0.0		201.5					49.6		8		1181.9			0	0	0					
	SUBTOTALS SHEET 5				123.00	0.00	0	0.00					0.0		163.4					191.1		2		205.2			0	0	0					
	SUBTOTALS SHEET 6				125.00	0.00	0	0.00					0.0		180.3					0.0		8		851.2			0	0	0					
	SUBTOTALS SHEET 7				119.25	741.25	0	0.00					0.0		88.7					0.0		6		832.7			8	0	3404					
	SUBTOTALS SHEET 8				117.57	30.00	0	0.00					0.0		140.5					69.9		9		889.2			0	0	0					
	SUBTOTALS SHEET 9				147.25	270.25	0	0.00					0.0		134.2					157.7		6		755.8			4	0	1171					
	SUBTOTALS SHEET 10				122.75	892.50	0	0.00					0.0		82.0					0.0		6		623.2			10	0	3868					
	SUBTOTALS SHEET 11				144.38	55.50	0	0.00					0.0		94.7					119.5		11		1192.1			0	0	0					
	SUBTOTALS SHEET 12				179.00	681.50	0	0.00					0.0		71.1					0.0		12		1506.5			5	2	3508					
	SUBTOTALS SHEET 13				144.13	516.75	0	0.00					0.0		65.2					0.0		9		1052.2			5	0	2451					
	SUBTOTALS SHEET 14				184.75	772.50	0	0.00					0.0		64.3					0.0		12		1246.4			4	0	1061					
	SUBTOTALS SHEET 15				164.57	632.00	0	0.00					0.0		35.8					119.5		3		431.3			8	0	3304					
	SUBTOTALS SHEET 16				52.25	166.75	0	0.00					0.0		149.1					0.0		0		0.0			2	0	939					
	SUBTOTALS SHEET 17				167.73	27.00	0	0.00					0.0		342.9					190.2		7		840.2			0	0	0					
	SUBTOTALS SHEET 18				115.87	321.00	0	0.00					0.0		236.9					217.0		2		182.4			4	0	1793					
	SUBTOTALS SHEET 19				107.00	436.50	0	0.00					0.0		117.0					71.6		2		205.2			6	0	2332					
	SUBTOTALS SHEET 20				74.75	283.00	0	0.00					0.0		178.3					49.6		8		1247.4			4	0	833					
	SUBTOTALS SHEET 21				110.00	0.00	0	0.00					0.0		176.0					69.9		4		425.6			0	0	0					
	SUBTOTALS SHEET 22				142.00	0.00	0	0.00					0.0		167.5					0.0		10		1071.6			0	0	0					
	SUBTOTALS SHEET 23				174.13	28.50	0	0.00					0.0		35.7					262.7		9		1019.6			0	0	0					
	SUBTOTALS SHEET 24				103.69	349.50	0	0.00					0.0		191.6					68.2		4		387.6			4	0	1714					
	SUBTOTALS SHEET 25				136.00	344.25	0	0.00					0.0		112.3					0.0		8		836.0			4	0	1790					
	SUBTOTALS SHEET 26				120.50	144.25	0	0.00					0.0		123.5					69.9		8		843.6			2	0	407					
	SUBTOTALS SHEET 27				116.13	168.25	0	0.00					0.0		106.2					0.0		9		1012.0			2	0	733					
	SUBTOTALS SHEET 28				96.50	581.00	0	0.00					0.0		111.1					0.0		6		898.9			2	2	2482					
	SUBTOTALS SHEET 29				160.13	232.50	0	0.00					0.0		46.6					0.0		13		1491.5			2	0	813					
	SUBTOTALS SHEET 30				142.25	658.50	0	0.00					0.0		63.6					49.6		10		1492.4			3	0	1901					
	SUBTOTALS SHEET 31				158.13	473.25	0	0.00					0.0		54.8					68.2		7		729.6			2	0	540					
	SUBTOTALS SHEET 32				172.07	360.00	0	0.00					0.0		66.4					0.0		11		1361.9			4	0	1469					
	SUBTOTALS SHEET 33				63.00	28.50	0	0.00					0.0		133.7					0.0		4		477.7			0	0	0					
	SUBTOTALS SHEET 34				124.07	0.00	0	0.00					0.0		140.3					195.5		0		0.0			0	0	0					
	SUBTOTALS SHEET 35				146.25	0.00	0	0.00					0.0		268.7					45.4		2		191.6			0	0	0					
	SUBTOTALS SHEET 36				103.57	0.00	0	0.00					0.0		92.3					45.4		2		365.1			0	0	0					
	SUBTOTALS SHEET 37				129.82	0.00	0	0.00					0.0		98.9					69.6		4		369.5			0	0	0					
	SUBTOTALS SHEET 38				140.52	0.00	0	0.00					0.0		112.6					132.7		2		386.7			0	0	0					
	SUBTOTALS SHEET 39				78.69	0.00	0	0.00					0.0		179.4					0.0		0		0.0			0	0	0					
	SUBTOTALS SHEET 40				67.76	0.00	0	0.00					0.0		70.5					142.2		0		0.0			0	0	0					
	SUBTOTALS SHEET 41				85.26	0.00	0	0.00					0.0		88.8					0.0		4		378.6			0	0	0					
	SUBTOTALS SHEET 42				90.20	0.00	0	0.00					0.0		86.9					0.0		4		435.6			0	0	0					
	SUBTOTALS SHEET 43				133.82	0.00	0	0.00					0.0		87.4					85.1		4		369.5			0	0	0					
	SUBTOTALS SHEET 44				131.62	0.00	0	0.00					0.0		224.5					113.1		2		0.0			0	0	0					
	SUBTOTALS SHEET 45				115.76	0.00	0	0.00					0.0		100.7					65.8		2		188.5			0	0	0					
	SUBTOTALS SHEET 46				111.90	0.00	0	0.00					0.0		30.0					133.5		2		241.7			0	0	0					
	SUBTOTALS SHEET 47				81.01	0.00	0	0.00					0.0		84.7					68.2		2		185.5			0	0	0					
	SUBTOTALS SHEET 48				87.54	0.00	0	0.00					0.0		76.9					130.7		0		0.0			0	0	0					
	SUBTOTALS SHEET 49				100.95	0.00	0	0.00					0.0		106.8					0.0		4		435.6			0	0	0					
												FT	FT	FT	FT	FT	FT		EA.	LB	LB			LB	LB	LB	LB								
	SUBTOTALS SHEET 72				SF 5965.01	SF 10307.00	EA. 0	SF 0.00				FT 0.0			FT 6,397.4					LB 3341.7		EA. 269		LB 31442.0			EA. 95	EA. 4	LB 39970					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

FILE NAME:	090124 tss totals.xls	PLOT DATE:	10/27/2009
PROJECT LEADER:	CRB	DRAWN BY:	SRB
DESIGNED BY:	BDB	CHECKED BY:	DAM
TRAFFIC SIGN SUMMARY SHEET # 72		SHEET	130 OF 174

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 73

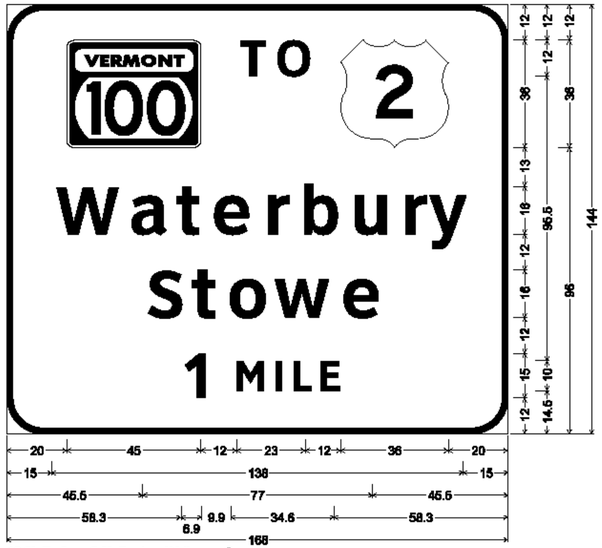
MILE MARKER, STATION OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				SIGN DETAIL	
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM DIA (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM DIA (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM DIA (in) 4.0Mod lb/ft 1.7	FND-ATION	TUBULAR STEEL DIA (in) 3.0 lb/ft 7.6	TUBULAR STEEL DIA (in) 3.5 lb/ft 9.0	TUBULAR STEEL DIA (in) 4.0 lb/ft 10.8	TUBULAR STEEL DIA (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME	REMARKS	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
	SUBTOTALS SHEET 50				126.25	487.50	0	0.00					0.0			253.9				0.0		2		191.6			0	0	0					
	SUBTOTALS SHEET 51				105.63	0.00	0	0.00					0.0			181.2				45.4		0		0.0			0	0	0					
	SUBTOTALS SHEET 52				104.51	0.00	2	0.00					0.0			111.7				0.0		4		435.6			0	0	0					
	SUBTOTALS SHEET 53				67.39	58.00	0	0.00					0.0			45.4				49.2		2		185.5			0	0	0					
	SUBTOTALS SHEET 54				70.14	0.00	0	0.00					0.0			74.7				0.0		2		242.5			0	0	0					
	SUBTOTALS SHEET 55				90.13	0.00	0	0.00					0.0			135.2				0.0		4		370.2			0	0	0					
	SUBTOTALS SHEET 56				156.50	0.00	0	0.00					0.0			414.7				0.0		2		191.6			0	0	0					
	SUBTOTALS SHEET 57				113.75	0.00	0	0.00					0.0			234.5				0.0		0		0.0			0	0	0					
	SUBTOTALS SHEET 58				119.28	0.00	0	0.00					0.0			197.1				0.0		4		370.2			0	0	0					
	SUBTOTALS SHEET 59				179.25	471.50	0	0.00					0.0			32.6				0.0		6		720.9			2	0	692					
	SUBTOTALS SHEET 60				120.76	494.00	0	0.00					0.0			98.4				47.0		10		1000.2			2	0	378					
	SUBTOTALS SHEET 61				110.69	1229.75	0	0.00					0.0			43.0				68.2		6		740.6			0	0	0					
	SUBTOTALS SHEET 62				96.94	0.00	0	0.00					0.0			203.0				0.0		2		191.6			0	0	0					
	SUBTOTALS SHEET 63				131.50	479.75	2	0.00					0.0			270.8				0.0		6		620.4			0	0	0					
	SUBTOTALS SHEET 64				88.75	0.00	3	0.00					0.0			203.6				98.6		2		191.6			0	0	0					
	SUBTOTALS SHEET 65				79.25	0.00	3	0.00					0.0			69.9				98.6		4		406.0			0	0	0					
	SUBTOTALS SHEET 66				46.63	0.00	2	0.00					0.0			40.2				49.3		2		191.6			0	0	0					
	SUBTOTALS SHEET 67				84.50	0.00	0	0.00					0.0			176.0				15.6		0		0.0			0	0	0					
	SUBTOTALS SHEET 68				77.50	0.00	0	0.00					0.0			172.0				15.6		0		0.0			0	0	0					
	SUBTOTALS SHEET 69				52.90	0.00	3	0.00					0.0			150.9				36.4		0		0.0			0	0	0					
	SUBTOTALS SHEET 70				63.00	0.00	1	0.00					0.0			185.2				31.2		0		0.0			0	0	0					
	SUBTOTALS SHEET 71				44.90	0.00	2	0.00					0.0			87.2				36.4		0		0.0			0	0	0					
	SUBTOTALS SHEET 72				5965.01	10307.00	0	0.00					0.0			6397.4				3341.7		269		31442.0			95	4	39970					
	SUBTOTAL				8095.16	13527.50	18.00	0.00					0.0			9778.6				3933.2		327		37492.1			99	4	41040					
	ROUNDING				0.84	0.50	0	0.00					0.0			0.4				0.8		0		0.9			0	0	0					
												FT	FT	FT	FT	FT	FT	EA.		LB	LB			LB	LB	LB	LB							
PROJECT TOTALS					SF 8096.00	SF 13528.00	EA. 18	SF 0.00				FT 0.0			FT 9,779.0					LB 3934.0		EA. 327		LB 37493.0			EA. 99	EA. 4	LB 41040					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE".

PROJECT NAME: **WATERBURY - WINOOSKI**
PROJECT NUMBER: **IMG SIGN(18)**

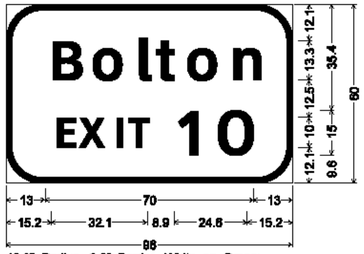
FILE NAME: **090124 tss totals.xls** PLOT DATE: **10/27/2009**
PROJECT LEADER: **CRB** DRAWN BY: **SRB**
DESIGNED BY: **BDB** CHECKED BY: **DAM**
TRAFFIC SIGN SUMMARY SHEET # 73 SHEET **131** OF **174**

MM 62.165 NB
MM 64.970 SB



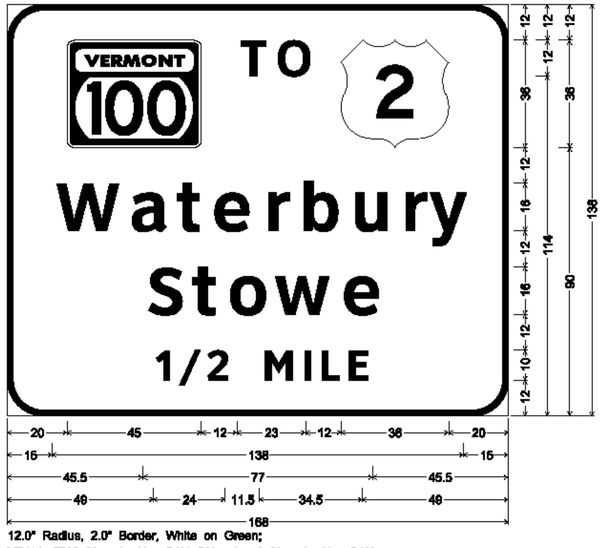
12.0" Radius, 2.0" Border, White on Green;
VT100; [TO] ClearviewHwy-5-W; [Waterbury] ClearviewHwy-5-W;
[Stowe] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

MM 62.535 NB



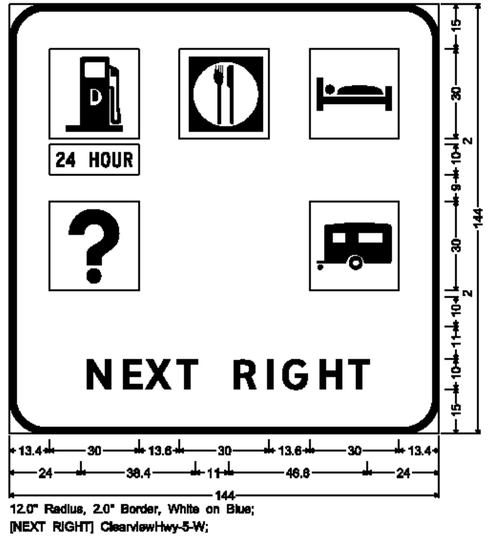
12.0" Radius, 2.0" Border, White on Green;
[Bolton] ClearviewHwy-5-W;
[EXIT 10] ClearviewHwy-5-W;

MM 62.890 NB
MM 64.520 SB



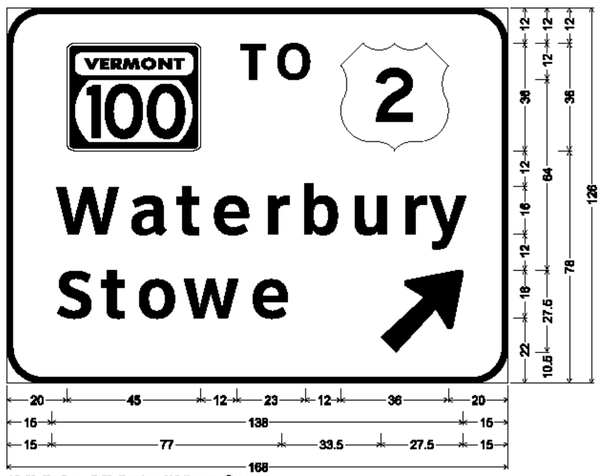
12.0" Radius, 2.0" Border, White on Green;
VT100; [TO] ClearviewHwy-5-W; [Waterbury] ClearviewHwy-5-W;
[Stowe] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

MM 63.040 NB
MM 64.300 SB



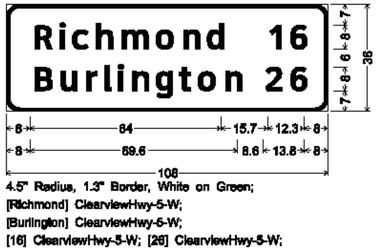
12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

MM 63.325 NB
MM 64.100 SB



12.0" Radius, 2.0" Border, White on Green;
VT100; [TO] ClearviewHwy-5-W; [Waterbury] ClearviewHwy-5-W;
[Stowe] ClearviewHwy-5-W; Arrow 160 - 35.0" 45°;

MM 64.590 NB



4.5" Radius, 1.3" Border, White on Green;
[Richmond] ClearviewHwy-5-W;
[Burlington] ClearviewHwy-5-W;
[16] ClearviewHwy-5-W; [26] ClearviewHwy-5-W;

GENERAL SIGN DETAIL NOTES

1. THE NOTE BELOW EACH SIGN DETAIL INCLUDES THE CORNER RADII, BORDER WIDTH, TEXT COLOR, BACKGROUND COLOR AND TEXT SERIES TO BE USED.
2. COLORS: UNLESS NOTED OTHERWISE, WHITE ON GREEN AND WHITE ON BLUE SIGNIFIES WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN OR BLUE ASTM TYPE III RETROREFLECTIVE BACKGROUND. BLACK ON YELLOW AND BLACK ON WHITE SIGNIFIES BLACK LEGEND AND BORDER ON YELLOW OR WHITE ASTM TYPE III (MINIMUM) RETROREFLECTIVE BACKGROUND. ALL COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY AASHTO AND APPROVED BY FHWA.
3. TEXT LAYOUT DIMENSIONS ARE BASED ON THE CLEARVIEW FONT OR THE STANDARD ALPHABETS SPACING CHARTS FOUND IN THE MUTCD "STANDARD HIGHWAY SIGNS" PUBLICATION. MINOR VARIATIONS IN TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF THE VTRANS' TRAFFIC AND SAFETY SECTION BEFORE FABRICATION.
4. UNLESS NOTED OTHERWISE, THE DESIGN/DIMENSIONS FOR SYMBOLS SHOWN ON THESE SIGNS CAN BE FOUND IN VTRANS' STANDARDS OR IN THE STANDARD HIGHWAY SIGNS PUBLICATION.
5. FOR GUIDE SIGN ROUTE MARKER DETAILS SEE STD'S E-135, E-136A AND E-136B.
6. THE NOTE BELOW EACH GUIDE SIGN DETAIL SPECIFIES APPROPRIATE ARROW LENGTHS WHEN APPLICABLE. FOR ARROW DIMENSIONS REFER TO GUIDE SIGN ARROW DETAILS IN THE STANDARD HIGHWAY SIGNS PUBLICATION.

SIGN DETAIL SHEET 1

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

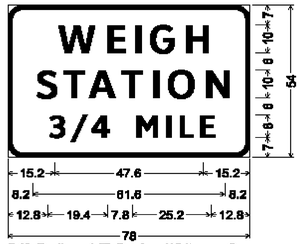
FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 136 OF 174

MODEL: 01

MM 64.740 NB

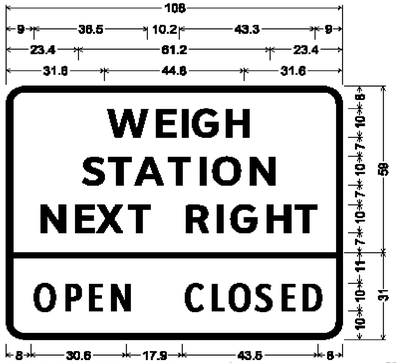
8.0" Radius, 2.0" Border, White on Blue;
[PARKING AREA] ClearviewHwy-3-W; [1] ClearviewHwy-5-W;
[MILE] ClearviewHwy-3-W;
8.0" Radius, 1.5" Border, White on Blue;
[NEXT FACILITY] Clearview-Hwy-4-W;
[17 MILES] ClearviewHwy-4-W;

MM 64.975 NB
MM 67.834 SB

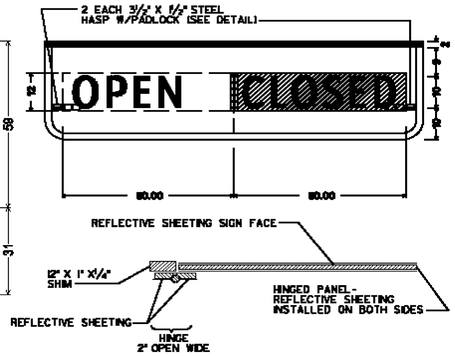


5.0" Radius, 1.5" Border, White on Green;
[WEIGH] ClearviewHwy-4-W;
[STATION] ClearviewHwy-4-W;
[3/4 MILE] ClearviewHwy-4-W;

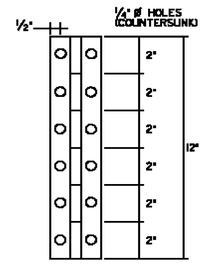
MM 65.195 NB
MM 67.670 SB



8.0" Radius, 2.0" Border, White on Green;
[WEIGH] ClearviewHwy-5-W specified length;
[STATION] ClearviewHwy-5-W specified length;
[NEXT] Clearview-Hwy-5-W specified length;
[RIGHT] ClearviewHwy-5-W specified length;
6.0" Radius, 2.0" Border, White on Green;
[OPEN] Clearview-Hwy-2-W;
[CLOSED] ClearviewHwy-2-W;



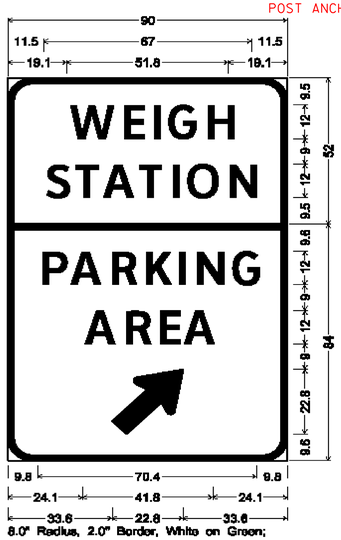
THE CENTRALLY HINGED PANEL TO HAVE THE WORD "OPEN" DISPLAYED WHEN SWUNG TO THE RIGHT AND "CLOSED" DISPLAYED WHEN SWUNG TO THE LEFT ON THE PARENT SIGN. FURNISH AND MOUNT STAINLESS STEEL RETAINERS TO SECURE THE PANEL IN EITHER POSITION. PANEL POSITION WILL BE CHANGED FROM THE GROUND WITH A POLE. HINGE TO BE COVERED WITH SAME REFLECTORIZED MATERIAL AS MAIN SIGN. ADJUST LETTER TO LETTER SPACING TO CLEAR HINGE IF NECESSARY AND OTHER LETTERS ACCORDINGLY.



2" HINGE DETAIL

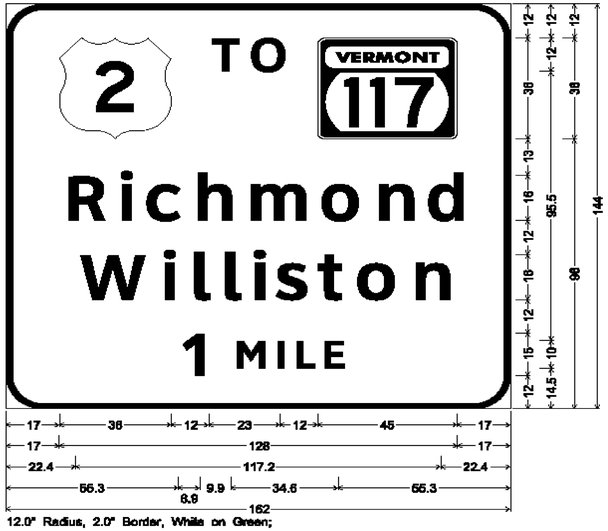
MM 65.702 NB
MM 66.957 SB

LAYOUT SAYS "RETAIN". THE EXISTING SIGN WAS HIT BEFORE THE START OF THE PROJECT.
POST ANCHORS WERE BENT SO NEW POSTS WERE NEEDED & RUSS VELANDER REQUESTED NEW SIGN.



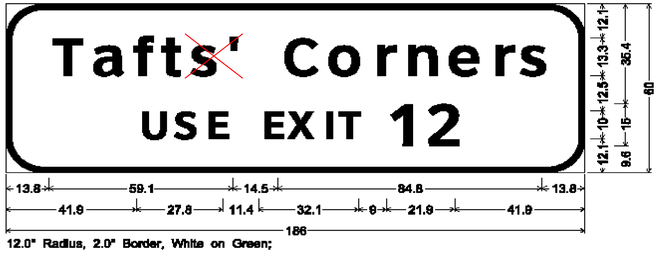
8.0" Radius, 2.0" Border, White on Green;
[WEIGH] ClearviewHwy-3-W;
[STATION] ClearviewHwy-3-W;
8.0" Radius, 2.0" Border, White on Blue;
[PARKING] ClearviewHwy-3-W;
[AREA] ClearviewHwy-3-W;
Standard Arrow 29.0" X 17.6" 45°;

MM 77.120 NB



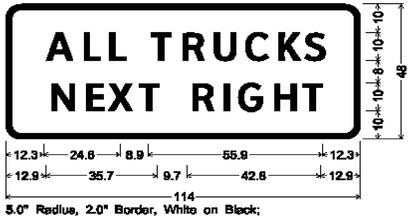
12.0" Radius, 2.0" Border, White on Green;
[TO] Clearview-Hwy-5-W; VT117; [Richmond] Clearview-Hwy-5-W;
[Williston] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

MM 77.405 NB



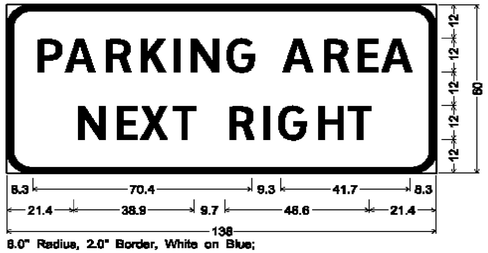
12.0" Radius, 2.0" Border, White on Green;
[Tafts' Corners] ClearviewHwy-5-W; [USE EXIT 12] ClearviewHwy-5-W;

MM 65.353 NB
MM 67.520 SB



5.0" Radius, 2.0" Border, White on Black;
[ALL TRUCKS] ClearviewHwy-4-W;
[NEXT RIGHT] Clearview-Hwy-4-W;

MM 65.510 NB
MM 67.120 SB

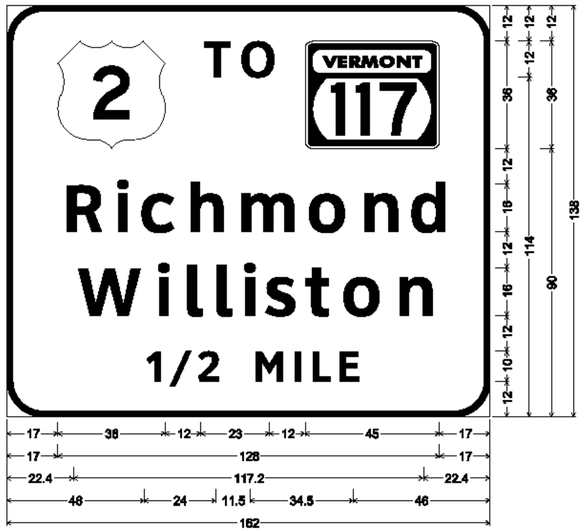


8.0" Radius, 2.0" Border, White on Blue;
[PARKING AREA] ClearviewHwy-3-W;
[NEXT RIGHT] ClearviewHwy-3-W;

SIGN DETAIL SHEET 2	PROJECT NAME: WATERBURY - WINOOSKI
	PROJECT NUMBER: IMG SIGN(18)
	FILE NAME: z09a018signdet.dgn — PLOT DATE: 10/27/2009
	PROJECT LEADER: CRB — DRAWN BY: JBZ
	DESIGNED BY: JBZ — CHECKED BY: BDB
	CLD REF. NO.s: 09-0124 — SHEET 137 OF 174

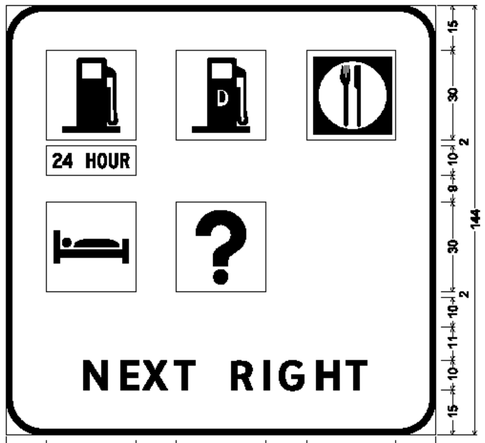
MODEL: 02

MM 77.695 NB



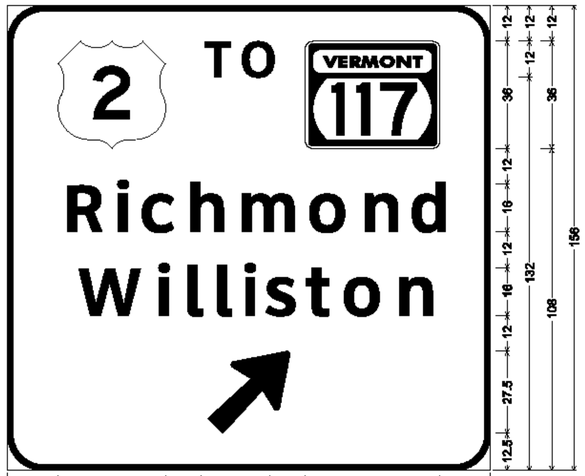
12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT117; [Richmond] ClearviewHwy-5-W;
[Williston] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

MM 77.850 NB
MM 78.815 SB



12.0" Radius, 2.0" Border, White on Blue;
[NEXT RIGHT] ClearviewHwy-5-W;

MM 78.125 NB



12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT117; [Richmond] ClearviewHwy-5-W;
[Williston] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

MM 79.070 NB

4.5" Radius, 1.3" Border, White on Green;
[Essex Jct] ClearviewHwy-5-W;
[Burlington] ClearviewHwy-5-W;
[9] ClearviewHwy-5-W; [11] ClearviewHwy-5-W;

MM 81.070 NB

Exit Direction Rest Area-Tourist Information Center Sign (Alternate);
10.0" Radius, 2.0" Border, White on Blue;
[REST AREA] ClearviewHwy-3-W;
[TOURIST INFO] ClearviewHwy-3-W; [CENTER] ClearviewHwy-3-W;
[1 MILE] ClearviewHwy-3-W;
6.0" Radius, 1.5" Border, White on Blue;
[NEXT FACILITY] ClearviewHwy-4-W; [30 MILES] ClearviewHwy-4-W;

MM 81.724 NB
MM 82.580 SB

Exit Direction Rest Area-Tourist Information Center Sign (Alternate);
10.0" Radius, 2.0" Border, White on Blue;
[REST AREA] ClearviewHwy-3-W;
[TOURIST INFO] ClearviewHwy-3-W; [CENTER] ClearviewHwy-3-W;
[NEXT RIGHT] ClearviewHwy-3-W;

