

**SECTION 633 - FALSEWORK LIGHTING**

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4 **633.01 Description.** This section describes furnishing, installing, maintaining  
5 and removing temporary lighting under structure falsework.

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7 **633.02 Materials.** Materials used in constructing falsework lighting shall  
8 conform to the following:

9  
10 (A) Lampholder with high temperature, glazed porcelain, medium base  
11 socket, and UL-approved for outdoor use.

12  
13 (B) 150-watt (minimum) lamps with medium base, incandescent-type  
14 parabolic aluminized reflector (PAR) bulbs for pavement and portal face  
15 illumination.

16  
17 (C) 100-watt (minimum) lamps with medium base, incandescent-type  
18 PAR bulbs for pedestrian passageway illumination.

19  
20 **633.03 Construction.** Provide fully adjustable lampholder with built-in  
21 junction box and wiring chamber. Attach conduits directly to lampholders.  
22 Protect lamps with wire guards.

23  
24 Obtain power for falsework lighting. Provide generator(s) to operate  
25 falsework lighting in areas where utility company power service is not available.

26  
27 Maintain and operate falsework lighting.

28  
29 Provide lighting circuits with no less than two branch circuits. Provide  
30 portal floodlights and floodlights between portals with minimum one circuit.  
31 Provide each branch circuit with its own protective device. Provide lighting  
32 conductors within falsework limits in conduits.

33  
34 Provide required materials and equipment for falsework lighting. Remove  
35 materials and equipment for falsework lighting when falsework is no longer  
36 needed.

37  
38 (A) **Roadway Pavement Illumination.** Illuminate roadway pavement  
39 beneath or through falsework 24 hours per day or as ordered by Engineer.

40  
41 Illuminate roadway pavement between entrance and exit portals by  
42 continuous row of floodlights. Install floodlights beneath falsework at  
43 intervals of not more than 15 feet on center. Install end floodlights within 7  
44 feet of portal face.

45  
46 Provide one row of lights for a single lane, two rows of lights for two  
47 to four lanes, and an additional row of lights for each lane over four.

**633.03**

49 Aim and adjust floodlights so that there is no glare to motorists and  
50 no dark areas.

51

52 **(B) Pedestrian Walkway Illumination.** Illuminate pedestrian  
53 walkways beneath or through falsework 24 hours per day or as ordered by  
54 Engineer.

55

56 Illuminate pedestrian walkways beneath or through falsework with  
57 floodlights centered over passageway at intervals of not more than 15  
58 feet. Install end floodlights within 7 feet of portal face. Mount floodlights  
59 approximately 10 feet above walkway.

60

61 **(C) Falsework Portal Face Illumination.** Illuminate falsework portal  
62 faces 24 hours per day.

63

64 Illuminate falsework portal faces on side facing traffic. Mount  
65 floodlights over each vertical support next to traveled way and over center  
66 of each lane. Locate each floodlight approximately 16 feet above  
67 pavement and approximately 6 feet in front of portal face.

68

69 **633.04 Measurement.** The Engineer will not measure falsework lighting for  
70 payment.

71

72 **633.05 Payment.** The Engineer will not pay for falsework lighting separately  
73 and will consider the cost for falsework lighting as included in the contract prices  
74 for the various contract pay items under Section 503 - Concrete Structures. The  
75 cost is for the work prescribed in this section and the contract documents.

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**END OF SECTION 633**