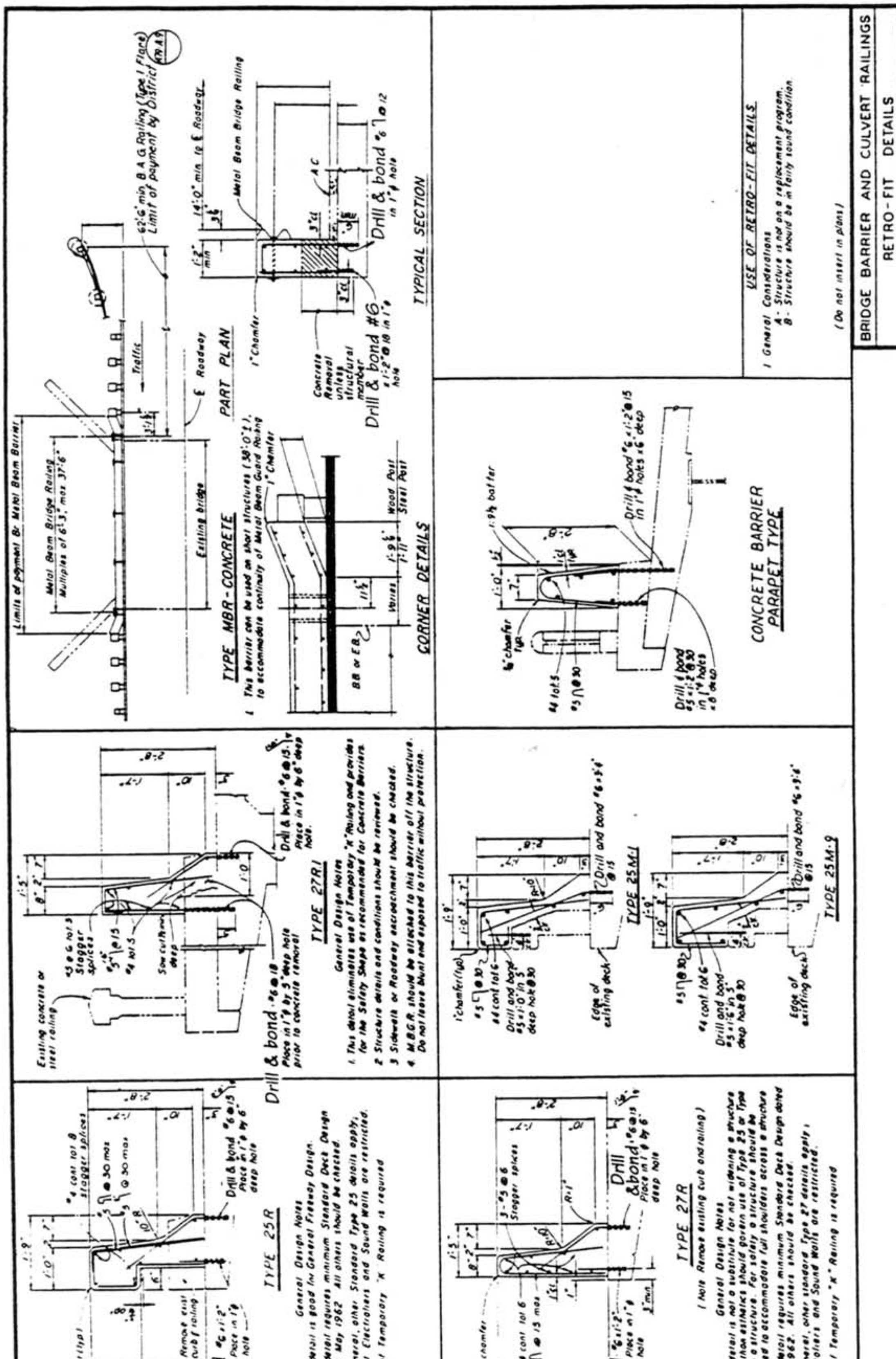
Attachment


BRIDGE BARRIER AND CULVERT RAILINGS
RETRO-FIT DETAILS
USE OF RETRO-FIT DETAILS
1 General Considerations
A - Structure is not on a replacement program.
B - Structure should be in fairly sound condition.
(Do not insert in plans)
TYPE MBR-CONCRETE
1 This barrier can be used on short structures (30'-0"±) to accommodate continuity of Metal Beam Guard Railing.
PART PLAN
TYPICAL SECTION
CORNER DETAILS
CONCRETE BARRIER PARAPET TYPE
TYPE 25R
General Design Notes
1 This detail is good for General Freeway Design.
2 This detail requires minimum Standard Deck Design dated May 1962. All others should be checked.
3 In general, other Standard Type 25 details apply, except Electroliers and Sound Walls are restricted.
4 Use of Temporary "K" Railing is required
TYPE 27R1
General Design Notes
1. This detail eliminates use of Temporary "K" Railing and provides for the Safety Shape as recommended for Concrete Barriers.
2 Structure details and conditions should be reviewed.
3 Sidewalk or Roadway encroachment should be checked.
4 M.B.G.R. should be attached to this barrier off the structure. Do not leave blunt end exposed to traffic without protection.
TYPE 25M-1
TYPE 25M-9
TYPE 27R
(Note Remove existing curb and railing)
General Design Notes
1 This detail is not a substitute for not widening a structure. More than esthetics should govern use of Type 25 or Type 27 on a structure. For safety a structure should be widened to accommodate full shoulders across a structure.
2 This detail requires minimum Standard Deck Design dated May 1962. All others should be checked.
3 In general, other standard Type 27 details apply; Electroliers and Sound Walls are restricted.
4 Use of Temporary "K" Railing is required