


TO: MAIN OFFICE REGIONAL OFFICES SUPERSEDED BY EI 79-036 EFFECTIVE 7/23/1979	ENGINEERING INSTRUCTION NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 78-52</u>
APPROVED:  Deputy Chief Engineer (Structures)	Date <u>September 1, 1978</u> Supersedes: MODIFIES EI 74-089 DATE 9/23/74

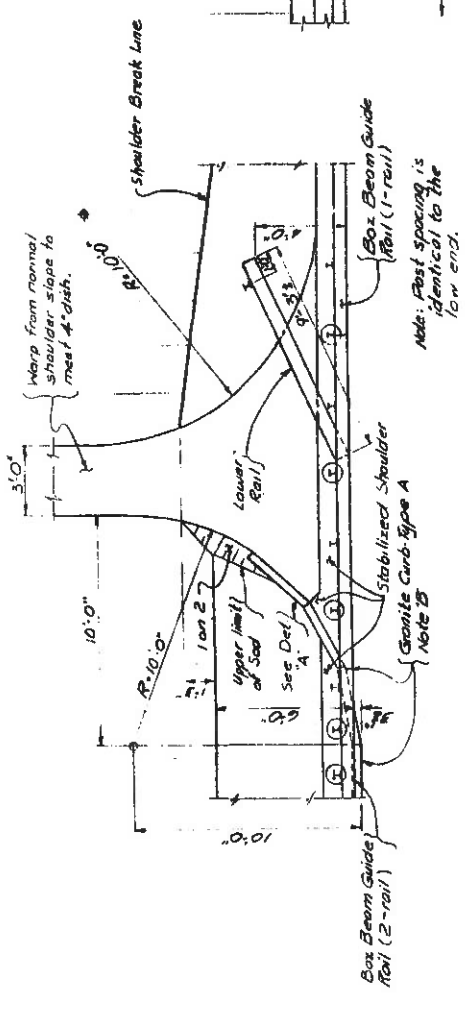
Attached, find the following:

1. Three (3) BDD Sheets Numbered 78-41A, 78-41B, and 78-41C. These sheets contain details for transitioning highway box beam guide railing to concrete safety shape barrier used as bridge railing. These details are to be used on all structures using concrete safety shape barrier as bridge railing and box beam guide railing on approaches. Any modifications must be approved by the Deputy Chief Engineer (Structures).
2. Item No. 15606.3202 - Transition-Concrete Barrier to Box Beam Guide Rail. This specification shall be used in conjunction with the details shown on the accompanying BDD Sheets.

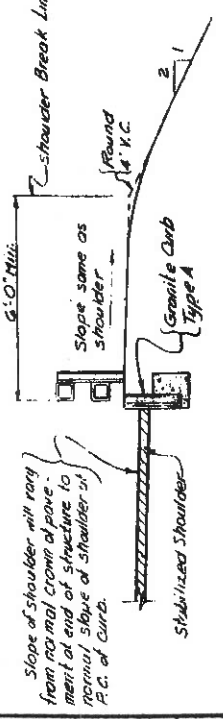
The shape of the concrete safety shape barrier has been changed from that which appears on current BDD Sheets 71-70 and 71-71. Updated versions of these two sheets will be issued in the near future.

FED. NO.	STATE	FEDERAL AND PROJECT NO.	SHEET NO.
	NEW YORK		
CAPITAL PROJECT IDENTIFICATION NO.			

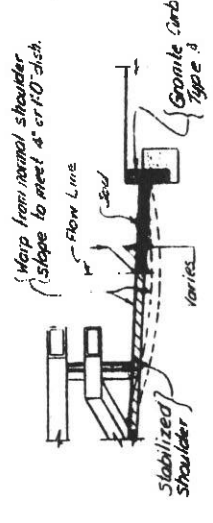
Note: Except for the sod gutter, the details of the curb, concrete barrier, guide rail, post spacing and shoulder break lines are identical to the low end.



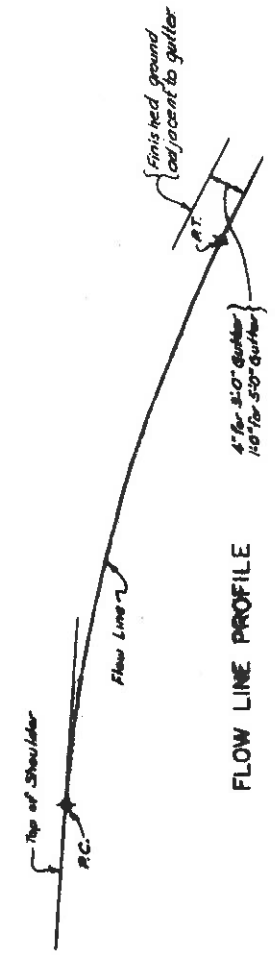
TYPE 1CB SHOULDER - HIGH END
Scale 1/4" = 1'-0"



