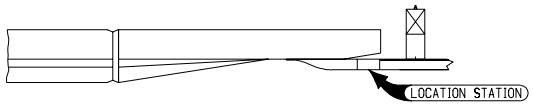
LAPPING PROCEDURE



1. Standard Transition Section, this section includes 2 – 12.5' elements of Thrie Beam Guardrail (Nested) and "W" to Thrie Beam Transition Section. Refer to Standard Road Plan RE–68.
2. Refer to Standard Road Plan RE–76 for details of Terminal Section.
3. For earth shaping at barrier and berm widths, see Standard Road Plan RL–14.
4. For connections to Concrete Barrier End Section, see Standard Road Plans RE–69A or RE–69C.
5. Variable Flare length (VF) + Terminal length (ET) (37.5').

GENERAL NOTES:

Details indicated hereon are for the typical installations where steel beam guardrail is connected to concrete barrier rail. Refer to project plans, including Tabulation of Steel Beam Guardrail installations as well as other Standard Road Plans for additional requirements for individual installations.

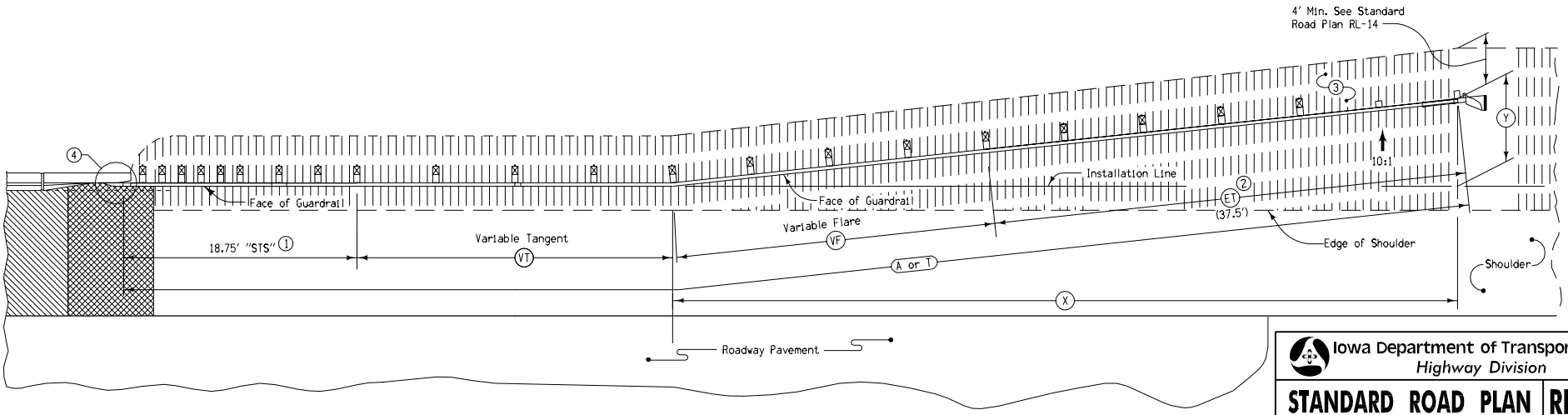
Horizontal and vertical alignment of the guardrail in the area immediately adjacent to the concrete barrier shall, where necessary, be adjusted to a smoothly curved line with no abrupt changes. Appropriate adjustment in method of installation shall be made for curved roadways or other conditions not shown.

Guardrail shall be lapped towards the concrete barrier.

Contract items for guardrail construction are:

Installation of Guardrail
(Bid Item Length = A or T)
Beam Guardrail Terminal (RE-76)
Beam Guardrail End Anchorage (RE-69)

OFFSETS TO LAST POST OF TERMINAL										
Distance Along Flare (5)	37.5'	50.0'	62.5'	75.0'	87.5'	100.0'	112.5'	125.0'	137.5'	150.0'
(X)	37.29'	49.71'	62.14'	74.57'	87.00'	99.43'	111.86'	124.29'	136.72'	149.14'
(Y)	4.00'	5.33'	6.67'	8.00'	9.33'	10.67'	12.00'	13.33'	14.67'	16.00'



For object marker and delineator placement, see Standard Road Plan RE-48A.

For additional information, see Standard Road Plans and Tabulations as follows: RE-2B, RE-12A, RE-12B, RE-68, RE-69A, RE-69C, RE-76, RL-14, 107-23, 108-8A.

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RE-65B**

REVISION: Added a reference to RE-69C to note 4.

REVISION NO. 6

REVISION DATE 10-29-02

William G. Stein
APPROVED BY DESIGN METHODS ENGINEER

GUARDRAIL INSTALLATIONS WITH CONCRETE BARRIER