GENERAL NOTES

1. All concrete shall be Class C.
2. Anchor bolts, junction box, non-metallic flexible conduit, and bonding to steel shall not be paid for directly, but will be considered subsidiary to the various bid items.
3. For proper installation and material requirements for anchor bolts and light pole, see Traffic Engineering RIP standard sheets.
4. Junction boxes shall be polymer concrete, and shall be mounted flush (+0.1/2") with concrete surface, for details and material requirements on barrier junction box, see DMS-11030.
5. See Item 13 and subsidiary to Item 514, "Permanent Concrete Traffic Barrier." (OPTIONAL) Epoxy Anchorages shall not be paid for directly, but is optional concrete anchorage.
6. Anchor bolts and their assemblies shall be in accordance with Item 449, "Anchor bolts" 1/4" minimum steel or A721 Steel, Fabrication requirements for anchor bolts are shown on RIP sheets.
7. The required anchorage for Type 4 barrier (drill shaft, standard or optional concrete anchorage) shall not be paid for directly, but is subsidiary to Item 514, "Permanent Concrete Traffic Barrier." Design Information for the barrier shall be considered subsidiary to the various bid items.
8. Bond anchor bolt to rebar cage with #6 bare stranded copper conductor.
9. Bonded Steel in the foundation provides a concrete encased grounding electrode which replaces the ground rod.

Note:
(1) Light pole and roadway anchorage shall be increased to 48" or 54". This would increase the barrier and anchorage requirements.

Polymer Concrete Junction Box:
Bar reinforcement may be field bent or cut as required to accommodate the box, as directed by the Engineer.

REINFORCEMENT

Note:
(1) All bars short bars may be field bent or cut as required to clear the barrier reinforcement cage and light pole anchor bolts.

Light Pole and Roadway Anchorage

See Anchor Bolt Detail

Section showing junction box

Concrete Safety Barrier (Type 4) Barrier

Section A-A

ANCHOR BOLT DETAIL

ANCHORAGE

CONCRETE SAFETY BARRIER (TYPE 4)

SINGLE SLOPE CONCRETE BARRIER

CAST IN PLACE (TYPE 4) AT LIGHT POLE

TL-4 MASH COMPLIANT

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