TO:

SUPERSEDED BY EB 02-019 EFFECTIVE 9/12/02

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

:CT: CABLE GUIDE RAIL MOUNTING HEIGHT

Subject Code: 7.27-2-606

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Supersedes:

APPROVED:

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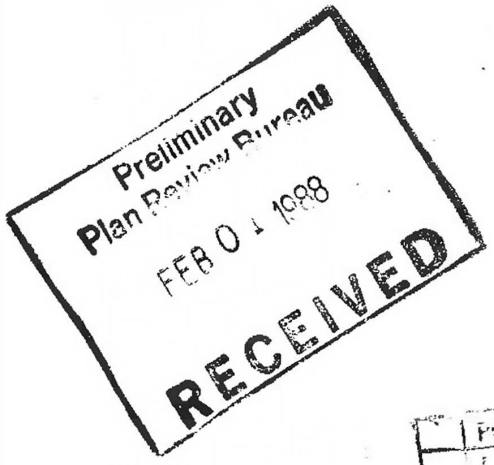
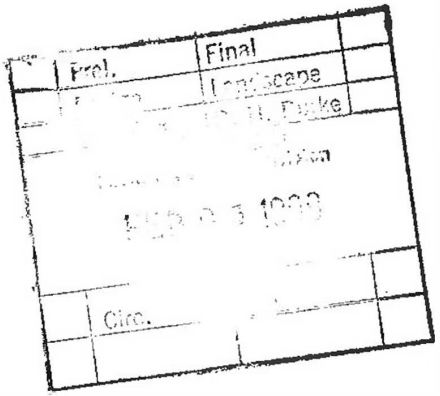
This EI transmits a proposal insert modifying the mounting height of Cable Guide Railing.

The mounting height of Cable Guide Railing has been changed from 30" to 27". The new mounting height is a result of extensive research, analysis and review of crash testing, accident data and vehicle fleet geometrics. The lower mounting height will provide increased safety for the existing and future vehicle fleet by reducing the tendency for low frontal vehicles to underride the rail elements. The accident data and full-scale crash testing confirm that center-of-rail height of 24 inches performs as well for larger and older vehicles as the 27 inch center-of-rail height.

The attached proposal insert will be included in proposals by the Final Plan Review Bureau whenever a cable guide rail item is called for in the PS&E. The new standard will become effective with the letting of June 2, 1988.