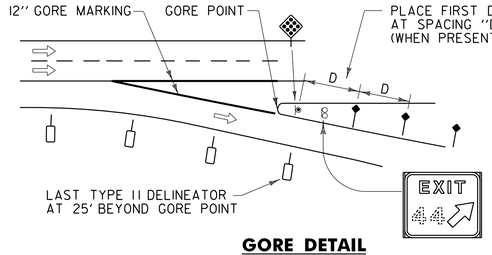
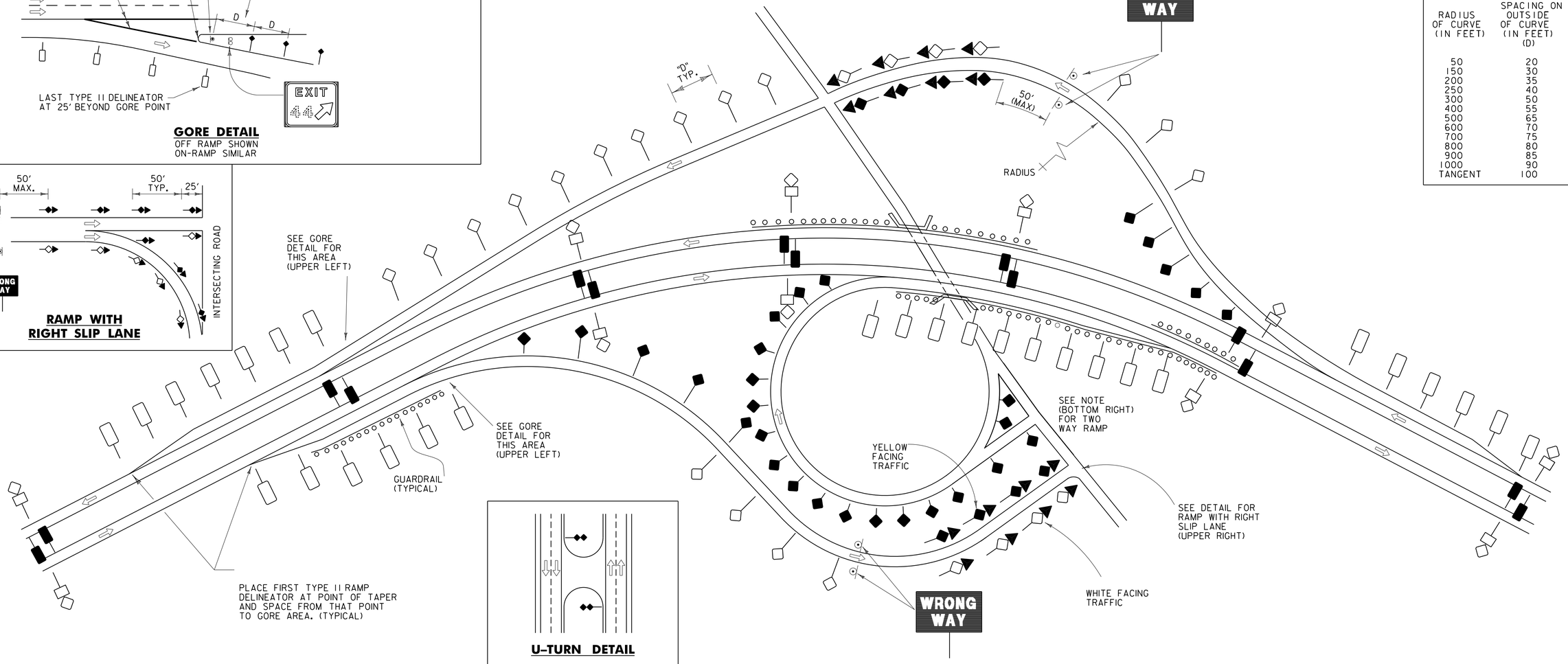


GORE DETAIL
OFF RAMP SHOWN
ON-RAMP SIMILAR

RAMP WITH RIGHT SLIP LANE

U-TURN DETAIL



TYPICAL SPACING FOR TYPE I (RAMP) DELINEATORS ON HORIZONTAL CURVES (FROM MUTCD TABLE 3F-1)

