



Rating Summary

CRAWFORD Co.  
 CHARTER OAK 18  
 129670

JAR  
 12/17/03

Standard Series: W (W1 thru W5)

Date Issued: 1924 (Including 1925, 1928, and 1931 revisions.)

Standard No.	Span Length ft.	Rating (1) (HS)		Legal Load Capacity, Tons (1)		
		Inv.	Oper.	Truck Type	4	3S3
W1	50	15.6	22.8	L	L	L
→ W2	60	16.3	24.9	L	L	L ←
W3	70	16.9	25.2	L	L	L
W4	80	17.0	25.4	L	L	L
W5	90	16.3	24.4	L	L	L

(1) Does not include any allowance for added wearing surface. (L = Legal)

CHARTER OAK 18' BRIDGE APPEARS SIMILAR TO W2 STANDARD, BUT WITH A TIMBER DECK. ∴ DUE TO REDUCTION IN D.L. (FOR USING TIMBER INSTEAD OF CONCRETE DECK), TRUSS RATING WILL BE HIGHER THAN FOR STANDARD (LEGAL).

CHECK DECK RATING. SEE ATTACHED SHEETS.

BRIDGE IS A MODIFIED W2 FONY TRUSS WITH STEEL STRINGER APPROACH SPANS.

SEE ATTACHED RATINGS.

	INV				OPER			
	4	3S3A	3-3	HS20	4	3S3A	3-3	HS20
W. APPR.								
STRINGER	17	28	31	21	25	39	44	29
DECK	-	-	-	-	L	L	L	-
TRUSS								
TRUSS	-	-	-	17	L	L	L	25
DECK	16*	24*	23*	13*	20*	29*	28*	15*
E. APPR.								
STRINGER	21	32	37	25	29	45	52	36
DECK	25	36	35	19	30	44	42	23

\* CONTROLS

NE & NW BEARING BLOCKS ARE SEVERELY ROTTEN

∴ POST "410,522,628 ALL VEHICLES"  
AND USE:

	4	3S3A	3-3	HS20
OPER	10	22	28	15
INV	8	17	23	13

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