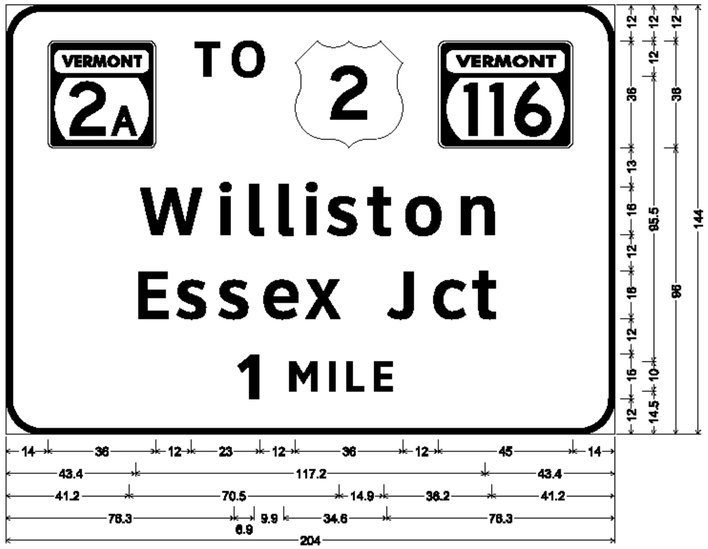
SIGN DETAIL SHEET 3

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 138 OF 174

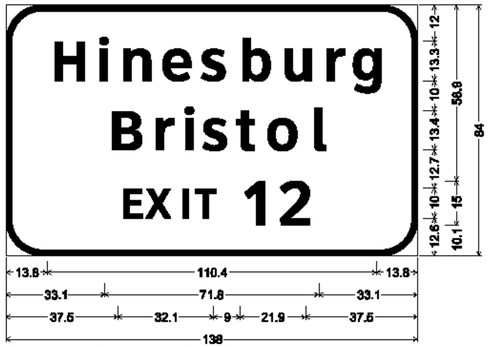
MODEL: 03

MM 82.780 NB
MM 85.240 SB



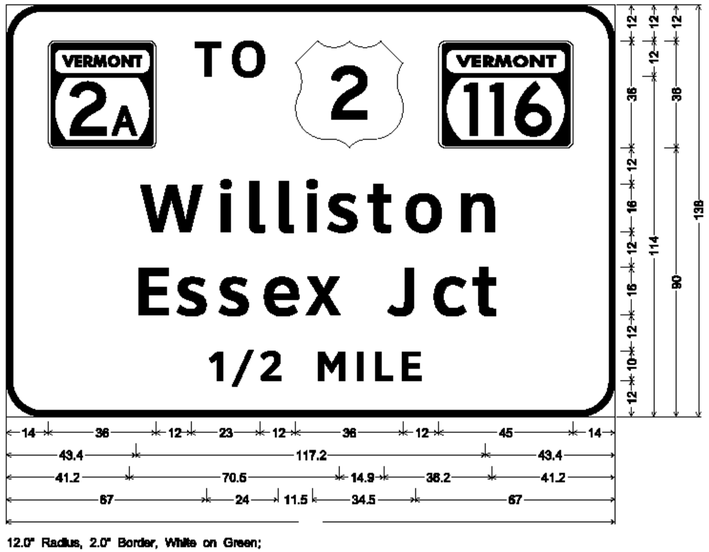
12.0" Radius, 2.0" Border, White on Green;
2A; [TO] ClearviewHwy-5-W; VT116; [Williston] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

MM 83.010 NB
MM 84.890 SB



12.0" Radius, 2.0" Border, White on Green;
[Hinesburg] ClearviewHwy-5-W; [Bristol] ClearviewHwy-5-W;
[EXIT 12] ClearviewHwy-5-W;

MM 83.260 NB
MM 84.650 SB

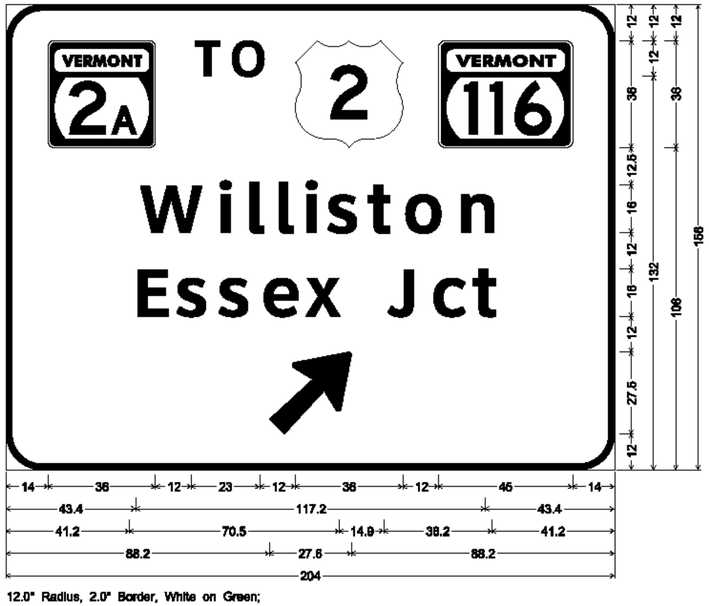


12.0" Radius, 2.0" Border, White on Green;
2A; [TO] ClearviewHwy-5-W; VT116; [Williston] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

MM 83.410 NB

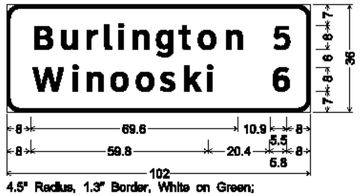
12.0" Radius, 2.0" Border, White on Green;
[Burlington] ClearviewHwy-5-W; [International] ClearviewHwy-5-W;
[Airport] ClearviewHwy-5-W; [EXIT 12] ClearviewHwy-5-W;

MM 83.600 NB
MM 84.300 SB



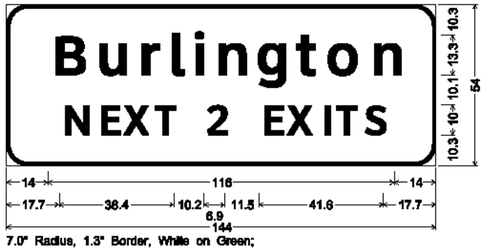
12.0" Radius, 2.0" Border, White on Green;
2A; [TO] ClearviewHwy-5-W; VT116; [Williston] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45";

MM 84.705 NB



4.5" Radius, 1.3" Border, White on Green;
[Burlington] ClearviewHwy-5-W;
[Winooski] ClearviewHwy-5-W;
[5] ClearviewHwy-5-W; [6] ClearviewHwy-5-W;

MM 85.740 NB



7.0" Radius, 1.3" Border, White on Green;
[Burlington] ClearviewHwy-5-W; [NEXT 2 EXITS] ClearviewHwy-5-W;

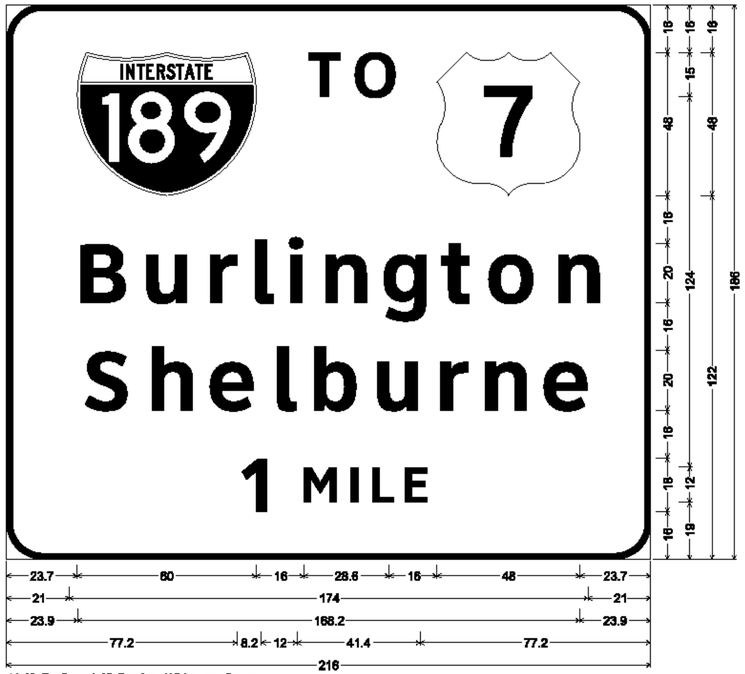
SIGN DETAIL SHEET 4

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 139 OF 174

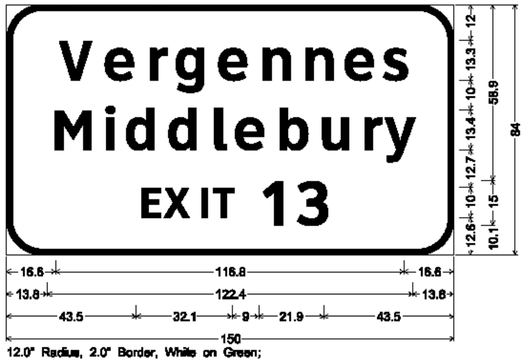
MODEL: 04

MM 86.450 NB



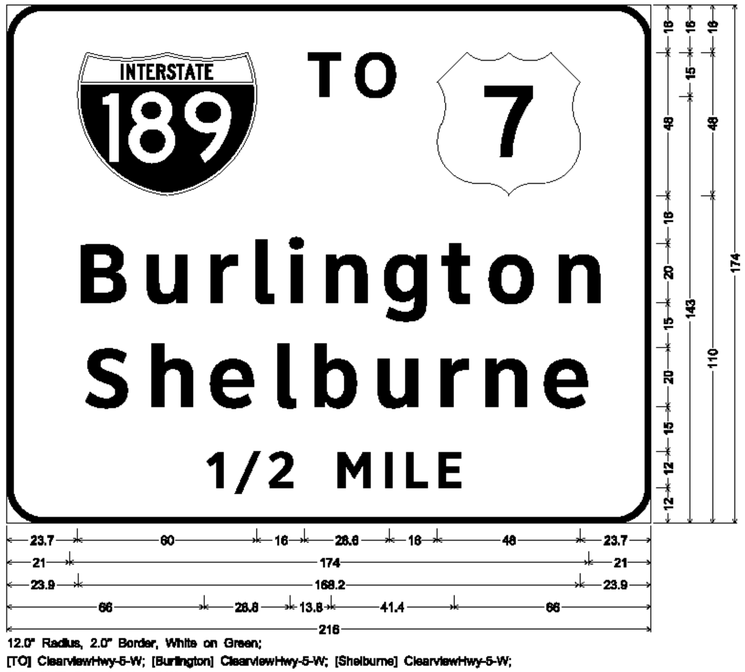
12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

MM 86.775 NB



12.0" Radius, 2.0" Border, White on Green;
[Vergennes] ClearviewHwy-5-W; [Middlebury] ClearviewHwy-5-W;
[EXIT 13] ClearviewHwy-5-W;

MM 86.985 NB

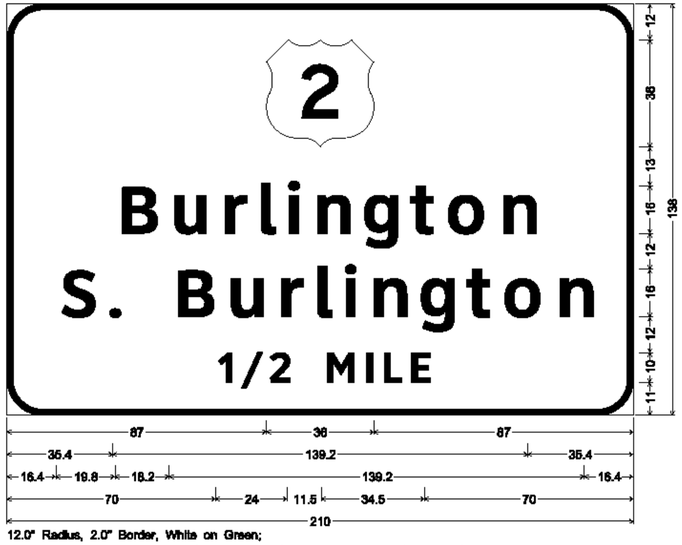


12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

MM 87.430 NB

12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W;
Arrow 160 - 35.0° 45°;

MM 88.000 NB



12.0" Radius, 2.0" Border, White on Green;
[Burlington] ClearviewHwy-5-W; [S. Burlington] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

SIGN DETAIL SHEET 5

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

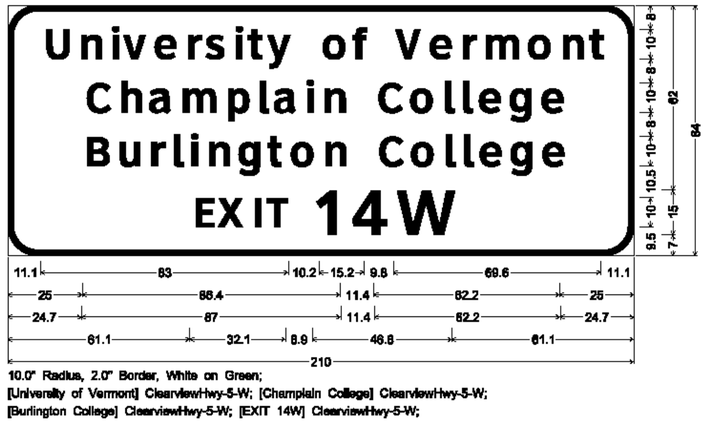
FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 140 OF 174

MODEL: 05

MM 88.150 NB
MM 89.150 SB

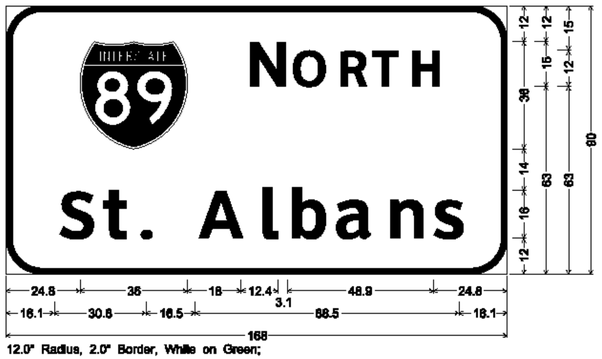
12.0" Radius, 2.0" Border, White on Green;
[Burlington] ClearviewHwy-5-W; [International] ClearviewHwy-5-W;
[Airport] ClearviewHwy-5-W; [EXIT 14E] ClearviewHwy-5-W;

MM 88.300 NB
MM 89.570 SB



10.0" Radius, 2.0" Border, White on Green;
[University of Vermont] ClearviewHwy-5-W; [Champlain College] ClearviewHwy-5-W;
[Burlington College] ClearviewHwy-5-W; [EXIT 14W] ClearviewHwy-5-W;

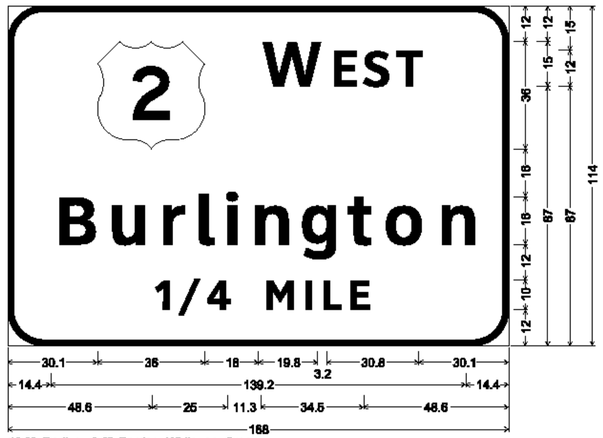
MM 88.490 NB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [St. Albans] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

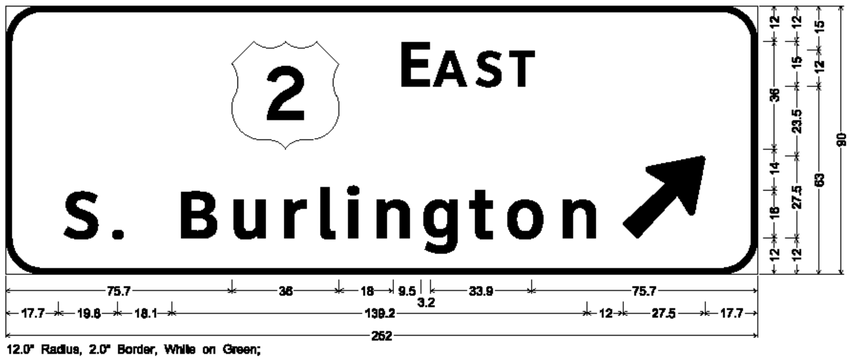
MM 88.490 NB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[W EST] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W;
[1/4 MILE] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

MM 88.490 NB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[E AST] ClearviewHwy-5-W; [S. Burlington] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

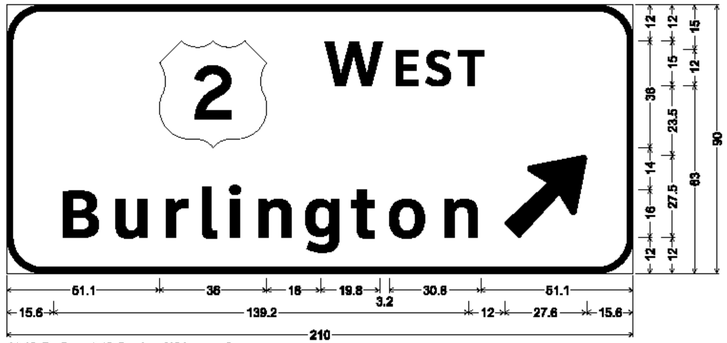
SIGN DETAIL SHEET 6

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 141 OF 174

MODEL: 06

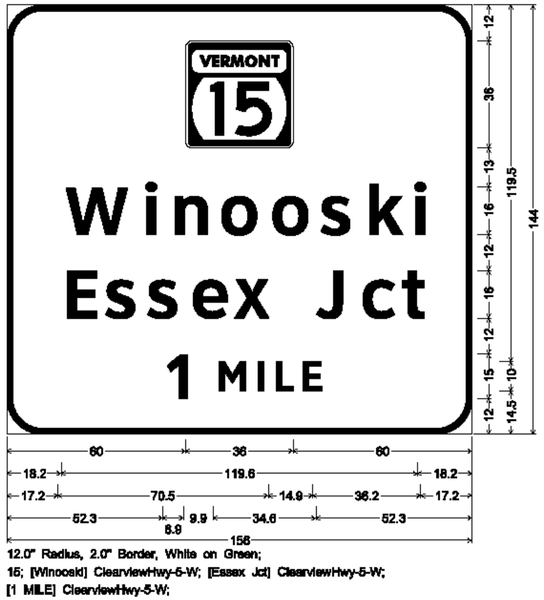
MM 88.675 NB BRIDGE MOUNTED



12.0" Radius, 2.0" Border, White on Green;
[W EST] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

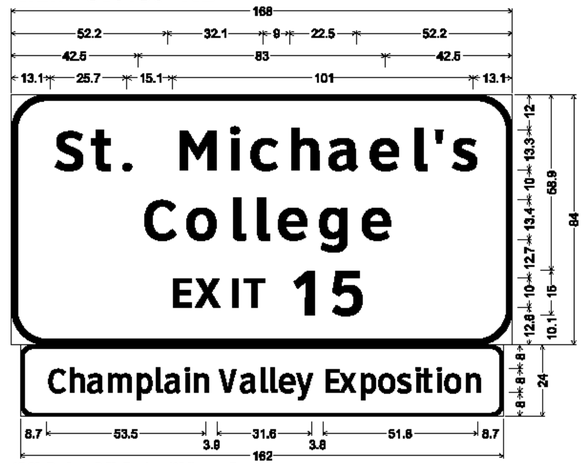
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

MM 89.300 NB



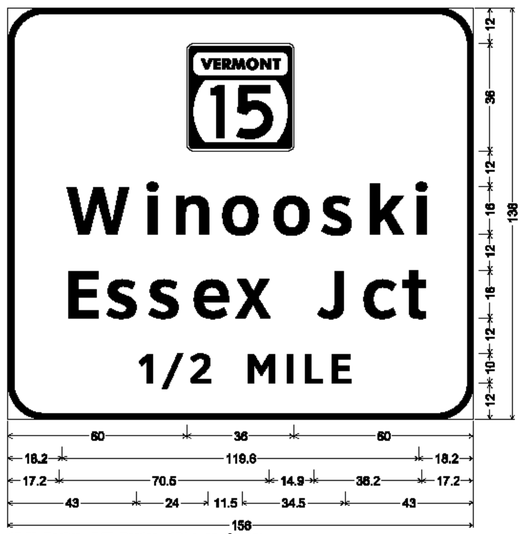
12.0" Radius, 2.0" Border, White on Green;
15; [Winooski] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
[1 MILE] ClearviewHwy-5-W;

MM 89.460 NB



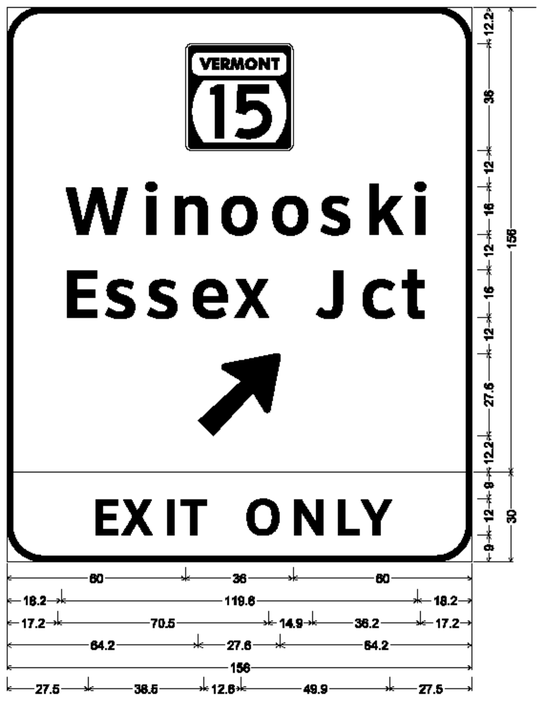
12.0" Radius, 2.0" Border, White on Green;
[St. Michael's] ClearviewHwy-5-W; [College] ClearviewHwy-5-W;
[EXIT 15] ClearviewHwy-5-W;
4.0" Radius, 1.3" Border, White on Brown;
[Champlain Valley Exposition] ClearviewHwy-3-W 60% spacing;

MM 89.665 NB



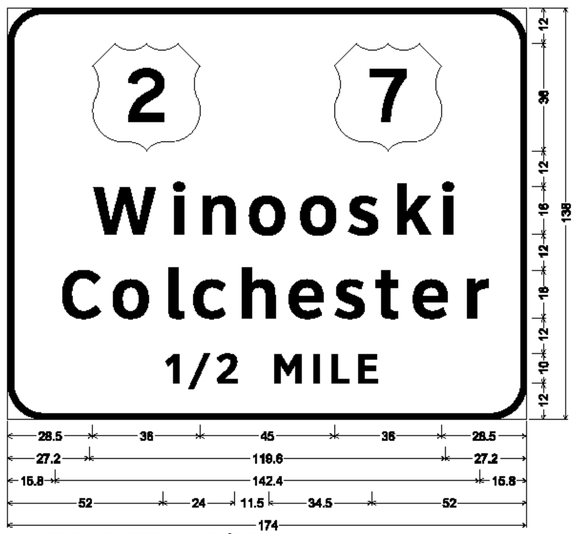
12.0" Radius, 2.0" Border, White on Green;
15; [Winooski] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

MM 89.815 NB



12.0" Radius, 2.0" Border, White on Green;
15; [Winooski] ClearviewHwy-5-W; [Essex Jct] ClearviewHwy-5-W;
Arrow 160 - 35.0° 45°;
12.0" Radius, 2.0" Border, White on Yellow;
[EXIT ONLY] Black ClearviewHwy-5-W;

MM 90.735 NB



12.0" Radius, 2.0" Border, White on Green;
[Winooski] ClearviewHwy-5-W; [Colchester] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

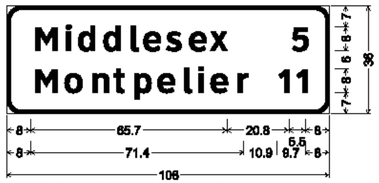
SIGN DETAIL SHEET 7

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 142 OF 174

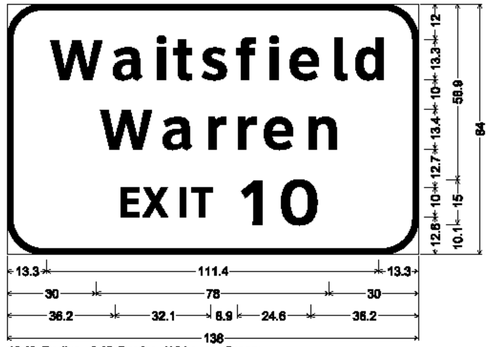
MODEL: 07

MM 63.025 SB



4.5" Radius, 1.3" Border, White on Green;
[Middlesex] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[5] ClearviewHwy-5-W; [11] ClearviewHwy-5-W;

MM 64.750 SB

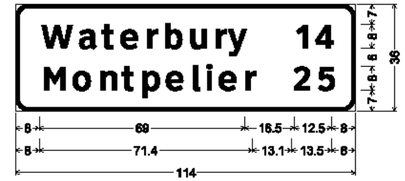


12.0" Radius, 2.0" Border, White on Green;
[Waitsfield] ClearviewHwy-5-W; [Warren] ClearviewHwy-5-W;
[EXIT 10] ClearviewHwy-5-W;

MM 68.090 SB

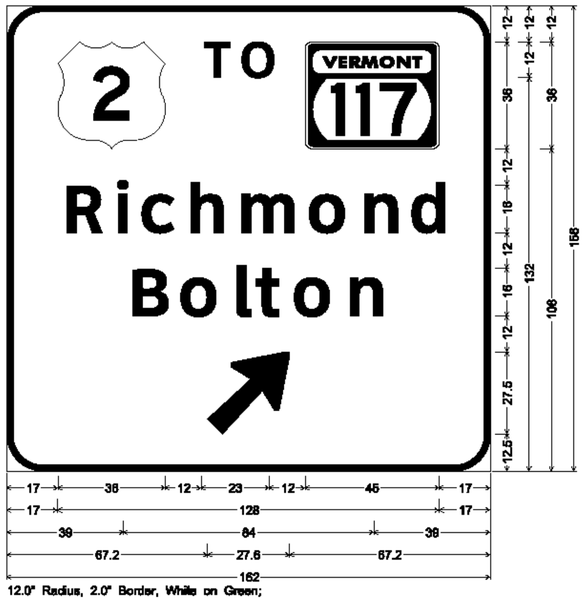
8.0" Radius, 2.0" Border, White on Blue;
[PARKING AREA] ClearviewHwy-3-W; [1] ClearviewHwy-5-W;
[MILE] ClearviewHwy-3-W;
8.0" Radius, 1.5" Border, White on Blue;
[NEXT FACILITY] ClearviewHwy-4-W;
[33 MILES] ClearviewHwy-4-W;

MM 77.340 SB



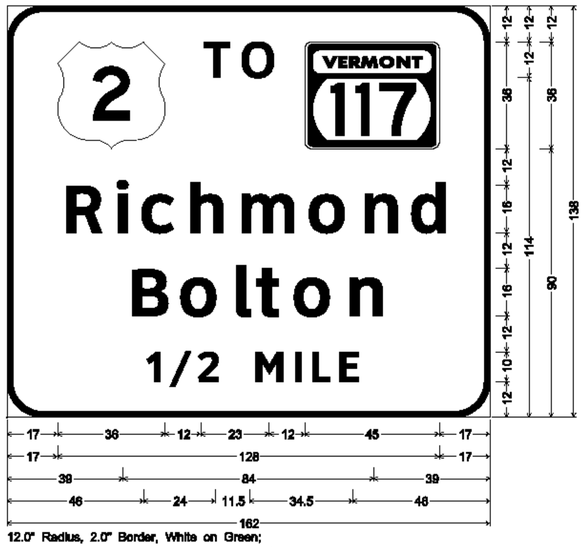
4.5" Radius, 1.3" Border, White on Green;
[Waterbury] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[14] ClearviewHwy-5-W; [25] ClearviewHwy-5-W;

MM 78.630 SB



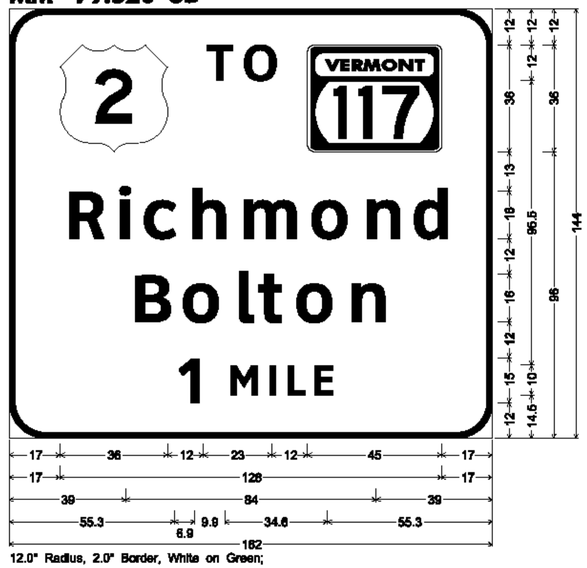
12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT117; [Richmond] ClearviewHwy-5-W;
[Bolton] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

MM 79.050 SB



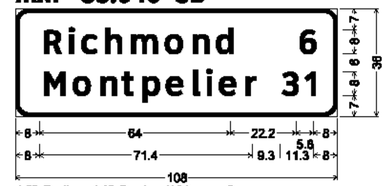
12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT117; [Richmond] ClearviewHwy-5-W;
[Bolton] ClearviewHwy-5-W; [1/2 MILE] ClearviewHwy-5-W;

MM 79.520 SB



12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; VT117; [Richmond] ClearviewHwy-5-W;
[Bolton] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

MM 83.040 SB



4.5" Radius, 1.3" Border, White on Green;
[Richmond] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W;
[6] ClearviewHwy-5-W; [31] ClearviewHwy-5-W;

MODEL: 08

SIGN DETAIL SHEET 8

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o18signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 143 OF 174

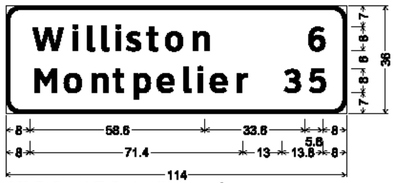
MM 83.200 SB

Exit Direction Rest Area-Tourist Information Center Sign (Alternate);
10.0" Radius, 2.0" Border, White on Blue;
[REST AREA] ClearviewHwy-3-W;
[TOURIST INFO] ClearviewHwy-3-W; [CENTER] ClearviewHwy-3-W;
[1 MILE] ClearviewHwy-3-W;
6.0" Radius, 1.5" Border, White on Blue;
[NEXT FACILITY] ClearviewHwy-4-W; [50 MILES] ClearviewHwy-4-W;

MM 84.500 SB

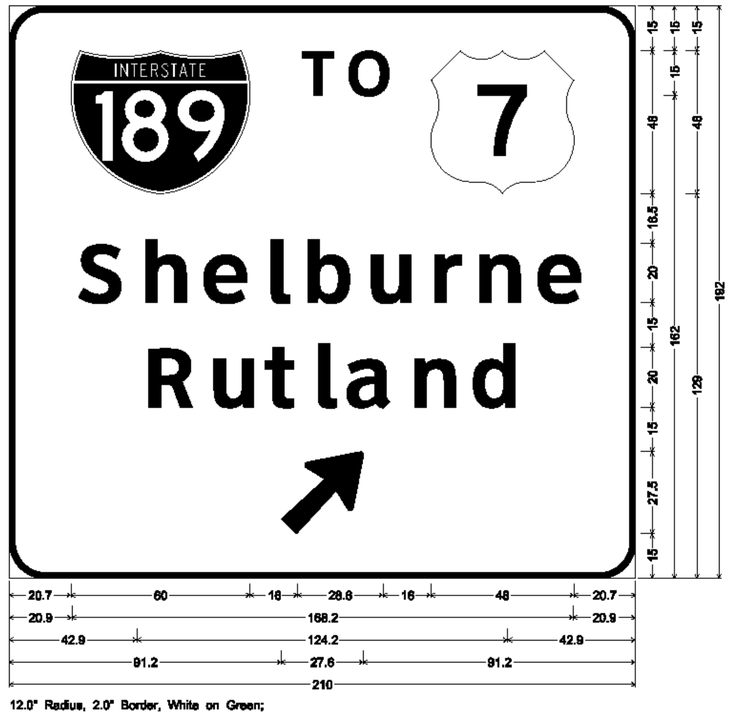
7.0" Radius, 1.3" Border, White on Blue;
[CAR POOL] ClearviewHwy-4-W;
[INFO] ClearviewHwy-4-W;
[1-800-685-RIDE] ClearviewHwy-2-W specified length;

