

**THE
BALTIMORE AND OHIO RAILROAD
COMPANY
AND
THE B. & O. C. T. RAILROAD CO.**



**INSTRUCTIONS GOVERNING THE OPERA-
TION OF ENGINES AND CARS SO FAR
AS STRENGTH OF BRIDGES
IS CONCERNED.**

EFFECTIVE APRIL 1, 1948.

**THE BALTIMORE AND OHIO RAILROAD
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**INSTRUCTIONS GOVERNING THE
OPERATION OF ENGINES
AND CARS**

SO FAR AS STRENGTH OF BRIDGES IS CONCERNED, PROVIDED THE BRIDGES ARE IN GOOD PHYSICAL CONDITION, AND SO MAINTAINED

The instructions herein contained govern the operation of engines and cars and supersede all previous instructions.

Special instructions will be issued, from time to time, as bridge conditions or general conditions change.

All officers having to do with the operation of engines and cars must become familiar with these instructions and govern themselves accordingly.

These instructions must be observed.

EFFECTIVE APRIL 1, 1948.

APPROVED:

A. C. CLARKE,
Chief Engineer.

C. E. SLOAN,
Engineer of Bridges.

APPROVED:

C. W. VAN HORN,
Vice-President,
Operation and Maintenance.

EXPLANATORY NOTES COVERING ENGINE AND CAR OPERATION FROM THE STANDPOINT OF STRENGTH OF BRIDGES

On pages 51 to 58 there is shown the ratings of engines, electric and gas-electric motor cars, according to effect on bridges.

On page 59 there is also shown the ratings of steam wrecking cranes and other equipment, according to effect on bridges.

On pages 3 to 49, and also on the charts, there is shown a corresponding rating, based on the carrying capacity of the bridges in the territory.

An asterisk (*) following the territorial rating indicates exceptions, or restrictions or both, these being given in separate columns following the rating, in "Schedule of Engine and Car Operation," pages 3 to 49.

Exceptions refer to engines, cars, or other equipment having a rating somewhat higher than that of the territory concerned, but which are permitted to operate, after special investigation has been made.

Restrictions refer to slow orders, single-heading of engines or other special conditions to be observed. Such restrictions must be rigidly observed.

Where the territorial rating is not followed by an asterisk (*), only engines having a rating equal to or less than the territorial rating can be operated.

Rating of connections to foreign lines refers only to that portion owned and maintained by the Baltimore and Ohio R. R. Co. and the B. & O. C. T. Railroad Co.

CAR OPERATION

Cars of gross weight in thousands of pounds not to exceed the rating shown may be operated wherever the rating is 240 or less (for instance, where a territory is rated at 150, cars of gross weight of 150,000 lbs. or less may be operated). Where the rating for a territory is more than 240, the gross weight of cars must be limited to 240,000 lbs.

Cars of a gross weight in excess of 240,000 lbs. must not be operated, except under special ruling for each case.

GENERAL

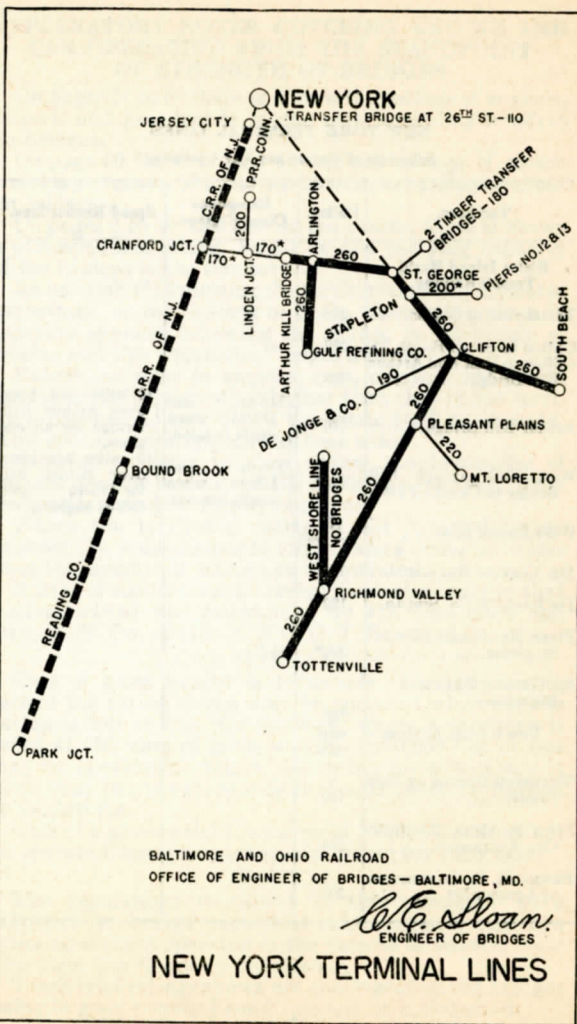
The regulations contained in this pamphlet have reference to bridge capacities only; engines, cars and other equipment operated in the various territories must also meet the clearance conditions.

Territorial ratings shown are contingent on the bridges being in good physical condition and so maintained.

NEW YORK TERMINAL LINES

Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
Staten Island Rapid Transit Railway.			
Tottenville to Clifton.....	260		
Clifton to South Beach....	260		
Clifton to East End Arthur Kill Bridge.....	260		
Arthur Kill Bridge.....	170*	DS-4E and DS-5A when single headed.	10 miles per hour over Arthur Kill Bridge for all engines.
West End Arthur Kill Bridge to Cranford Jct..	170*		
WEST SHORE LINE.....	No bridges	DS-4E and DS-5A when single headed.	10 miles per hour over Bridge 241 for DS-4E and DS-5A engines.
MT. LORETTO BRANCH.....	220		
DE JONGE & CO. SIDING..	190		
PIERS No. 12 and 13—Stapleton.....	200*	E-27ca.	
ST. GEORGE TRANSFER BRIDGES—			
Two timber bridges..	180 cars only		
TRANSFER BRIDGE AT 26TH STREET.....	110		
SPUR TO GULF REFINING Co., ARLINGTON.....	260		
PENNA. R. R. CONNECTION AT LINDEN JCT.....	200		



BALTIMORE DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
Baltimore Division—East.			
MAIN LINE—Park Jct. to Elsmere Jct.	270*	{ W. Cr. X-45 to X-48.	{ 10 miles per hour over Bridges 65-H and 65-I for W. Cr. X-45 to X-48.
Elsmere Jct. to Bay View.	320		
Baltimore Terminal Division.			
BALTIMORE BELT R. R.—Bay View to Camden Station.	240*	{ N-1, T, T-1, T-2, T-3, T-3A, T-3B (single headed only), Q-4, Q-4a, Q-4b, Q-4c, Q-4d, Q-4e, Q-4f, Q-4g, Q-4h, Q-4i, Q-4j, Q-4k, Q-4l, Q-4m, Q-4n, Q-4o, Q-4p, Q-4q, Q-4r, Q-4s, Q-4t, Q-4u, Q-4v, Q-4w, Q-4x, Q-4y, Q-4z, P-7, P-7a, P-7b, P-7c, P-7d, P-7e, P-7f, P-7g, P-7h, P-7i, P-7j, P-7k, P-7l, P-7m, P-7n, P-7o, P-7p, P-7q, P-7r, P-7s, P-7t, P-7u, P-7v, P-7w, P-7x, P-7y, P-7z, P-9a, V-1, V-3, V-4 and W. Cr. X-45 to X-48.	{ 10 miles per hour over Bridges 3 and 10 for N-1, T, T-1, T-2, T-3, T-3A, T-3B (single headed), P-7d (single headed), Q-4, Q-4a, Q-4b, Q-4c, Q-4d, Q-4e, Q-4f, Q-4g, Q-4h, Q-4i, Q-4j, Q-4k, Q-4l, Q-4m, Q-4n, Q-4o, Q-4p, Q-4q, Q-4r, Q-4s, Q-4t, Q-4u, Q-4v, Q-4w, Q-4x, Q-4y, Q-4z, V-4 engines and W. Cr. X-45 to X-48.
MAIN LINE—Camden Station to Carroll.	270*	{ T, EL-1 to EL-6a and W. Cr. X-45 to X-48.	{ 10 miles per hour over Bridge 2-B for EL-1 to EL-6a engines and W. Cr. X-45 to X-48.
MAIN LINE—Carroll to Relay.	320		
Baltimore Division—West.			
MAIN LINE—Relay to Frederick Jct. to Pt. of Rocks to Weverton.	320		
WASHINGTON BRANCH—Relay to Washington.	320		
METROPOLITAN BRANCH—Washington to Point of Rocks.	320		

BALTIMORE DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
Baltimore Division—East.			
DELAWARE BRANCH— East Side Yard to Reed St.	320		
ATLANTIC REFINING CO. SIDING, Philadelphia....	270		
S. PHILADELPHIA BRANCH— Queen St. to Tidewater/ Terminal Yard.....	No bridges.		
TRANSFER BRIDGE. PIER 62.	{ 180 cars only		
TRANSFER BRIDGE. PIER 40.	{ 180 cars only		
NAVY YARD BRANCH— Navy Yard Branch Jct. to Navy Yard.....	320		
WARNER CO. SIDING.....	320		
CRUM CREEK BRANCH— Eddystone to Baldwin Locomotive Works....	320		
VIRGINIA BARREL CO. SIDING, Eddystone.....	200		
MARKET ST. BRANCH— Elsmere Jct. to Market St.	270*	{ W. Cr. X-45 to X-48.....	{ 15 miles per hour over Bridge 3-A for W. Cr. X-45 to X-48.
LANDENBERG BRANCH— Landenberg Jct. to Green Bank.....	No bridges.		
Green Bank to South- wood.....	160*	{ B-18c, B-18CA, B-18D, B-18E..	
CONTINENTAL DIAMOND FIBRE CO. SIDING, Green Bank.....	160*	{ B-18c, B-18CA, B-18D, B-18E..	{ 15 miles per hour over Bridge 6-A for all engines.
HELME SNUFF CO. SID- ING, Yorklyn.....	160*	{ B-18c, B-18CA, B-18D, B-18E..	{ 15 miles per hour over Bridge 12-D for all engines.
L. C. & S. BRANCH— Childe to Providence....	170		
PERRYVILLE BRANCH.....	{ No bridges.		

