



# MEMORANDUM

**TO:** All District Engineers **DATE:** May 29, 2003  
**FROM:** Carlos A. Lopez, P.E. *Carlos A. Lopez, P.E.*  
**SUBJECT:** Solar Powered Roadside Flashing Beacon Assembly  
Standard Sheets and Electrical Details – Ground Boxes/Battery Box

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The standard sheets mentioned above cover details for Solar Powered Roadside Flashing Beacon Assembly (SPRFBA) installations. These are now official standard sheets and are available on the TxDOT web site. Use of the standards may begin immediately. The sheets are independent of each other so that only the detail sheet with the desired configuration need be inserted into the plans. Each sheet allows for the battery (ies) to be either installed in the cabinet or in a battery ground box. A description for each sheet is listed below.

**SPRFBA (1) - 03:** This sheet covers details for mounting the beacon, sign, solar panel and equipment cabinet on one assembly.

**SPRFBA (2) - 03:** This sheet covers details for mounting the solar panel and cabinet on a timber pole at the edge of the right of way (out of the clear zone) and the sign and beacon(s) on a separate pole assembly at the required location.

**SPRFBA (3) - 03:** This sheet covers details for mounting the solar panel and cabinet on an aluminum pole assembly at the edge of the right of way (out of the clear zone) and the sign and beacon(s) on a separate pole assembly at the required location.

**ED: (13) - 03:** This sheet covers material requirements and installation details for battery ground boxes. When a battery ground box is required, insert this sheet in the plans.

If you have any questions regarding these standards, please contact Henry Wickes at (512) 416-3262 or me at (512) 416-3200.

cc: ADM  
DES  
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District Traffic Engineers  
Rick Collins, P.E., TRF-TE