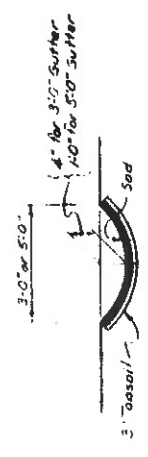
SECTION A-A



SECTION B-B

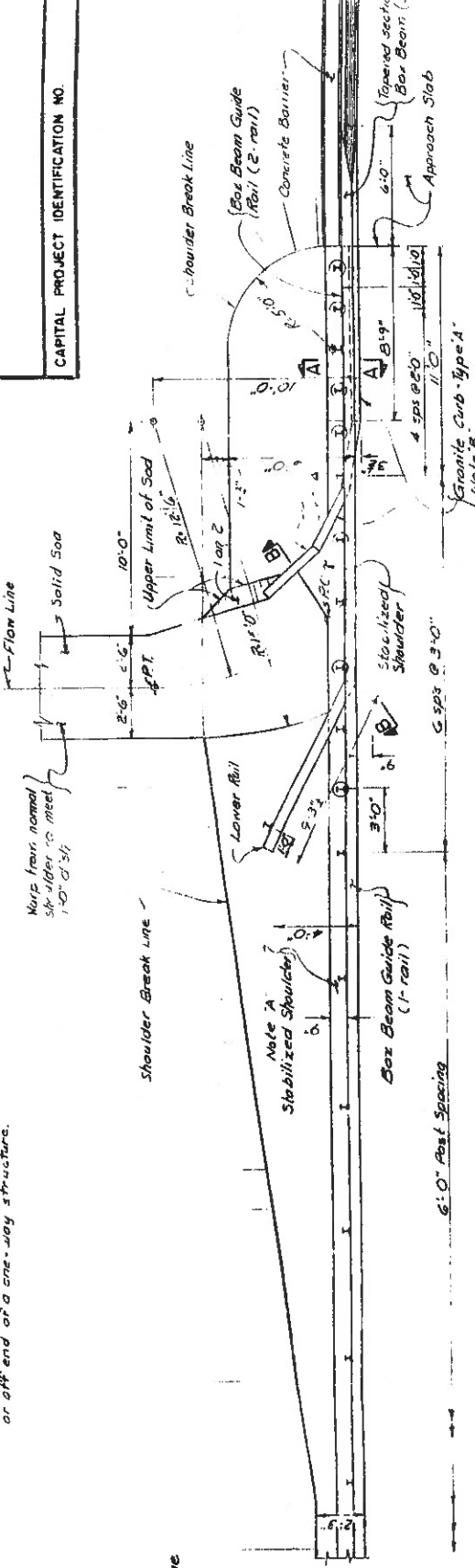


FLOW LINE PROFILE



SECTION THRU GUTTER

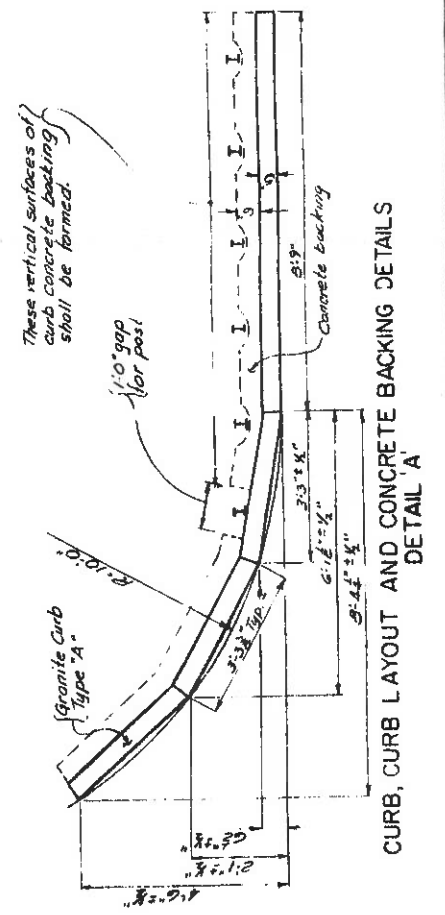
These are backup posts and will not require use of the 5'-0" x 3'-0" x 8'-0" shear angle. These backup posts shall be omitted on the trailing or off end of a one-way structure.



TYPE 1CB SHOULDER - LOW END
Scale 1/4" = 1'-0"

Note: The shoulder details are for locations where the guide rail continues on the approaches. For locations where the guide rail terminates on the approaches see the current BDD sheet titled "DRAINAGE AND APPROACH DETAILS AT ENDS OF BRIDGES AND GUIDE RAIL ON APPROACHES" for end treatment of the upper tube.

Notes:
"A" For this area with the same materials as in the stabilized shoulder, posts will be made under Stabilized 5'c Item.
"B" For details of Granite Curb Type A current standard sheet titled "CURB AND GUTTER".



CURB, CURB LAYOUT AND CONCRETE BACKING DETAILS
DETAIL A

APPROVE

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
DIVISION OF CONSTRUCTION

CONCRETE BARRIER
TRANSITION TO HIGHWAY
BOX BEAM
SHOULDER TREATMENT

DESIGNED BY: []
CHECKED BY: []
DATE: []