

SECTION 1755
BEACON CONTROLLER ASSEMBLIES

1

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3 **1755-1 DESCRIPTION**

4 Furnish and install beacon controller assemblies with cabinets. Furnish all pole mounting
5 hardware, solid state flashers, one Corbin Number 2 cabinet key, surge protection, grounding
6 systems and all necessary hardware.

7 **1755-2 MATERIAL**

8 Refer to Division 10.

Item	Section
Beacon Controller Assembly	1098-17
Grounding Electrodes	1091-6
Wire	1091-2

9 Furnish material, equipment and hardware under this section that is pre-approved on the
10 ITS and Signals QPL.

11 **1755-3 CONSTRUCTION METHODS**

12 Remove existing beacon controller assemblies where required. Remove maintenance diary
13 from cabinet and place in new cabinet or deliver to the Engineer. Take existing equipment
14 out of service only at the time directed.

15 Locate new beacon controller assemblies so as not to obstruct sight distance of turning
16 vehicles.

17 Install new beacon controller assemblies. Provide external electrical service disconnect at
18 new and existing cabinet locations unless otherwise specified.

19 Stencil signal inventory number on cabinet side facing roadway. Use 3" black characters.
20 Provide serial number and cabinet model number for each new beacon controller assembly.

21 Install pole mounted cabinets so height to cabinet middle is 4 ft.

22 **1755-4 MEASUREMENT AND PAYMENT**

23 *Beacon Controller Assembly and Cabinet* (____) will be measured and paid as the actual
24 number furnished, installed and accepted.

25 No measurement will be made of surge protectors, external electrical service disconnect,
26 grounding systems and removing existing beacon controller assemblies as these are incidental
27 to furnishing and installing beacon controller assemblies.

28 Payment will be made under:

Pay Item	Pay Unit
Beacon Controller Assembly and Cabinet (____)	Each

29

30

SECTION 1757
REMOVAL OF EXISTING TRAFFIC SIGNALS

31 **1757-1 DESCRIPTION**

32 Remove existing traffic signal materials and associated signal hardware.

Section 1757

1 **1757-2 CONSTRUCTION METHODS**

2 **(A) General**

3 Remove existing traffic signals at the locations indicated in the contract. Maintain and
4 repair traffic signal equipment within the limits of the project until the traffic signal
5 equipment is disconnected and stockpiled.

6 **(B) Removal**

7 Dismantle and remove existing traffic signal equipment and material, excluding joint use
8 poles. Disconnect and remove all Department equipment from joint use poles in
9 a manner that will not damage the poles or existing utilities. Cut electrical conduit and
10 remove to at least 18" below finished ground elevation unless otherwise directed by the
11 Engineer.

12 Install the required regulatory signs in accordance with Sections 900, 901 and 903 of the
13 Standard Specifications before deactivating the traffic signal. Cover the signs with
14 burlap bags until the traffic signal is removed or put into flashing operation.

15 If necessary to flash the traffic signal before removal of the signal equipment,
16 immediately uncover the signs before placing the traffic signal into flashing operation.
17 Operate the flashing operation for a period of time as directed by the Engineer.

18 Deactivate, dismantle and remove the traffic signal after the period of flashing operation
19 or as directed by the Engineer.

20 Use methods to remove the traffic signal that will not result in damage to other portions
21 of the project or facility. Repair damage that results from the Contractor's actions at no
22 additional cost to the Department.

23 Final acceptance of the project is contingent upon the removal of the existing traffic
24 signal. Removal of the existing traffic signal is part of the work required by the final
25 completion date.

26 **(C) Disposal**

27 Remove all Department traffic signal equipment, span poles, messenger cable,
28 interconnect cable and supporting hardware that will not be reused. Assume ownership
29 and promptly transport the removed poles, messenger cable, interconnect cable and
30 supporting hardware. Return all other traffic signal equipment and material to the Traffic
31 Services Office within the Division responsible for the administration of the project.

32 Return the removed equipment and material between the hours of 8:00 a.m. and
33 12:00 p.m. Monday through Thursday or at a time mutually agreed upon by the
34 Contractor and the Engineer. Replace or repair all material lost or damaged during its
35 removal and transit. Label all returned equipment and material to indicate its original
36 location.

37 **1757-3 MEASUREMENT AND PAYMENT**

38 *Traffic Signal Removal* will be measured and paid as the actual number of intersections that
39 were completely cleared of all traffic signal equipment. The traffic signal equipment shall
40 have existed along the roadway before the start of construction on the project, shall have had
41 no changes made to the phasing or timing by the Contractor, shall have had no additional
42 equipment installed by the Contractor during the life of the project (excluding equipment for
43 maintenance) and shall have been removed as a part of the project.

44 Payment will be made under:

Pay Item	Pay Unit
Traffic Signal Removal	Each