BALTIMORE DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
Baltimore Terminal Division.			
CANTON BRANCH—			
Bay View to Canton....	240*	{ W. Cr. X-45 to X-48.....	{ 15 miles per hour over Bridges 1-C and 2-A for W. Cr. X-45 to X-48.
STEEL TRANSFER BRIDGE AT CANTON			
Light Car Track.....	180		
Engine and Heavy Car Track.....	240		
HIGHLANDTOWN BRANCH— Highlandtown Jct. to Highlandtown.....	170*	DS-4E.....	{ 15 miles per hour over Bridge 1 for DS-4E engines.
TRANSFER BRIDGE AT FELS STREET.....	{ 180 cars only		
SPARROWS POINT BR.— Sparrows Point Jct. to Colgate Creek.....	240*	{ W. Cr. X-45 to X-48.....	
PATAPSCO NECK BRANCH— Penn-Mary Jct. to Bear Creek Jct.....	240		
COAL TRESTLE, 23rd St... LOCUST POINT BRANCH— Bailey to Locust Point..	240 320		
MUNICIPAL HARBOR BELT Rwy, Baltimore.....	170*	C-16.....	
STEEL TRANSFER BRIDGE AT LOCUST POINT			
Light Car Track.....	180		
Engine and Heavy Car Track.....	240		
COAL PIER, Locust Point.. WARNER ST. SIDING.....	190 220		
SOUTH BALTIMORE BR.— Carroll to Clifford.....	270*	{ W. Cr. X-45 to X-48.....	{ 15 miles per hour over Bridge 2-A for W. Cr. X-45 to X-48.
CURTIS BAY BRANCH— Curtis Bay Jct. to Clifford.....	240*	{ Q-4, Q-4A, Q-4B, Q-4C, Q-1XA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, EL-6A and W. Cr. X-45 to X-48.....	{ 10 miles per hour over Bridge 1-D for EL-6A engines and W. Cr. X-45 to X-48.

BALTIMORE DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions
Baltimore Terminal Division—Con.			
Clifford to Curtis Bay Coal Pier.....	240*	{ Q-4, Q-4A, Q-4B, Q-4C, Q-1XA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, and EL-6A....	{ 10 miles per hour over Bridge 3-A for Q-4, Q-4A, Q-4B, Q-4C, Q-1XA, T-1, T-2, T-3, T-3A, T-3B and EL-6A engines. 10 miles per hour over Bridge 5-A for EL-6A engines.
Curtis Bay to Marley Neck Jct.....	240		
SEA WALL BRANCH— Crisp to East Brooklyn.	No bridges.		
MEXICAN PETROL CO. SID- ING, Fairfield.....	270		
MARLEY NECK BRANCH— Marley Neck Jct. to end of Branch.....	240 220		
STANDARD PHOSPHATE CO. STEEL TRANSFER BRIDGE AT DAVISON CHEMICAL Co.....	180		
MT. CLARE BRANCH CON- NECTION— Mt. Clare Jct. to Carroll.	320		
MT. CLARE BRANCH— West Baltimore to Mt. Clare Junction.....	320		
Mt. Clare Jct. to Mt. Clare.....	320		
Mt. Clare to Aliceanna St.....	170*	C-16.....	
Baltimore Division—West.			
DOUGHNUT CORP. OF AMERICA SIDING, Elli- cott City.....	210*	{ D-30, Q-1AA, Q-1C, Q-7F....	{ 15 miles per hour for all engines.
MT. AIRY CUT-OFF.....	320		
MCCOMAS CO. SIDING, Monrovia.....	320		
FREDERICK BRANCH— Frederick Junction to Frederick.....	No bridges.		

BALTIMORE DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
Baltimore Division —West—Con.			
ADAMSTOWN CUT-OFF— Adamstown Jct. to Point of Rocks.....	320		
HOUSE OF CORRECTION SIDING, Jessup.....	260		
FORT GEO. G. MEADE BRANCH— Ft. Geo. G. Meade Jct., to Ft. Geo. G. Meade.	270		
PATUXENT BRANCH— Switch to east end of Bridge 4.....	240		
East end Bridge 4 to end of line.....	130*	B-8, B-8A.....	
ALEXANDRIA BRANCH— Alexandria Jct. to Shep- herd.....	270*	{ W. Cr. X-45 to X-48.....	{ 15 miles per hour over Bridge 1-A for W. Cr. X-45 to X-48.
GOVERNMENT PRINTING OFFICE WAREHOUSE SID- ING.....	240		
GEORGETOWN BRANCH— Georgetown Jct. to Chevy Chase.....	240		
Chevy Chase to George- town.....	220*	{ L-1, L-1A, L-2, L-2A, L-2B, L-2C, L-3, L-2A, L-2B, L-2C, L-3, D-30, Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3 and Q-7F.....	{ 15 miles per hour over Bridge 18 for L-1, L-1A, L-2, L-2A, L-2B, L-2C, L-3, D-30, Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3 and Q-7F engines.
WASHINGTON CO. R. R.— Weverton to Hagerstown	260*		{ 10 miles per hour over Bridge 81 for all engines.
ANTITAM BRANCH— Security Jct. to Security.	240		

CUMBERLAND DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
Weverton to Cumberland.....	320		
Cumberland to Grafton.....	320		
BAKER BRANCH—			
Engle to Bakerton.....	210		
H. S. HESKETT Co. SIDING,			
Reedson.....	240		
STANDARD LIME & STONE			
Co. SIDING, Martinsburg.	260		
C. R. & P. V. BRANCH—			
Cherry Run to Cumbo			
Yard.....	360		
Cumbo Yard to P. R. R.			
Jct.....	360		
BERKELEY SPRINGS AND			
POTOMAC BRANCH—			
Hancock to Berkeley			
Springs.....	200		
PENNA. GLASS Co. SID-			
ING.....	240		
MAGNOLIA CUT OFF—			
Orleans Road Tower to			
Okonoko Tower.....	360		
SOUTH BRANCH—			
Greenspring to Romney.	240		
MOOREFIELD AND VA. BR.—			
Romney Jct. to West			
Romney.....	240		
West Romney to Peters-			
burg.....	170*		} 15 miles per hour over Bridges 562 and 571 for engines rated 160 or more.

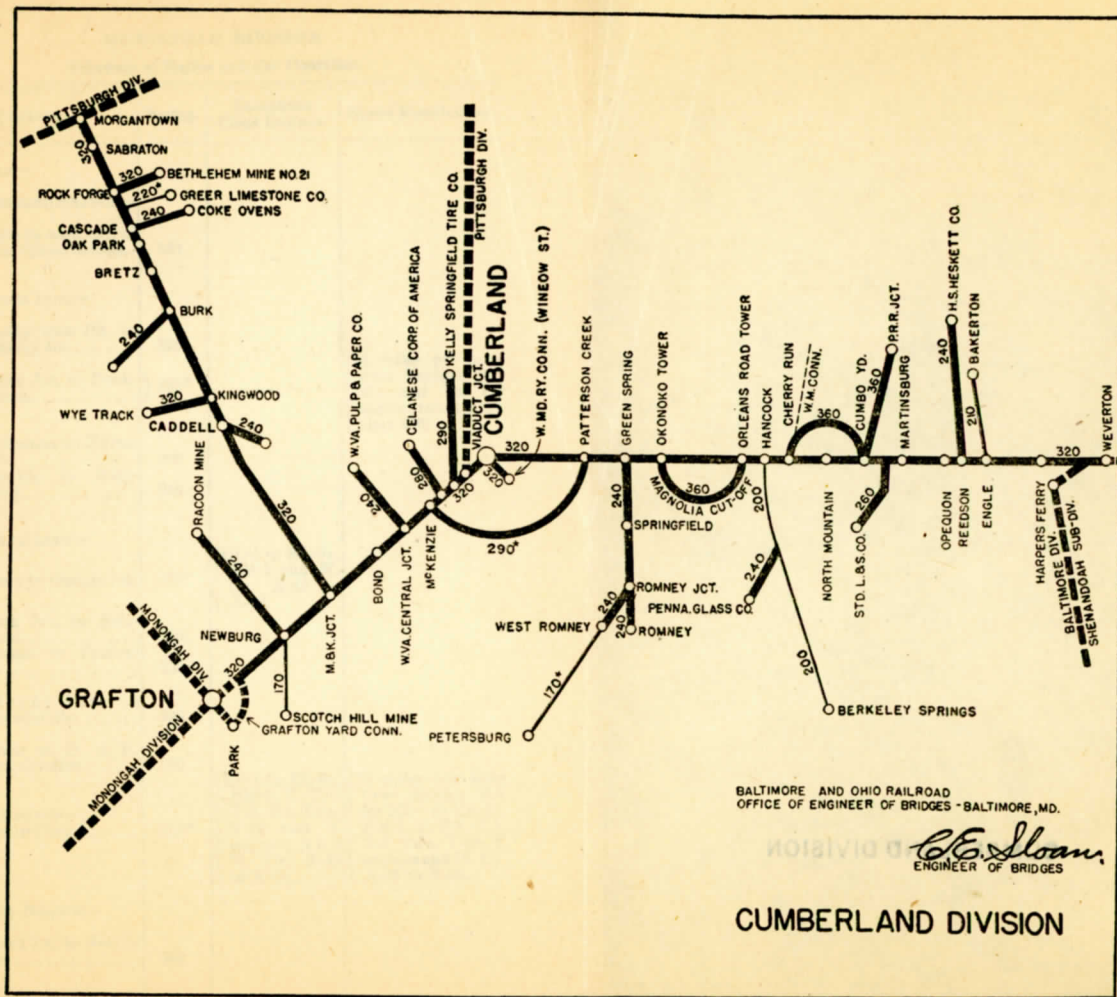
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CUMBERLAND DIVISION

Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
PATTERSON CREEK AND POTOMAC CUT OFF— Patterson Creek to McKenzie.....	290*	{S, S-1, S-1A, S-1s and EM-1	{25 miles per hour over Bridge 64-A for S, S-1, S-1A, S-1s and EM-1 engines.
W. M. R'y CONNECTION, Cumberland (Wineow St.) Switch to beginning of W. M. Timber Trestle Co.....	320		
KELLY-SPRINGFIELD TIRE Co.....	290		
CELANESE CORP. OF AMERICA.....	280		
W. VA. PULP AND PAPER Co. SIDING.....	240		
M. & K. BRANCH— M. & K. Jct to Morgantown.....	320		
RAILROAD COMPANY SIDING, Caddell.....	240		
"Y" TRACK AT KINGWOOD.....	320		
BRANNON, FULLER, LEMON & HAWTHORNE SIDING, Burk.....	240		
SIDING TO COKE OVENS, Cascade.....	240		
GREER LIMESTONE Co. SIDING.....	220*		{15 miles per hour over bridge.
BETHLEHEM MINE NO. 21, Rock Forge.....	320		
RACCOON MINE SIDING, Newburg.....	240		
SCOTCH HILL MINE SIDING, Newburg.....	170		

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BALTIMORE AND OHIO RAILROAD
OFFICE OF ENGINEER OF BRIDGES - BALTIMORE, MD.

C.E. Sloan
ENGINEER OF BRIDGES

CUMBERLAND DIVISION

MONONGAH DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
PARKERSBURG BRANCH—			
Grafton to west end of Ohio River Bridge..	320		
RICHWOOD LINE—			
Berkeley Run Jct. to Century Jct.....	320		
Century Jct. to Buckhannon.....	280*	.....	15 miles per hour over Bridges 267, 273 and 292 for engines rated more than 240.
Buckhannon to Burnsville.....	290		
Burnsville to Richwood.....	240		
WHEELING LINE—			
Grafton to Gaston Jct.	280*	{EL-1 to EL-5A, EM-1 and W. Cr. X-45 to X-48.	
Gaston Jct. to Fairmont.....	320		
Fairmont to Federal Jct.....	320		
Federal Jct. to Moundsville.....	290		
CONNECTION TO G. & B. BRANCH, Grafton.....	320		
G. & B. BRANCH— Grafton to Park.....	250*	{EL-1 to EL-6A, EM-1, T, T-1, T-2, T-3, T-3A, T-3B and Y engines, and W. Cr. X-45 to X-48.....	{15 miles per hour over Bridge OA for EL-1 to EL-6A, EM-1, T, T-1, T-2, T-3, T-3A, T-3B, Y engines and W. Cr. X-45 to X-48.
SAND LICK BRANCH—			
Sand Lick Jct. to Wendel Mine.....	250		

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MONONGAH DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions
ASTOR BRANCH— Flemington to Galloway Mine.....	250		
BEAR MOUNTAIN MINE BR. PEPPER MINE SIDING.....	240 220		
ROSEMONT MINE TRACK..	240		
CLARKSBURG BRANCH— Clarksburg Branch Jct. to Elk Ave.....	240		
Elk Ave. to Peacock Coal Co.....	220*		15 miles per hour over Bridge 142 for all engines.
GRASELLI BRANCH.....	240		
CONSOLIDATION MINE NO. 25 SPUR.....	260		
MONONGAHELA RIVER R.R. BRANCH— Clarksburg to Hay- wood.....	240*	KK-1, KK-2..	
Haywood to Gaston Jct.	320		
ENGINE HOUSE TRACKS, Clarksburg.....	250		
MCCANDLESH MINE SIDING	230		
WILLARD BRANCH— Riverdale to Consolida- tion Mine 32.....	240		
SCOTT MINE NO. 2 SIDING..	320		
BLACKBURN MINE SIDING.	260		
ANNABELLE MINE SIDING.	320		
KILARM MINE BRANCH— Kilarm Jct. to Francis Mine.....	240		
GALLIHUE MINE SIDING...	190		
W. VA. & P. BRANCH— Clarksburg to East End of Bridge No. 14-A at Lost Creek.....	240		15 miles per hour over Bridges 14-A, 20-D, 21-B, and 21-C for E-27B, E-27C, E-27CA, E-27D, E-27DA, E-27H and E-27z engines.
East End of Bridge No. 14-A at Lost Creek to Macpelah Jct.....	210*	{ E-27B, E-27C, E-27CA, E-27D, E-27DA, E-27H, E-27z.....	
Macpelah Jct. to Bendale	220		
CLARKSBURG WATER WORKS SIDING.....	240		

MONONGAH DIVISION
Schedule of Engine and Car Operation—Continued

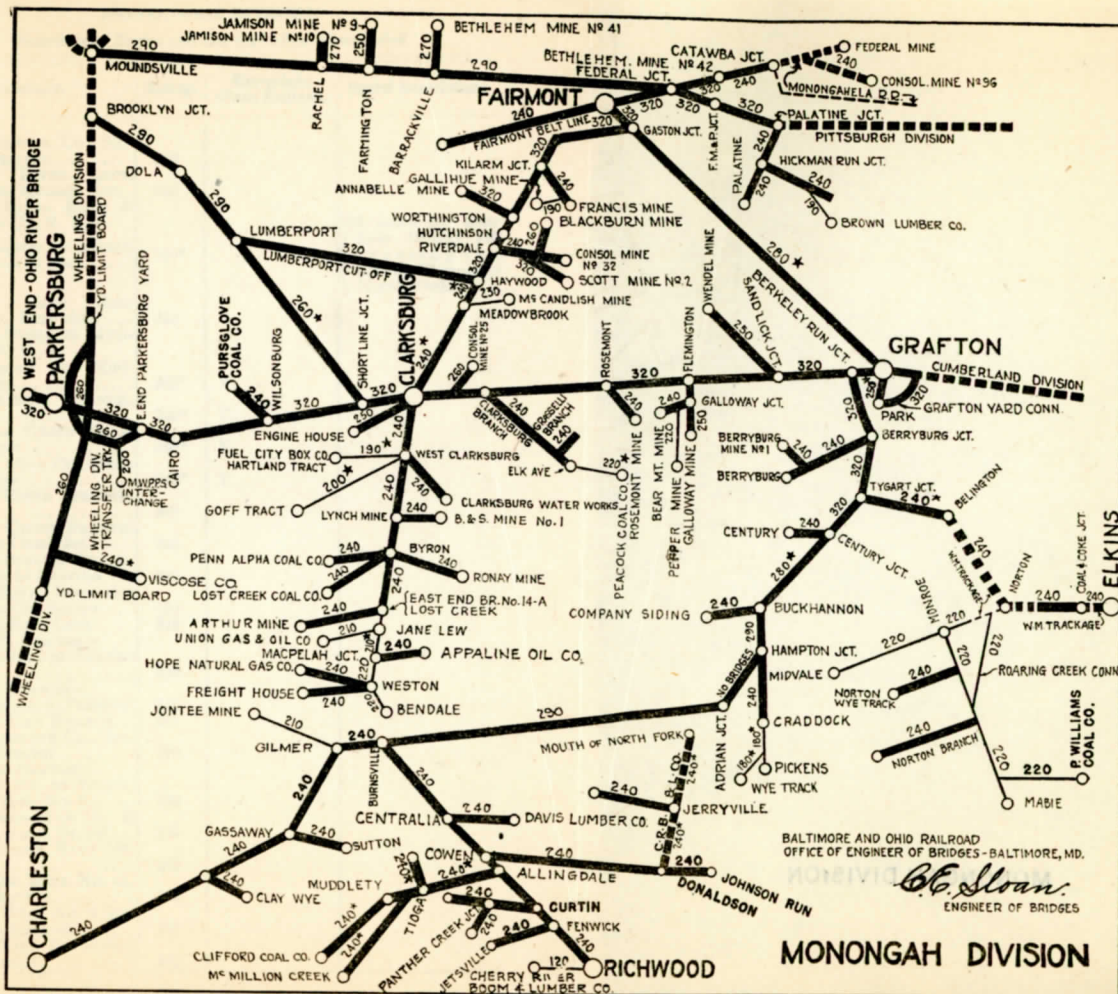
Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions
FUEL CITY BOX CO. SID- ING—(Hartland Tract) West Clarksburg.....	190*	{ E-27B, E-27CA, E-33, E-34....	10 miles per hour over bridge for E-27B and E-27CA engines. 15 miles per hour over bridge for all other engines.
GOFF TRACT SIDING, West Clarksburg.....	200*	{ E-27B, E-27C, E-27CA, E-33, E-34.....	10 miles per hour over bridge for E-27B, E-27C and E-27CA engines. 15 miles per hour over bridge for all other engines.
B. & S. MINE NO. 1 SID- ING, Lynch Mine.....	240		
PENN ALPHA COAL CO. SIDING, BYTON.....	240		
RONAY MINE SIDING.....	240		
LOST CREEK COAL CO. SIDING, BYTON.....	240		
LOST CREEK BRANCH— Lost Creek to Arthur Mine.....	240		
UNION GAS & OIL CO., Jane Lew.....	210		
APPALINE OIL CO. SIDING, Macpelah Jct.....	240		
HOPE NATURAL GAS CO. SIDING, Weston.....	240		
FREIGHT HOUSE SIDING, Weston.....	240		
W. VA. SHORT LINE— Short Line Jct. to Lum- berport.....	260*	Q-4, Q-4A, Q-4B.	20 miles per hour over Bridge 518 for Q-4, Q-4A and Q-4B engines.
Lumberport to Brooklyn Jct.....	290		
LUMBERPORT CUT OFF— Lumberport to Haywood	320		
PURSGLOVE COAL CO. SID- ING, Wilsonburg.....	240		
TRANSFER TRACK TO WHEELING DIVISION.....	260		
INTERCHANGE, M. W. F. P. S. Co., Parkersburg....	200		
OHIO RIVER BRANCH—Yd. Limit Board, E. of Parkersburg to Yd. Limit Board W. of Parkersburg.....	260		

