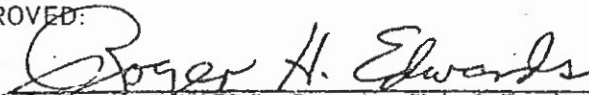


TO: SUPERSEDED BY EI 76-058 EFFECTIVE 8/27/1976	<h2 style="text-align: center;">ENGINEERING INSTRUCTION</h2> <p style="text-align: center;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> <p>SUBJECT: PARALLEL BAR TYPE GRATE & FRAMES STANDARD SHEET 655-8R2</p> <p>Subject Code: 7.27-2-655</p>
Distribution: <input type="checkbox"/> Main Office <input type="checkbox"/> Regions <input checked="" type="checkbox"/> Special	Code: <u>EI 74-85</u>
APPROVED:  ROGER H. EDWARDS, Deputy Chief Engineer, Fac. Des. Subdiv.	Date: <u>9/6/74</u> Supersedes: EI 73-085 DATE 11/30/73; EI 74-072 DATE 8/6/74

We are submitting, under separate cover, transparencies and prints of subject standard sheet. This standard sheet supersedes 655-8R1 and 73-46R1 which were issued by Engineering Instruction 73-85 dated 11/30/73.

The new sheet has changed the depth of the parallel bar from 4" to 3-1/2", eliminated the 1-3/8" spacing, added Grade 1020 and 1025 steel as acceptable alternates to ASTM A36, and changed the galvanized requirement in note 1 to ASTM A123.

Two new notes concerning this use of the parallel bar grate with cast iron frame shown on Standard Sheet 655-7 have also been added.

Also the note establishing criteria for choosing the appropriate bar spacing (1/2 inch vs. 2 inch) has been revised.

Parallel bar type grates should be used in all areas where debris is a problem. Where debris is not a factor, the designer should choose the type of grate (parallel, reticuline or rectangular) that provides sufficient capacity at least cost.

RHE:WEH:DB