MM 86.540 SB



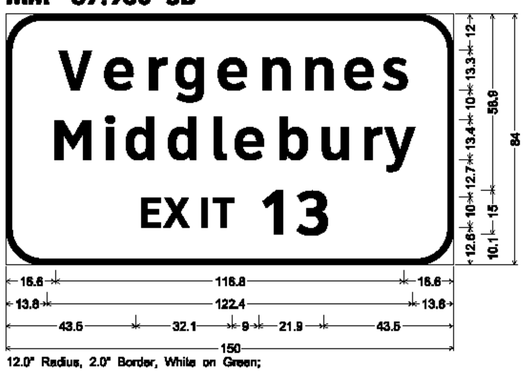
4.5" Radius, 1.3" Border, White on Green;
[Williston] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W; [6] ClearviewHwy-5-W;
[35] ClearviewHwy-5-W;

MM 87.730 SB



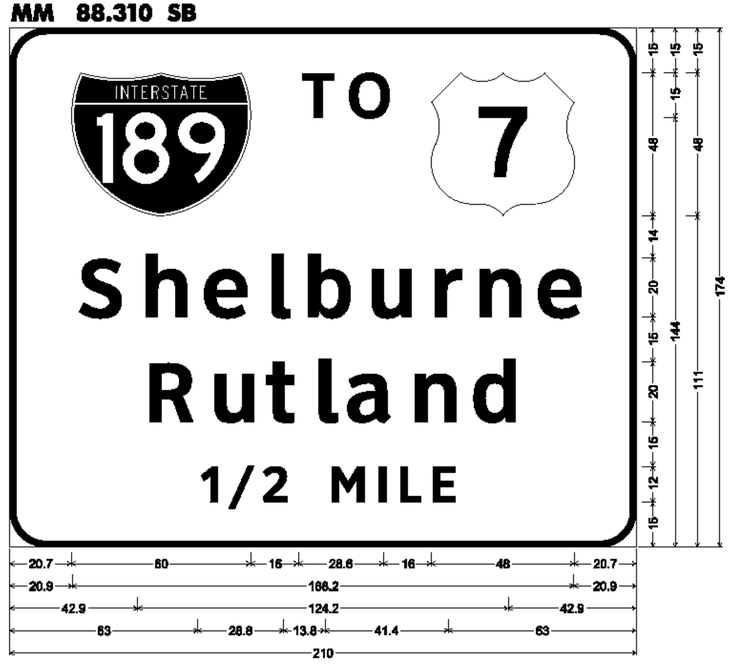
12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W; [Rutland] ClearviewHwy-5-W;
Arrow 160 - 35.0° 45°;

MM 87.960 SB



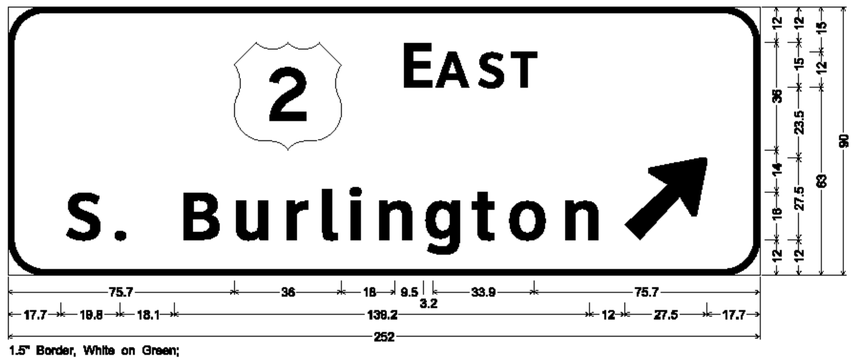
12.0" Radius, 2.0" Border, White on Green;
[Vergennes] ClearviewHwy-5-W; [Middlebury] ClearviewHwy-5-W;
[EXIT 13] ClearviewHwy-5-W;

MM 88.310 SB



12.0" Radius, 2.0" Border, White on Green;
[TO] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W; [Rutland] ClearviewHwy-5-W;
[1/2 MILE] ClearviewHwy-5-W;

MM 88.695 SB BRIDGE MOUNTED



1.5" Border, White on Green;
[EXIT 14E] ClearviewHwy-4-W;
12.0" Radius, 2.0" Border, White on Green;
[E AST] ClearviewHwy-5-W; [S. Burlington] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

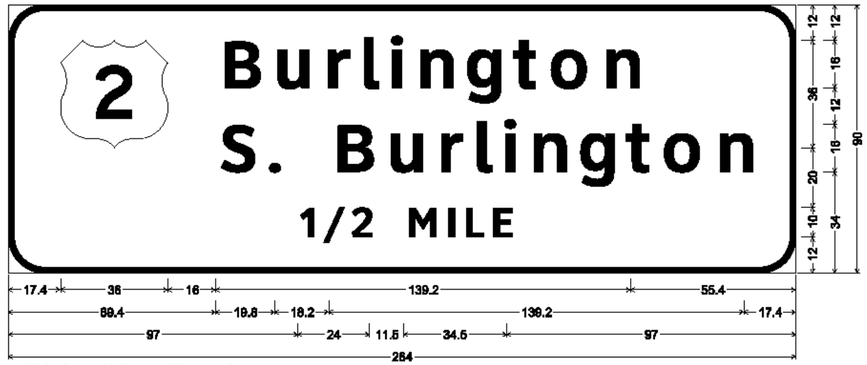
SIGN DETAIL SHEET 9

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 144 OF 174

MODEL: 09

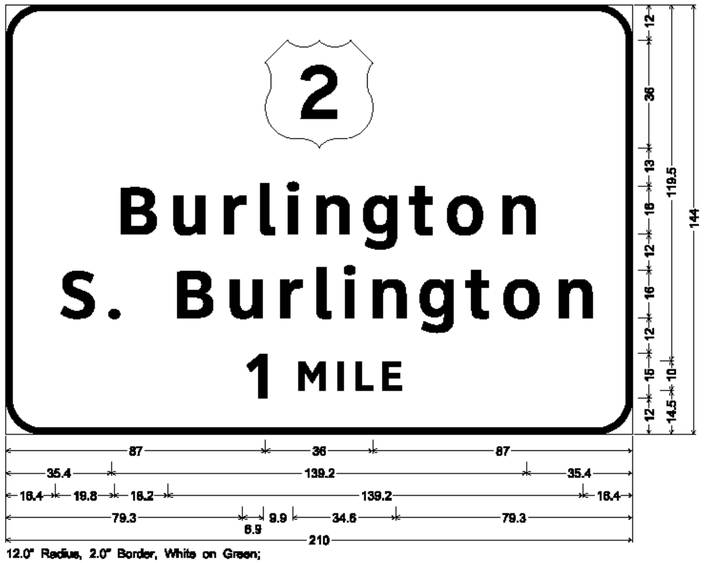
MM 89.410 SB BRIDGE MOUNTED



12.0" Radius, 2.0" Border, White on Green;
[Burlington] Clearview-Hwy-5-W; [S. Burlington] Clearview-Hwy-5-W; [1/2 MILE] Clearview-Hwy-5-W;

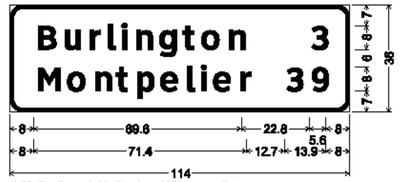
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

MM 89.780 SB



12.0" Radius, 2.0" Border, White on Green;
[Burlington] Clearview-Hwy-5-W; [S. Burlington] Clearview-Hwy-5-W; [1 MILE] Clearview-Hwy-5-W;

MM 90.770 SB



4.5" Radius, 1.3" Border, White on Green;
[Burlington] Clearview-Hwy-5-W;
[Montpelier] Clearview-Hwy-5-W; [3] Clearview-Hwy-5-W;
[39] Clearview-Hwy-5-W;

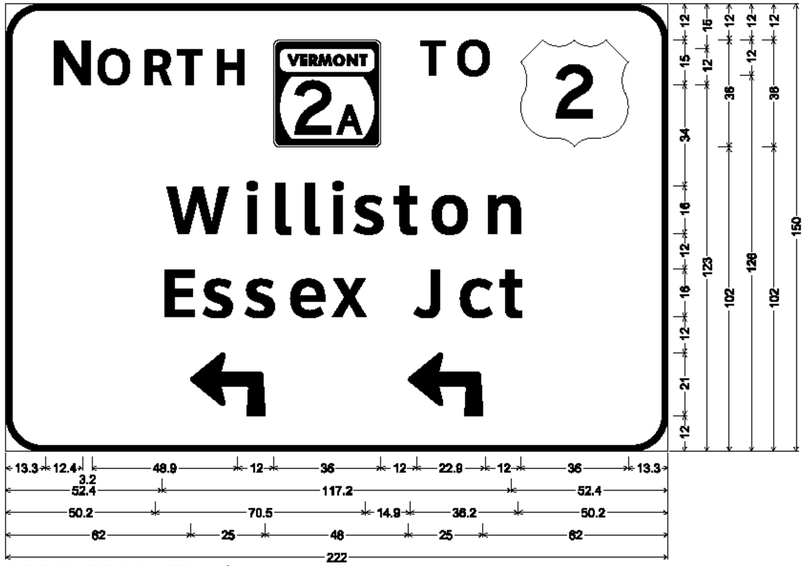
SIGN DETAIL SHEET 10

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 145 OF 174

MODEL: 10

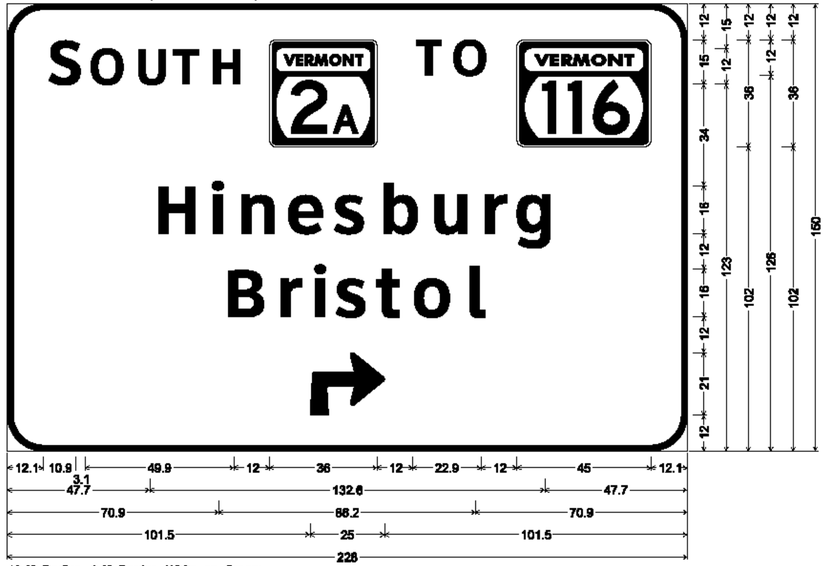
INT. 12
MM 0.112 (RAMP C) OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; 2A; [TO] ClearviewHwy-5-W; [Williston] ClearviewHwy-5-W;
[Essex Jct] ClearviewHwy-5-W; 90 Deg Advanced Turn Arrow 25.0" X 21.0";
90 Deg Advanced Turn Arrow 25.0" X 21.0";

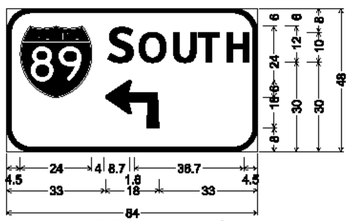
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

INT. 12
MM 0.112 (RAMP C) OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; 2A; [TO] ClearviewHwy-5-W; VT116; [Hinesburg] ClearviewHwy-5-W;
[Bristol] ClearviewHwy-5-W; 90 Deg Advanced Turn Arrow 25.0" X 21.0";
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

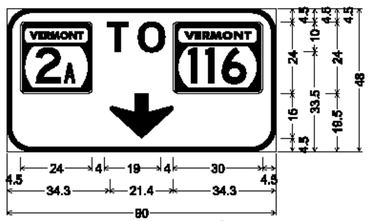
INT. 12 ROUTE 2A SOUTH
MM 2.975 OVERHEAD



8.0" Radius, 1.5" Border, White on Green;
[S OUTH] ClearviewHwy-5-W 50% spacing;
90 Deg Advanced Turn Arrow 18.0" X 16.0";

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

INT. 12 ROUTE 2A NORTH
MM 2.975 OVERHEAD



8.0" Radius, 1.5" Border, White on Green;
2A; [TO] ClearviewHwy-5-W; VT116;
Down Arrow Custom - 15.0" 270";

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

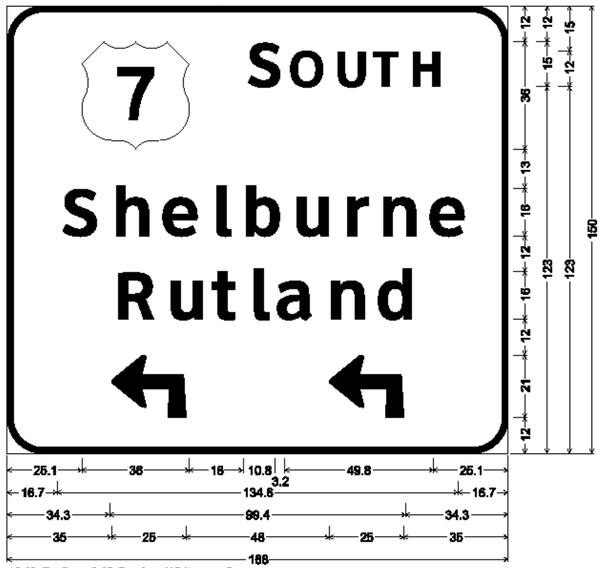
SIGN DETAIL SHEET 11

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 146 OF 174

MODEL: II

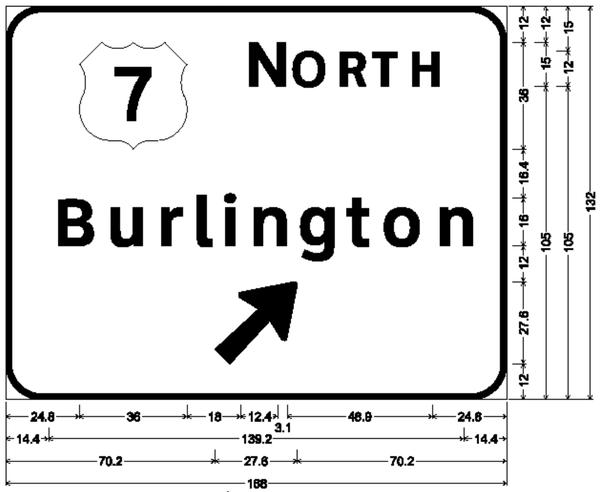
INTERSTATE 189
MM 0.247 WB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W;
[Rutland] ClearviewHwy-5-W; 90 Deg Advanced Turn Arrow 25.0" X 21.0";
90 Deg Advanced Turn Arrow 25.0" X 21.0";

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

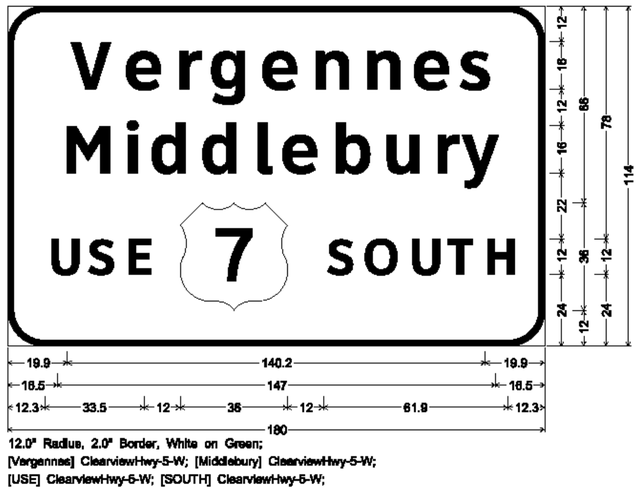
INTERSTATE 189
MM 0.247 WB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45";

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

INTERSTATE 189
MM 0.770 WB



12.0" Radius, 2.0" Border, White on Green;
[Vergennes] ClearviewHwy-5-W; [Middlebury] ClearviewHwy-5-W;
[USE] ClearviewHwy-5-W; [SOUTH] ClearviewHwy-5-W;

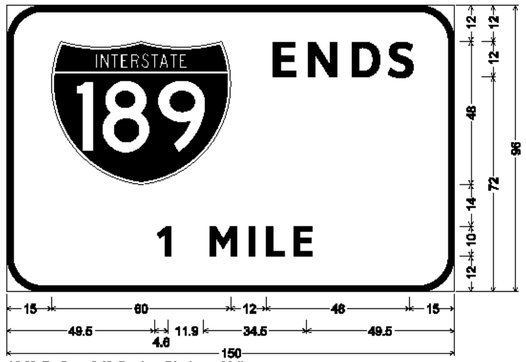
SIGN DETAIL SHEET 12

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 147 OF 174

MODEL: 12

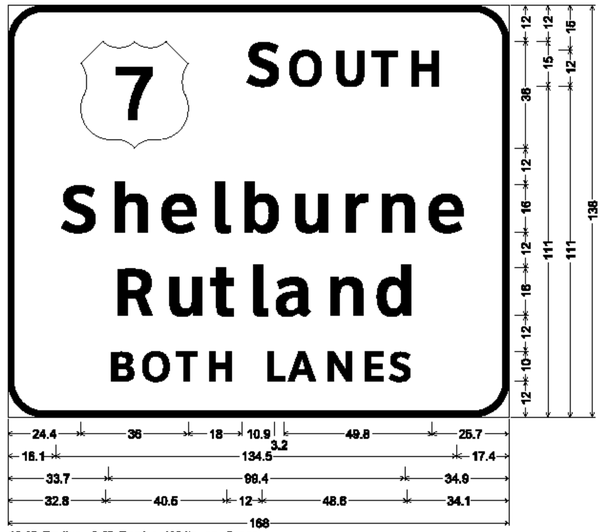
INTERSTATE 189
MM 1.040 WB OVERHEAD



12.0" Radius, 2.0" Border, Black on Yellow;
[ENDS] ClearviewHwy-5-W; [1 MILE] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

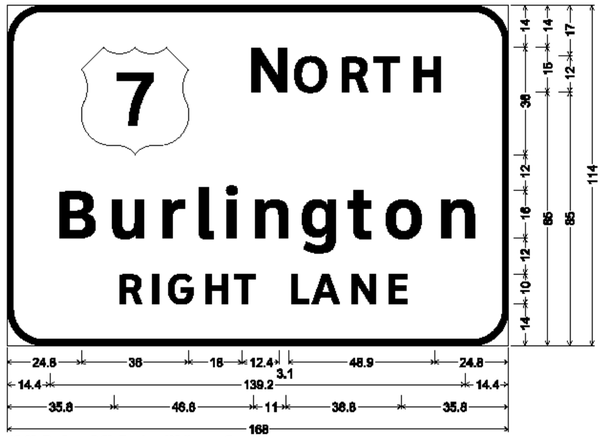
INTERSTATE 189
MM 1.040 WB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [Shelburne] ClearviewHwy-5-W;
[Rutland] ClearviewHwy-5-W; [BOTH LANES] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

INTERSTATE 189
MM 1.040 WB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Burlington] ClearviewHwy-5-W;
[RIGHT LANE] ClearviewHwy-5-W;

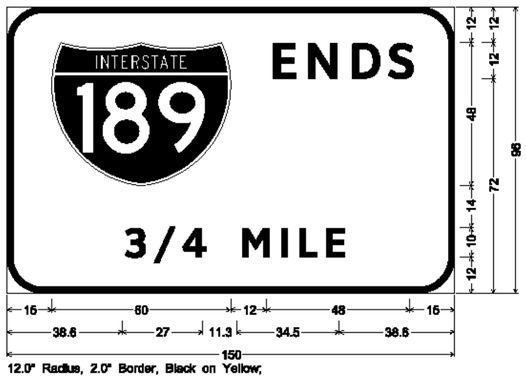
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

INTERSTATE 189
MM 0.810 EB OVERHEAD

12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [Williston] ClearviewHwy-5-W;
[Montpelier] ClearviewHwy-5-W; [RIGHT LANE] ClearviewHwy-5-W;

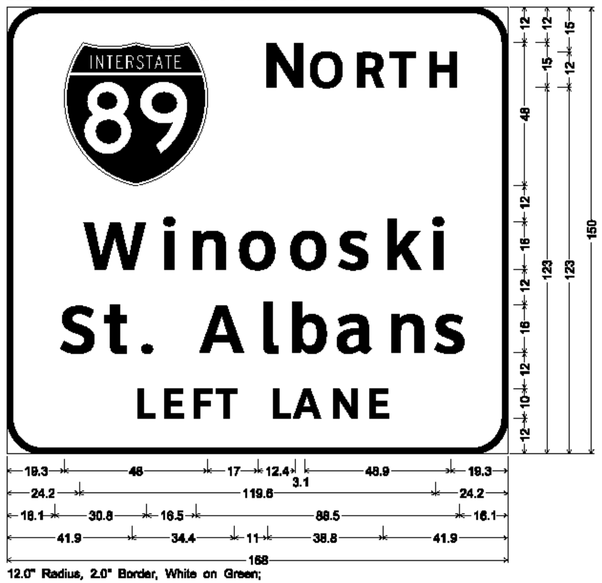
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

INTERSTATE 189
MM 0.600 EB



12.0" Radius, 2.0" Border, Black on Yellow;
[ENDS] ClearviewHwy-5-W; [3/4 MILE] ClearviewHwy-5-W;

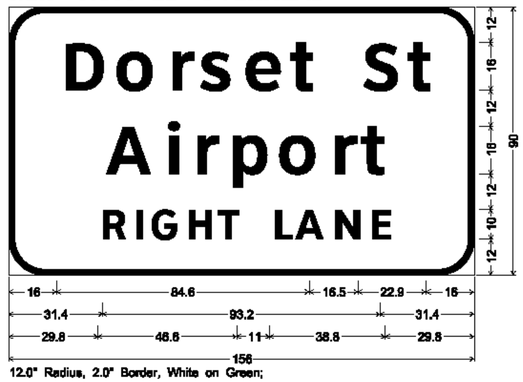
INTERSTATE 189
MM 0.810 EB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Winooski] ClearviewHwy-5-W;
[St. Albans] ClearviewHwy-5-W; [LEFT LANE] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

INTERSTATE 189
MM 0.810 EB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[Dorset St] ClearviewHwy-5-W; [Airport] ClearviewHwy-5-W;
[RIGHT LANE] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET I60, NOTE #10.

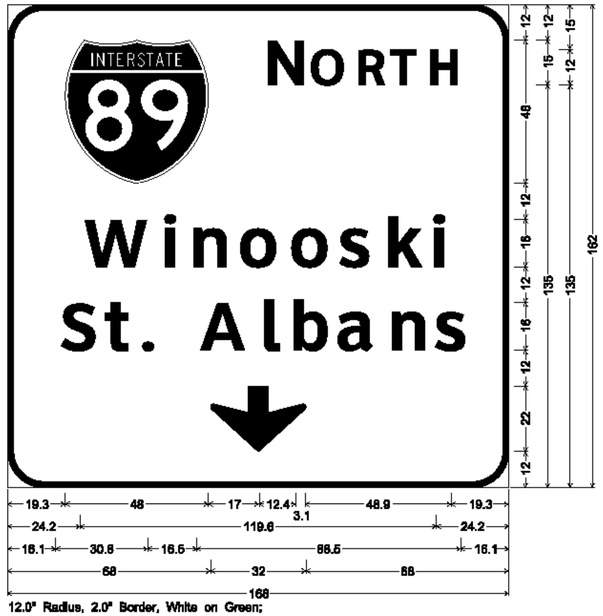
SIGN DETAIL SHEET 13

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 148 OF 174

MODEL: 13

INTERSTATE 189
MM 1.288 EB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Winooski] ClearviewHwy-5-W;
[St. Albans] ClearviewHwy-5-W; Down Arrow 22.0" 270";

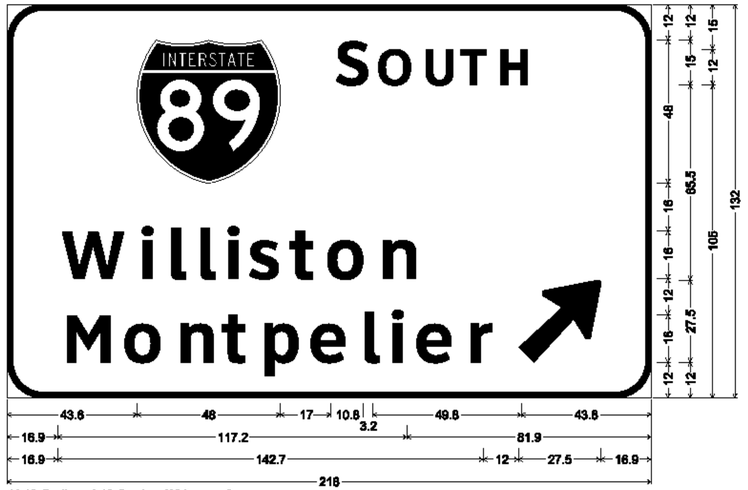
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGENDAND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE "10.

INTERSTATE 189
MM 1.288 EB OVERHEAD

12.0" Radius, 2.0" Border, White on Green;
[Dorset St] ClearviewHwy-5-W; [Airport] ClearviewHwy-5-W;
12.0" Radius, 2.0" Border, White on Yellow;
[EXIT] Black ClearviewHwy-5-W; Down Arrow 22.0" 270" Black;
[ONLY] Black ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE "10.

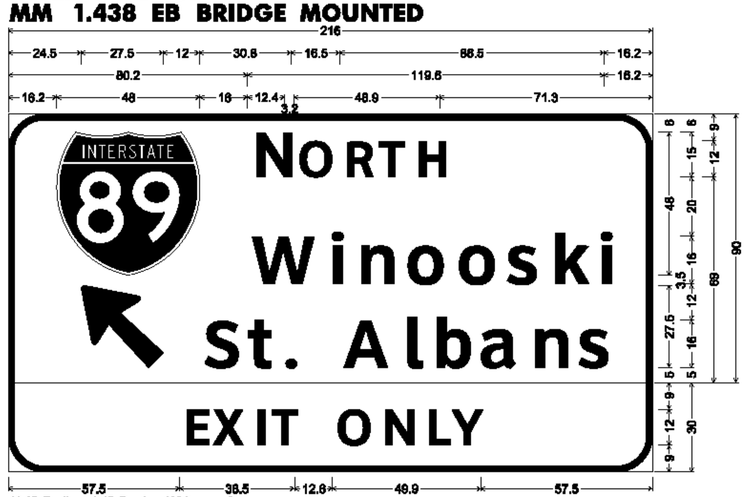
INTERSTATE 189
MM 1.288 EB OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [Williston] ClearviewHwy-5-W; [Montpelier] ClearviewHwy-5-W;
Arrow 160 - 35.0" 45";

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE "10.

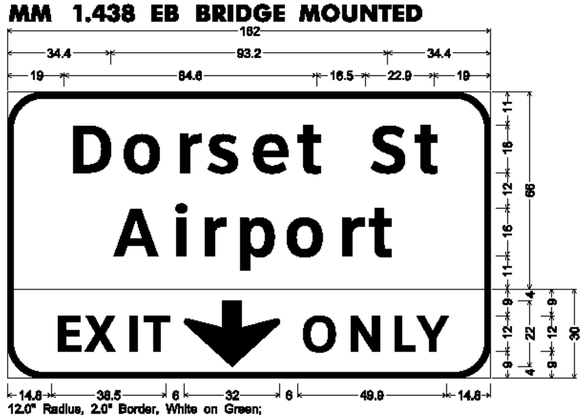
INTERSTATE 189
MM 1.438 EB BRIDGE MOUNTED



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Winooski] ClearviewHwy-5-W; Arrow 160 - 35.0" 135";
[St. Albans] ClearviewHwy-5-W;
12.0" Radius, 2.0" Border, White on Yellow;
[EXIT ONLY] Black ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE "10.

INTERSTATE 189
MM 1.438 EB BRIDGE MOUNTED



12.0" Radius, 2.0" Border, White on Green;
[Dorset St] ClearviewHwy-5-W; [Airport] ClearviewHwy-5-W;
12.0" Radius, 2.0" Border, White on Yellow;
[EXIT] Black ClearviewHwy-5-W; Down Arrow 22.0" 270" Black;
[ONLY] Black ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE "10.

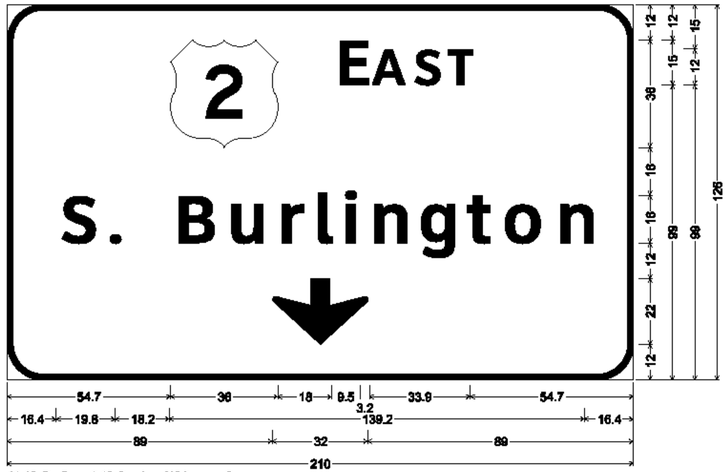
SIGN DETAIL SHEET 14

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 149 OF 174

MODEL: 14

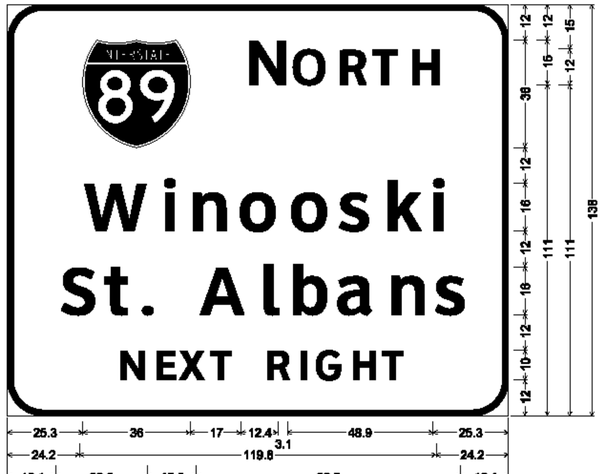
INT. 14
MM 0.010 (RAMP A) OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[E AST] ClearviewHwy-5-W; [S. Burlington] ClearviewHwy-5-W; Down Arrow 22.0" 270°;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

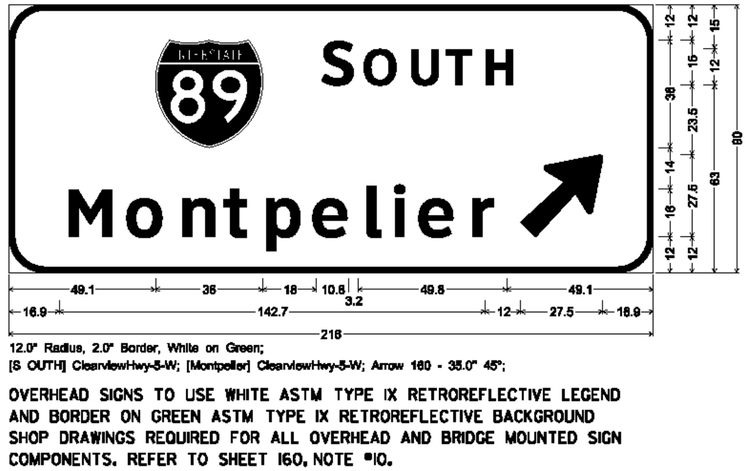
INT. 14
MM 0.010 (RAMP A) OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[N ORTH] ClearviewHwy-5-W; [Winooski] ClearviewHwy-5-W;
[St. Albans] ClearviewHwy-5-W; [NEXT RIGHT] ClearviewHwy-5-W;

OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

INT. 14
MM 0.010 (RAMP A) OVERHEAD



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] ClearviewHwy-5-W; [Montpelier] ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;

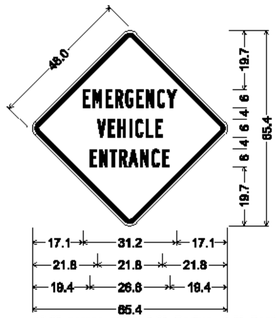
OVERHEAD SIGNS TO USE WHITE ASTM TYPE IX RETROREFLECTIVE LEGEND AND BORDER ON GREEN ASTM TYPE IX RETROREFLECTIVE BACKGROUND SHOP DRAWINGS REQUIRED FOR ALL OVERHEAD AND BRIDGE MOUNTED SIGN COMPONENTS. REFER TO SHEET 160, NOTE #10.