MONONGAH DIVISION

Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions
THE VISCOSE CO. SIDING, Parkersburg.....	240*		15 miles per hour over Bridge No. O for engines rating 240.
BERRYBURG BRANCH—Berryburg Jct. to Berryburg.....	240		
BERRYBURG MINE No. 1 SIDING.....	240		
BELINGTON BRANCH—Tygart Jct. to Belington	240*		15 miles per hour over Bridge 324 for engines rated 240.
BELINGTON BRANCH—(W. M. Trackage) Norton to Belington.....	240		
COAL & COKE BRANCH—(EAST END) Elkins to Norton.....	240		15 miles per hour over all bridges for E-60 engines.
Norton to Midvale.....	220		
COALTON BRANCH—Monroe to Mabie.....	220		
"Y" TRACK at Norton.....	240		
ROARING CREEK CONN.....	220		
NORTON BRANCH.....	240		
P. WILLIAMS COAL CO. SIDING, Mabie.....	220		
CENTURY BRANCH.....	240		
COMPANY SIDING, Buckhannon.....	240		
PICKENS BRANCH—Hampton Jct. to Craddock.....	240		
Craddock to Pickens...	180*		
Wye Track at Pickens..	180*		
COAL & COKE BRANCH—(WEST END) Burnsville to Charleston.....	240		
JONTEE MINE SIDING, Gilmer.....	210		
GASSAWAY BRANCH—Gassaway to Sutton.....	240		
"Y" TRACK at Clay.....	240		

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MONONGAH DIVISION

MONONGAH DIVISION

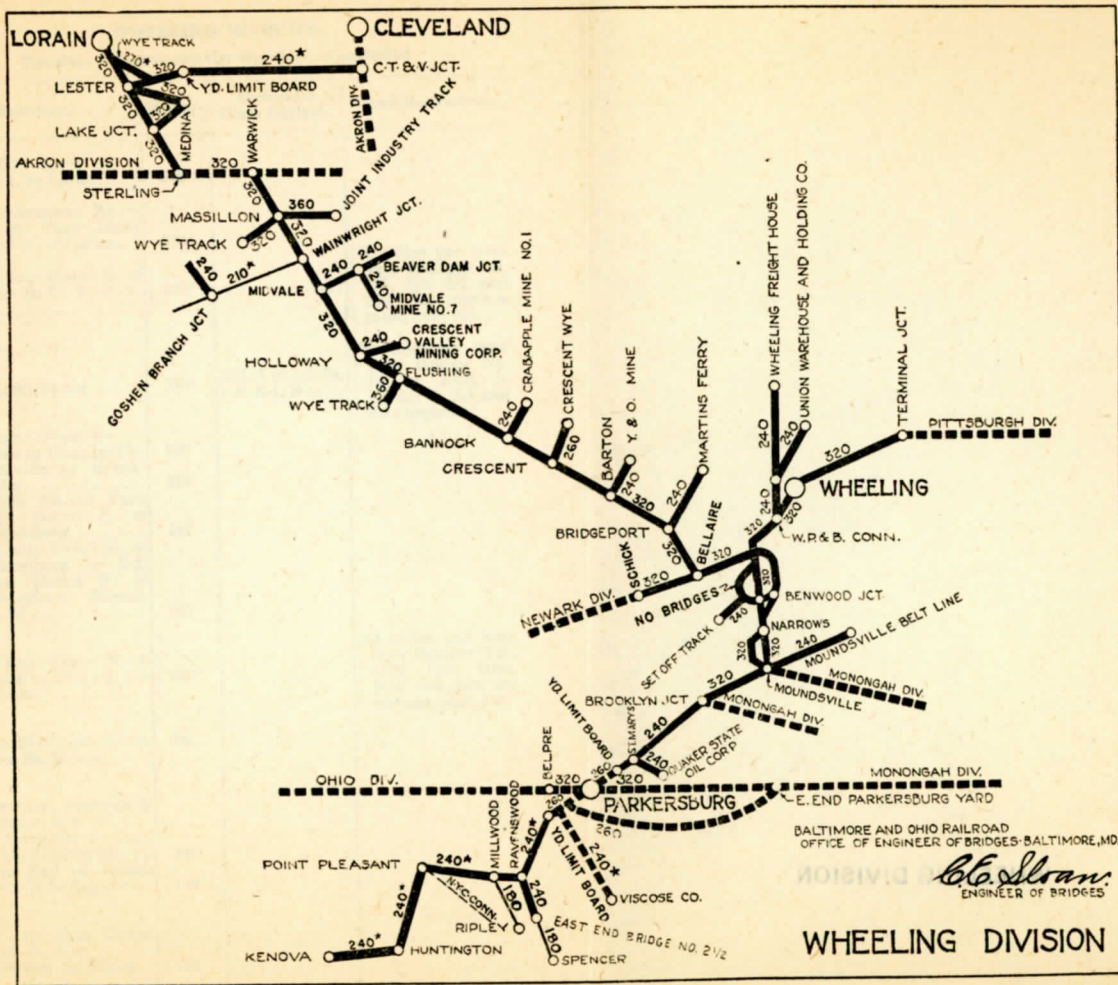
Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions
DAVIS LUMBER Co. SID- ING, Centralia.....	240		
WILLIAMS RIVER LINE, Cowen to Johnson Run..	240		
CHERRY RIVER BOOM & LUMBER Co. R. R.— Donaldson to Mouth of North Fork.....	240*	.....	15 miles per hour over Bridge 210 crossing the Gauley River near North Fork.
WILLIAMS CAMP RUN BRANCH, Jettyville....	240		
STROUDS CREEK & MUD- DLETY R. R.— Allingdale to Mud- dlety.....	240*	Y.	
BEAVER CREEK BRANCH, Tioga.....	240*	Y.	
McMILLION CREEK SFUR, Muddlety.....	240*	Y.	
CLIFFORD COAL Co. SFUR, Muddlety.....	240*	Y.	
GAULEY RIVER BRANCH, Curtin.....	240		
PANTHER CREEK BRANCH, Panther Creek Jct.....	240		
SAXMAN INDUST. TRACK, Fenwick to Jetsville...	240		
CHERRY RIVER BOOM AND LUMBER Co. SIDING...	120		
FAIRMONT BELT LINE...	240		
F. M. & P. BRANCH— Federal Jct., to Palatine Jct.....	320		
PALATINE BRANCH— Palatine Jct. to Palatine.	240		
HICKMAN RUN BRANCH...	240		
BROWN LUMBER Co., SID- ING, Fairmont.....	190		
PAW PAW BRANCH— Federal Jct. to Bethle- hem Mine No. 42.....	320		
Bethlehem Mine No. 42 to Catawba Br. Jct...	240		
CONSOLIDATION MINE No. 96.....	240		
BETHLEHEM MINE No. 41, Barracksville.....	270		
JAMISON MINE No. 9 SID- ING, Farmington.....	250		
JAMISON MINE No. 10 SID- ING, Rachel.....	270		

