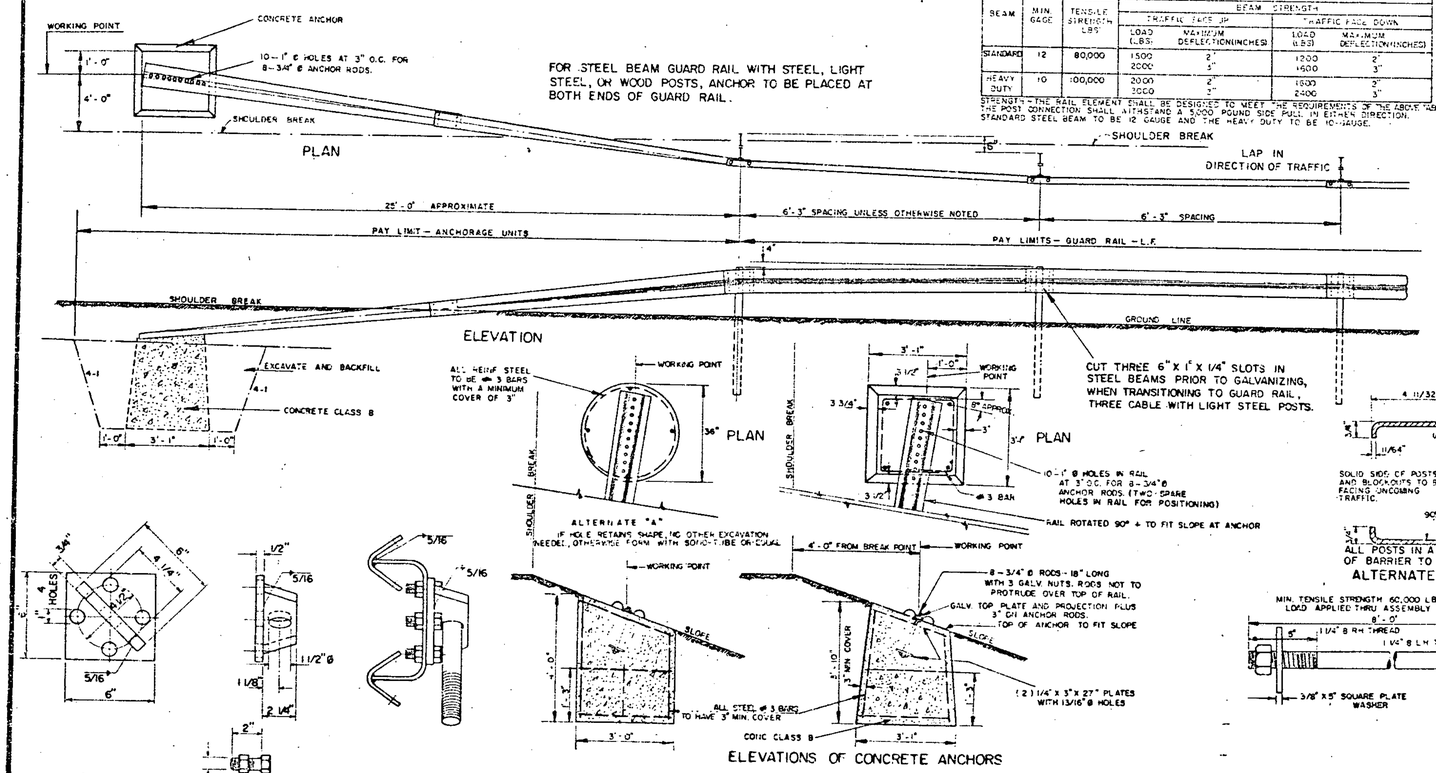
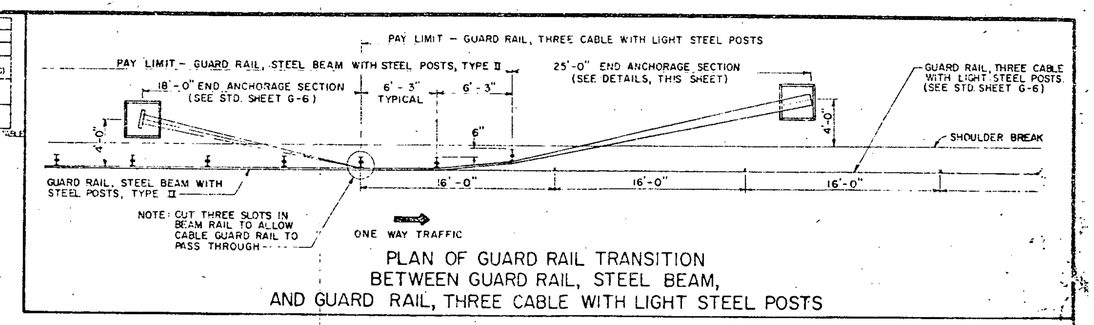
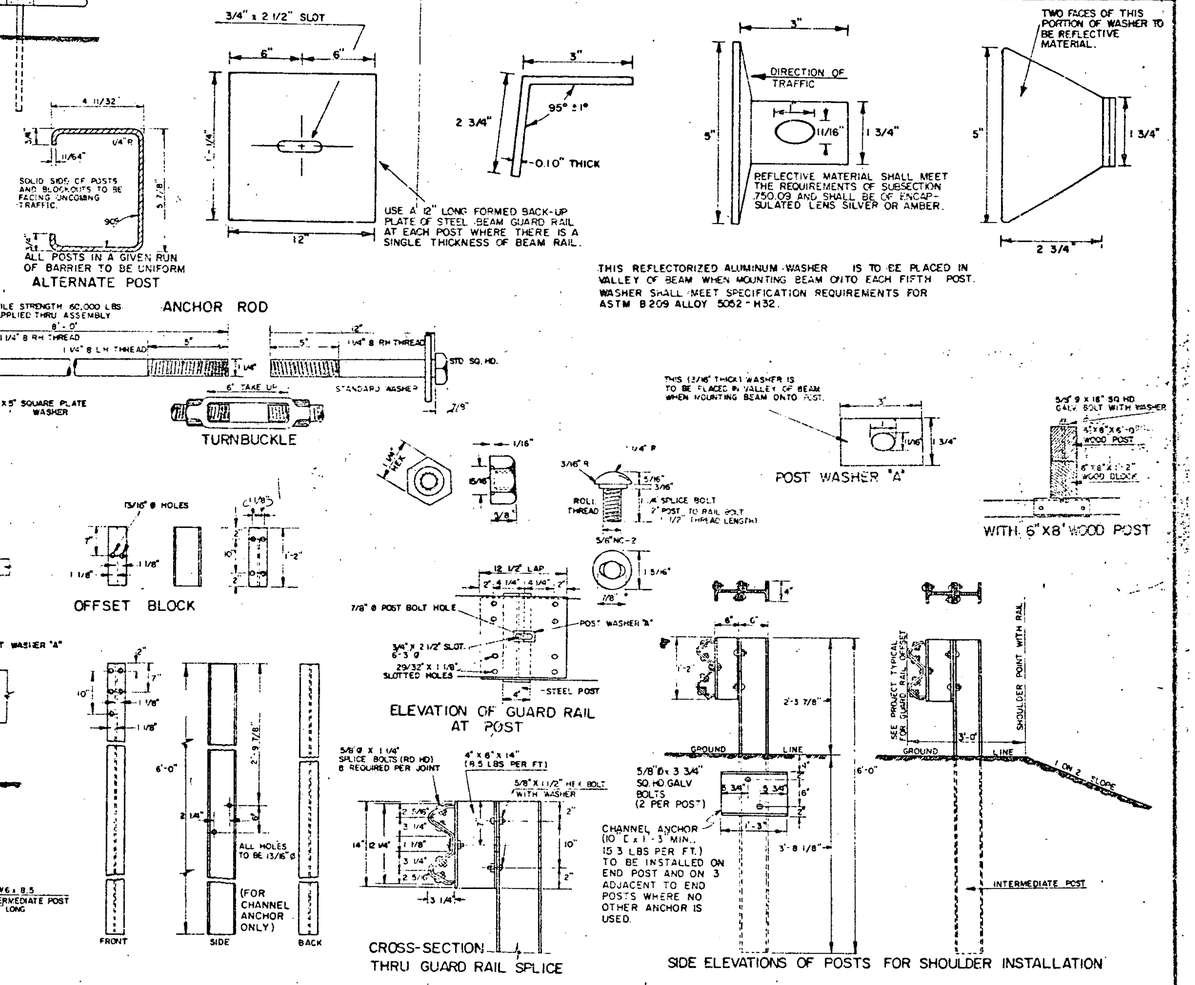
BEAM	MIN. GAGE	TENSILE STRENGTH LBS	RAIL OR JOINT BEAM STRENGTH: TRAFFIC FACE UP — LOAD (LBS)	TRAFFIC FACE UP — MAXIMUM DEFLECTION (INCHES)	TRAFFIC FACE DOWN — LOAD (LBS)	TRAFFIC FACE DOWN — MAXIMUM DEFLECTION (INCHES)
STANDARD	12	80,000	1500 2000	2" 3"	1200 1600	2" 3"
HEAVY DUTY	10	100,000	2000 2000	2" 3"	1600 2400	2" 3"