SIGN DETAIL SHEET 15

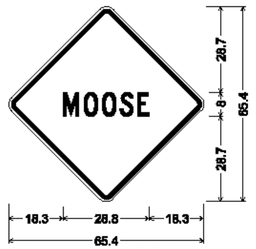
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 150 OF 174

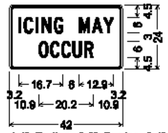
MODEL: 15



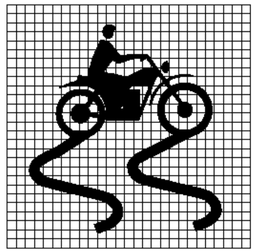
48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[EMERGENCY] B 2K;
[VEHICLE] B 2K;
[ENTRANCE] B 2K;

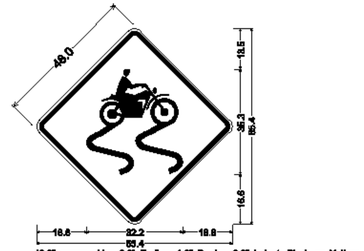


48.0" across sides 3.0" Radius, 1.2" Border, 0.8" Indent, Black on Yellow;
[MOOSE] C 2K;

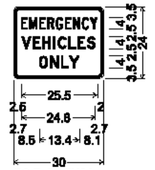


1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[ICING MAY] C 2K;
[OCCUR] C 2K 70% spacing;

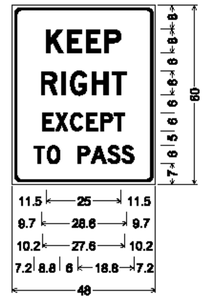




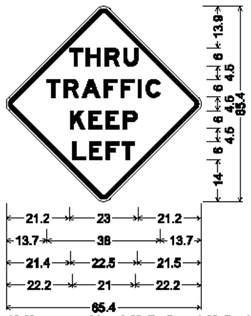
48.0" across sides 3.0" Radius, 1.2" Border, 0.8" Indent, Black on Yellow;
motorcycle;



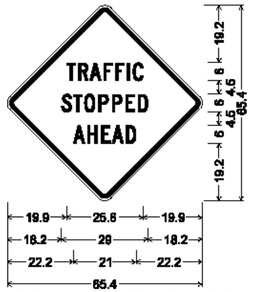
R8-7 EXPWY;
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
[EMERGENCY] C;
[VEHICLES] D;
[ONLY] D;



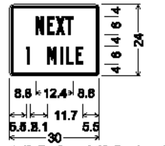
3.0" Radius, 0.9" Border, 0.8" Indent, Black on White;
[KEEP] D 2K;
[RIGHT] D 2K;
[EXCEPT] D 2K;
[TO PASS] D 2K;



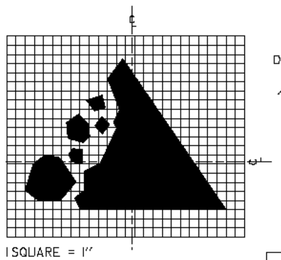
48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[THRU] E Mod specified length;
[TRAFFIC] E Mod specified length;
[KEEP] E Mod specified length;
[LEFT] E Mod specified length;

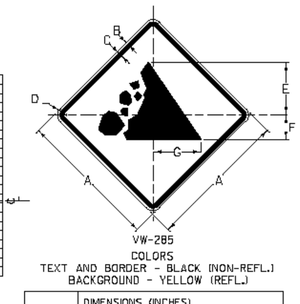


48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[TRAFFIC] C 2K;
[STOPPED] C 2K;
[AHEAD] C 2K;



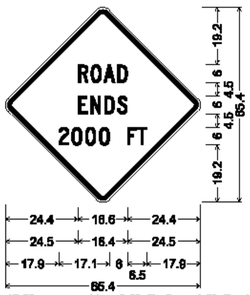
1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[1 MILE] B 2K;



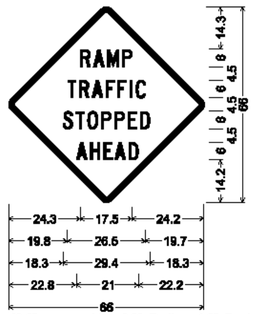


VW-285
COLORS
TEXT AND BORDER - BLACK (NON-REFL.)
BACKGROUND - YELLOW (REFL.)

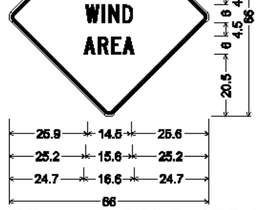
SIGN	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
STD.	30	1/2	3/4	1 1/2	11 1/4	5 1/4	10 3/16
SPECIAL	48	3/4	1 1/4	3	18	8 3/8	16 1/2



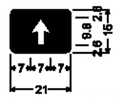
48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[ROAD] C 2K; [ENDS] C 2K;
[2000 FT] C 2K;



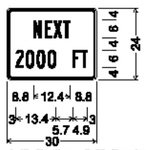
48.0" across sides 2.3" Radius, 1.3" Border, 0.8" Indent, Black on Yellow;
[RAMP] C; [TRAFFIC] C;
[STOPPED] C; [AHEAD] C;



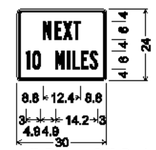
48.0" across sides 2.3" Radius, 0.9" Border, 0.6" Indent, Black on Yellow;
[HIGH] C 99% spacing;
[WIND] C 103% spacing;
[AREA] C 96% spacing;



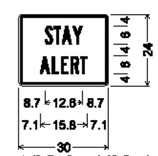
1.5" Radius, 0.6" Border, White on Blue;



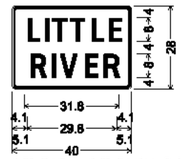
1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[2000 FT] B 2K specified length;



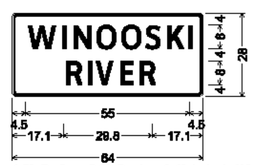
1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[NEXT] B 2K;
[10 MILES] B 2K specified length;



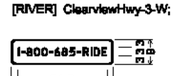
1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[STAY] B 2K;
[ALERT] B 2K;



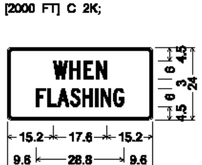
1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[LITTLE] Clearview-Hwy-3-W;
[RIVER] Clearview-Hwy-3-W;



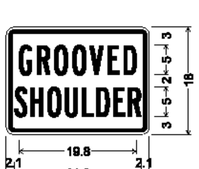
1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[WINOOSKI] Clearview-Hwy-3-W;
[RIVER] Clearview-Hwy-3-W;



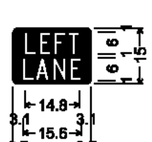
1.5" Radius, 0.6" Border, White on Green;
[1-800-686-RIDE] D;



1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[WHEN] C 2K;
[FLASHING] C 2K 70% spacing;



1.4" Radius, 0.6" Border, 0.4" Indent, Black on Yellow;
[GROOVED] B 2K;
[SHOULDER] B 2K 70% spacing;



1.5" Radius, 0.5" Border, White on Blue;
[LEFT] C;
[LANE] C;

1.5" Radius, 0.5" Border, White on Blue;
[WIFI] C specified length;

SIGN DETAIL SHEET 16

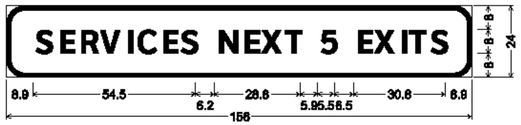
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 151 OF 174

MODEL: 16

6.0" Radius, 1.5" Border, White on Green;
[NEXT EXIT XX MILES] ClearviewHwy-4-W;

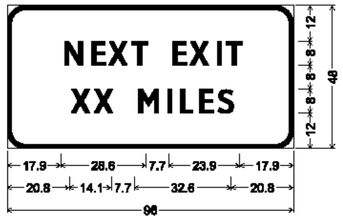


6.0" Radius, 1.5" Border, White on Blue;
[SERVICES NEXT 5 EXITS] ClearviewHwy-5-W 70% spacing;

8.0" Radius, 1.5" Border, White on Green;
[EXIT] ClearviewHwy-4-W;
[14E] ClearviewHwy-4-W;
Arrow 133 - 30.0° 45°;

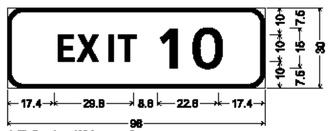
8.0" Radius, 1.5" Border, White on Green;
[EXIT] ClearviewHwy-4-W;
[10] ClearviewHwy-4-W;
Arrow 133 - 30.0° 45°;

10.0" Radius, 2.0" Border, White on Blue;
[PARKING] ClearviewHwy-3-W 75% spacing;
[AREA] ClearviewHwy-3-W;
Arrow 133 - 30.0° 45°;

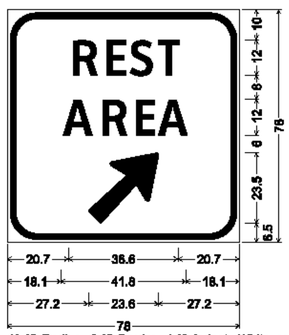


6.0" Radius, 1.5" Border, White on Green;
[NEXT EXIT] ClearviewHwy-4-W;
[XX MILES] ClearviewHwy-4-W;

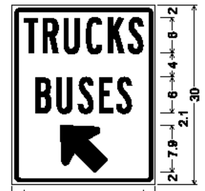
1.5" Border, White on Green;
[EXITS 14E-W] ClearviewHwy-4-W;



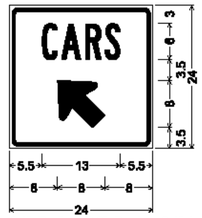
1.5" Border, White on Green;
[EXIT 10] ClearviewHwy-4-W;



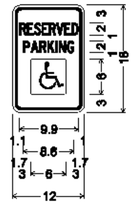
10.0" Radius, 2.0" Border, 1.0" Indent, White on Blue;
[REST] ClearviewHwy-3-W;
[AREA] ClearviewHwy-3-W;
Arrow 133 - 30.0° 45°;



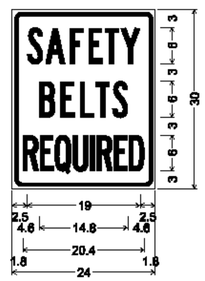
1.4" Radius, 0.6" Border, 0.4" Indent, White on Blue;
[TRUCKS] B 2K;
[BUSES] B 2K;
Standard Arrow Custom 9.7" X 8.6" 135°;



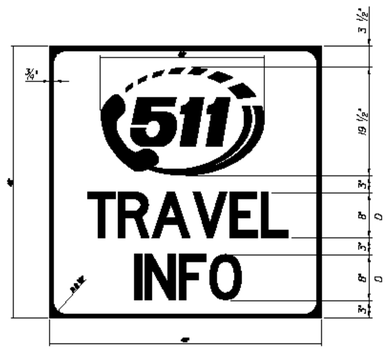
1.4" Radius, 0.6" Border, 0.4" Indent, White on Blue;
[CARS] B 2K;
Standard Arrow Custom 9.7" X 8.6" 135°;



1.4" Radius, 0.4" Border, 0.4" Indent, Green on White;
[RESERVED] C 2K 51% spacing;
[PARKING] C 2K 66% spacing;
Rounded Rectangle 0.5" Radius Blue;



1.6" Radius, 0.6" Border, 0.4" Indent, Black on White;
[SAFETY] B 2K;
[BELTS] B 2K;
[REQUIRED] B 2K 25% spacing;



VD-123

LEGEND: WHITE (RETROREFLECTIVE)

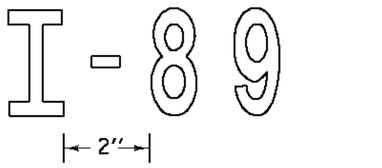
BACKGROUND: BLUE (RETROREFLECTIVE)

SIGN DETAIL SHEET 17

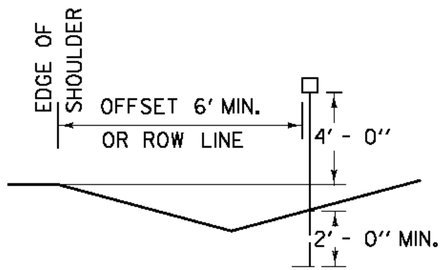
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 152 OF 174

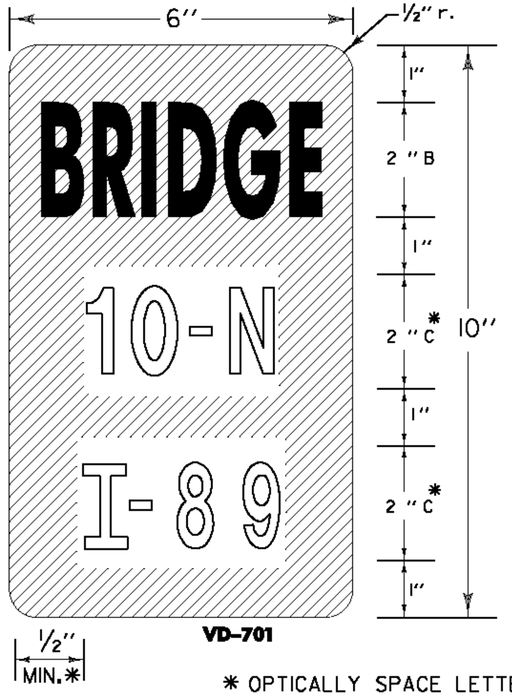
MODEL: 17



HYPHEN DETAIL



FOR EXAMPLE, ROUTE NUMBERS SHALL APPEAR AS: I-91, US5, VT22



VD-701

* OPTICALLY SPACE LETTERS AND NUMERALS AS NEEDED. SERIES B LETTERS MAY BE USED TO MAINTAIN VISUAL INTEGRITY.

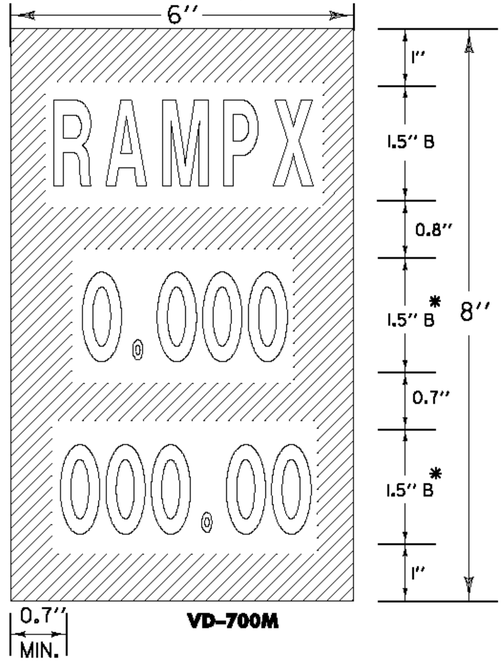
THE FOLLOWING BRIDGES REQUIRE BRIDGE PLAQUES.

MILE MARKER	ROUTE	PLAQUE	CROSSING FEATURE
NORTHBOUND			
61.015	I-89-N	45-5	BROOK
62.429	I-89-N	45-6	LAND ACCESS ROAD
63.532	I-89-N	46N	I 89 OVER TH 2 & BRK
63.763	I-89-N	47	I 89 UNDER VT 100
63.952	I-89-N	47-1	WATER MAIN SLEEVE
65.244	I-89-N	48N	LITTLE RIVER
65.374	I-89-N	49N	I 89 OVER TH NO 7
66.644	I-89-N	50N	I 89 OVER US 2
68.752	I-89-N	50-4	JONAH BRK
69.352	I-89-N	50-5	BROOK
70.582	I-89-N	51N	I 89 OVER US2&JOINER BK
73.044	I-89-N	51-4N	DUCK BROOK
73.086	I-89-N	51-5N	LAND ACCESS ROAD
73.550	I-89-N	52N	I 89 OVER TH NO 14
73.571	I-89-N	52-1	BROOK
73.996	I-89-N	53N	I 89 OVER US 2
74.589	I-89-N	53-1	BROOK
76.240	I-89-N	54	I 89 UNDER US 2
77.098	I-89-N	55N	I 89 OVER TH NO 4
77.403	I-89-N	55-1	BROOK
78.410	I-89-N	56N	I 89 OVER US 2
78.535	I-89-N	57N	I 89 OVER NECRR & BROOK
78.719	I-89-N	58N	I 89 OVER WIN. RIV.+TH16
78.977	I-89-N	59N	I 89 OVER TH NO 8
79.486	I-89-N	59-1	LAND ACCESS ROAD
79.519	I-89-N	59-2	BROOK
81.372	I-89-N	59-4N	BROOK
83.958	I-89-N	61N	I 89 OVER VT 2A
84.764	I-89-N	61-3	BROOK
84.991	I-89-N	63N	MUDDY BROOK
85.670	I-89-N	63-1N	BROOK
86.727	I-89-N	64-1N	BROOK
87.205	I-89-N	65N	I 89 OVER DORSET ST
87.327	I-89-N	65-2	POTASH BROOK
87.394	I-89-N	66N	I 89 OVER EB I189
87.488	I-89-N	67	I 89 UNDER I 189 WB
88.106	I-89-N	67-1	POTASH BROOK TRIBUTARY
88.508	I-89-N	67-2	MANHOLE COVER WATER MAIN
88.735	I-89-N	68	I 89 UNDER US 2
89.121	I-89-N	68-1	BROOK
89.442	I-89-N	69	I 89 UNDER PATCHEN RD
89.636	I-89-N	69-1	BROOK
90.008	I-89-N	70N	WINOOSKI RIVER
90.289	I-89-N	71N	I 89 OVER NECRR
90.475	I-89-N	72N	I 89 OVER VT 15
90.615	I-89-N	73N	I 89 OVER LAFOUNTAIN
90.699	I-89-N	73-1	MANHOLE COVER WATER MAIN
MILE MARKER	ROUTE	PLAQUE	CROSSING FEATURE
SOUTHBOUND			
63.532	I-89-S	46S	I 89 OVER TH 2 & BRK
65.244	I-89-S	48S	LITTLE RIVER
65.374	I-89-S	49S	I 89 OVER TH NO 7
66.644	I-89-S	50S	I 89 OVER US 2
70.478	I-89-S	51S	I 89 OVER US2&JOINER BK
73.044	I-89-S	51-4S	DUCK BROOK
73.086	I-89-S	51-5S	LAND ACCESS ROAD
73.550	I-89-S	52S	I 89 OVER TH NO 14
73.996	I-89-S	53S	I 89 OVER US 2
74.589	I-89-S	53-3	I 89 OVER TH NO 4
77.098	I-89-S	55S	I 89 OVER TH NO 4
78.410	I-89-S	56S	I 89 OVER US 2
78.535	I-89-S	57S	I 89 OVER NECRR & BROOK
78.719	I-89-S	58S	I 89 OVER WIN.R&TH 16
78.977	I-89-S	59S	I 89 OVER TH NO 8
81.325	I-89-S	59-4S	BROOK
81.735	I-89-S	60	I 89 UNDER TH NO 1
83.958	I-89-S	61S	I 89 OVER VT 2A
84.778	I-89-S	62	I 89 UNDER TH NO 3
84.991	I-89-S	63S	MUDDY BROOK
85.656	I-89-S	63-1S	BROOK
86.170	I-89-S	64	I 89 UNDER VT 116
86.681	I-89-S	64-1S	BROOK
87.214	I-89-S	65S	I 89 OVER DORSET ST
87.394	I-89-S	66S	I 89 OVER EB I189
89.218	I-89-S	68-2	BROOK
90.008	I-89-S	70S	WINOOSKI RIVER
90.289	I-89-S	71S	I 89 OVER NECRR
90.475	I-89-S	72S	I 89 OVER VT 15
90.615	I-89-S	73S	I 89 OVER LAFOUNTAIN
MILE MARKER	ROUTE	PLAQUE	CROSSING FEATURE
EXIT 11- U.S. 2			
1.256 WEST	US 2	27	BROOK
1.245 EAST	US 2	27	BROOK

THE FOLLOWING RAMPS REQUIRE MILE MARKER PLAQUES.

I-89 Ramp Milemarker Information			
EXIT	RAMP	Mainline MM	RAMP Length
10	A	63.423	0.106
	C	63.697	0.189
	D	63.855	0.173
	E	63.690	0.183
	F	64.038	0.213
	G	n/a	0.058
	H	63.895	0.195
11	A	78.157	0.362
	B	78.146	0.116
	C	78.371	0.342
	D	78.474	0.232
12	A	83.690	0.256
	B	83.689	0.274
	C	84.162	0.191
	D	84.162	0.208
13	A	87.214	0.254
	B	87.668	0.220
	C	87.508	0.258
	D	87.725	0.385
14	A	88.473	0.337
	B	88.720	0.252
	C	88.975	0.287
	D	88.758	0.229
	E	88.682	0.187
	F	88.511	0.250
	G	88.796	0.206
	H	88.947	0.255
15	A	90.336	0.166
	B	90.307	0.162

FOR EXAMPLE, RAMP IDENTIFICATION SHALL APPEAR AS: RAMPA, RAMPB



VD-700M

NOTES:

GENERAL:
OUTLINED LETTERS AND NUMERALS INDICATE TEXT THAT VARIES.

MATERIAL:
THE SIGN BASE MATERIAL SHALL BE 0.040 INCH FLAT SHEET ALUMINUM.

COLORS:
THE SIGN SHALL HAVE A RETROREFLECTORIZED WHITE TEXT ON RETROREFLECTORIZED GREEN BACKROUND. THE COLORS SHALL CONFORM WITH THOSE FOUND IN STANDARD COLOR TOLERANCE CHARTS AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

RETROREFLECTVITY WILL BE EQUAL TO OR EXCEEDING ASTM TYPE III.

LETTERING:
LETTERS AND DIGITS SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AS PRINTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

POSTS:
1¾ INCH SQUARE STEEL POST WITH 2 INCH ANCHOR SHALL BE USED.
POST SHALL BE A MINIUM OF 8 FEET.

NOT TO SCALE

SIGN DETAIL SHEET 18

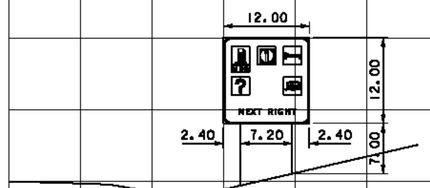
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018signdet.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 153 OF 174

MODEL: 18

M.M. 63.040 NB

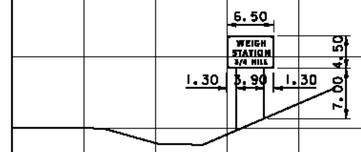
EDGELINE



LT. POST - 20.7 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

M.M. 64.975 NB

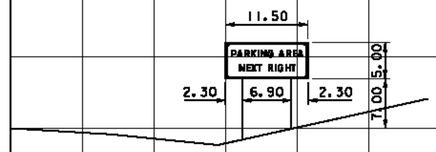
EDGELINE



LT. POST - 13.2 FT
MID POST -
MID POST -
RT. POST - 11.5 FT

M.M. 65.510 NB

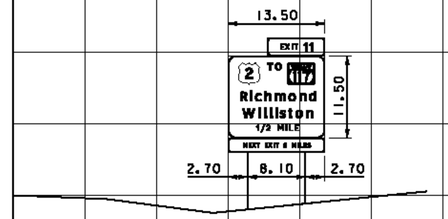
EDGELINE



LT. POST - 13.5 FT
MID POST -
MID POST -
RT. POST - 12.0 FT

M.M. 77.695 NB

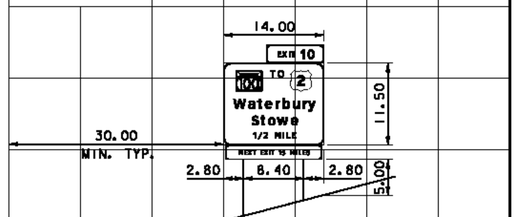
EDGELINE



LT. POST - 21.5 FT
MID POST -
MID POST -
RT. POST - 20.7 FT

M.M. 62.890 NB

EDGELINE

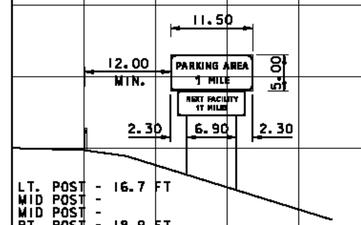


LT. POST - 21.3 FT
MID POST -
MID POST -
RT. POST - 19.2 FT

M.M. 64.740 NB

CABLE GUARDRAIL

EDGELINE

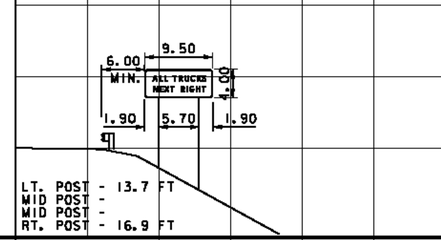


LT. POST - 16.7 FT
MID POST -
MID POST -
RT. POST - 18.9 FT

M.M. 65.353 NB

STEEL BEAM GUARDRAIL

EDGELINE

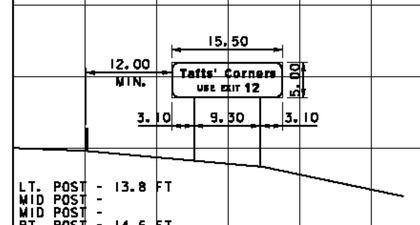


LT. POST - 13.7 FT
MID POST -
MID POST -
RT. POST - 16.9 FT

M.M. 77.405 NB

CABLE GUARDRAIL

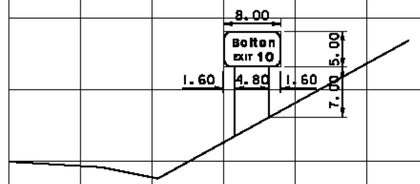
EDGELINE



LT. POST - 13.8 FT
MID POST -
MID POST -
RT. POST - 14.6 FT

M.M. 62.535 NB

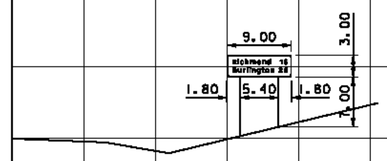
EDGELINE



LT. POST - 14.6 FT
MID POST -
MID POST -
RT. POST - 12.0 FT

M.M. 64.590 NB

EDGELINE

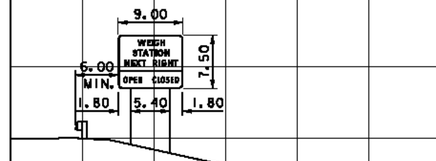


LT. POST - 11.3 FT
MID POST -
MID POST -
RT. POST - 10.0 FT

M.M. 65.195 NB

STEEL BEAM GUARDRAIL

EDGELINE



LT. POST - 15.3 FT
MID POST -
MID POST -
RT. POST - 16.5 FT

M.M. 77.120 NB

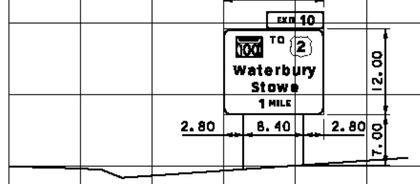
STEEL BEAM GUARDRAIL

EDGELINE

LT. POST - 19.5 FT
MID POST -
MID POST -
RT. POST - 20.4 FT

M.M. 62.165 NB

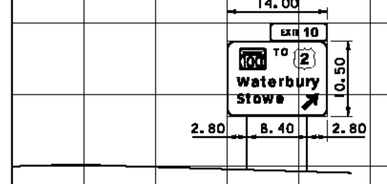
EDGELINE



LT. POST - 19.6 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

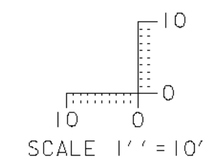
M.M. 63.325 NB

EDGELINE



LT. POST - 18.0 FT
MID POST -
MID POST -
RT. POST - 18.2 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 1

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

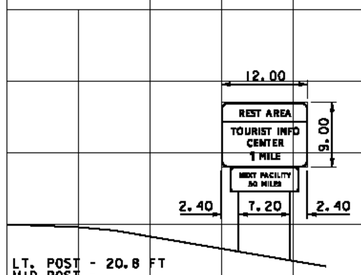
FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 154 OF 174

MODEL: 01

M.M. 81.070 NB

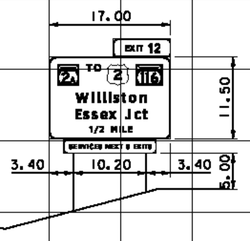
EDGELINE



LT. POST - 20.8 FT
MID POST -
MID POST -
RT. POST - 22.0 FT

M.M. 83.260 NB

EDGELINE

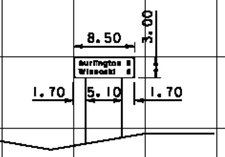


LT. POST - 21.5 FT
MID POST -
MID POST -
RT. POST - 18.9 FT

M.M. 84.705 NB

STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED.