WHEELING DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
Moundsville to Benwood Jct.....	320		
Benwood Jct. to W.P. & B. Conn.....	320		
Benwood Jct. to Bellaire	320		
Bellaire to Schick.....	320		
RIVER BR.—MAIN LINE—			
Bellaire to Bridgeport...	320		
WHEELING-LORAIN LINE—			
Bridgeport to Lorain...	320		
MOUNDSVILLE BELT LINE..	240		
LOOP LINE, Benwood....	No bridges		
SET-OFF TRACK, Benwood..	240		
W. P. & B. R. R.—			
Terminal Jct. to W. P. & B. Connection	320		
WHEELING FREIGHT HOUSE SIDING, W. P. & B. Connection	240		
Freight House.....	240		
UNION WAREHOUSE & HOLDING CO. SIDING....	240		
RIVER BRANCH—			
Bridgeport to Martins Ferry.....	240		
Y. & O. MINE TRACK....	240		
CRESCENT WYE TRACK....	260		
CRABAPPLE MINE NO. 1 SIDING, Bannock.....	240		
WYE TRACK, Flushing....	360		
CRESCENT VALLEY MINING CORP. SIDING, Holloway	240		
MIDVALE BRANCH.....	240		
BEAVER DAM BRANCH—			
Beaver Dam Jct. to Midvale Mine No. 7.....	240		
WAINWRIGHT BRANCH—			
Wainwright Jct. to End of Branch.....	210*	..... { 15 miles per hour over Bridge 241	
GOSHEN BRANCH.....	240		
JOINT INDUSTRY TRACK, Massillon.....	360		
WYE TRACK, Massillon....	320		

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WHEELING DIVISION
Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MEDINA CUT OFF— Lake Jct. to Lester.....	320		
LESTER-CLEVELAND BR.— Lester to Yard Limit Board W. of Lester....	320		
Yard Limit Board W. of Lester to C. T. & V. Jct.....	240*	.....	15 miles per hour over Bridges 102, 105, 106, 107 and 108 for engines rated over 220.
WYE TRACK, Lester.....	270*	{ EL-1 to EL-6A, S, S-1, S-1A....	15 miles per hour over Bridge No. 76 for EL-1 to EL-6A, S, S-1 and S-1A engines.
OHIO RIVER BRANCH— Narrows to Moundsville. Moundsville to Brook- lyn Jct.....	320		
Brooklyn Jct. to Yard Limit Board E. of Parkersburg.....	240		
Yd. Limit Board E. of Parkersburg to Yd. Limit Board W. of Parkersburg (Monon- gah Div.).....	260		
Yd. Limit Board W. of Parkersburg to Kenova.....	240*	.....	25 miles per hour over Bridges 1526, 1690, 1888, 2050, 2059 and 2181 for engines rated 240.
QUAKER STATE OIL CORP. SIDING, St. Marys.....	240		
RAVENSWOOD, SPENCER & GLENVILLE R'Y..... Ravenswood to East End of Bridge No. 24. East End of Bridge No. 24 to Spencer...	240		
RIPLEY AND MILL CREEK VALLEY R. R.— Millwood to Ripley..	180		

PITTSBURGH DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE— Cumberland to New Castle Junction via Laughlin Junction.....	320		
SALISBURY BRANCH— Salisbury Junction to West Salisbury.....	220*	{ Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3 and Q-7F to Q-10C.	{ 15 miles per hour over all bridges for Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3 and Q-7F to Q-10C en- gines.
SHAW EXTENSION— Shaw Junction to Shaw Big Vein Mine Nos. 1 and 2.....	260		
GRASSY RUN EXTENSION— Grassy Run Junction to Hocking Jet.....	No bridges		
HOCKING EXTENSION— Hocking Jet. to Keystone Mines.....	260		
NIVERTON EXTENSION— West Salisbury to Niverton.....	260		
BERLIN BRANCH— Garrett to Berlin.....	240		
PINE HILL BRANCH.....	240		
NIVER BRANCH— Niver Jct. to Macdonaldton Mine No. 5.....	240		
STONER MINE No. 2 SIDING	260		
LOW GRADE LINE— Garrett to Wilson Creek.	320		
SOMERSET AND CAMBRIA BRANCH— Rockwood to Somerset Somerset to E. End of Hogback Tunnel....	320 290		
E. End of Hogback Tunnel to Johnstown	250*	{ W. Cr. X-45 to X-48 and W-4 coal cars.....	{ 15 miles per hour over Bridge 265 for engines rated 250 and W. Cr. X-45 to X-48.

PITTSBURGH DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
HAYS BROS. COAL Co., Rockwood.....	220*		{ 15 miles per hour over Bridge for all engines.
WILSON CREEK BRANCH— Wilson Creek to Atlantic Mine No. 2.....	200		
OLD JUNCTION SIDING.....	320		
WYE TRACK, Somerset....	270*	{ LL-1, EL-1 to EL-6A.....	{ 15 miles per hour for LL-1, EL-1 to EL-6A engines.
A. D. GRAHAM Co. SID- ING, Somerset.....	240		
ADAMS MINE SIDING, Adams.....	260		
WYE TRACK, Friedens.....	290		
COLEMAN BRANCH— Vang Jct. to Cambria Fuel Co.....	320		
KANTNER BRANCH— Stoyestown.....	240		
KNICKERBOCKER MINE SID- ING, Rowena.....	320		
JEROME BRANCH— Jerome Jct. to Jerome Mine.....	290		
HIYASOTA MINE No. 1 SIDING.....	260		
QUEMAHONING BRANCH— P. W. & S. Jct. to Ralph- ton.....	320		
HARRISON MINE SIDING, Harrison.....	270*		{ 15 miles per hour over bridge
LOW GRADE LINE, BROOK TUNNEL.....	320		

PITTSBURGH DIVISION

Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions. Class Engines.	Speed Restrictions.
INDIAN CREEK VALLEY R.Y. Indian Creek to Jones Mills.....	240		
MELCROFT MINE No. 2 SID- ING, Melcroft.....	320		
WYE TRACK, Jones Mills..	240		
FAYETTE COUNTY BRANCH— Greene Jct. to Union- town.....	320		
F. M. & P. RAILROAD— Uniontown to Palatine Junction.....	320		
EUREKA FIRE BRICK Co. SIDING, Mt. Braddock...	240*	.....	{15 miles per hour over bridges.
LEMONT OVENS No. 2 SIDING, Darent.....	200		
SIDING TO FREIGHT HOUSE, Uniontown.....	240		
C. F. EGGERS SIDING, Uniontown.....	260		
CROSSLAND OVENS BRANCH, Leith.....	240		
MARIE MINE SIDING.....	110		
E. I. DUPONT POWDER Co. SIDING, Oriental.....	240		
SMITHFIELD & MASONTOWN BRANCH— S. & M. Jct. to Leckrone	240		
YORK RUN BRANCH— York Run Jct. to Collier Works.....	240		
CROZIERS RUN BRANCH— Strum to Crawford Mine	240		

PITTSBURGH DIVISION

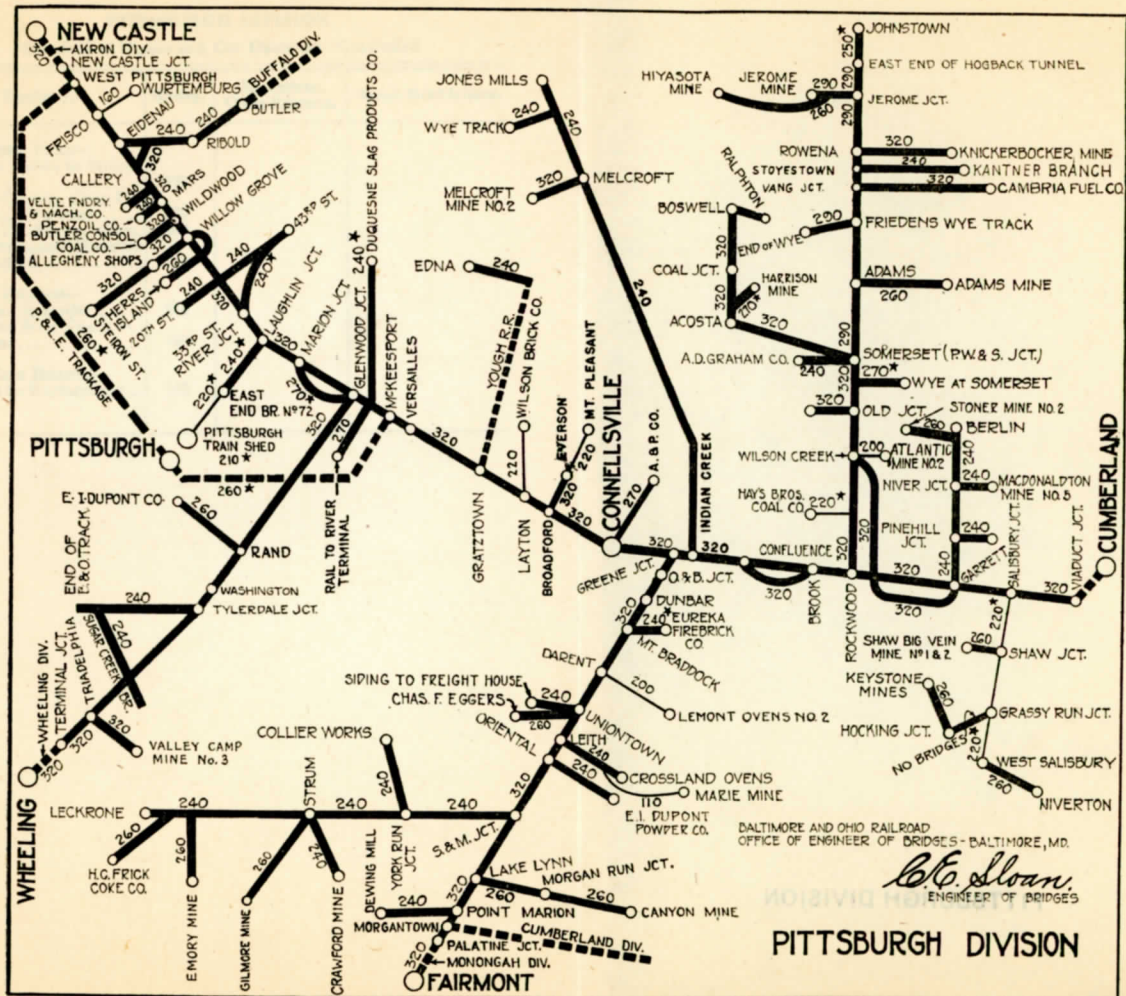
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions. Class Engines.	Speed Restrictions.
GILMORE MINE SIDING, Strum.....	260		
EMORY MINE SIDING, Leck- rone.....	260		
H. C. FRICK COKE Co. SIDING, Leckrone.....	260		
CHEAT HAVEN & BRUCE- TON R. R.— Lake Lynn to Canyon Mine.....	260		
DEWING MILL SIDING, Point Marion.....	240		
A. & P. Co. SIDING, Con- nellsville.....	270		
Mt. PLEASANT BRANCH— Broadford to Everson... Everson to Mt. Pleasant.	320 220		
WILSON BRICK Co. SIDING, Layton.....	220		
ADAMSBURG BRANCH— Adamsburg Jct. to Edna	240		
P. & L. E. TRACKAGE— McKeesport to West Pittsburgh.....	260*	{S, S-1, S-1A, single headed, and T, T-1, T-2, T-3, T-3A, T-3B, Q-4 to Q-4D.....	{15 miles per hour for engines rated 260 or more over Monongahela River Bridge at McKeesport; and 20 miles per hour for all other en- gines over this bridge.
DUQUESNE SLAG PROD. Co. SIDING, Highland...	240*	Y.....	15 miles per hour over bridges.
RAIL TO RIVER TERMINAL, Glenwood Jct.....	270		
W. P. & B. RAILROAD— Glenwood Jct. to Ter- minal Jct.....	320		
E. I. DUPONT Co. SIDING, Rand.....	260		

