

ADDITIONAL DETAILS FOR USE WITH DCE MEMO 23-13

Use the following to calculate the overall credit to the Department for deleting external lighting from overhead signs (Specification 700 Highway Signing, and Index 17505 – External Lighting for Signs):

- For sign lighting where the power is provided by the roadway lighting circuit, a reduction is required for power and luminaires, and an increase is required for Type XI Sheeting. The reduction for power is for each location where power is provided to the sign structure (i.e. a span truss may provide power at both supports or 2 locations) and includes the disconnect, conductors, and conduit. The reduction for each luminaire includes the luminaire, luminaire support arm, junction box, conduit, conductors, and other ancillary materials.

Power Location: (-)\$800

Each Luminaire: (-)\$1100

Type XI Sheeting: (+)\$2.70/SF

Example to calculate the removal of external lighting from a 12'x 24' (288 SF) overhead sign, with 3 luminaires, where the power was provided at one location, by the roadway lighting circuit:
 $(-800)(-1100)(-1100)(-1100) + 2.70(288) = (-) \3322.40 Credit to the Department

- For sign lighting where the power is NOT provided by the roadway lighting circuit, in addition to the credit above, delete the work associated with providing the power from the service point location to the sign location (i.e. electrical power service (pay item 639-1-AB), conduit, conductors, and pull boxes). Use statewide averages for contracts without pay items, to determine the additional credit.
- For projects where the number of luminaires is unknown (Design Build, Lump Sum, etc.), use one luminaire for every 9' of sign width.