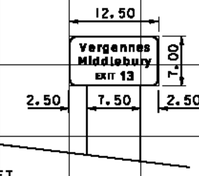
EDGELINE



LT. POST - 12.1 FT
MID POST -
MID POST -
RT. POST - 11.3 FT

M.M. 86.775 NB

EDGELINE

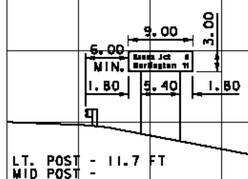


LT. POST - 16.6 FT
MID POST -
MID POST -
RT. POST - 17.5 FT

M.M. 79.070 NB

STEEL BEAM GUARDRAIL

EDGELINE

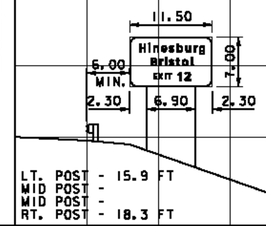


LT. POST - 11.7 FT
MID POST -
MID POST -
RT. POST - 12.7 FT

M.M. 83.010 NB

STEEL BEAM GUARDRAIL

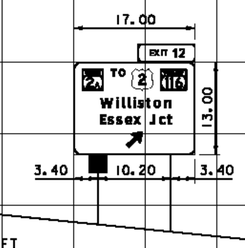
EDGELINE



LT. POST - 15.9 FT
MID POST -
MID POST -
RT. POST - 18.3 FT

M.M. 83.600 NB

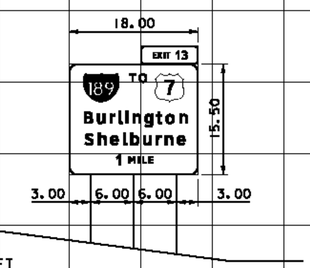
EDGELINE



LT. POST - 22.7 FT
MID POST -
MID POST -
RT. POST - 23.7 FT

M.M. 86.450 NB

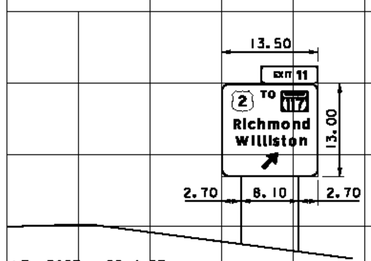
EDGELINE



LT. POST - 25.0 FT
MID POST - 25.8 FT
MID POST -
RT. POST - 26.6 FT

M.M. 78.125 NB

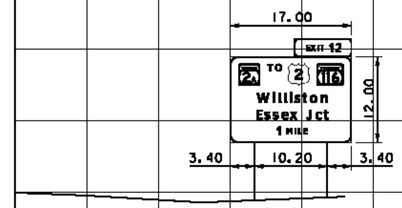
EDGELINE



LT. POST - 22.4 FT
MID POST -
MID POST -
RT. POST - 23.5 FT

M.M. 82.780 NB

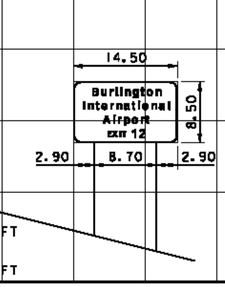
EDGELINE



LT. POST - 20.1 FT
MID POST -
MID POST -
RT. POST - 19.7 FT

M.M. 83.410 NB

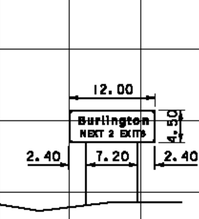
EDGELINE



LT. POST - 21.5 FT
MID POST -
MID POST -
RT. POST - 23.7 FT

M.M. 85.740 NB

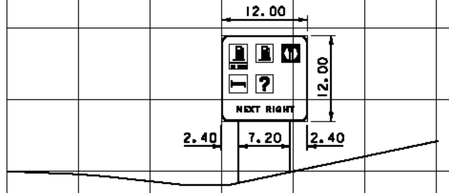
EDGELINE



LT. POST - 13.3 FT
MID POST -
MID POST -
RT. POST - 12.9 FT

M.M. 77.850 NB

EDGELINE

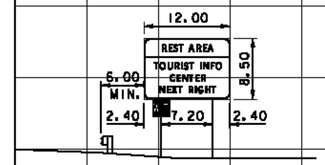


LT. POST - 20.6 FT
MID POST -
MID POST -
RT. POST - 19.1 FT

M.M. 81.724 NB

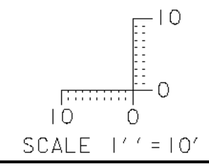
STEEL BEAM GUARDRAIL

EDGELINE



LT. POST - 16.6 FT
MID POST -
MID POST -
RT. POST - 16.7 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 2

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

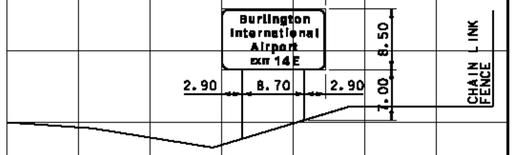
FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 155 OF 174

MODEL: 02

M.M. 88.150 NB

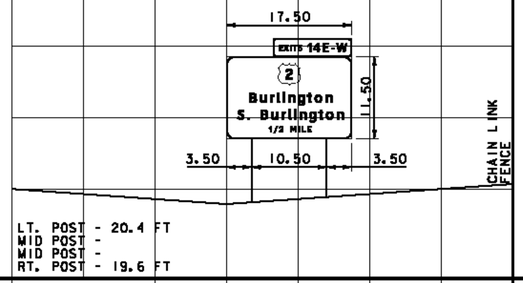
EDGELINE



LT. POST - 18.1 FT
MID POST -
MID POST -
RT. POST - 15.5 FT

M.M. 88.000 NB

EDGELINE

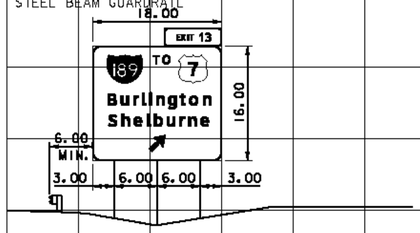


LT. POST - 20.4 FT
MID POST -
MID POST -
RT. POST - 19.6 FT

M.M. 87.430 NB

STEEL BEAM GUARDRAIL

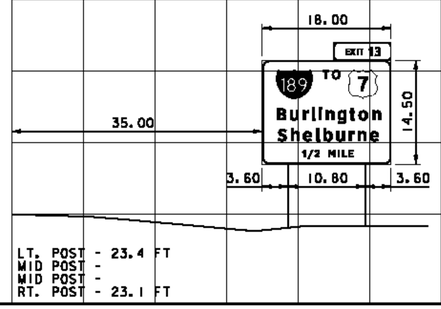
EDGELINE



LT. POST - 24.1 FT
MID POST - 25.0 FT
MID POST -
RT. POST - 24.1 FT

M.M. 86.985 NB

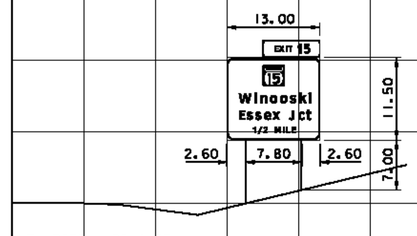
EDGELINE



LT. POST - 23.4 FT
MID POST -
MID POST -
RT. POST - 23.1 FT

M.M. 89.665 NB

EDGELINE

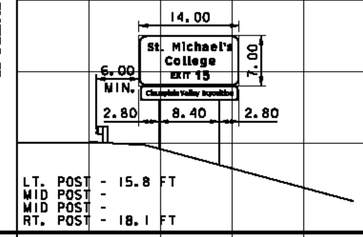


LT. POST - 20.4 FT
MID POST -
MID POST -
RT. POST - 18.5 FT

M.M. 89.460 NB

STEEL BEAM GUARDRAIL

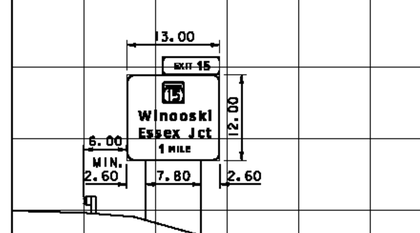
EDGELINE



LT. POST - 15.8 FT
MID POST -
MID POST -
RT. POST - 18.1 FT

M.M. 89.300 NB

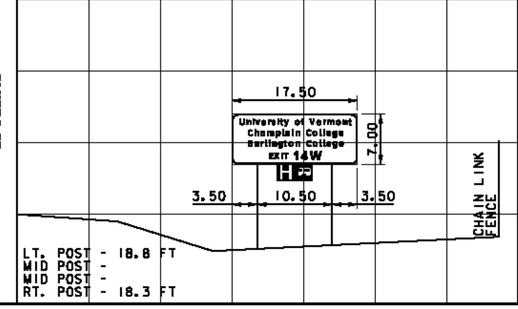
EDGELINE



LT. POST - 20.3 FT
MID POST -
MID POST -
RT. POST - 22.5 FT

M.M. 88.300 NB

EDGELINE

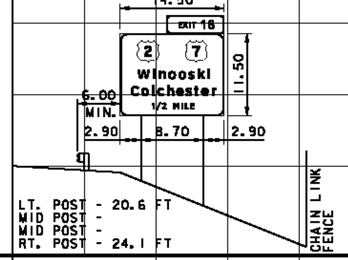


LT. POST - 18.8 FT
MID POST -
MID POST -
RT. POST - 18.3 FT

M.M. 90.735 NB

STEEL BEAM GUARDRAIL

EDGELINE

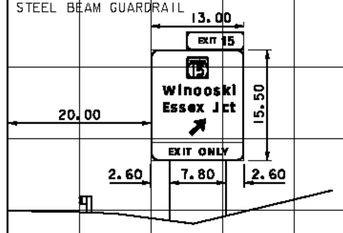


LT. POST - 20.6 FT
MID POST -
MID POST -
RT. POST - 24.1 FT

M.M. 89.815 NB

STEEL BEAM GUARDRAIL

EDGELINE

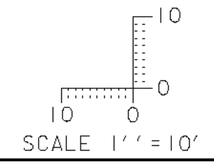


LT. POST - 23.9 FT
MID POST -
MID POST -
RT. POST - 23.2 FT

EDGELINE

EDGELINE

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 3

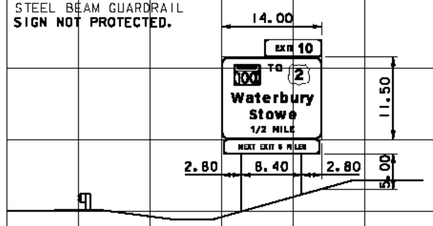
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 156 OF 174

MODEL: 03

M.M. 64.520 SB

STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED.

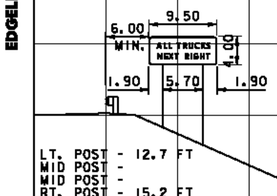


EDGELINE

LT. POST - 21.6 FT
MID POST -
MID POST -
RT. POST - 19.2 FT

M.M. 67.520 SB

STEEL BEAM GUARDRAIL

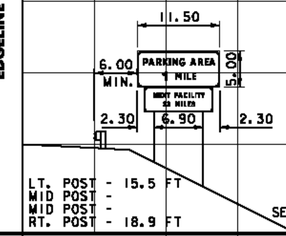


EDGELINE

LT. POST - 12.7 FT
MID POST -
MID POST -
RT. POST - 15.2 FT

M.M. 68.090 SB

STEEL BEAM GUARDRAIL



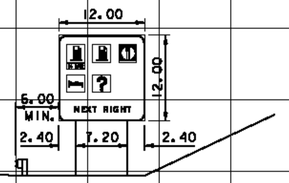
EDGELINE

LT. POST - 15.5 FT
MID POST -
MID POST -
RT. POST - 18.9 FT

SEE FOOTING DETAIL ON SHEET 3

M.M. 78.815 SB

STEEL BEAM GUARDRAIL
SIGN NOT PROTECTED. EXTEND GUARD RAIL.

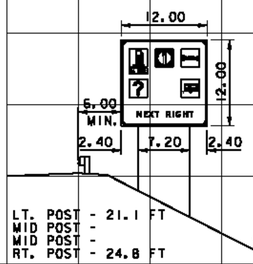


EDGELINE

LT. POST - 19.6 FT
MID POST -
MID POST -
RT. POST - 19.6 FT

M.M. 64.300 SB

STEEL BEAM GUARDRAIL

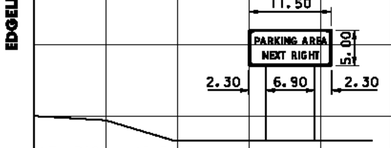


EDGELINE

LT. POST - 21.1 FT
MID POST -
MID POST -
RT. POST - 24.8 FT

SEE FOOTING DETAIL ON SHEET 3

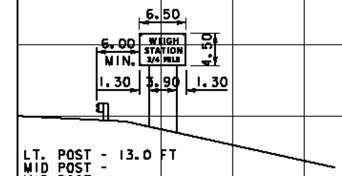
M.M. 67.120 SB



EDGELINE

LT. POST - 15.5 FT
MID POST -
MID POST -
RT. POST - 15.5 FT

M.M. 67.834 SB

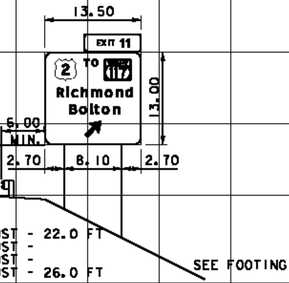


EDGELINE

LT. POST - 13.0 FT
MID POST -
MID POST -
RT. POST - 13.8 FT

M.M. 78.630 SB

STEEL BEAM GUARDRAIL



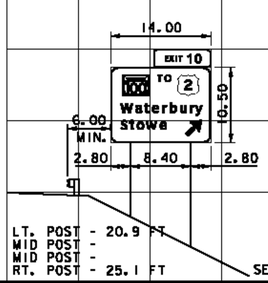
EDGELINE

LT. POST - 22.0 FT
MID POST -
MID POST -
RT. POST - 26.0 FT

SEE FOOTING DETAIL ON SHEET 3

M.M. 64.100 SB

STEEL BEAM GUARDRAIL

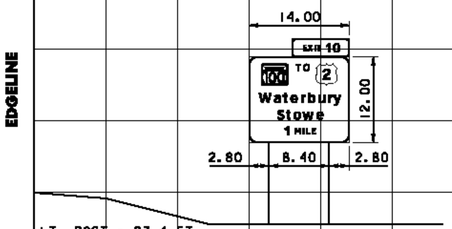


EDGELINE

LT. POST - 20.9 FT
MID POST -
MID POST -
RT. POST - 25.1 FT

SEE FOOTING DETAIL ON SHEET 3

M.M. 64.970 SB

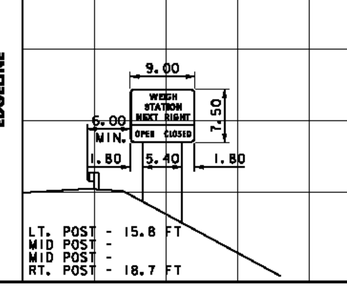


EDGELINE

LT. POST - 23.4 FT
MID POST -
MID POST -
RT. POST - 23.4 FT

M.M. 67.670 SB

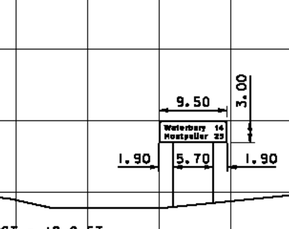
STEEL BEAM GUARDRAIL



EDGELINE

LT. POST - 15.8 FT
MID POST -
MID POST -
RT. POST - 18.7 FT

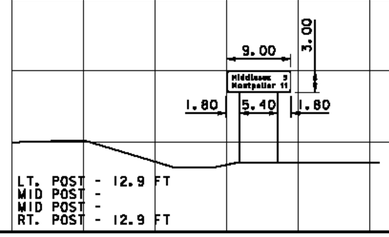
M.M. 77.340 SB



EDGELINE

LT. POST - 12.0 FT
MID POST -
MID POST -
RT. POST - 11.4 FT

M.M. 63.025 SB

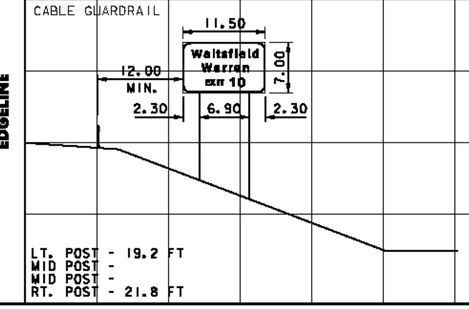


EDGELINE

LT. POST - 12.9 FT
MID POST -
MID POST -
RT. POST - 12.9 FT

M.M. 64.750 SB

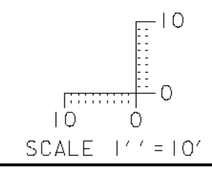
CABLE GUARDRAIL



EDGELINE

LT. POST - 19.2 FT
MID POST -
MID POST -
RT. POST - 21.8 FT

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 4

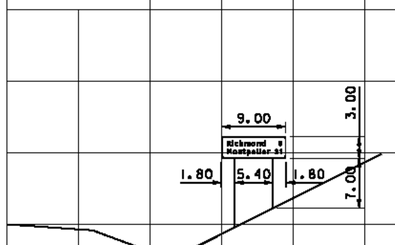
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 157 OF 174

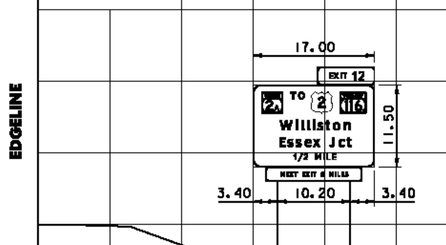
MODEL: 04

M.M. 83.040 SB



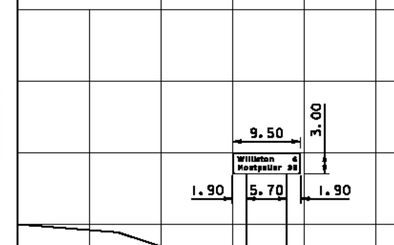
LT. POST - 12.7 FT
MID POST -
MID POST -
RT. POST - 10.0 FT

M.M. 84.650 SB



LT. POST - 25.3 FT
MID POST -
MID POST -
RT. POST - 25.3 FT

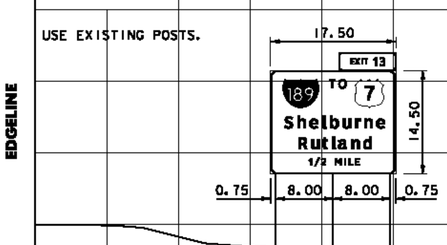
M.M. 86.540 SB



LT. POST - 14.9 FT
MID POST -
MID POST -
RT. POST - 14.9 FT

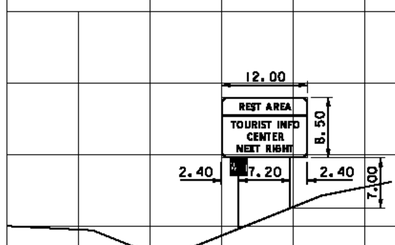
M.M. 88.310 SB

USE EXISTING POSTS.



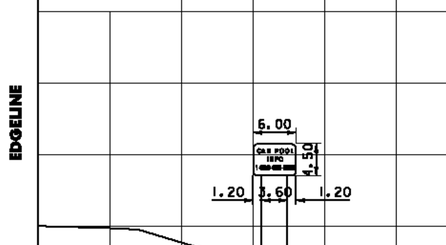
LT. POST - 25.0 FT
MID POST - 25.6 FT
MID POST -
RT. POST - 26.2 FT

M.M. 82.580 SB



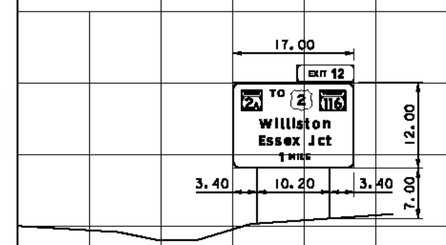
LT. POST - 18.4 FT
MID POST -
MID POST -
RT. POST - 15.5 FT

M.M. 84.500 SB



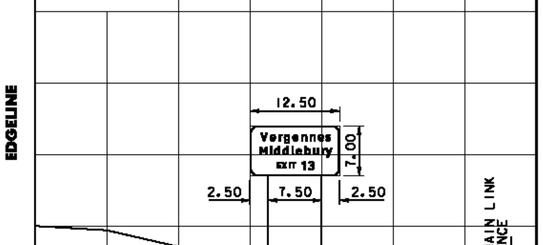
LT. POST - 16.0 FT
MID POST -
MID POST -
RT. POST - 16.4 FT

M.M. 85.240 SB



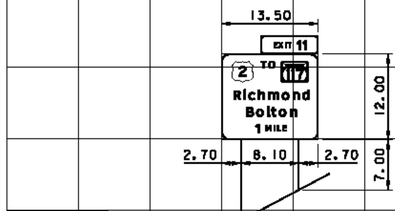
LT. POST - 19.7 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

M.M. 87.960 SB



LT. POST - 19.5 FT
MID POST -
MID POST -
RT. POST - 19.5 FT

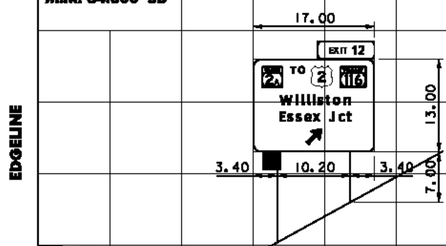
M.M. 79.520 SB



LT. POST - 23.3 FT
MID POST -
MID POST -
RT. POST - 19.0 FT

SEE FOOTING DETAIL ON SHEET 3

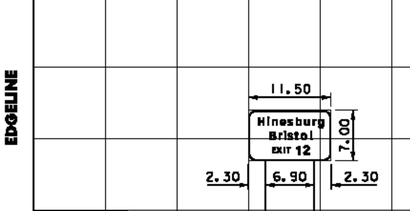
M.M. 84.300 SB



LT. POST - 25.6 FT
MID POST -
MID POST -
RT. POST - 20.0 FT

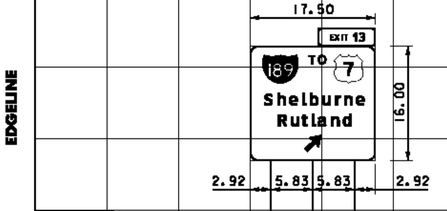
SEE FOOTING DETAIL ON SHEET 3

M.M. 84.890 SB



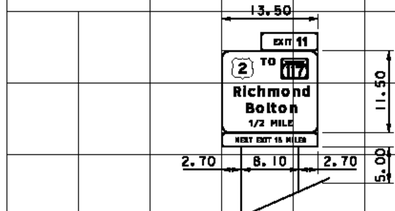
LT. POST - 16.1 FT
MID POST -
MID POST -
RT. POST - 16.1 FT

M.M. 87.730 SB



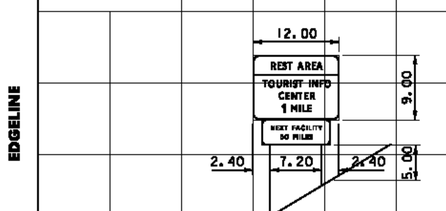
LT. POST - 28.0 FT
MID POST - 29.2 FT
MID POST -
RT. POST - 29.2 FT

M.M. 79.050 SB



LT. POST - 23.2 FT
MID POST -
MID POST -
RT. POST - 19.7 FT

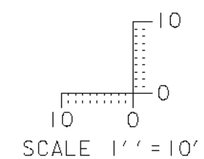
M.M. 83.200 SB



LT. POST - 22.5 FT
MID POST -
MID POST -
RT. POST - 18.2 FT

SEE FOOTING DETAIL ON SHEET 3

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 5

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

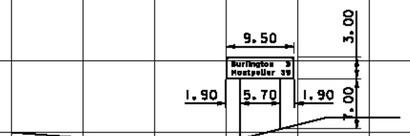
FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 158 OF 174

MODEL: 05

EDGELINE

M.M. 90.770 SB

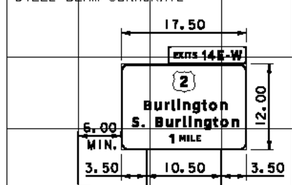


LT. POST - 11.4 FT
MID POST -
MID POST -
RT. POST - 10.0 FT

EDGELINE

M.M. 89.780 SB

STEEL BEAM GUARDRAIL

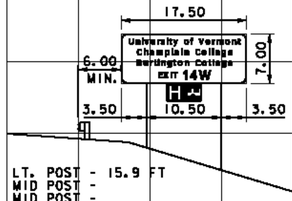


LT. POST - 20.5 FT
MID POST -
MID POST -
RT. POST - 22.4 FT

EDGELINE

M.M. 89.570 SB

STEEL BEAM GUARDRAIL

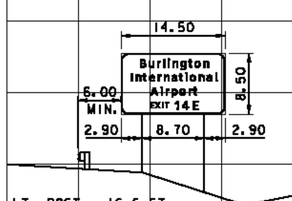


LT. POST - 15.9 FT
MID POST -
MID POST -
RT. POST - 19.1 FT

EDGELINE

M.M. 89.150 SB

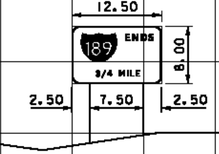
STEEL BEAM GUARDRAIL



LT. POST - 16.6 FT
MID POST -
MID POST -
RT. POST - 19.4 FT

EDGELINE

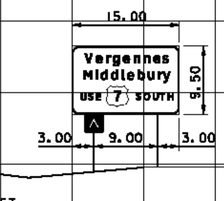
I-189
M.M. 0.600 EB



LT. POST - 16.3 FT
MID POST -
MID POST -
RT. POST - 15.2 FT

EDGELINE

I-189
M.M. 0.770 WB



LT. POST - 17.5 FT
MID POST -
MID POST -
RT. POST - 16.9 FT

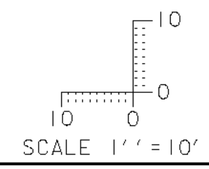
EDGELINE

EDGELINE

EDGELINE

EDGELINE

DIMENSIONS FOR CRITICAL OFFSETS OR CLEARANCES SHOWN FOR CONVENIENCE, REFER TO STANDARD SHEET E-120 FOR PLACEMENT GUIDELINES.



CROSS SECTION SHEET 6

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018xs.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 159 OF 174

MODEL: 06

GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S ''STANDARD SPECIFICATIONS FOR CONSTRUCTION'', DATED 2006, WITH CURRENT MODIFICATIONS.

2. OVERHEAD SIGN/SIGNAL SUPPORTS SHALL CONFORM TO AASHTO'S PUBLICATION ENTITLED ''STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS'', DATED 2009 OR ITS LATEST REVISION.

3. ADDITIONAL DESIGN CRITERIA ARE AS FOLLOWS:

   CONCRETE f_c = 1400 PSI f'_c = 3500 PSI
   REINFORCING f_s = 24000 PSI (GRADE 60)
   FOOTING SOIL PRESSURE : 3000 PSF (MAXIMUM)

   WIND LOAD AND ICE LOAD PER AASHTO ''STANDARD SPECIFICATIONS''

4. ANCHOR BOLTS

   FOUR STAINLESS STEEL ANCHOR BOLTS WITH TWO HEXAGON NUTS, ONE WASHER AND ONE LOCK WASHER PER BOLT SHALL BE FURNISHED WITH EACH POLE. ANCHOR BOLT PLATES, WHEN USED, SHALL ALSO BE STAINLESS STEEL. SEE SUB-SECTION 714.09.

5. FLANGE BOLTS

   ALL FLANGE BOLTS AND HEX NUTS SHALL BE HIGH STRENGTH STEEL AND SHALL CONFORM TO ASTM A325. THE FLANGE BOLTS SHALL BE CAPABLE OF RESISTING 133% OF THE FULL DESIGN STRESS OF THE TUBE AT ITS YIELD STRENGTH STRESS.

6. HORIZONTAL AND VERTICAL MEMBERS

   STEEL TUBES SHALL BE FORMED AND WELDED WITH ONE CONTINUOUS LONGITUDINAL WELD ONLY. AFTER FORMING AND WELDING THEY SHALL BE COLD ROLLED TO ENSURE UNIFORMITY OF SIZE AND SMOOTHNESS OF WELD. THEY SHALL HAVE A MINIMUM YIELD STRENGTH OF 48,000 PSI. THERE SHALL BE NO TRANSVERSE WELDING EXCEPT AT THE FLANGE CONNECTIONS AND POLE BASE PLATES. WHERE THE TUBES SHALL TELESCOPE THE FLANGES AND PLATES AND BE CONTINUOUSLY WELDED BOTH SIDES INSIDE AND OUT TO WITHSTAND THE FULL TRANSFER OF THE BENDING STRENGTH TO THE BOLTS

7. GALVANIZING

   ALL STEEL COMPONENTS, EXCEPT CONCRETE REINFORCING AND STAINLESS STEEL HARDWARE, ARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. THE ASSEMBLIES SHALL BE DESIGNED AND FABRICATED TO PERMIT GALVANIZING ON ALL INTERIOR AND EXTERIOR SURFACES AND SHALL BE FREE OF POCKETS AND OTHER STRUCTURAL OBSTRUCTIONS THAT WILL NOT PERMIT PROPER DEPOSITION OF ZINC COATING. GALVANIZING SHALL BE IN ACCORDANCE WITH ASTM A123 AND A153.

8. WELDING

   A. ALL DESIGN DETAILS, WORKMANSHIP, PROCEDURES AND INSPECTION SHALL CONFORM WITH SUB-SECTION 506.10.

   B. ALL WELDS SHALL BE AT LEAST AS STRONG AS THE MATERIAL(S) BEING WELDED.

9. FOOTINGS

   A. FOOTINGS SHALL BE DESIGNED TO RESIST LOADS EQUAL TO, OR GREATER THAN, THE MAXIMUM LOADS THAT THE POLE IS DESIGNED FOR.

   B. THREE TYPES OF FOUNDATIONS, AS OUTLINED IN AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2) SECTION 1.8.2 (C) SHALL BE ALLOWED.

      1. DRILLED SHAFTS
      2. SPREAD FOOTINGS AND
      3. PILES.

   C. DRILLED SHAFT FOOTINGS SHALL BE POURED IN DRILLED SHAFTS AGAINST UNDISTURBED MATERIAL. THE TOP TWO FEET OF SOIL SHALL BE NEGLECTED FOR DESIGN PURPOSES.

   D. THE FOLLOWING DESIGN CRITERIA SHALL BE USED:

      1. ASSUME FRICTION ANGLE OF 30 DEGREES FOR ALL SOILS.
      2. DESIGN EMBEDMENT DEPTH IN ACCORDANCE WITH BROM'S METHOD (SECTION 13.6.1.1 AASHTO 'STANDARD SPECIFICATIONS') WITH 0.7 FOR UNDER CAPACITY FACTOR AND 2.5 FOR OVERLOAD FACTOR (OVERALL FACTOR OF SAFETY OF 3.5).
      3. ASSUME EFFECTIVE UNIT WEIGHT OF 48 PCF FOR ALL SOILS EXCEPT LOOSE SILTS AND SOFT CLAYS. IF LOOSE SILTS OR SOFT CLAYS ARE ENCOUNTERED, PLEASE CONTACT BRUCE NYQUIST, P.E., VTRANS TRAFFIC AND SAFETY ENGINEER AT (802) 828-2437.

   E. AS AN ALTERNATIVE TO THE DRILLED HOLES, FOOTINGS MAY BE POURED IN EXCAVATED HOLES USING THE PROPER FORMS, WHICH MUST BE REMOVED. THE EXCAVATED HOLES SHALL BE AT LEAST TWO FEET CLEAR OF THE FOOTING SIDES AND ONE FOOT DEEPER THAN THE FOOTING. CARE SHALL BE TAKEN TO AVOID EXCAVATING AROUND THE TOP OF THE FOOTING. THE BACKFILL MATERIAL SHALL BE COMPACTED AS DESCRIBED IN SUB-SECTION 204.08. DESIGN LIMITS AS FOR AUGERED FOOTING APPLY.

   F. WHEN THE DESIGN DEPTH OF A FOOTING CANNOT BE OBTAINED DUE TO UNFORSEEN FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN A REVISED FOOTING DETAIL FROM THE ENGINEER.

   G. ANY BACKFILL PLACED ADJACENT TO THE FOOTING SHALL BE GRANULAR MATERIAL MEETING THE REQUIREMENTS FOR GRANULAR BACKFILL FOR STRUCTURES, SUB-SECTION 704.08. CONCRETE FOR FOOTING SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE, CLASS B, SECTION 501, STRUCTURAL CONCRETE. GROUT MATERIAL SHALL BE NON-SHRINKING MORTAR CONFORMING TO SUB-SECTION 707.03 (MORTAR TYPE IV).

   H. SIGNS SHALL BE INSTALLED AND LEVELED AND POLES SHALL BE PLUMB PRIOR TO PLACING GROUT UNDER POLE BASE.

10. SHOP DRAWINGS (6 COPIES OF EACH) SHALL BE SUBMITTED TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION, STRUCTURES DIVISION FOR APPROVAL PRIOR TO FABRICATION. THE SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING INFORMATION:

    A. DETAILED DRAWING OF EACH COMPONENT OF THE STRUCTURE.

    B. MATERIAL SPECIFICATION FOR EACH COMPONENT OF THE STRUCTURE, EITHER BY COMPLETE SPECIFICATION OR REFERENCE TO APPLICABLE ASTM STANDARDS.

    C. NOTATION OF PROJECT NAME, PROJECT NUMBER, ROUTE NUMBER, AND STRUCTURE STATIONING (TO BE INCLUDED ON EACH SHEET).

    D. DETAILS FOR LOCATION OF SIGNS/SIGNALS AND ATTACHMENT HARDWARE FOR THE SUPPORT STRUCTURE.

    E. ALL ELEVATIONS AND DIMENSIONS NECESSARY TO PROVIDE A COMPLETE SET OF RECORD PLANS.

    F. DEAD LOAD DEFLECTION AND CAMBER INFORMATION.

    G. WELDING DETAILS AND PROCEDURES ARE REQUIRED FOR ALL WELDS. PROCEDURES SHALL BE SUBMITTED FOR APPROVAL WITH REFERENCE TO EACH WELD IDENTIFIED ON THE SHOP DRAWINGS. (SEE SUB-SECTION 506.10)

11. EACH OVERHEAD TRAFFIC SIGN SUPPORT SHALL BE GROUNDED.
    THE GROUND SHALL CONSIST OF:
    A) AN INTERNAL GROUND LUG OPPOSITE THE HAND HOLE.
    B) A #6 (MIN.) SOFT DRAWN COPPER GROUNDING ELECTRODE CONDUCTOR.
    C) A 5/8'' X 8' (MIN.) COPPER CLAD GROUNDING ELECTRODE. THE RESISTANCE TO GROUND SHALL BE 25 OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES MAY BE REQUIRED (MINIMUM SPACING SHALL BE 6').
    WHEN A POWER SERVICE, METER AND DISCONNECT ARE ATTACHED TO A POLE, THERE SHALL BE A CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE METER AND DISCONNECT WHICH MAY RUN INTERNAL TO THE UPRIGHT, THROUGH THE 1/2'' FLEXIBLE TUBING IN THE CONCRETE BASE TO THE REQUIRED GROUNDING ELECTRODE(S). THE GROUNDING ELECTRODE CONDUCTOR FROM THE POLE GROUNDING LUG, CONTROLLER CABINET AND/OR LUMINAIRE MAY ATTACH TO THIS CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE SERVICE METER AND DISCONNECT. THE CONTRACTOR SHALL PERFORM A RESISTANCE TO GROUND TEST ON THE CONTINUOUS GROUNDING ELECTRODE CONDUCTOR FROM THE SERVICE METER AND DISCONNECT AND PROVIDE A WRITTEN STATEMENT TO THE AREA ELECTRICAL INSPECTOR THAT THE GROUNDING ELECTRODE CONDUCTOR IS CONTINUOUS FROM THE SERVICE METER AND DISCONNECT AND THE RESISTANCE TO GROUND IS 25 OHMS OR LESS.