PITTSBURGH DIVISION

Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions. Class Engines.	Speed Restrictions.
TYLERDALE CONNECTING R. R.— Tylerdale Jct. to End of B. & O. Track.....	240		
SUGAR CREEK BRANCH.... VALLEY CAMP MINE No. 3 SIDING, Triadelphia.....	240		
Glenwood Cut-Off— Glenwood Jct. to Marion Jct.....	270*	(S, S-1, S-1A, LL-1, EL-1 to EL-6A, T, and W. Cr. X-45 to X-48.	20 miles per hour over Bridge 66-4 for S, S-1, S-1A, LL-1, EL-1 to EL-6A, T, engines and W. Cr. X-45 to X-48.
MAIN LINE— Laughlin Jct. to East end of Bridge 72.....	240*	(N-1, P-1D, P-1DA, P-7, P-7B, S, S-1, S-1A, V-1, V-3, V-4 and Y.....	10 miles per hour over Bridge 71 for S, S-1, and S-1A engines.
East end of Bridge No. 72 to Pittsburgh Train Shed.....	220*	(D-30, L-1, L-1A, L-2A, N-1, P-1B, P-1AA, P-1C, P-1DA, P-7, P-7B, P-7C, Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3, Q-7F, Q-10, Q-10A, V-1, V-3, V-4 and Y.....	10 miles per hour over Bridge 72 for engines D-30, L-1, L-1A, L-2A, N-1, P-1B, P-1AA, P-1C, P-1DA, P-7, P-7B, P-7C, Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3, Q-7F, Q-10, Q-10A, V-1, V-3, V-4 and Y.
Train Shed at Pittsburgh	210*	(P-5, P-5A, P-17A, P-18A, D-30, L-1 and L-1A.	
RIVER BRANCH— River Jct. to 43rd St. 43rd St. to 20th St....	240*	Y.	
HERR'S ISLAND CONNECTION— Willow Grove to Herr's Island.....	260		



PITTSBURGH DIVISION
Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions. Class Engines.	Speed Restrictions.
ALLEGHENY YARD— Willow Grove to Steiron St.	320		
BUTLER CONSOL. COAL CO. SIDING, Wildwood	320		
PENZOIL CO. SIDING, MARS. VELT FOUNDRY & MACHINE CO. SIDING.....	240		
BUTLER BRANCH— Eidenau to Butler	240		
EAST LEG WYE TRACK— Eidenau	320		
DUCK RUN BRANCH— Frisco to Wurtemberg...	160		

BUFFALO DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE— Butler to Craigsville....	240		
Craigsville to Echo (South Leg of Wye)...	220*	W. Cr. X-50...	Triple Headers over Bridge 258/89 not permitted. Ten miles per hour over all bridges for W. Cr. X-50.
Echo (South Leg of Wye) to A. & W. R'y Jct. (South end of Bridge 226/29).....	280		
A. & W. R'y Jct. (South end of Bridge 226/29) to Punxsutawney (Pine St.).....	240*	EL-6A, KK-1 to KK-4D, Y, L-4, L-4A, Q-1XA, Q-4, Q-4A, Q-4B, Q-4c.....	20 miles per hour over Bridges 226/29 and 226/08 for all engines rated 220 or more.
Punxsutawney (Pine St.) to Johnsonburg.....	320		
Johnsonburg to Clarion Jct.....	220*	Q-1A to Q-10c, Y, L-4, L-4A and W. Cr. X-50 and when single headed EE-2, EE-2A, EL-1A, EL-2A, EL-3A, EL-5A, EL-6A and KK-1 to KK-4D.....	10 miles per hour over Bridge 167/92 for Q-1XA, Q-4, Q-4A, Q-4B, Q-4C, EE-2, EE-2A, EL-1A, EL-2A, EL-3A, EL-5A, EL-6A and KK-1 to KK-4D engines 20 miles per hour over Bridge 167/92 for all other engines and W. Cr. X-50.
Clarion Jct. to J. & B. Jct. (Erie R. R.).....	310		
J. & B. Jct. (Mt. Jewett) to Ashford.....	290*	EE-2, EE-2A...	

BUFFALO DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—Con. Ashford to Lincoln Park.	240*	EL-6A, KK-1 to KK-4D, Q-1XA, Q-4, Q-4A, Q-4B, Q-4C, Y, L-4 and L-4A.....	20 miles per hour over Bridge 47/96 for all engines rated 240 or more.
Lincoln Park to Ro- chester.....	320		
Ashford to Buffalo Creek.....	240*	KK-4 to KK-4D, Q-1XA, Q-4, Q-4A, Q-4B, Q-4C, Y, L-4, and L-4A.	
BUTLER TRANSFER, Butler Jct.....	240		
BUTLER BRANCH— Butler Jct. to conn. with Main Line at Wads- worth.....	240		
Wadsworth to Kane Jct.....	190*		10 miles per hour over Bridges 428 431, 451, 455, 467 and 524 for engines rated 170 or more, 10 miles per hour over Bridge No. 537 for all engines. Single headers only permitted over this bridge.
Kane Jct. to Mt. Jewett.	200		
KANE BRANCH— Kane Jct. to Kane.....	No bridges.		
CRAIGSVILLE BRANCH— Craigsville to Limestone Tipple.....	240		
RURAL VALLEY BRANCH— Echo to Margaret.....	220*	KK-4 to KK-4D Y, L-4, L-4A, Q-10 to Q-10c.	

BUFFALO DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
NUMINE SIDING, Yatesboro.....	220*	{ KK-4 to KK-4D Y, L-4, L-4A, Q-10 to Q-10c over Bridge NM-0/13 only.	
STORE TRACK SIDING, Yatesboro.....	220		
WALSTON BRANCH— Punksutawney (Pine St.) to Lindsay.....	No. bridges.		
Lindsay to End of Branch	240*	L-4, L-4A	{ 15 miles per hour over Bridges W-1.09 and W-1.19 for all engines.
ADBRAIN BRANCH— Elk Run Jct. to Anita...	260*		{ 15 miles per hour over Bridges F-2B and F-2/53 for en- gines rated 240 or more.
FEDERAL LABORATORIES INC. SIDING, Elk Run Jct.....	180*	{ D-44, E-55A to E-57A and W. Cr. X-52.....	{ 15 miles per hour over Bridge F-0D for all engines rated 170 or more and W. Cr. X-52.
INDIANA BRANCH— Indiana Jct. to Rossiter (Blaisdell Jct.).....	280		
Rossiter (Blaisdell Jct.) to Creekside.....	240*	{ KK-4 to KK-4D Y, L-4, L-4A.	
Creekside to Josephine..	280		
FRANCES MINE SIDING, Rossiter.....	240*	{ KK-4 to KK-4D Y, L-4, L-4A.	
SAGAMORE BRANCH— Juneau Jct. to Sagamore.	240		
RIDGE BRANCH— Creekside to Iselin.....	280		
JACKSONVILLE BRANCH— J. M. Jct. to Kent.....	220*	{ KK-4 to KK-4D Y, L-4, L-4A, Q-10 to Q-10c.	{ 15 miles per hour over Bridge U-3/01 for all engines.

