

Section 846

1 **SECTION 846**
2 **CONCRETE CURB, CURB AND GUTTER, CONCRETE**
3 **GUTTER, SHOULDER BERM GUTTER, CONCRETE EXPRESSWAY**
4 **GUTTER AND CONCRETE VALLEY GUTTER**

5 **846-1 DESCRIPTION**

6 Construct Portland cement concrete curb, concrete curb and gutter, concrete gutter, shoulder
7 berm gutter, concrete expressway gutter and 4" concrete valley gutter as shown in the
8 contract.

9 **846-2 MATERIALS**

10 Refer to Division 10.

Item	Section
Curing Agents	1026
Joint Fillers	1028-1
Joint Sealers	1028-2, 1028-3
Portland Cement Concrete, Class B	1000

11 **846-3 CONSTRUCTION METHODS**

12 **(A) General**

13 Construct concrete in accordance with Section 825, except as provided herein.

14 Give surface a light broom finish with brush marks parallel to the curb line or gutter line.

15 Prepare foundation and compact base or subgrade to the degree required by the
16 applicable section of the *Standard Specifications* before placing forms.

17 **(B) Forms**

18 Use forms that have no more than 1/8" in 10 ft deflection from true line horizontally and
19 vertically to adequately support the concrete and construction equipment.

20 Obtain approval before placing concrete.

21 **(C) Joints**

22 Locate joints as shown in the plans except as provided herein.

23 Space joints no closer than 5 ft.

24 Locate joints to line up with the joints in concrete pavement when placed adjacent to
25 concrete pavement.

26 Form grooved contraction joints as required by Subarticle 825-10(B).

27 Construct grooved butt joint between the work and adjacent pavement except where
28 expansion joints are required by the plans. Form butt joints as required by
29 Subarticle 825-10(B) for grooved contraction joints and seal.

30 Seal all joints except for joints in curb sections not having an integral gutter.

31 Fill joints in gutter with joint sealer to the top surface of the gutter.

32 Seal joints before backfilling or performing adjacent operations.

33 **(D) Surface Tolerances**

34 Finish surface within 1/4" when checked longitudinally with a 10 ft straightedge.

1 **(E) Backfilling**

2 Do not place backfill or pavement adjacent to the curb, curb and gutter, gutter, shoulder
3 berm gutter, expressway gutter or concrete valley gutter until at least 3 curing days, as
4 defined in Article 825-9, have elapsed.

5 Complete backfill within 4 calendar days after the completion of the 3 day curing period
6 unless otherwise approved.

7 Compact backfill to an approved density.

8 **(F) Opening to Traffic**

9 Vehicles may be permitted on the completed work after the following curing days, as
10 defined in Article 825-9, have elapsed. For regular strength concrete, cure for at least
11 7 curing days. For high early strength concrete, cure for at least 3 curing days.

12 **846-4 MEASUREMENT AND PAYMENT**

13 *__" x __" Concrete Curb* will be measured and paid in linear feet, accepted in place, along the
14 surface of the top of the curb.

15 *__' __" Concrete Curb and Gutter* will be measured and paid in linear feet, accepted in place.
16 Measurement will be made along the surface of the top of the curb.

17 *__' Concrete Gutter* will be measured and paid in linear feet accepted in place. Measurement
18 will be made along the surface of the top of the curb.

19 *Shoulder Berm Gutter* will be measured and paid in linear feet, accepted in place.
20 Measurement will be made along the surface of the top of the curb.

21 *Concrete Expressway Gutter* will be measured and paid in linear feet, accepted in place.
22 Measurement will be made along the surface of the top of the curb.

23 *Concrete Valley Gutter* will be measured and paid in linear feet, accepted in place.
24 Measurement will be made along the surface of the top of the curb.

25 Work includes providing all materials, placing all concrete, excavating and backfilling,
26 forming, finishing, constructing and sealing joints, and all incidentals necessary to complete
27 the work.

28 Payment will be made under:

Pay Item	Pay Unit
<i>__" x __" Concrete Curb</i>	Linear Foot
<i>__' __" Concrete Curb and Gutter</i>	Linear Foot
<i>__' Concrete Gutter</i>	Linear Foot
Shoulder Berm Gutter	Linear Foot
Concrete Expressway Gutter	Linear Foot
Concrete Valley Gutter	Linear Foot

29 **SECTION 848**
30 **CONCRETE SIDEWALKS, DRIVEWAYS AND CURB RAMPS**

31 **848-1 DESCRIPTION**

32 Construct Portland cement concrete sidewalks, driveways and curb ramps in accordance with
33 the contract.