12. THE COST OF SIGN SUPPORTS, INCLUDING ALL HARDWARE, SIGN BRACKETS, FOOTINGS AND LUMINAIRE ARMS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 677.13, THESE COMPONENTS SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF SECTION 677.

13. HORIZONTAL MEMBERS SHALL BE CAMBERED AND THE VERTICAL POLES BACK-RAKED (WHERE APPLICABLE) TO THE ANTICIPATED DEAD LOAD DEFLECTION PLUS THE CAMBER, IF ANY, SPECIFIED ON THE PLANS.

14. AN EQUIVALENT ALTERNATE DESIGN MAY BE SUBSTITUTED FOR THE DETAILS AND MATERIALS SHOWN.

15. THE DETAILS OF DESIGN FOR THE STRUCTURE AND FOOTINGS ARE TO BE SUPPLIED BY THE CONTRACTOR AND/OR BY THE MANUFACTURER. THE STRUCTURE SHALL BE DESIGNED TO RESIST THE MAXIMUM LOADING AS OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2). ALL DETAILS OF THE STRUCTURE AND THE FOOTING SHALL BE CHECKED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF VERMONT PRIOR TO SUBMITTAL OF THE SHOP DRAWINGS TO THE VERMONT AGENCY OF TRANSPORTATION.

16. IN ADDITION TO THE SHOP DRAWINGS OUTLINED IN NOTE 10, THE CONTRACTOR SHALL SUBMIT ALL DESIGN CALCULATIONS TO THE VERMONT AGENCY OF TRANSPORTATION, STRUCTURES DIVISION, SHOWING THE FOLLOWING INFORMATION FOR EACH OF THE VERTICAL AND HORIZONTAL COMPONENTS OF THE STRUCTURE AND FOOTING:

    A. THE DESIGN AXIAL AND SHEAR FORCES AND BENDING AND TORSIONAL MOMENTS.

    B. THE DESIGN AXIAL, BENDING AND SHEAR STRESSES AND THE COMBINED STRESS RATIO.

    C. VIBRATION AND FATIGUE CALCULATIONS AS SET FORTH IN SECTION 9 OF THE AASHTO PUBLICATION REFERENCED IN NOTE 2.

    D. THE ALLOWABLE AXIAL, BENDING, AND SHEAR STRESSES.

    E. ITEMS A,B,D - SHALL BE SHOWN FOR EACH OF THE GROUP LOADINGS (I, II, III) AND FOR THE BASIC WIND LOAD APPLIED TO THE TWO CASES OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2) SECTION 1.2.5 (D)(4).

    F. FAILURE TO SUPPLY THE PROPER DESIGN INFORMATION SHALL BE CAUSE FOR REJECTION OF THE STRUCTURE.

    G. A MINIMUM OF FOUR (4) WEEKS SHALL BE REQUIRED FOR REVIEW BY THE VERMONT AGENCY OF TRANSPORTATION, STRUCTURES DIVISION.

17. FOR INSTALLATIONS WHERE BOTH ''EXISTING'' AND ''FUTURE'' CONDITIONS ARE SHOWN, THE SUPPORTS SHALL BE DESIGNED FOR THE MORE SEVERE OF THE TWO LOADING CONDITIONS. THE INFORMATION OUTLINED IN NOTE 16 ABOVE SHALL BE PROVIDED FOR BOTH THE LOADING CONDITIONS.

18. BASE PLATES SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER, HEIGHT, YIELD STRENGTH, GAUGE AND THE HORZONTAL MEMBER DIAMETER, LENGTH, YIELD STRENGTH, GAUGE. ALTERNATELY, THE INFORMATION MAY BE STAMPED ON A METAL TAG RIVETED TO THE POLE NEAR THE HANDHOLE.

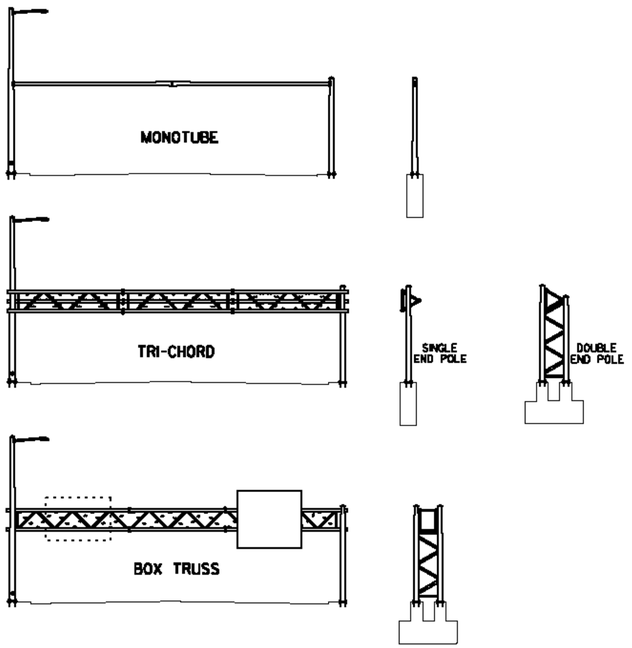
19. FOR OVERHEAD SIGN SUPPORT AT INTERCHANGE 12 I-89 RAMP C MILE POINT 0.112, THE EXISTING OVERHEAD TRAFFIC SIGN SUPPORT WILL BE REMOVED AND SALVAGED TO VT 2A MILE POINT 2.975. COST OF TEMPORARILY STORING AND TRANSPORTING OVERHEAD TRAFFIC SIGN SUPPORT SHALL BE INCIDENTAL TO PAY ITEM 677.25 REMOVE AND RESET OVERHEAD TRAFFIC SIGN SUPPORT. REPAIRING DAMAGE TO THE STRUCTURE INCURRED IN THE COURSE OF REMOVING, TRANSPORTING AND RESETTING THE STRUCTURE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

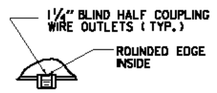
OVERHEAD SIGN SUPPORT NOTES

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

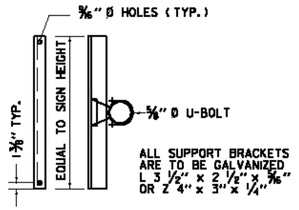
FILE NAME: z09a018overhead.dgn	PLOT DATE: 10/27/2009
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
CLD REF. NO.: 09-0124	SHEET 160 OF 174

MODEL: gen notes



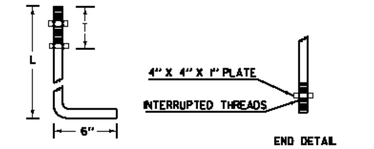


DETAIL A

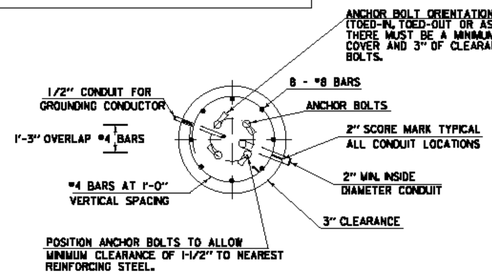


SIGN BRACKET DETAILS

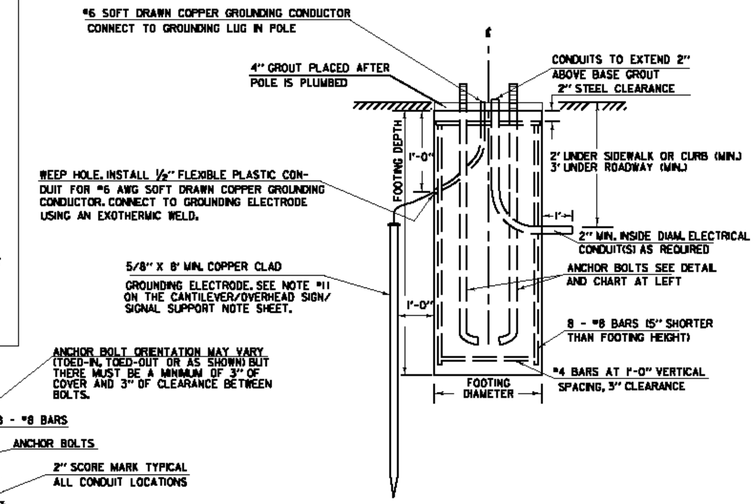
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
1- 1/2" X 60"	54	9
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



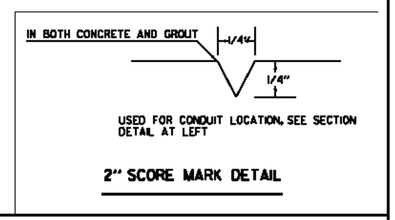
SECTION



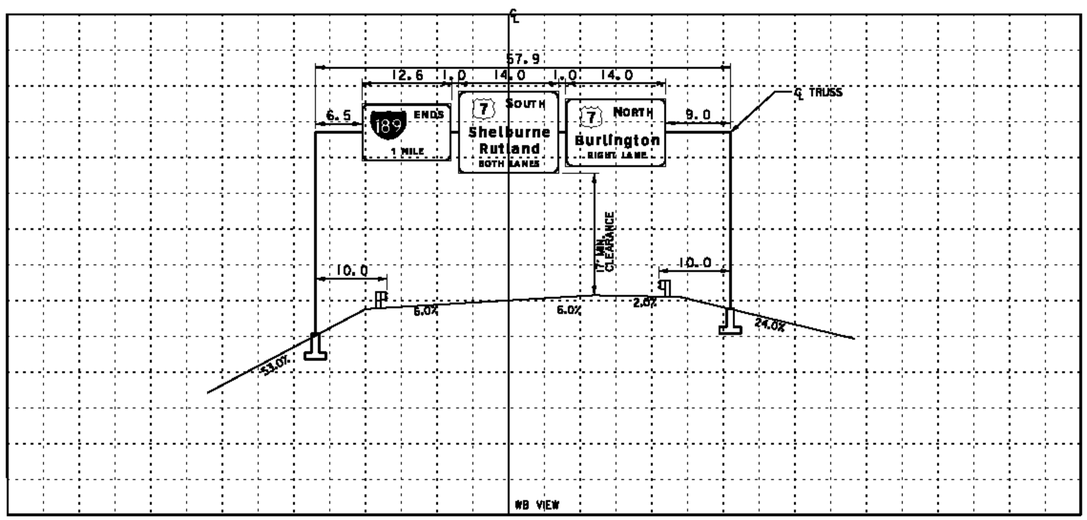
ELEVATION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



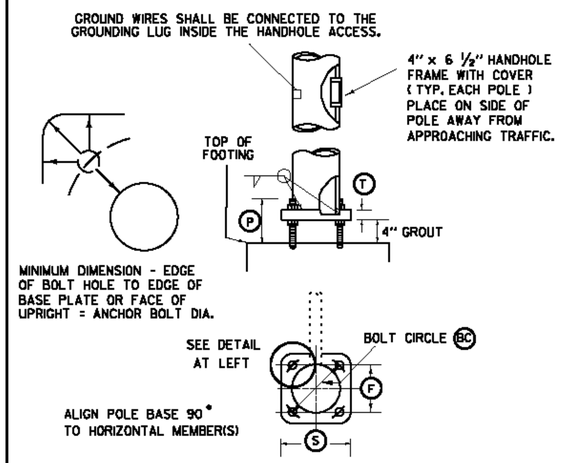
(SEE SHEET 43 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

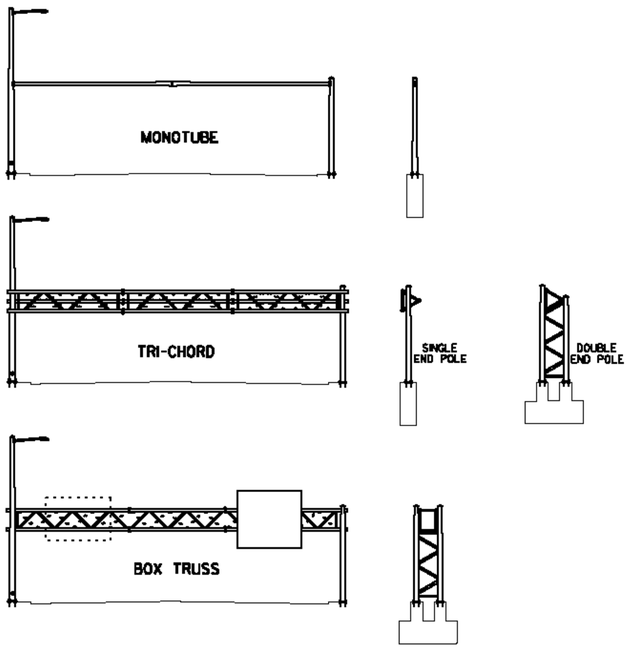
LAST REVISED 8/15/95

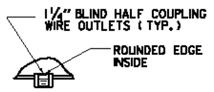
I-189
M.M. 1.040 WB

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

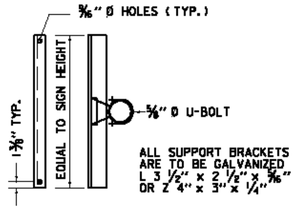
FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 161 OF 174

MODEL: detail





DETAIL A



SIGN BRACKET DETAILS

ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
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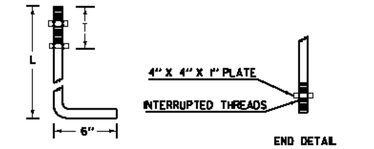
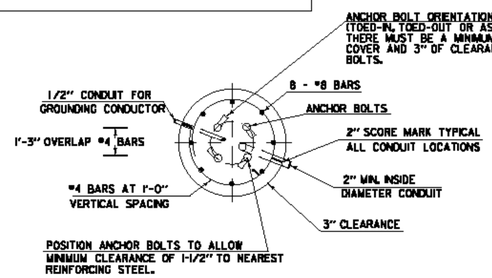
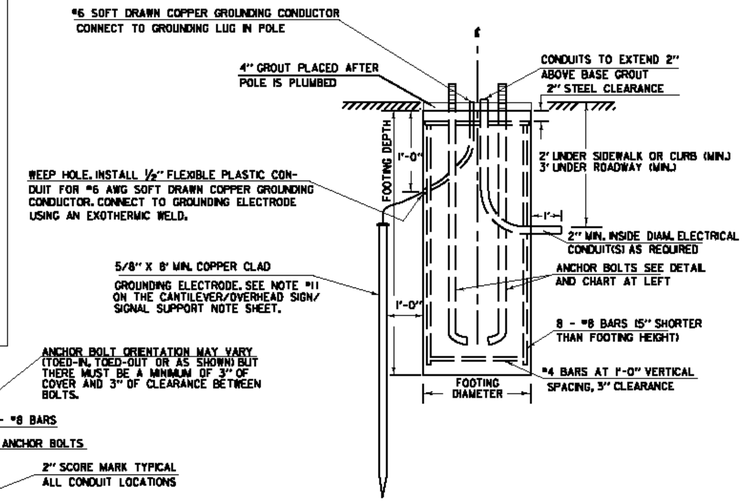


ANCHOR BOLT DETAIL



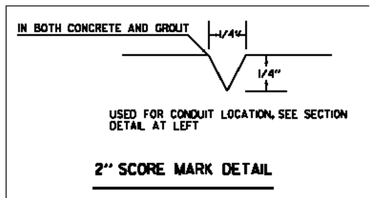
SECTION



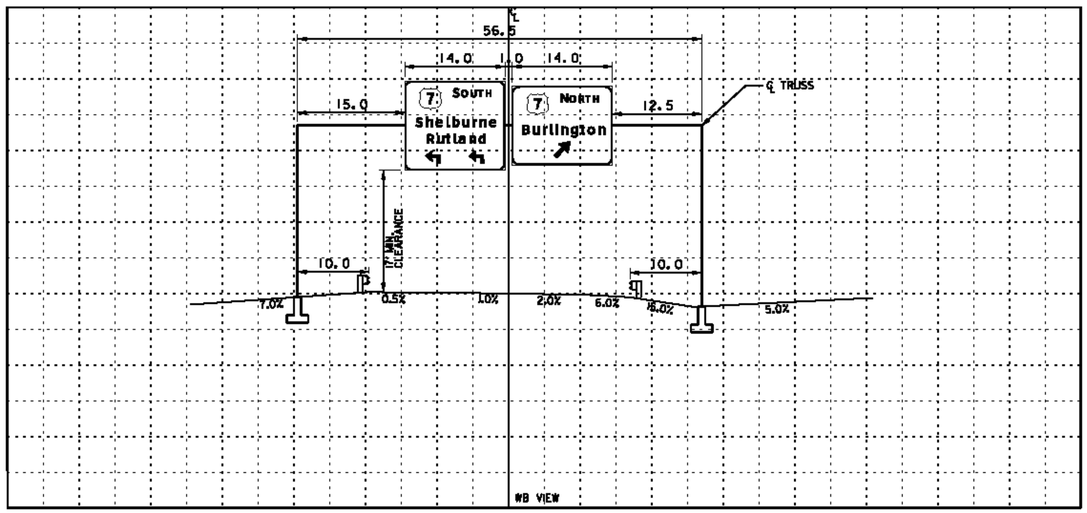
ELEVATION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



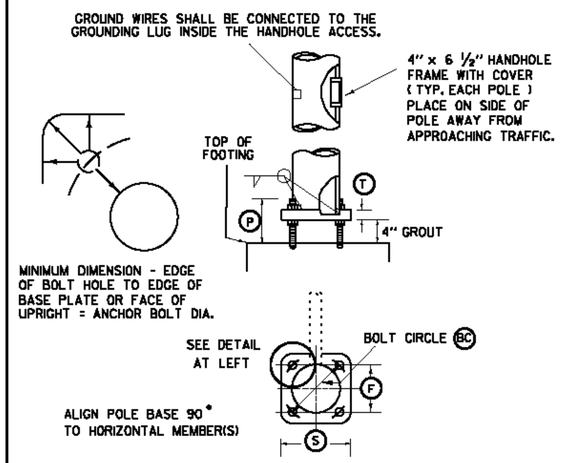
(SEE SHEET 44 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

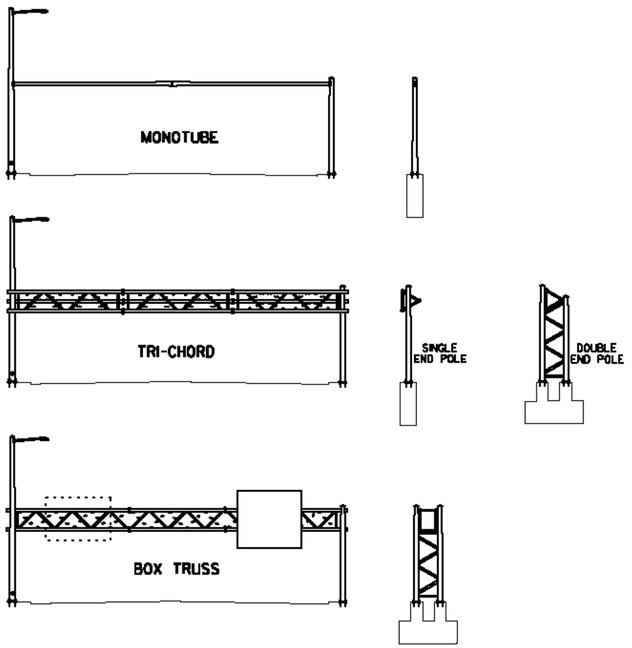
OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

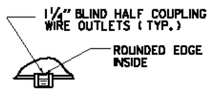
LAST REVISED 8/15/95

MODEL: detail2

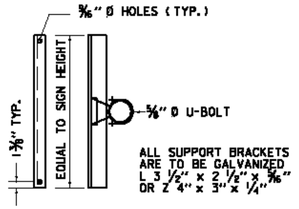
I-189
M.M. 0.247 WB

PROJECT NAME:	WATERBURY - WINOOSKI
PROJECT NUMBER:	IMG SIGN(18)
FILE NAME: z090018overhead.dgn	PLOT DATE: 10/27/2009
PROJECT LEADER: CRB	DRAWN BY: JBZ
DESIGNED BY: JBZ	CHECKED BY: BDB
CLD REF. NO.: 09-0124	SHEET 162 OF 174



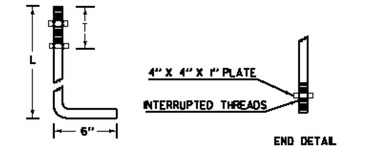


DETAIL A

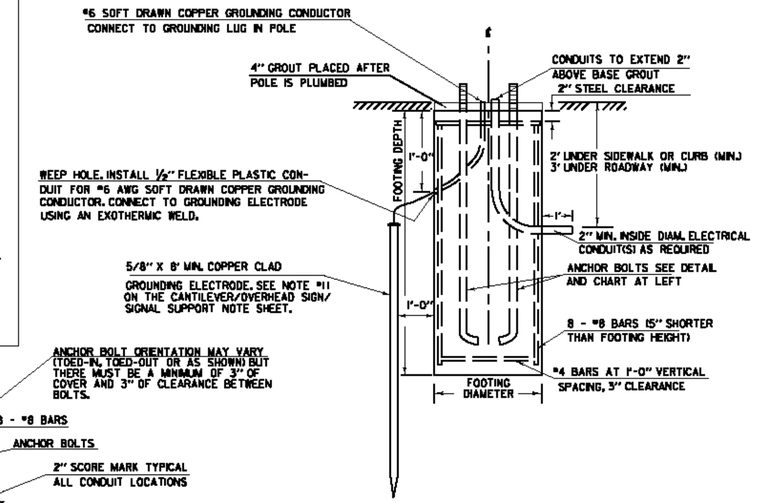


SIGN BRACKET DETAILS

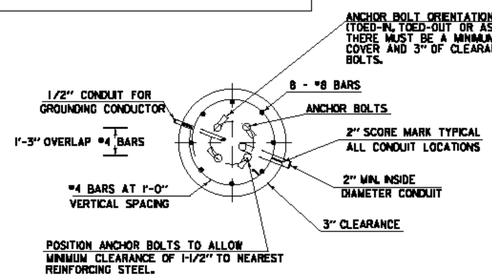
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
1- 1/2" X 60"	54	9
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



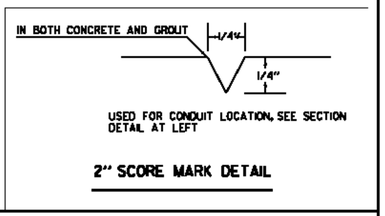
ELEVATION



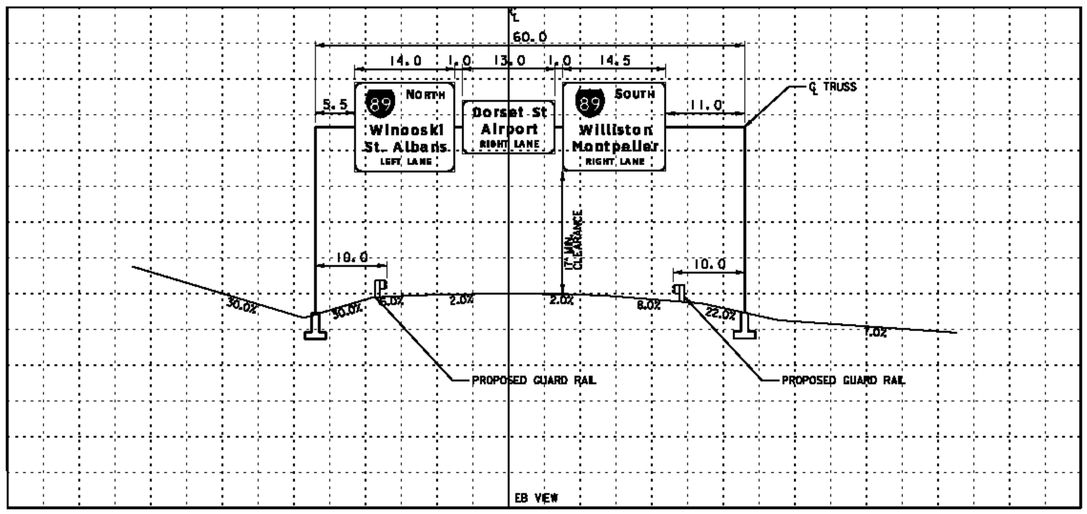
SECTION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



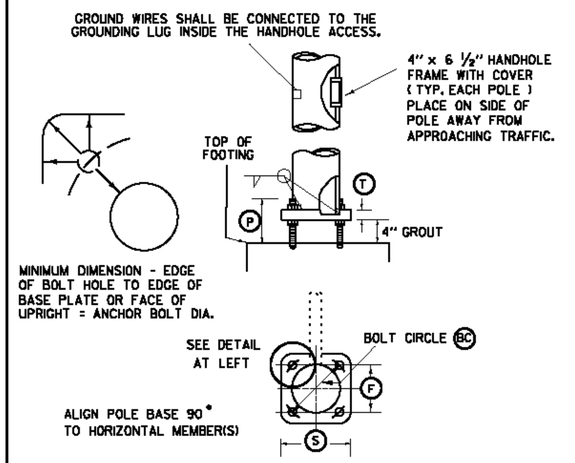
(SEE SHEET 43 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

LAST REVISED 8/15/95

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

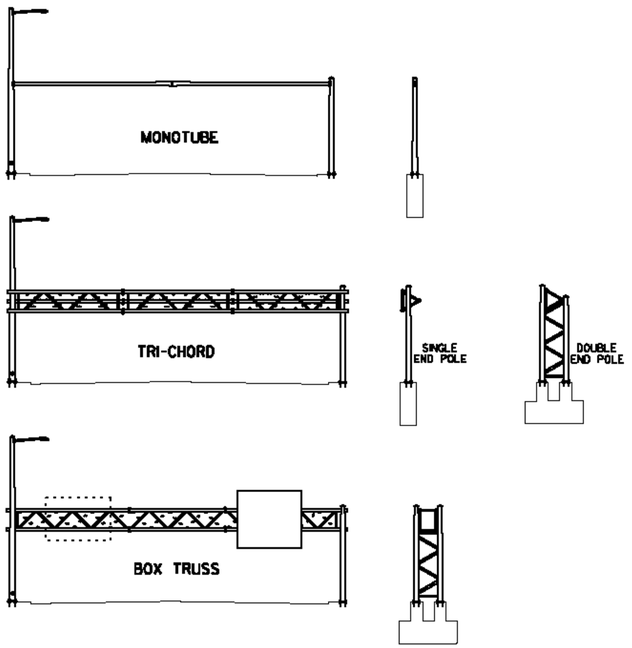
I-189
M.M. 0.810 EB

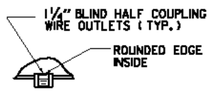
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

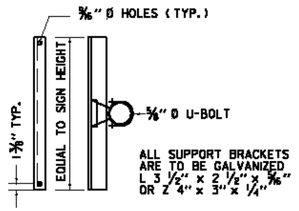
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 163 OF 174

MODEL: detail3





DETAIL A



SIGN BRACKET DETAILS

ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
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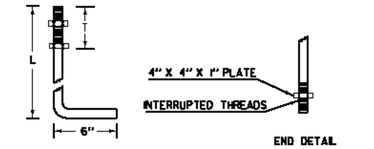
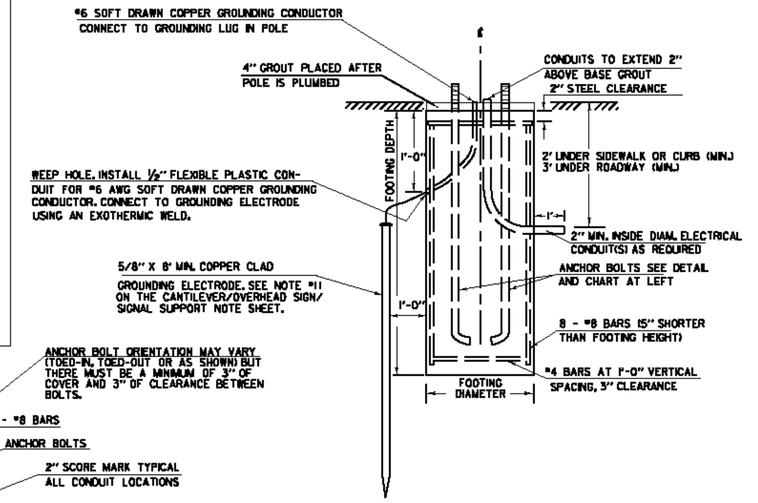
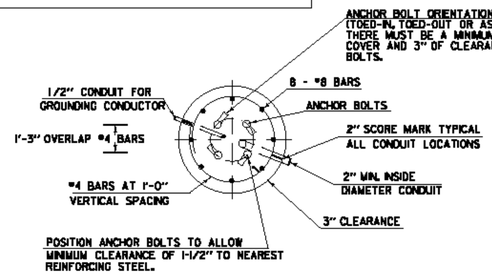
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



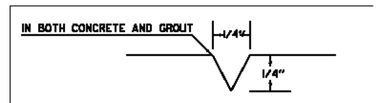
ELEVATION



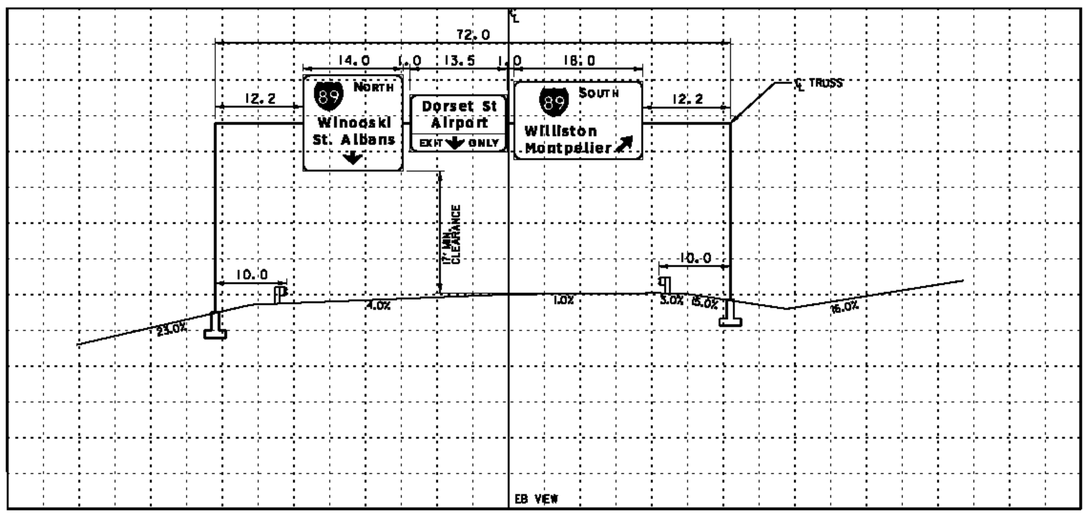
SECTION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



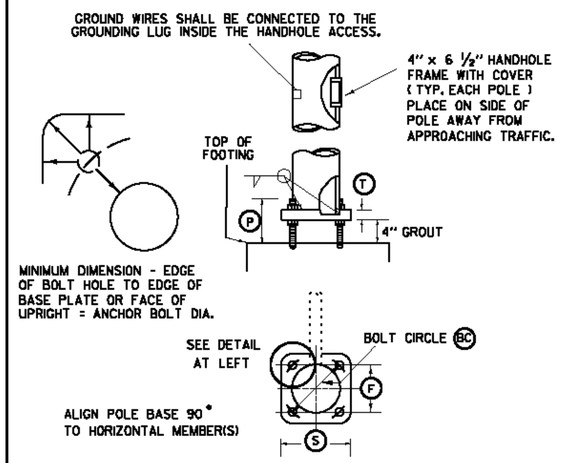
(SEE SHEET 42 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