BUFFALO DIVISION
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
PENN ENAMEL CO. SIDING, Indiana.....	240		
LUCERNE BRANCH— Lucerne Jct. to Water- man.....	280		
STORE TRACK SIDING, Lucerne Mines.....	220*	{ Y, L-4, L-4A, Q-10 to Q-10c.	{ 15 miles per hour over Bridges YA- OA and YA-OB for all engines.
GUTHRIE MINE BRANCH— Lucerne Mines to Tide- dale.....	280		
STATION SIDING, Big Run.	280*	{ KK-4 to KK-4D Single Headed	{ 15 miles per hour over Bridge E-1A for all engines rated 240 or more.
BUFFALO & SUSQUEHANNA BRANCH— B. & S. Conn. to Du Bois (B. & S. Station)	240		
Du Bois to Sinnema- honing.....	200*	E-27ca.....	{ 15 miles per hour over Bridges 86/18 (Old No. 431) at Driftwood and 91/5 (Old No. 412) at Sinnemahoning for all engines.
Burrows to Galeton...	190*	E-60.	
Galeton to Addison...	180*	E-60, E-60A....	{ 15 miles per hour over Bridges 143/3 (Old No. 102) at Galeton, 147/0 (Old No. 122) at Gaines and 162/15 (Old No. 336) at Westfield for all engines.

BUFFALO DIVISION

Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
PENNA. R. R. CONNEC- TION, East Du Bois.....	220		
WELLSVILLE BRANCH— Galeton to Wellsville....	200		
ERIE R. R. CONN., Wells- ville.....	200		
MILL SIDING, Galeton.....	200		
ANSONIA BRANCH— Gaines to Ansonia.....	180*	E-60, E-60A.	
MAHONING VALLEY BR.— Stanley to Helvetia.....	240*	{ KK-4 to KK-4D Y, L-4, L-4A.	
CLEARFIELD & MAHONING BRANCH— C. & M. Jct. to Clearfield	320		
NORTH AMERICAN RE- FRACTORIES CO. SIDING, Anderson.....	240		
NORTH AMERICAN RE- FRACTORIES CO. SIDING, Bickford.....	240		
FRANKLIN TANNING CO. SIDING, Curwensville....	220		
DU BOIS WHOLESALE PROD. Co., Du Bois.....	220		
DU BOIS BREWING CO. SIDING, Du Bois.....	220		
DU BOIS STORAGE & CART- ING Co., Du Bois.....	280		
STORES SIDING, DU BOIS..	270		
MILES & CO. SIDING, DU Bois.....	280		
J. H. FRANCE REFRAC- TORIES CO. SIDING, Falls Creek.....	260		

BUFFALO DIVISION

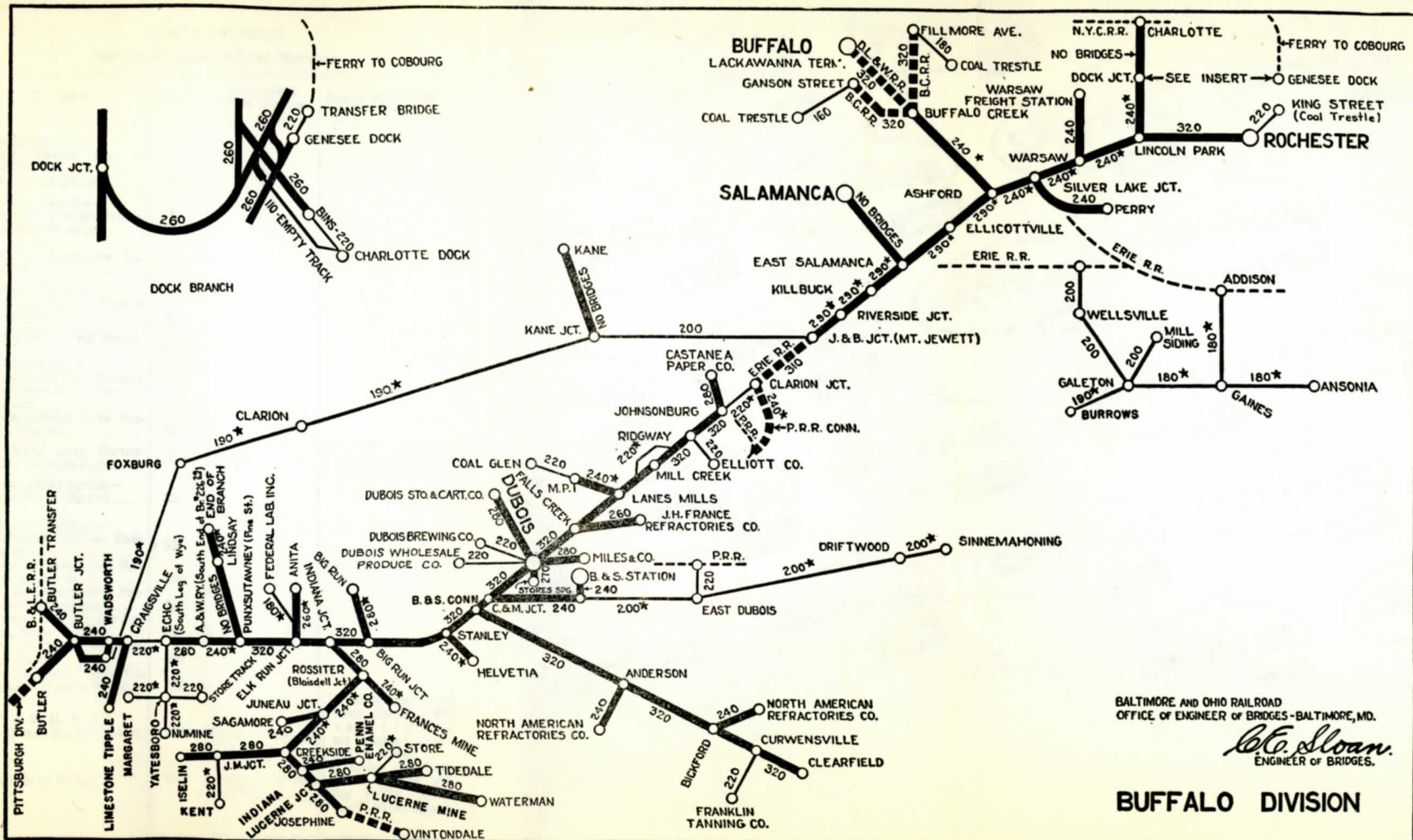
Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
BEECH TREE BRANCH— Lane's Mills to M. P.-1..	240*	{ KK 4 to KK-4D, Y, L-4, L-4A.	
M. P.-1 to Coal Glen....	220		
SOUTH BOUND PASSING SIDING, Mill Creek.....	220*	{ EE-2, EE-2A, EL-6A, KK-1, KK-2, KK-4 to KK-4D, Y, L-4, L-4A, Q-1A to Q-10c and W. Cr. X-50..	15 miles per hour over Bridge 179-A for all engines.
ELLIOTT Co. SIDING, Ridg- way.....	220		
CASTANEA PAPER Co. SID- ING, Johnsonburg.....	280		
PENNA. R. R. CONN., Clarion Jct. (Via Erie R. R.).....	240*	{ EE-2, EE-2A, KK-4 to KK-4D, Y, L-4, L-4A.....	15 miles per hour over Bridge 167-D for all engines.
SALAMANCA BRANCH— East Salamanca to Sala- manca.....	No bridges.		
FILLMORE STREET COAL TRESTLE, Buffalo.....	180		
GANSON ST. COAL TRESTLE, Buffalo.....	160		
SILVER LAKE BRANCH— Silver Lake Jct. to Perry	240		
INDUSTRIAL TRACK TO FREIGHT STATION, WAR- SAW.....	240		

BUFFALO DIVISION

Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
ROCHESTER BELT LINE— Lincoln Park to Dock Jct.....	240*	{ EL-6A, KK-1, KK-2, KK-4 to KK-4D, Y, L-4, L-4A.	
Dock Jct. to Charlotte.	No bridges.		
DOCK BRANCH— Dock Jct. to Genesee Dock.....	260		
Transfer Bridge at Gene- see Dock.....	220		
Dock Jct. to Bins, Char- lotte Dock.....	260		
Charlotte Dock Bins....	220		
Empty Track, Charlotte Dock.....	110		
KING STREET COAL TRES- TLE, Rochester.....	220		



BALTIMORE AND OHIO RAILROAD
OFFICE OF ENGINEER OF BRIDGES-BALTIMORE, MD.

C.E. Sloan.
ENGINEER OF BRIDGES.