RADIUS OF CURVE (IN FEET)	SPACING ON OUTSIDE OF CURVE (IN FEET) (D)	APPROX SPEED
50	20	
150	30	25 MPH
200	35	
250	40	30 MPH
300	50	
400	55	40 MPH
500	65	
600	70	
700	75	50 MPH
800	80	
900	85	
1000	90	
TANGENT	100	

LEGEND

YELLOW OR WHITE — TYPE I DELINEATOR

TYPE I (WHITE) WITH MILEPOST PLAQUE

TWO VERTICALLY STACKED TYPE I (YELLOW)

YELLOW OR WHITE — TYPE II DELINEATOR

RED ON BACK / WHITE
RED ON BACK / YELLOW
A TYPE III DELINEATOR CONSISTS OF A TYPE I DELINEATOR FACING THE NORMAL DIRECTION OF TRAVEL AND A TYPE I RED DELINEATOR FACING THE OPPOSITE DIRECTION.

DIRECTION OF TRAVEL

MAINLINE DELINEATORS

TYPE I DELINEATORS WITH APPROPRIATE MILEPOST PLAQUES SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF DIVIDED HIGHWAYS BETWEEN MILEMARKER SIGNS, AT 0.05 MILE INTERVALS.

TYPE II YELLOW DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE LEFT SIDE OF DIVIDED HIGHWAYS, 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, AT 0.05 MILE INTERVALS.

MAINLINE DELINEATORS ON THE RIGHT SIDE SHALL BE OMITTED ALONG THE DECELERATION AND ACCELERATION LANES, HOWEVER THE SUCCEEDING SPACING SHALL BE AS IF THE PLAQUES HAD BEEN ERECTED CONTINUOUSLY.

U-TURN DELINEATORS SHALL BE PLACED WHERE THE U-TURN RADII MEETS THE TANGENT OF THE MAINLINE.

PLACEMENT NOTES

TYPE I (RAMPS)

TYPE I DELINEATORS ARE TO BE PLACED ON THE OUTSIDE OF RAMP CURVES AND ON THE DRIVERS RIGHT ON TANGENTS AT THE APPROPRIATE SPACING FOR CURVE RADIUS OR RAMP SPEED AS SHOWN ON THE CHART (UPPER RIGHT). YELLOW DELINEATORS ARE REQUIRED ON THE DRIVER'S LEFT AND WHITE DELINEATORS ON THE RIGHT. DELINEATORS SHALL NOT BE OMITTED BEHIND GUARDRAIL ON THE RAMPS.

TYPE II

TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF ACCELERATION AND DECELERATION LANES AT 100 FOOT INTERVALS AND SHALL NOT BE OMITTED BEHIND GUARDRAIL.

TYPE III

TYPE III DELINEATORS SHALL BE PLACED BEGINNING 25 FEET FROM THE INTERSECTING ROADWAY AND EXTENDING TO THE "WRONG WAY" SIGNS ALONG RAMPS AT 50' INTERVALS. THE "WRONG WAY" SIGNS ARE TYPICALLY 250 FEET FROM THE INTERSECTING ROADWAY.

WHEN THE TRAVEL LANES FOR A TWO WAY RAMP ARE SEPARATED BY ONLY A NARROW MEDIAN AND THERE IS A LIKELIHOOD VEHICLES ON THE ON-RAMP COULD BE CONFUSED BY THE RED REFLECTOR OF THE TYPE III DELINEATORS FOR THE ADJACENT OFF-RAMP, THE TYPE III ASSEMBLY ON THAT SIDE SHOULD BE OMITTED.

OTHER STDS. REQUIRED: T–40, T–45

REVISIONS AND CORRECTIONS

APRIL 9, 2014 - ORIGINAL APPROVAL DATE

APPROVED

HIGHWAY SAFETY & DESIGN ENGINEER

DIRECTOR OF PROGRAM DEVELOPMENT

Mark D. Richter

FEDERAL HIGHWAY ADMINISTRATION

FREEWAY - EXPRESSWAY DELINEATOR PLACEMENT

VERMONT AGENCY OF TRANSPORTATION

STANDARD

T-43