LAST REVISED 8/15/95

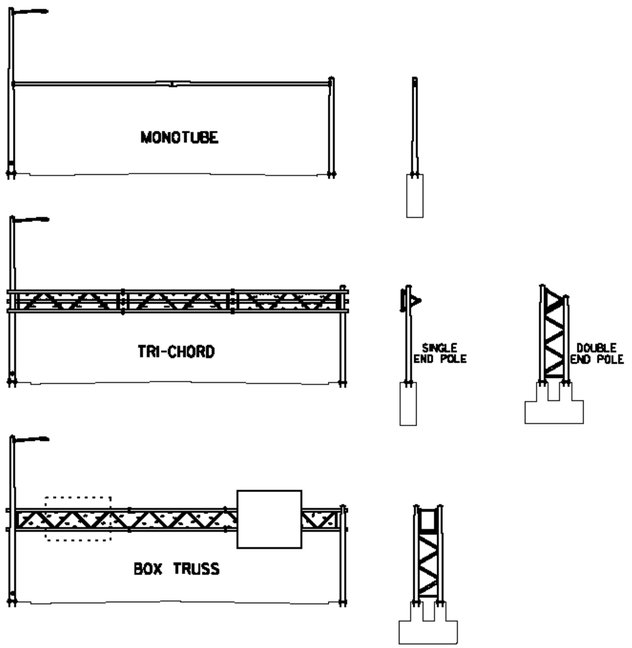
MODEL: detail4

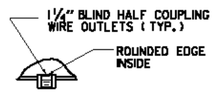
I-189
M.M. 1.288 EB

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

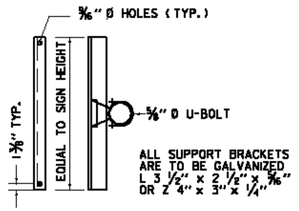
FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 164 OF 174



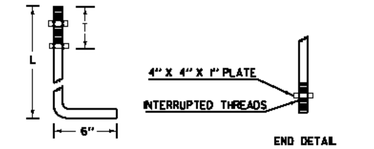


DETAIL A

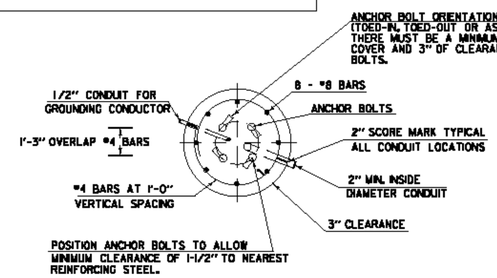


SIGN BRACKET DETAILS

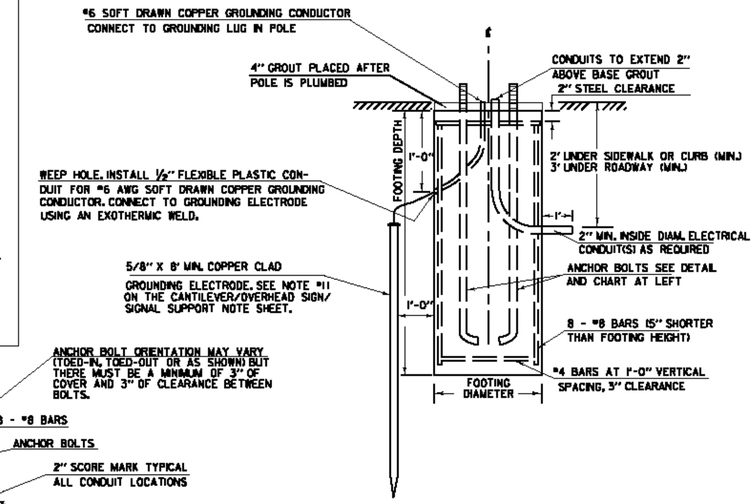
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
1- 1/2" X 60"	54	9
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



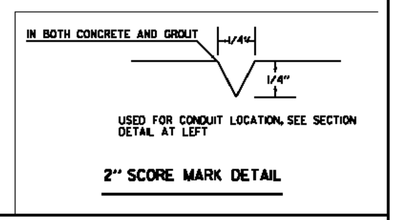
SECTION



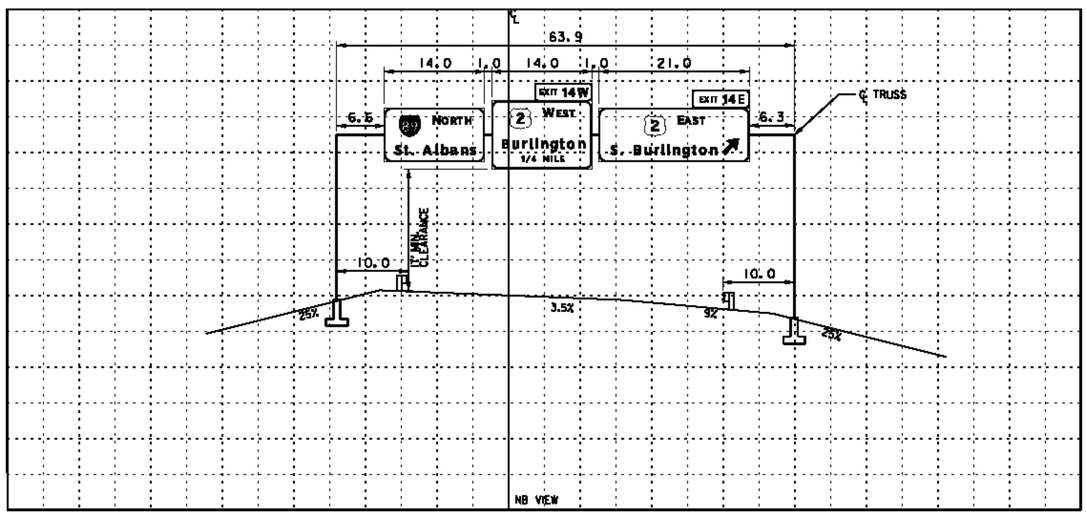
ELEVATION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



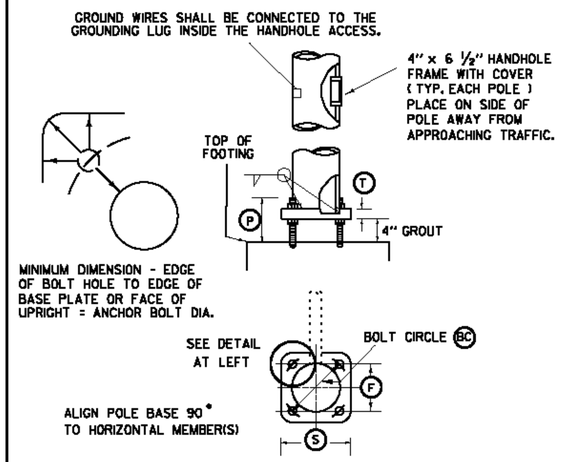
(SEE SHEET 45 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

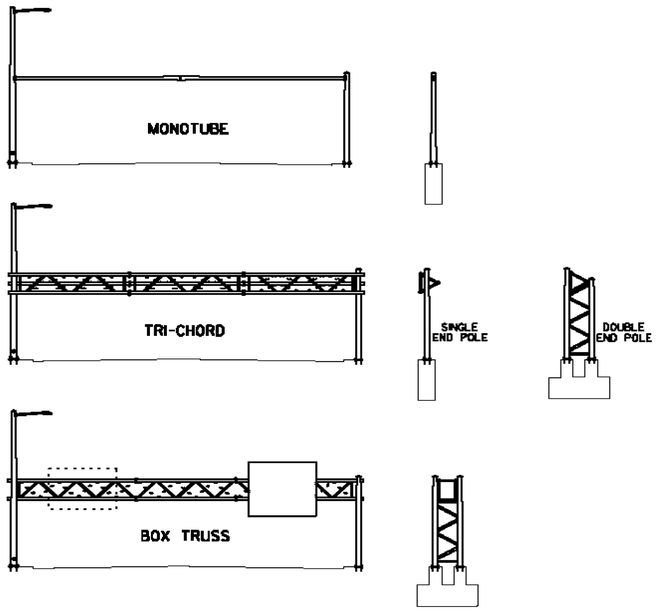
LAST REVISED 8/15/95

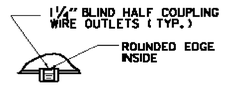
MODEL: details

I-89
M.M 88.490 NB

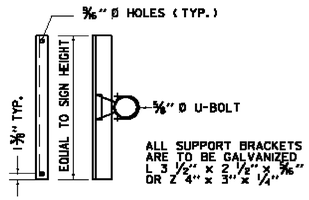
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 165 OF 174



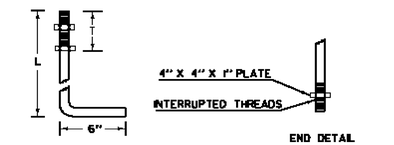


DETAIL A

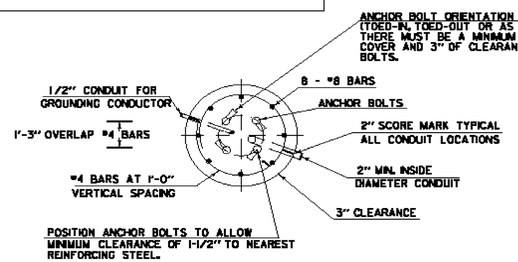


SIGN BRACKET DETAILS

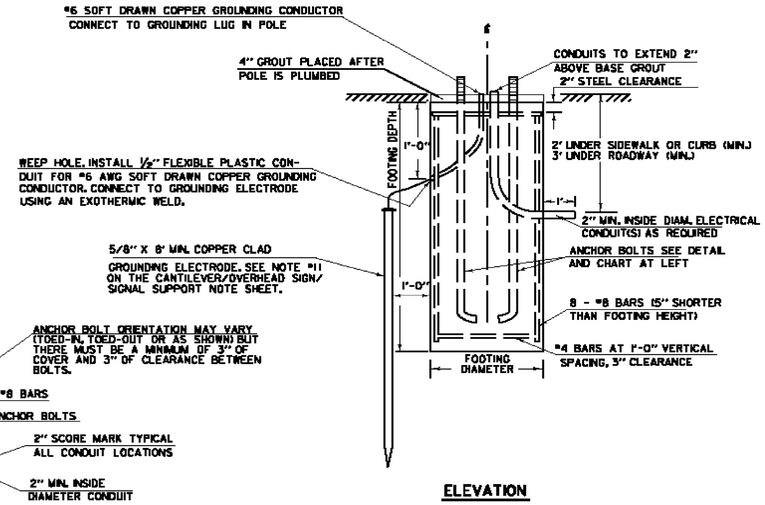
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
1- 1/2" X 60"	54	9
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



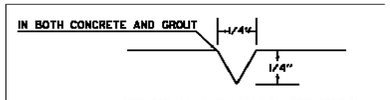
SECTION



ELEVATION

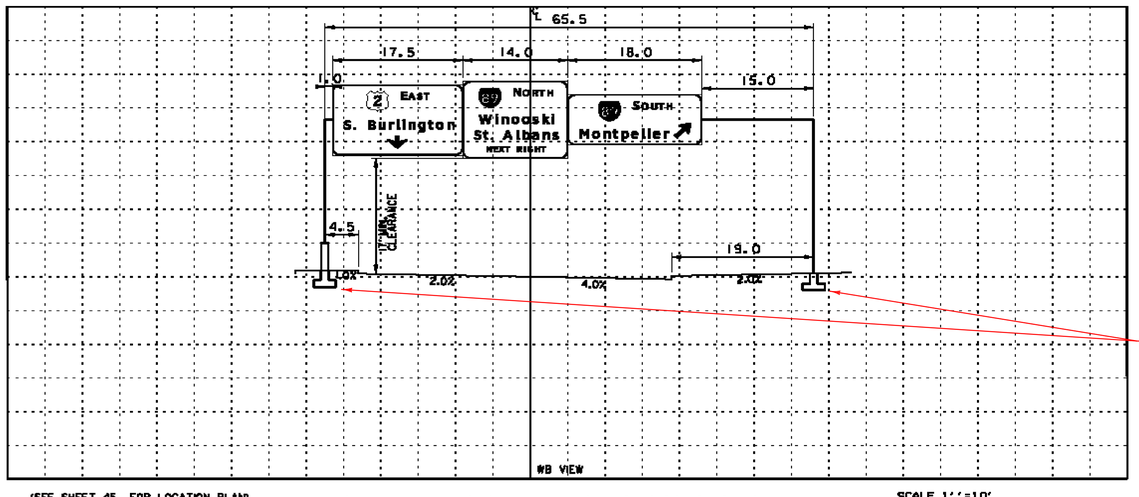
OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



USED FOR CONDUIT LOCATION, SEE SECTION DETAIL AT LEFT

2" SCORE MARK DETAIL



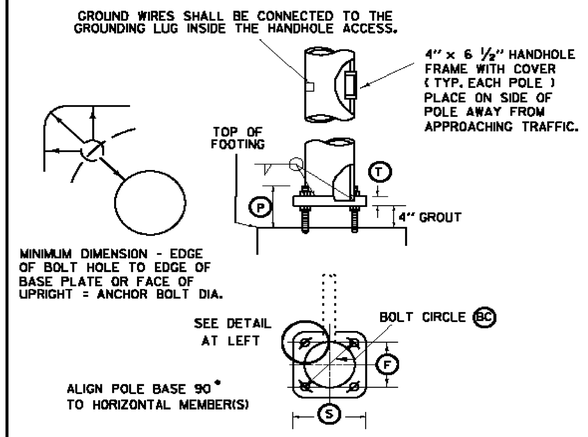
(SEE SHEET 45 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

LAST REVISED 8/16/95

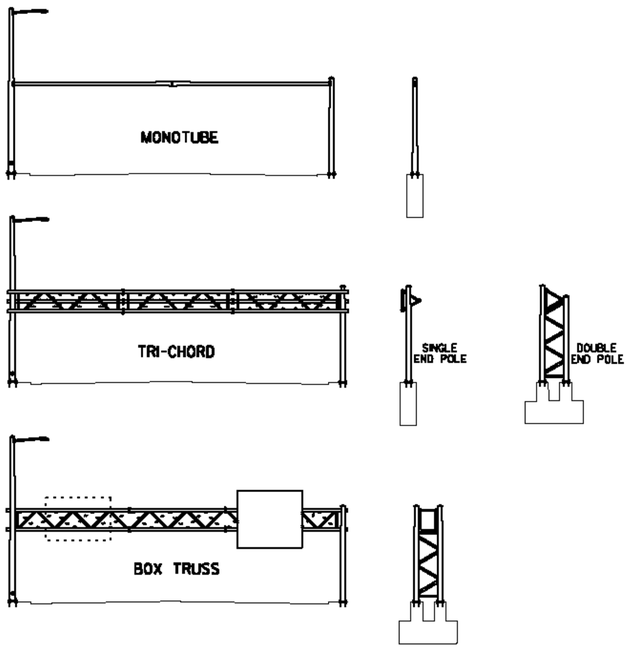
OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

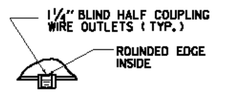
INTERCHANGE #14
M.M. 0.010 RAMP A

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

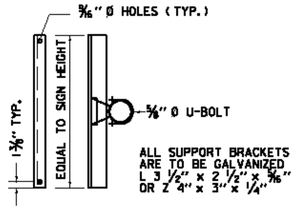
FILE NAME: z09a018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 166 OF 174

MODEL: detail6



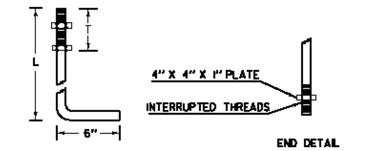


DETAIL A

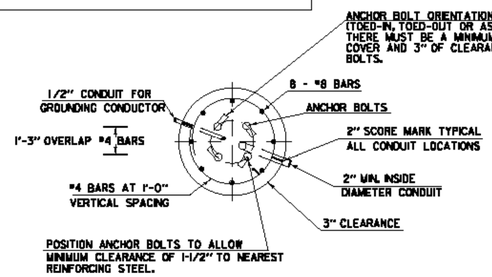


SIGN BRACKET DETAILS

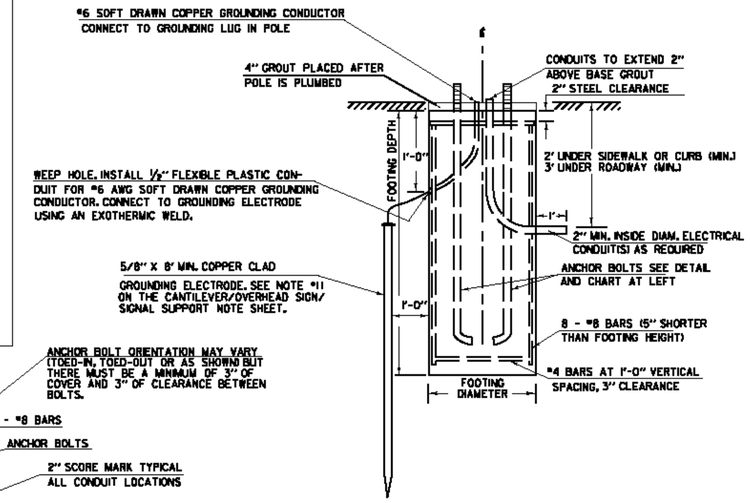
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1 - 1/4" X 48"	42	8
1 - 1/2" X 60"	54	9
1 - 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



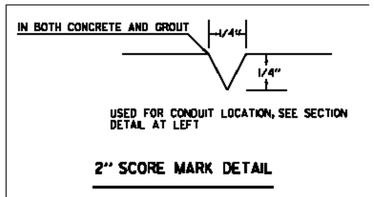
SECTION



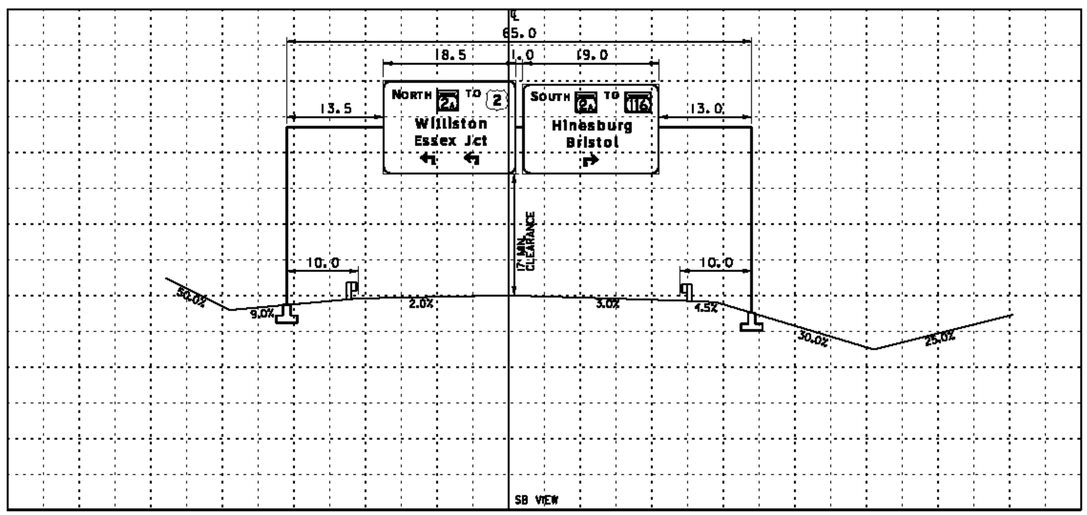
ELEVATION

OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



2" SCORE MARK DETAIL



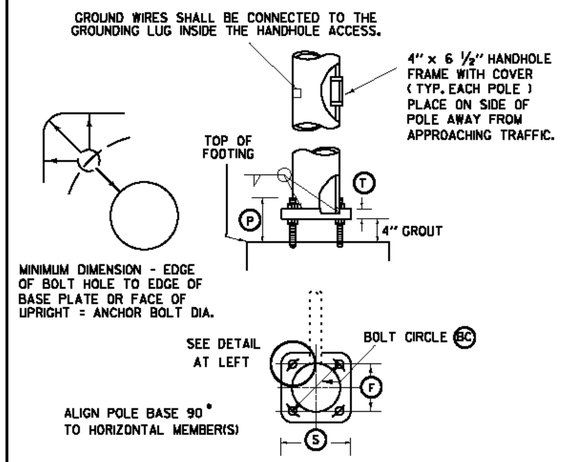
(SEE SHEET 41 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1" = 10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. MANUFACTURER TO DETERMINE TYPE OF STRUCTURE REQUIRED.
3. MONOTUBES SHALL NOT BE USED FOR SIGNS OVER 10' IN HEIGHT.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

LAST REVISED 8/15/95

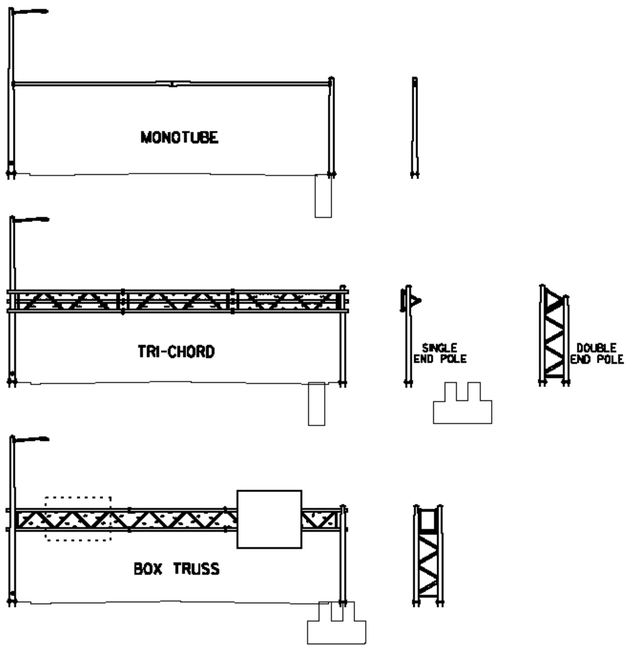
MODEL: detail7

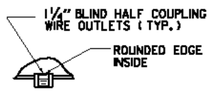
INTERCHANGE #12
M.M. 0.112 RAMP C

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

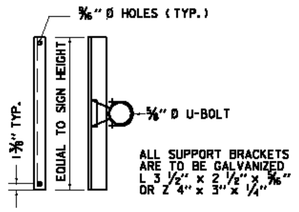
FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 167 OF 174



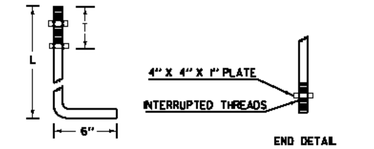


DETAIL A

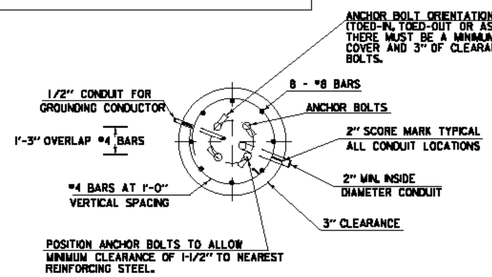


SIGN BRACKET DETAILS

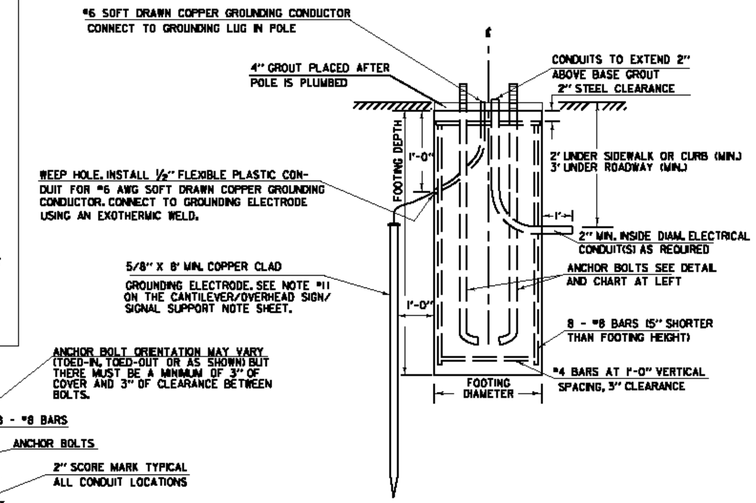
ANCHOR BOLT DETAIL		
SIZE	L(IN)	T(IN)
1- 1/4" X 48"	42	8
1- 1/2" X 60"	54	9
1- 3/4" X 90"	84	9
2" X 96"	96	9



ANCHOR BOLT DETAIL



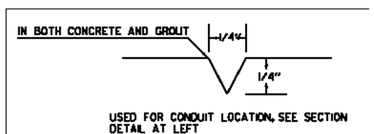
SECTION



ELEVATION

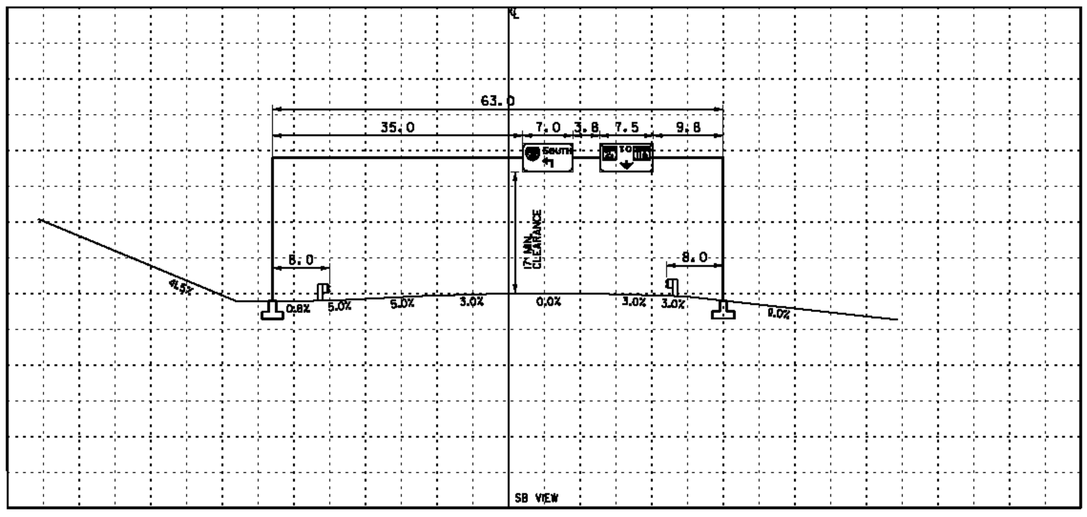
OVERHEAD TRAFFIC SIGN BRIDGE FOOTING DETAIL

(SPREAD FOOTINGS OR PILES ARE OPTIONAL)



USED FOR CONDUIT LOCATION, SEE SECTION DETAIL AT LEFT

2" SCORE MARK DETAIL



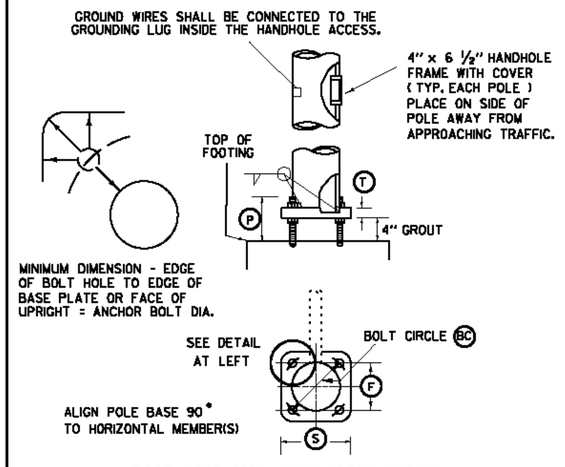
(SEE SHEET 41 FOR LOCATION PLAN)

OVERHEAD SIGN BRIDGE CROSS SECTION

SCALE 1"=10'

NOTES:

1. SEE OVERHEAD SIGN SUPPORT NOTES SHEET FOR ADDITIONAL INFORMATION.
2. CONTRACTOR TO SALVAGE AND RELOCATE THIS OVERHEAD STRUCTURE FROM EXIT 12 RAMP C TO THE PROPOSED LOCATION.
3. CONTRACTOR TO SUBMIT THE FOUNDATION DESIGN TO THE VTRANS STRUCTURES DIVISION FOR APPROVAL.
4. CONTRACTOR TO ENSURE THE RELOCATED STRUCTURE PROVIDES A MINIMUM CLEARANCE FROM SIGNS TO ROADWAY OF 17'.



POLE BASE AND BASE PLATE DETAIL

NOTE:
DETAILS
NTS

LAST REVISED 8/15/95

OVERHEAD TRAFFIC SIGN BRIDGE / FOOTING DETAIL SHEET

INTERCHANGE #12
VT 2A
M.M. 2.975

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z090018overhead.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124

PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 168 OF 174

MODEL: detail8

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

- Arrow panel
- Arrow panel support or trailer (shown facing down)
- Changeable message sign or support trailer
- Channelizing device
- Crash Cushion
- Direction of temporary traffic detour
- Direction of traffic
- Flagger
- High level warning device (Flag tree)
- Luminaire
- Pavement markings that should be removed for a long term project
- Sign (shown facing left)
- Surveyor
- Temporary barrier
- Temporary barrier with warning lights
- Traffic or Pedestrian signal
- Truck mounted attenuator
- Type III Barricade
- Warning lights
- Work space
- Work vehicle

Figure 6E-1. Use of Hand-Signaling Devices by Flaggers

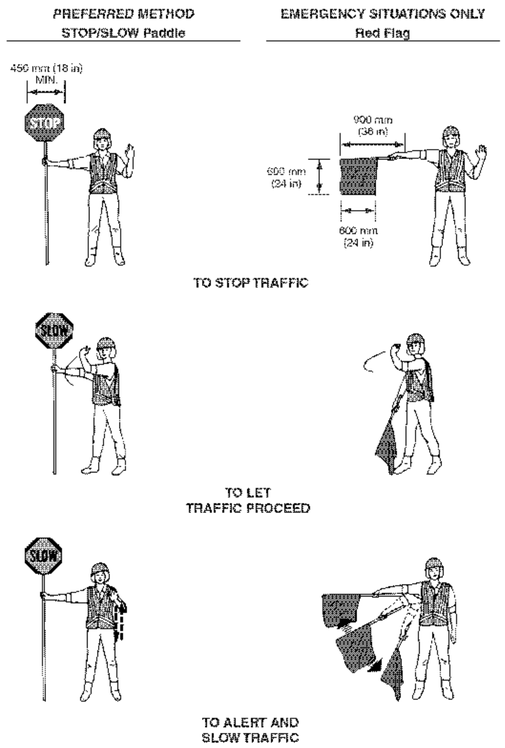


Figure 6C-2. Types of Tapers and Buffer Spaces

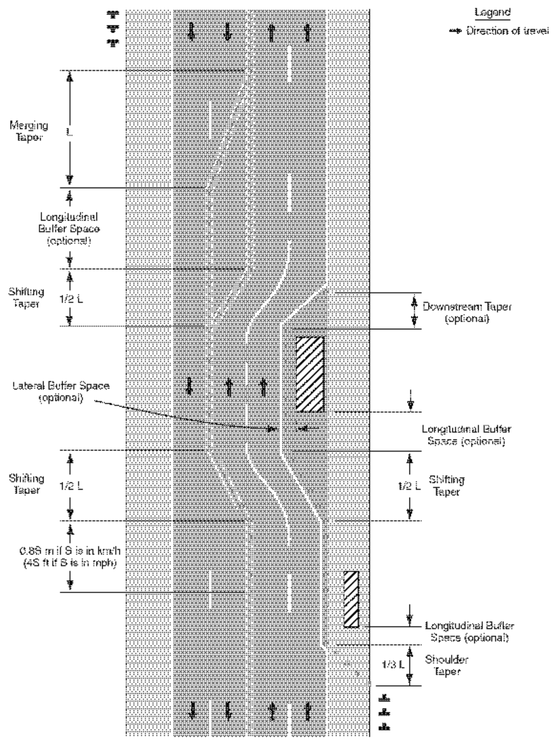
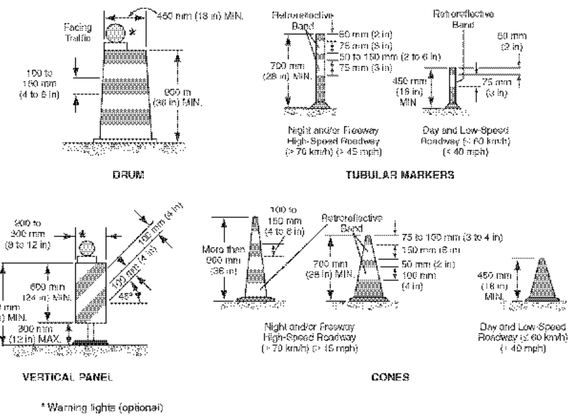


Figure 6F-7. Channelizing Devices (Sheet 1 of 2)



* Warning lights (optional)

Note: If drums, cones, or tubular markers are used to channelize pedestrians, they shall be located such that there are no gaps between the bases of the devices, in order to create a continuous bottom, and the height of each individual drum, cone, or tubular marker shall be no less than 900 mm (36 in) to be detectable to users of long canes.

