

MODIFIED BY EI 90-035
EFFECTIVE 2/14/91

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUPERSEDED BY EB 97-039
EFFECTIVE 7/1/97

SUBJECT: PARALLEL BAR TYPE GRATES AND FRAMES

Subject Code: 7.27-2-655

Distribution:

30 Main Office 32 Regions 34 Special

Code: EI 90-28

Date: 7-30-90

APPROVED:


J. R. LAMBERT, Deputy Chief Engr., Facilities Design Div.

Supersedes:

EI 78-58

We are issuing the following revised standard sheet:

655-8R5 Parallel Bar Type Grates & Frames

This revised standard sheet supersedes standard sheet 655-8R4 issued by EI 78-58. The new sheet has the following revisions.

1. Grates 6PCB, 7PCB, and 8PCB are for use in the cast iron frame shown on standard sheet 655-7R1. This frame is designed for heavy duty recticuline grates that are 4 inches thick. In the past, when parallel bar grates were installed in the cast iron frame, a 1/2 inch grate support had to be added to the bottom of the grate. Therefore, we have changed the thickness of these three grates to 4 inches to eliminate the need for the 1/2 inch support.
2. Cam type frame locking devices have been added to the 6PCB, 7PCB, and 8PCB grates so that they can be locked in place.
3. Grates 19PCB and 21PCB have been eliminated and three new grates 10PCB, 11PCB, and 12PCB have been added to this sheet. The new grates are designed to fit the new standardized drainage structures that are being issued by EI simultaneously with this engineering instruction. The new standardized drainage structure standard sheets have tables showing where each of the new parallel bar grates are to be used.

This revised standard sheet will be used on all projects with parallel bar type grates and frames commencing with the letting of February 14, 1991.