STRENGTH - THE RAIL ELEMENT SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE ABOVE TABLE. THE POST CONNECTION SHALL WITHSTAND A 5000 POUND SIDE PULL IN EITHER DIRECTION. STANDARD STEEL BEAM TO BE 12 GAUGE AND THE HEAVY DUTY TO BE 10-GAUGE.





PLAN OF GUARD RAIL TRANSITION BETWEEN GUARD RAIL, STEEL BEAM, AND GUARD RAIL, THREE CABLE WITH LIGHT STEEL POSTS



REVISIONS AND CORRECTIONS

APR. 10, 1972	POST HEIGHT INCREASED
JULY 9, 1973	NEW TRANSITION DETAIL ADDED
JUNE 4, 1974	TRANSITION REVISED, ALTERNATE ANCHOR ROD CONNECTOR AND ALTERNATE POST ADDED.
NOV. 29, 1977	ANCHOR DETAIL FOR STEEL BEAM GUARD RAIL WITH STEEL OR WOOD POSTS REMOVED.
JAN. 17, 1978	REVISED ANCHOR DETAIL.
JUNE 1, 1978	CHANNEL ANCHOR DETAILS CHANGED.
MAY. 28, 1979	NOTE ON REFLECTIVE MATERIAL CHANGED
DEC. 16, 1980	INCREASED SHOULDER WIDENING FOR GUARD RAIL.
MAR 12, 1984	REVISED ANCHOR-SPIDER DETAILS

APPROVED: DATE Oct 8, 1971

R. W. Arnold
CHIEF ENGINEER

E. H. Ottaway
ASST. CHIEF ENGINEER

G. M. Lane
HIGHWAY ENGINEER

GUARD RAIL, STANDARD STEEL BEAM, WITH STEEL POSTS, TYPE II
GUARD RAIL, STANDARD STEEL BEAM, WITH WOOD POSTS, TYPE II
GUARD RAIL, HEAVY DUTY STEEL BEAM, WITH STEEL POSTS, TYPE II
GUARD RAIL, HEAVY DUTY STEEL BEAM, WITH WOOD POSTS, TYPE II
ANCHOR FOR STEEL BEAM GUARD RAIL, WITH STEEL OR WOOD POSTS AT OPENINGS
ANCHOR FOR STEEL BEAM GUARD RAIL, WITH STEEL, LIGHT STEEL, OR WOOD POSTS

VERMONT AGENCY OF TRANSPORTATION

STANDARD

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