



BRIDGE RATINGS
 RATINGS SHOWN ON CHART ARE MAXIMUM ALLOWABLE RATINGS
 [ACTUAL RATING + 60%] AND ARE CONTINGENT UPON BRIDGES
 BEING MAINTAINED IN GOOD PHYSICAL CONDITION.
 ALL CLEARANCE RESTRICTIONS MUST BE MET.

COOPERS E-LOAD DESIGN	RATING	
	ACTUAL	ALLOWABLE
25	112.5	180
30.6	137.5	220
33.3	150	240
37.5	168.8	270
38.9	175	280
40.3	181.3	290
41.7	187.5	300
44.4	200	320
50	225	360
52.8	237.5	380

ENGINE OPERATION
 ENGINES ARE RATED ON THE MAXIMUM ACTUAL LOAD EFFECT ON VARIOUS
 BRIDGE SPANS 10' TO 150'. ALL W.M.RY. ENGINES AND CERTAIN P.R.R. ENGINES
 MAY BE OPERATED OVER THE RAILROAD, EXCEPT AS FOLLOWS:

SEE SHEET 2 OF 2

CAR OPERATION
 CARS HAVING A MAXIMUM GROSS WEIGHT [CAR & LADING] NOT TO EXCEED
 263,000 LBS. MAY BE OPERATED OVER THE RAILROAD, EXCEPT THAT, ON THE
 TRACK SECTIONS SHOWING A RATING LESS THAN 263, THE MAXIMUM GROSS
 WEIGHT OF CAR, IN THOUSANDS OF LBS., MUST NOT EXCEED THE RATING SHOWN.
 CARS HAVING A GROSS WEIGHT EXCEEDING 263,000 LBS. AND CARS HAVING A
 GROSS WEIGHT, IN THOUSANDS OF LBS., EXCEEDING THE RATING SHOWN FOR
 ANY SECTION OF TRACK, MUST NOT BE OPERATED OVER THAT SECTION OF
 TRACK, EXCEPT UNDER SPECIAL RULING FOR EACH CASE.
 THE ABOVE IS BASED ON FOUR AXLE CARS OF AVERAGE LENGTH.
 A 70-TON CAPACITY CAR, WITH A GROSS WEIGHT OF 210,000 LBS., MAY BE
 OPERATED OVER THE STATE LINE BRANCH AT A SPEED NOT TO EXCEED 10
 M.P.H., PROVIDED IT IS PRECEDED & FOLLOWED BY ONE EMPTY CAR.
 FOR CRANE OPERATION - SEE CURRENT TIMETABLE NO. 2.

REVISIONS:
 10-20-64 CHANGED "ENGINE OPERATION" NOTE

WESTERN MARYLAND RAILWAY CO.
 OFFICE OF CHIEF ENGINEER
 BALTIMORE, MARYLAND.
BRIDGE RATING CHART
FOR ENGINES & CARS
 SCALE: NONE
 DATE: NOV. 30, 1963
 APPROVED: *F. H. Etchison*
 CHIEF ENGINEER
 SHEET 1 OF 2
 NO. 1-G-9-C