Table 6C-3. Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length (L)*
Merging Taper	at least L
Shifting Taper	at least 0.5L
Shoulder Taper	at least 0.33L
One-Lane, Two-Way Traffic Taper	30 m (100 ft) maximum
Downstream Taper	30 m (100 ft) per lane

Table 6C-4. Formulas for Determining Taper Lengths

Speed Limit (S)	Taper Length (L) Meters
60 km/h or less	$L = \frac{WS^2}{155}$
70 km/h or more	$L = \frac{WS}{1.6}$

Speed Limit (S)	Taper Length (L) Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	L = WS

Where: L = taper length in meters (feet)
W = width of offset in meters (feet)
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in km/h (mph)

TEMPORARY TRAFFIC CONTROL NOTES

1. EMERGENCY RESPONSE UNITS SHALL BE GIVEN PRIORITY AND ACCESS SHALL BE PROVIDED AT ALL TIMES
2. ALL TEMPORARY PAVEMENT MARKINGS, TRAFFIC CONTROL DEVICES, AND SIGNING SHALL CONFORM TO MUTCD AND VERMONT AGENCY OF TRANSPORTATION STANDARDS.
3. TRAFFIC CONTROL SIGNING CONTRARY TO CONSTRUCTION SIGNING SHALL BE COVERED DURING CONSTRUCTION. TRAFFIC CONTROL SIGNING SHALL ONLY BE PRESENT WHEN ACTUAL SCENARIOS DEPICTED ARE PRESENT.
4. ALL WORK SHALL BE EXECUTED IN A MANNER TO PROVIDE THE LEAST AMOUNT OF IMPACT TO TRAFFIC.
5. ITEM 641.10 "TRAFFIC CONTROL" SHALL INCLUDE CONSTRUCTION SIGNING AND POSTS, CHANNELIZATION DEVICES AND ADJUSTING, RELOCATING AND REMOVAL OF THESE DEVICES. ITEM 630.10 "UNIFORMED TRAFFIC OFFICERS", ITEM 630.15 "FLAGGERS", ITEM 641.15 PORTABLE CHANGEABLE MESSAGE SIGNS, AND ITEM 641.16 PORTABLE ARROW BOARDS SHALL BE PAID FOR SEPARATELY.
6. CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN FOR REMOVAL AND INSTALLATION OF OVERHEAD STRUCTURES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALLOW TWO WEEKS FOR APPROVAL OF THE TRAFFIC CONTROL PLAN. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL. TRAFFIC CONTROL FOR INSTALLATION OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGE 6, INTERCHANGE 7, AND INTERCHANGE 8 SHALL BE IN ACCORDANCE WITH THE DETAILS PROVIDED AND APPROPRIATE SECTIONS OF THE MUTCD. THESE OPERATIONS WILL REQUIRE SHORT TERM TRAFFIC STOPPAGES, WHICH SHALL NOT EXCEED 15 MINUTES IN DURATION. STOPPAGES SHALL BE PERFORMED ON A SUNDAY PRIOR TO 10:00 AM. THE CONTRACTOR SHALL INFORM THE PUBLIC VIA PORTABLE CHANGABLE MESSAGE SIGNS OF STOPPAGES AT LEAST ONE WEEK IN ADVANCE OF THE FIRST STOPPAGE.

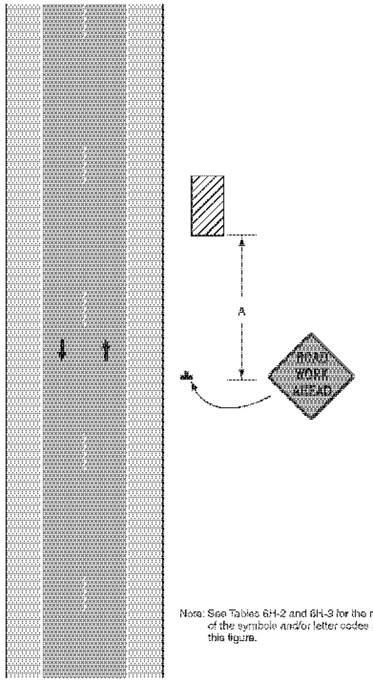
TRAFFIC CONTROL DETAILS SHEET 1

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 169 OF 174

MODEL: 01

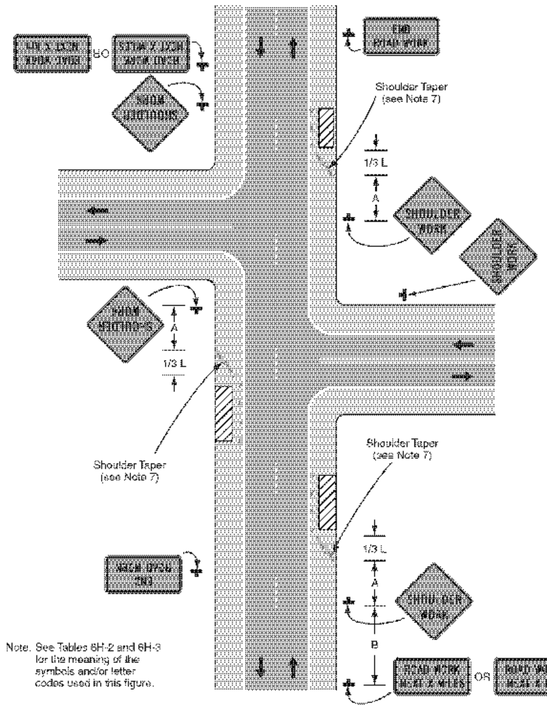
Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1

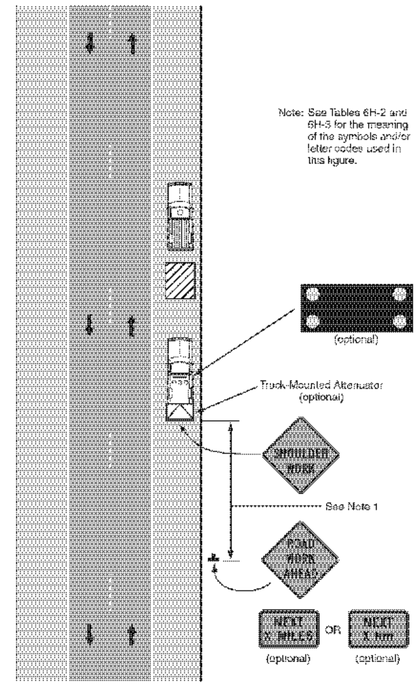
Figure 6H-3. Work on Shoulders (TA-3)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 3

Figure 6H-4. Short-Duration or Mobile Operation on Shoulder (TA-4)



Typical Application 4

Table 6C-1. Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	30 (100)	30 (100)	30 (100)
Urban (high speed)*	100 (350)	100 (350)	100 (350)
Rural	150 (500)	150 (500)	150 (500)
Expressway / Freeway	300 (1,000)	450 (1,500)	800 (2,640)

* Speed category to be determined by highway agency

** Distances are shown in meters (feet). The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-4G. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The third sign is the first one in a three-sign series encountered by a driver approaching a TTC zone.)

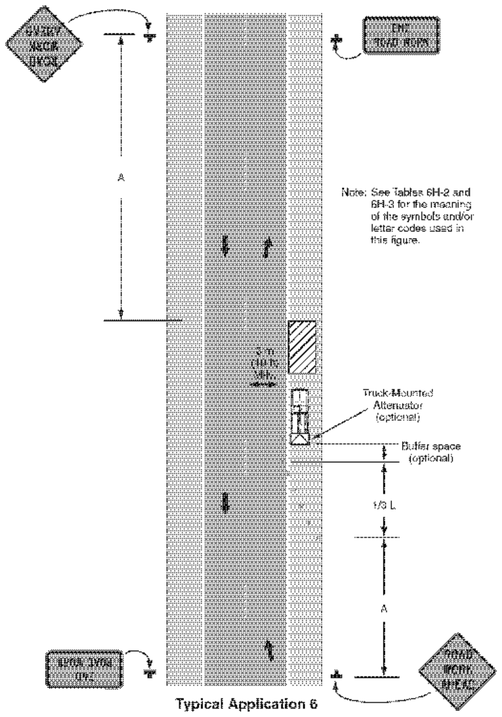
TRAFFIC CONTROL DETAILS SHEET 2

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 170 OF 174

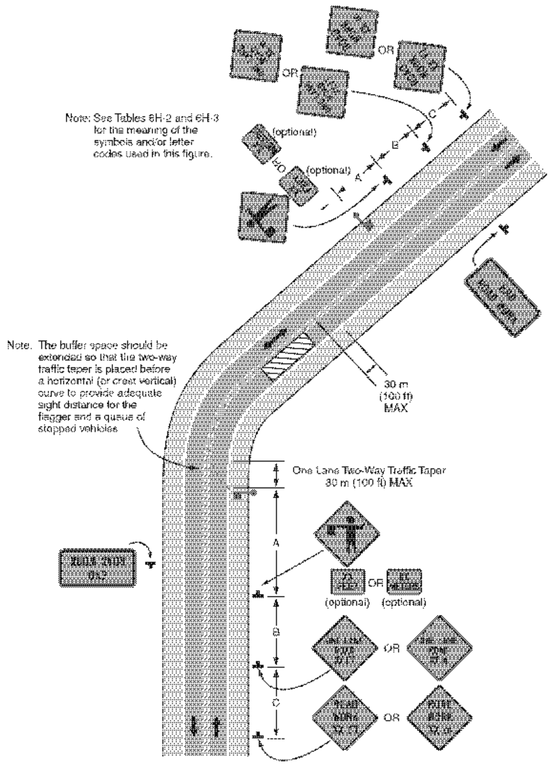
MODEL: 02

Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)



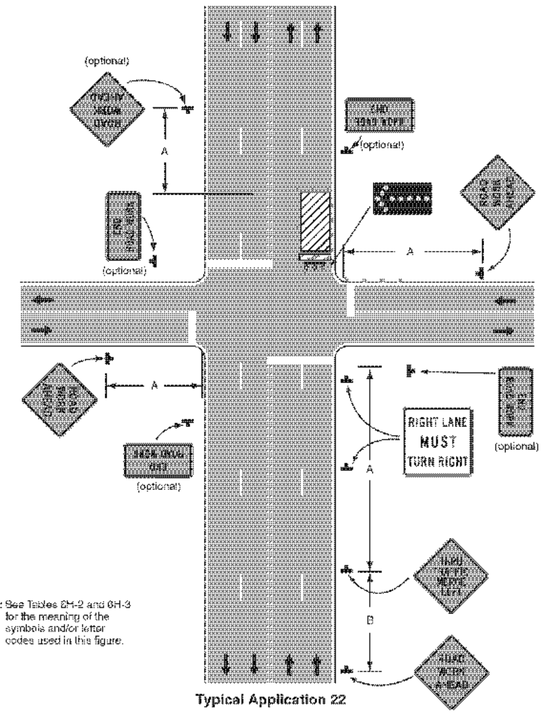
Typical Application 6

Figure 6H-10. Lane Closure on Two-Lane Road Using Flaggers (TA-10)



Typical Application 10

Figure 6H-22. Right Lane Closure on Far Side of Intersection (TA-22)



Typical Application 22

Notes for Figure 6H-22—Typical Application 22
Right Lane Closure on Far Side of Intersection

Guidance:

1. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure 6H-29.

Option:

2. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only, as shown. This procedure increases the through capacity by eliminating right turns from the open through lane.
3. For intersection approaches reduced to a single lane, left-turning movements may be prohibited to maintain capacity for through vehicular traffic.
4. Flashing warning lights and/or flags may be used to call attention to the advance warning signs.
5. Where the turning radius is large, it may be possible to create a right-turn island using channelizing devices or pavement markings.

TRAFFIC CONTROL DETAILS SHEET 3

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
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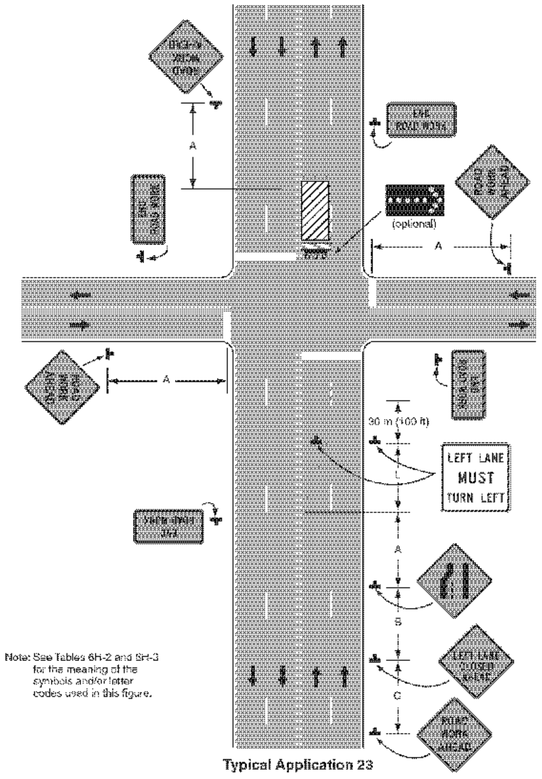
MODEL: 03

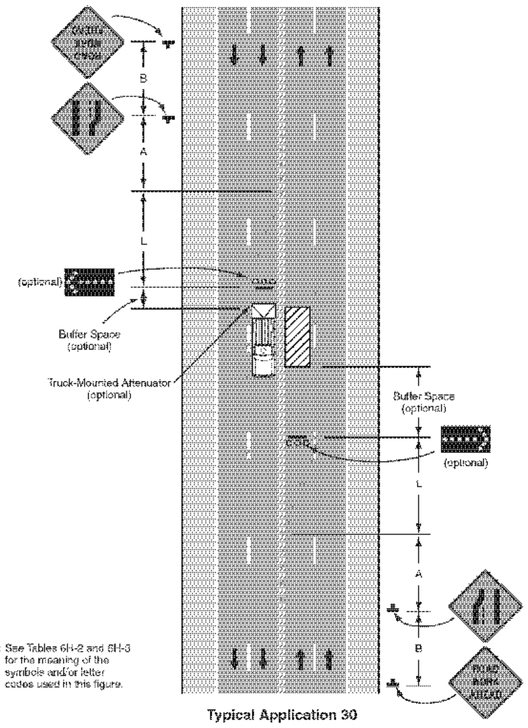
Figure 6H-23. Left Lane Closure on Far Side of Intersection (TA-23)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 23

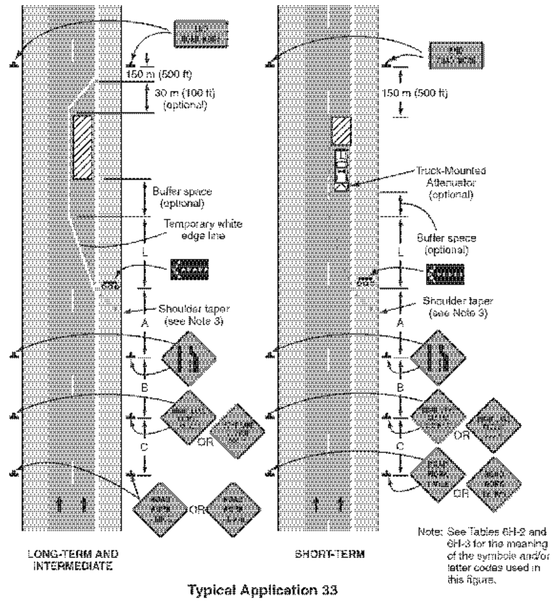
Figure 6H-30. Interior Lane Closure on Multi-lane Street (TA-30)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 30

Figure 6H-33. Stationary Lane Closure on Divided Highway (TA-33)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 33

Notes for Figure 6H-23—Typical Application 23
Left Lane Closure on Far Side of Intersection

Guidance:

1. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure 6H-29.

Option:

2. Flashing warning lights and/or flags may be used to call attention to the advance warning signs.
3. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left-turning movements, then the left lane may be reopened as a turn bay for left turns only, as shown.

Support:

4. By first closing off the left lane and then reopening it as a turn bay, an island is created with channelizing devices that allows the LEFT LANE MUST TURN LEFT sign to be repeated on the left adjacent to the lane that it controls.

Notes for Figure 6H-30—Typical Application 30
Interior Lane Closure on Multi-lane Street

Guidance:

1. This information applies to low-speed, low-volume urban streets. Where speed or volume is higher, additional signing such as LEFT LANE CLOSED XX m (FT) should be used between the signs shown.

Option:

2. The closure of the adjacent interior lane in the opposing direction may not be necessary, depending upon the activity being performed and the work space needed for the operation.
3. Shadow vehicles with a truck-mounted attenuator may be used.

Guidance:

4. When a highway-rail grade crossing exists within or upstream of the transition area and it is anticipated that backups resulting from the lane closure might extend through the highway-rail grade crossing, the TTC zone should be extended so that the transition area precedes the highway-rail grade crossing.
5. Early coordination with the railroad company should occur before work starts.

Notes for Figure 6H-33—Typical Application 33
Stationary Lane Closure on Divided Highway

Standard:

1. **This information also shall be used when work is being performed in the lane adjacent to the median on a divided highway. In this case, the LEFT LANE CLOSED signs and the corresponding Lane Ends signs shall be substituted.**
2. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Guidance:

3. When paved shoulders having a width of 2.4 m (8 ft) or more are closed, channelizing devices should be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.

Option:

4. A truck-mounted attenuator may be used on the work vehicle and/or shadow vehicle.

Support:

5. Where conditions permit, restricting all vehicles, equipment, workers, and their activities to one side of the roadway might be advantageous.

TRAFFIC CONTROL DETAILS SHEET 4

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
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PLOT DATE: 10/27/2009
DRAWN BY: JBZ
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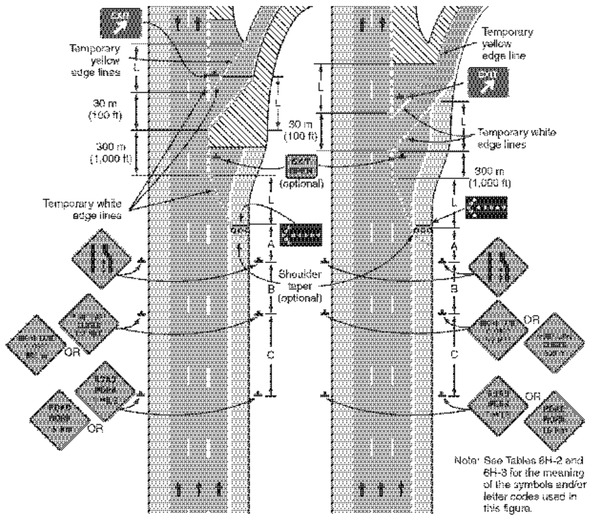
SHEET 172 OF 174

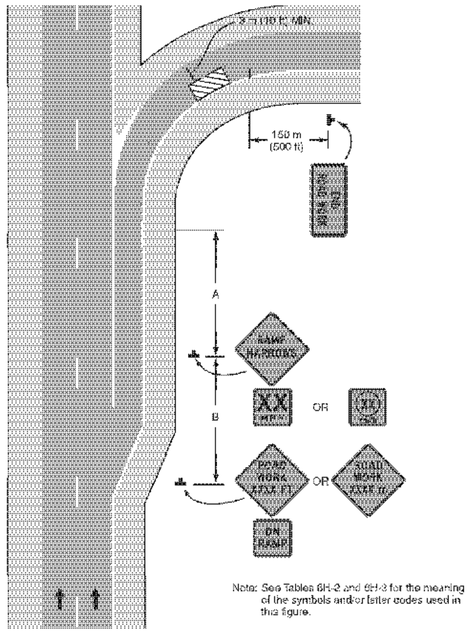
MODEL: 04

Figure 6H-42. Work in Vicinity of Exit Ramp (TA-42)



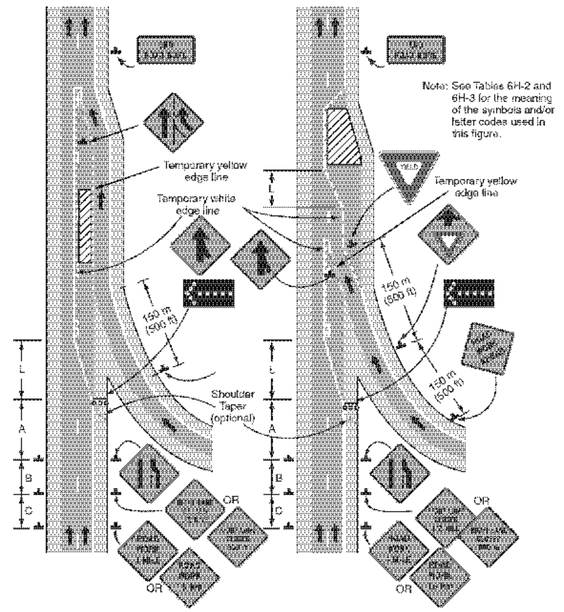
Typical Application 42

Figure 6H-43. Partial Exit Ramp Closure (TA-43)



Typical Application 43

Figure 6H-44. Work in Vicinity of Entrance Ramp (TA-44)



Typical Application 44

Notes for Figure 6H-42—Typical Application 42
Work in Vicinity of Exit Ramp

Guidance:

1. The guide signs should indicate that the ramp is open, and where the temporary ramp is located. However, if the ramp is closed, guide signs should indicate that the ramp is closed.
2. When the exit ramp is closed, a black on orange EXIT CLOSED panel should be placed diagonally across the interchange/intersection guide signs.
3. The design criteria contained in the AASHTO "Policy on the Geometric Design of Highways and Streets" should be used for determining the alignment (see Section 1A.11).

Standard:

4. **A temporary EXIT sign shall be located in the temporary gore. For better visibility, it shall be mounted a minimum of 2.1 m (7 ft) from the pavement surface to the bottom of the sign.**

Option:

5. An alternative procedure that may be used is to channelize exiting vehicular traffic onto the right shoulder and close the lane as necessary.

Notes for Figure 6H-43—Typical Application 43
Partial Exit Ramp Closure

Guidance:

1. Truck off-tracking should be considered when determining whether the minimum lane width of 3 m (10 ft) is adequate (see Section 6G.07).

Notes for Figure 6H-44—Typical Application 44
Work in Vicinity of Entrance Ramp

Guidance:

1. An acceleration lane of sufficient length should be provided whenever possible as shown on the left diagram.

Standard:

2. **For the information shown on the diagram on the right side of the typical application, where inadequate acceleration distance exists for the temporary entrance, the YIELD sign shall be replaced with STOP signs (one on each side of the approach).**

Guidance:

3. When used, the YIELD or STOP sign should be located so that ramp vehicular traffic has adequate sight distance of oncoming mainline vehicular traffic to select a reasonably safe gap in the mainline vehicular traffic flow. Also, a longer acceleration lane should be provided beyond the sign to reduce the gap size needed. If insufficient gaps are available, consideration should be given to closing the ramp.
4. Where STOP signs are used, a temporary stop line should be placed across the ramp at the desired stop location.
5. The mainline merging taper with the arrow panel at its starting point should be located sufficiently in advance so that the arrow panel is not confusing to drivers on the entrance ramp, and so that the mainline merging vehicular traffic from the lane closure has the opportunity to stabilize before encountering the vehicular traffic merging from the ramp.
6. If the ramp curves sharply to the right, warning signs with Advisory Speed Limits located in advance of the entrance terminal should be placed in pairs (one on each side of the ramp).

Option:

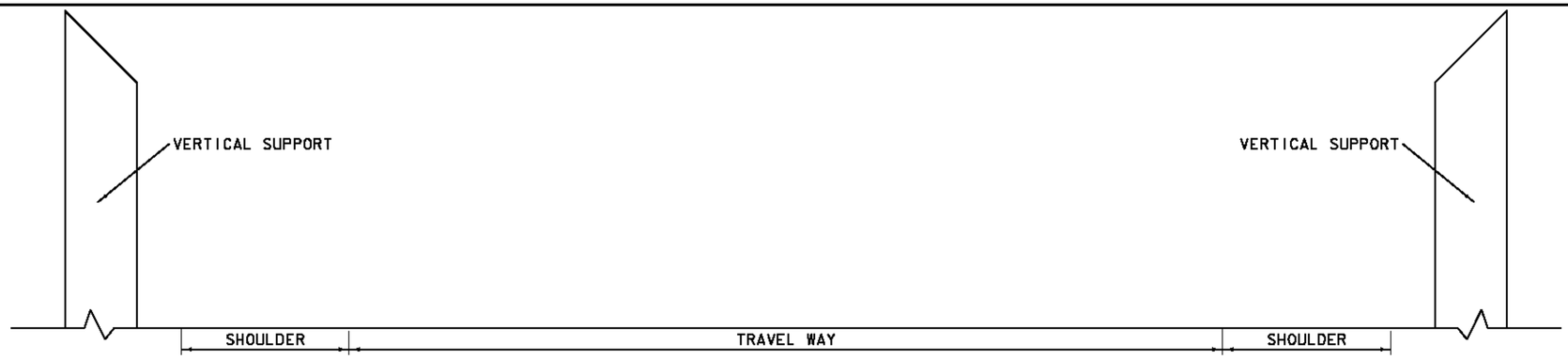
7. A Type B high-intensity warning flasher with a red lens may be placed above the STOP sign.
8. Where the acceleration distance is significantly reduced, a supplemental plaque may be placed below the YIELD AHEAD sign reading NO MERGE AREA.

TRAFFIC CONTROL DETAILS SHEET 5

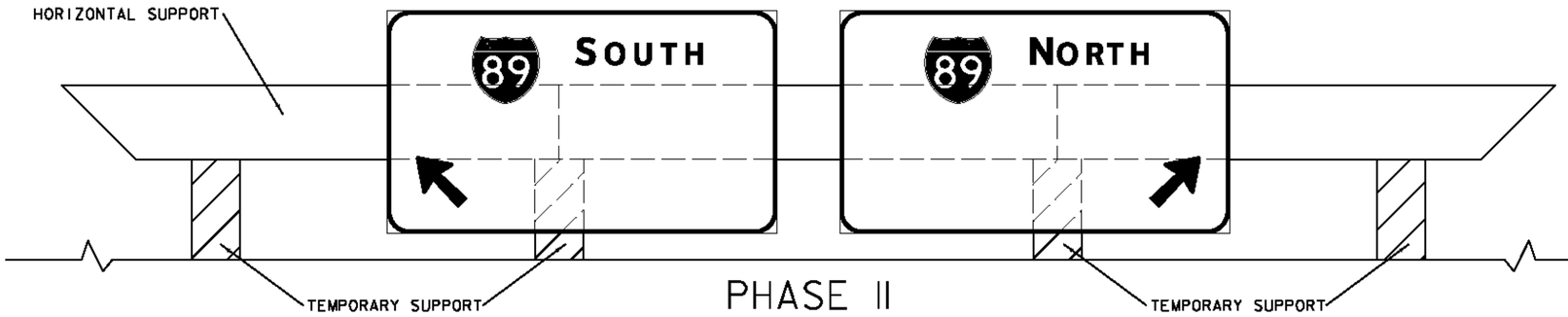
PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09o018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.s: 09-0124
PLOT DATE: 10/27/2009
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 173 OF 174

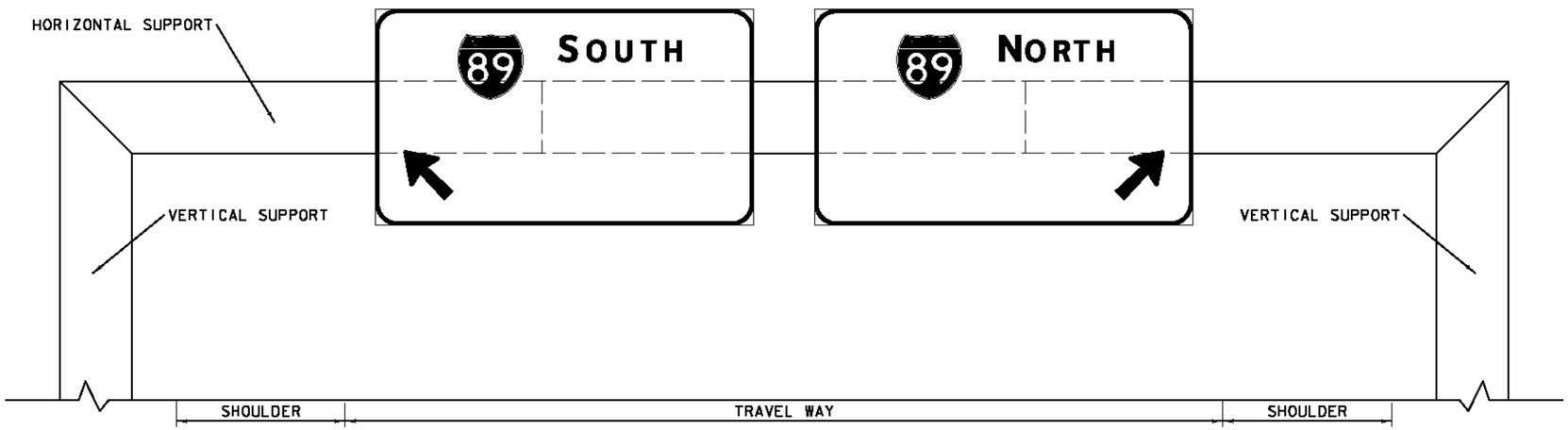
MODEL: 05



PHASE I



PHASE II



PHASE III

OVERHEAD STRUCTURE TRAFFIC CONTROL NOTES

DETAIL IS TO BE USED FOR THE REPLACEMENT OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGES 6, 7, AND 8.

THIS SHEET IS INTENDED AS A SUGGESTED CONSTRUCTION PHASING AND DOES NOT CONSTITUTE A SITE SPECIFIC TRAFFIC CONTROL PLAN.

CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN FOR REMOVAL AND INSTALLATION OF OVERHEAD STRUCTURES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALLOW TWO WEEKS FOR APPROVAL OF THE TRAFFIC CONTROL PLAN. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL. TRAFFIC CONTROL FOR INSTALLATION OF THE OVERHEAD SIGN STRUCTURES AT INTERCHANGE 6, INTERCHANGE 7, AND INTERCHANGE 8 SHALL BE IN ACCORDANCE WITH THE DETAILS PROVIDED AND APPROPRIATE SECTIONS OF THE MUTCD. THESE OPERATIONS WILL REQUIRE SHORT TERM TRAFFIC STOPPAGES, WHICH SHALL NOT EXCEED 15 MINUTES IN DURATION. STOPPAGES SHALL BE PERFORMED ON A SUNDAY PRIOR TO 10:00 AM. THE CONTRACTOR SHALL INFORM THE PUBLIC VIA PORTABLE CHANGABLE MESSAGE SIGNS OF STOPPAGES AT LEAST ONE WEEK IN ADVANCE OF THE FIRST STOPPAGE.

PHASE I

OVERHEAD STRUCTURE FOUNDATIONS AND VERTICAL SUPPORTS WILL BE CONSTRUCTED USING SINGLE LANE CLOSURES. SEE TRAFFIC CONTROL DETAILS SHEET 4.

PHASE II

HORIZONTAL SUPPORT WILL BE ASSEMBLED WITHIN THE SINGLE LANE CLOSURE. ONCE ASSEMBLED, ALL SIGNING WILL BE ATTACHED.

TEMPORARY SUPPORTS WILL BE USED TO ATTAIN MINIMUM HEIGHT NEEDED TO ATTACH SIGNAGE WITHOUT DAMAGE.

PHASE III

THE HORIZONTAL SUPPORT WITH SIGNAGE WILL BE ATTACHED TO THE VERTICAL SUPPORTS. TRAFFIC WILL BE STOPPED DURING THIS PROCESS BY THE USE OF A ROLLING ROAD BLOCK.

TRAFFIC CONTROL DETAILS SHEET 6

PROJECT NAME: WATERBURY - WINOOSKI
PROJECT NUMBER: IMG SIGN(18)

FILE NAME: z09a018tcp.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
CLD REF. NO.: 09-0124
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SHEET 174 OF 174

MODEL: 06