

1 *Guardrail Anchor Units, Type ____ and Temporary Guardrail Anchor Units Type ____* will
 2 be measured and paid as units of each completed and accepted. No separate measurement
 3 will be made of any rail, terminal sections, posts, offset blocks, concrete, hardware or any
 4 other components of the completed unit that are within the pay limits shown in the plans for
 5 the unit as all such components will be considered to be part of the unit.

6 *W-TR Steel Beam Guardrail Transition Sections* will be measured and paid in units of each
 7 completed and accepted.

8 *Additional Guardrail Posts* will be measured and paid in units of each for additional posts
 9 required but not shown in the plans.

10 There will be no measurement or payment made for guardrail delineators or guardrail end
 11 delineation as they are incidental to the other pay items in this section.

12 Such price and payment includes, but is not limited to, furnishing and erecting posts, offset
 13 blocks, rail, terminal sections, miscellaneous hardware and all other materials; field curving
 14 and shop curving of the rail; removing temporary guardrail; excavation; furnishing and
 15 installing additional guardrail posts and additional offset blocks; backfilling; fabrication;
 16 welding; galvanizing; and furnishing and installing guardrail delineators and end delineation.

17 Payment will be made under:

Pay Item	Pay Unit
Steel Beam Guardrail	Linear Foot
Steel Beam Guardrail, Shop Curved	Linear Foot
Steel Beam Guardrail, Double Faced	Linear Foot
Triple Corrugated Steel Beam Guardrail	Linear Foot
20" Tubular Triple Corrugated Steel Beam Guardrail	Linear Foot
Temporary Steel Beam Guardrail	Linear Foot
Temporary Steel Beam Guardrail, Shop Curved	Linear Foot
Temporary Steel Beam Guardrail, Double Faced	Linear Foot
Temporary Guardrail Anchor Units, Type ____	Each
Temporary Steel Beam Guardrail Terminal Sections	Each
Steel Beam Guardrail Terminal Sections	Each
Triple Corrugated Steel Beam Guardrail Terminal Sections	Each
Guardrail Anchor Units, Type ____	Each
W-TR Steel Beam Guardrail Transition Sections	Each
Additional Guardrail Posts	Each

18

SECTION 863

19

REMOVE EXISTING GUARDRAIL AND GUIDERAIL

20

863-1 GENERAL

21 Dismantle, remove and dispose of existing guardrail, guiderail and anchors of any type at
 22 locations shown in the plans or established by the Engineer.

23

863-2 CONSTRUCTION METHODS

24 Remove guardrail, guiderail and posts beginning at the trailing end and continuing towards
 25 the approach end. Remove the posts immediately after the rail or cable is removed.
 26 Complete post removal so that no posts without rail or cable attached are present at the end of
 27 any day's operations. Exercise care not to damage adjoining structures or other
 28 appurtenances. Fill any void created by post or anchor removal and repair all damages. All
 29 guardrail, guiderail and components removed are the property of the Contractor.

Section 864

1 **863-3 MEASUREMENT AND PAYMENT**

2 *Remove Existing Guardrail and Remove Existing Guiderail* will be measured and paid in
3 linear feet of guardrail or guiderail that has been satisfactorily removed. Measurement will be
4 made to the nearest 1.0 foot from center to center of the outermost post or end shoe center bolt
5 in the length of the guardrail or guiderail being removed. Measurement will be made before
6 removing the guardrail or guiderail.

7 The work to fill any void or fix all damage created by post or anchor removal is incidental to
8 the work of this section.

9 Payment will be made under:

Pay Item	Pay Unit
Remove Existing Guardrail	Linear Foot
Remove Existing Guiderail	Linear Foot

10 **SECTION 864**
11 **REMOVE AND RESET EXISTING GUARDRAIL AND GUIDERAIL**

12 **864-1 GENERAL**

13 Remove and reset existing guardrail, guiderail and anchors of any type at locations shown in
14 the plans and the contract.

15 **864-2 CONSTRUCTION METHODS**

16 Exercise care not to damage adjoining structures or other appurtenances. Fill any void created
17 by post or anchor removal and repair all damage at no cost to the Department. Reset existing
18 guardrail and guiderail in accordance with Articles 862-3 and 865-3. Reset guardrail and
19 guiderail in a condition that is equal to or better than the condition that exists before the
20 guardrail and guiderail is removed. Replace any of the guardrail and guiderail components
21 unnecessarily damaged.

22 **864-3 MEASUREMENT AND PAYMENT**

23 *Remove and Reset Existing Guardrail* will be measured and paid in linear feet of guardrail
24 and anchors that has been removed, reset and accepted. Measurement will be made after the
25 guardrail has been reset.

26 *Remove and Reset Existing Guiderail* will be measured and paid in linear feet of guiderail and
27 anchors that has been removed, reset and accepted. Measurement will be made after the
28 guiderail has been reset.

29 Such price will include, but is not limited to, removing and resetting the guardrail, guiderail
30 and anchors and for furnishing all equipment, labor and incidentals necessary to complete the
31 work.

32 Payment will be made under:

Pay Item	Pay Unit
Remove and Reset Existing Guardrail	Linear Foot
Remove and Reset Existing Guiderail	Linear Foot

33 **SECTION 865**
34 **CABLE GUIDERAIL**

35 **865-1 DESCRIPTION**

36 Construct cable guiderail in accordance with the contract and at the locations designated in
37 the plans or as directed. Install additional double faced cable guiderail posts without cable at
38 median hazards as shown in *Roadway Standard Drawings*.