



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, 23219-1939

DAVID R. GEHR
COMMISSIONER

J. L. BUTNER
STATE TRAFFIC ENGINEER

November 25, 1997

Overhead Sign Lighting

MEMORANDUM

TO: District Traffic Engineers
Ms. Kathe Jefferson

On projects requiring overhead sign lighting, the "LUMI-TRAK" overhead sign lighting system has been approved for use as an alternative to walkways as required in the OSS-1 Standard Detail. The "LUMI-TRAK" system utilizes a track mounting system which provides the retrieval of luminaires for service from the shoulder of the roadway (see attachment). This system can be used on both span and cantilever overhead sign structures requiring sign lighting. The "LUMI-TRAK" system can be utilized on bridge parapet mounted signs provided the signs are installed parallel to the bridge and aesthetic considerations do not preclude its use. Certification by a licensed Professional Engineer as required in Section 105.02 of the Specifications will be required on all new installations.

The "LUMI-TRAK" system can also be installed on existing overhead sign structures as a replacement for existing walkways or where no walkway exist. Additional support calculations for the existing structure will not be required.

The following language has been developed for those projects you may wish to use the "LUMI-TRAK" system and needs to be included as a plan note.

Overhead (and bridge mounted) sign structure luminaires shall be installed on a luminaire retrieval system with supports and electrical system designed for track mounting of luminaires. Luminaire retrieval system, including the electrical system, shall be equal to "LUMI-TRAK" and designed for the number of luminaires as indicated on the plans. Hangers used to support the luminaire retrieval system shall be increased to a 7 Ft. maximum distance only where the hangers do not support sign panels. Safety switch as indicated in the OSS-1 electric detail shall be relocated to the front side of the turnable end as required by "LUMI-TRAK". Turntable end of luminaire retrieval system shall extend to align with the vertical edge of the outside paved shoulder or extend five feet beyond the vertical edge of outermost sign luminaire whichever is greater. Walkway, handrail, luminaire support channels and associated equipment as shown in standard detail OSS-1 will not be required with the "LUMI-TRAK" system.

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On projects where the LUMI-TRAK system will be utilized, the attached public interest finding for "LUMI-TRAK" will need to be filed in the project folder for each individual project.

Unless otherwise requested by each District, conventional walkways will continue to be provided on projects designed by Central Office Traffic Engineering. If you desire to use the "LUMI-TRAK" system in your District, please advise Mr. J. M. Board and/or Ms. K. R. Rusak in advance of project design.

If you need any additional information, please call Michael L. Winn at (804) 692-0308 or E-Mail @ Winn_ML.


J. L. Butner
State Traffic Engineer

DCF/MLW

cc: Mr. C. D. Hall
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TE Specifications Committee Members