BUFFALO DIVISION

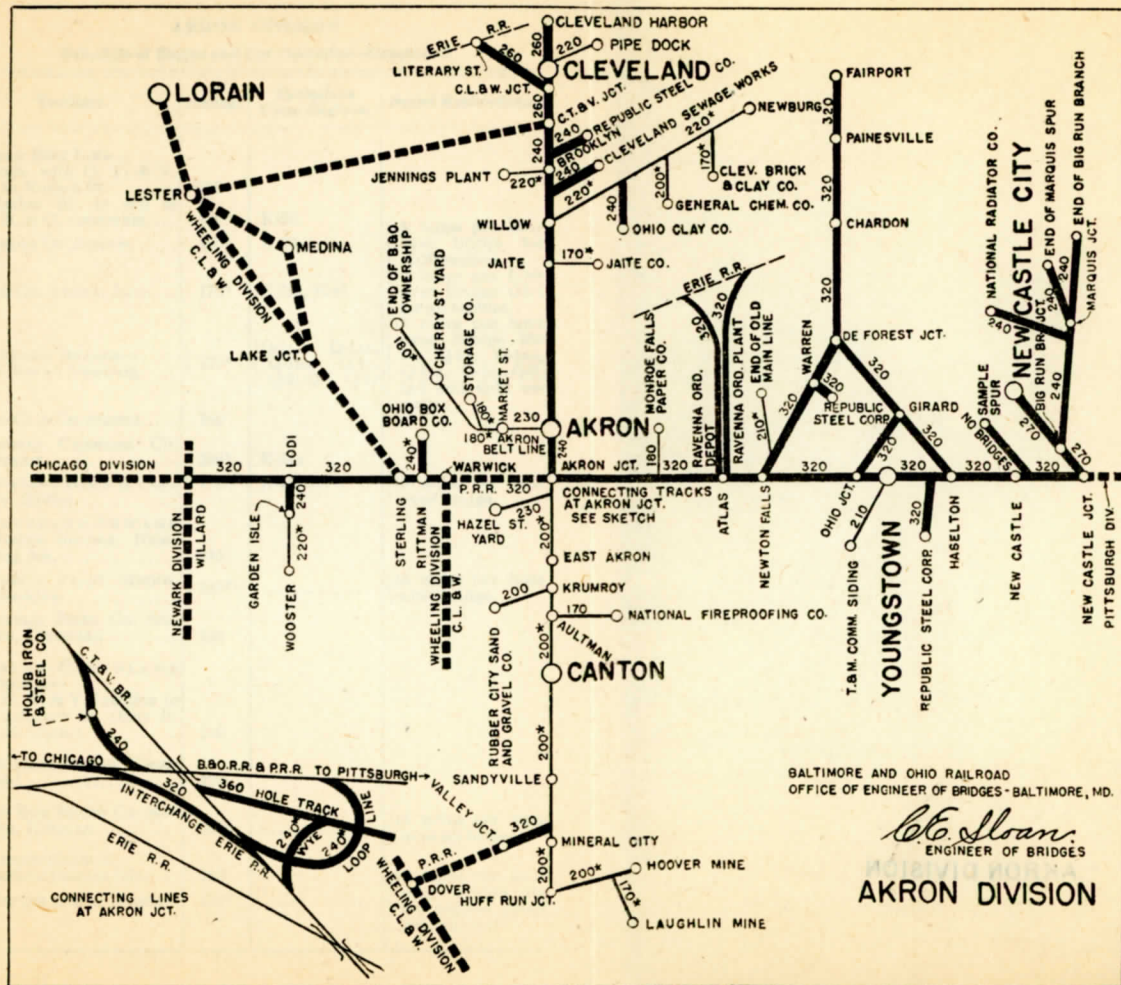
AKRON DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
New Castle Jct. to Willard.....	320		
NEW CASTLE BRANCH.....	270		
BIG RUN BRANCH—			
Big Run Branch Jct. to End of Branch.....	240		
NATIONAL RADIATOR CO. SIDING.....	240		
MARQUIS BRANCH			
Marquis Jct. to End of Branch.....	240		
SAMPLE SPUR, New Castle	No bridges.		
WARREN BRANCH—			
Haselton to DeForest Jct.	320		
DeForest Jct. to Newton Falls.....	320		
REPUBLIC STEEL CORP. SIDING, Waiten.....	320		
OLD MAIN LINE EXTENSION, Newton Falls.....	210*	E-27b.....	} 15 miles per hour over Bridge 407 for E-27a engines.
GIRARD CONNECTION—			
Ohio Jct. to Girard.....	320		
FAIRPORT BRANCH—			
DeForest Jct. to Fairport.....	320		
REPUBLIC STEEL CORP. SIDING, Hazelton.....	320		
T. & M. COMMERCIAL SIDING—Youngstown.....	210		
RAVENNA ORD. PLANT SIDING, Atlas.....	320		
RAVENNA ORD. DEPOT SIDING, Atlas.....	320		
MUNROE FALLS PAPER CO. SIDING, Munroe Falls... 	180		
C. T. & V. R. R.—			
Huff Run Jct. to Canton.	200*	E-24A.....	} 10 miles per hour over Bridges 403 and 412 for all engines rated 160 or more. 10 miles per hour over Bridge 429 for E-27b, E-27c and E-27ca engines.
Canton to Krumroy....	200*	E-27b, E-27c, E-27ca.....	

AKRON DIVISION

Schedule of Engine and Car Operation—Continued

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
C. T. & V. R. R.—Con. Krumroy to Akron Jct.	Engines 200* Cars 210	L-1, L-1A, E-27B, E-27C, E-27CA.....	10 miles per hour over Bridge 431 for E-27B, E-27C and E-27CA engines.
Akron Jct. to C. T. & V. Junction.....	240		
C. T. & V. Jct. to Cleveland Harbor.....	260		
HUFF RUN BRANCH— Huff Run Jct., to Hoover Mine.....	200*	E-24A.	
LAUGHLIN MINE SIDING.....	170*	E-24A.....	15 miles per hour over bridge for E-24A engines.
CONN. TO P. R. R., Valley Jct.....	320		
NATIONAL FIREPROOFING Co. Siding, Aultman.....	170		
RUBBER CITY SAND & GRAVEL Co., Krumroy.....	200		
HAZEL STREET YARD Akron.....	230		
LOOP LINE at Akron Jct.....	240*	N-1, Q-4, Q-4A, Q-4B, Q-4C, Q-1xA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, V-1, V-3 and V-4...	15 miles per hour for N-1, Q-4, Q-4A, Q-4B, Q-4C, Q-1xA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, V-1, V-3, and V-4 engines over all bridges.
HOLE TRACK at Akron Jct.	360		
WYE TRACK at Akron Junction.....	240*	N-1, Q-4, Q-4A, Q-4B, Q-4C, Q-1xA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, V-1, V-3 and V-4...	15 miles per hour for N-1, Q-4, Q-4A, Q-4B, Q-4C, Q-1xA, T-1, T-2, T-3, T-3A, T-3B, KK-1, KK-2, V-1, V-3 and V-4 engines over bridge.
ERIE TRANSFER, Akron Jct.	320		
HOLUB IRON & STEEL Co. Siding, Akron Jct.....	240		

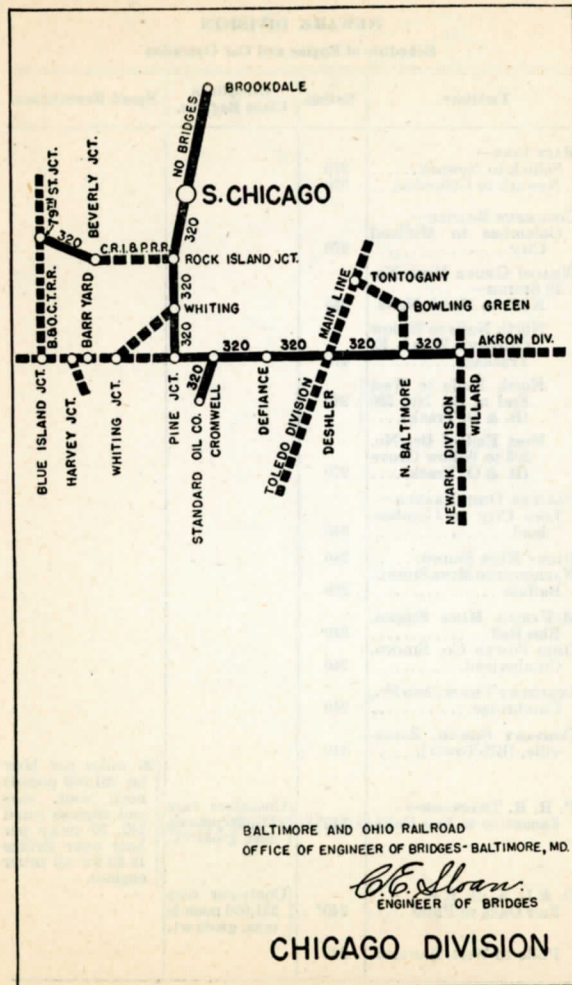


AKRON DIVISION
Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
AKRON BELT LINE— Conn. with C. T. & V. to Market St.	230		
Market St. to end of B. & O. ownership....	180*	K-20.	{ 15 miles per hour over bridge for K-20 engines.
STORAGE CO. SIDING.....	180*	K-20.....	
JAITE CO. SIDING, Jaite....	170*	E-24A, E-41....	{ 15 miles per hour over Bridge 451-1 for all engines.
NEWBURG BRANCH— Willow to Newburg....	} 220*	{ Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3, Q-7F	{ 15 miles per hour over Bridge 850 for Q-1A, Q-1AA, Q-1BA, Q-1C, Q-2, Q-3 and Q-7F en- gines.
OHIO CLAY CO. SIDING.....	240		
GENERAL CHEMICAL CO. SIDING.....	200*	E-24A.	
CLEVELAND BRICK & CLAY CO. SIDING.....	} 170*	E-41.....	{ 15 miles per hour over bridge.
CLEVELAND SEWAGE WORKS SIDING, New- burg Jct.....	240		
JENNINGS PLANT SIDING, Brooklyn.....	} 220*	.....	{ 15 miles per hour over bridge.
REPUBLIC STEEL CO. SID- ING, Cleveland.....	240		
LESTER-CLEVELAND BRANCH— C. T. & V. Junction to Literary St. (Erie R. R. Conn.).....	260		
PIPE DOCK SIDING, Cleve- land.....	220		
OHIO BOX BOARD CO. SID- ING, Rittman.....	240*	.....	{ 15 miles per hour over all bridges.
WOOSTER BRANCH— Lodi to Garden Isle....	240		{ 15 miles per hour over Bridge 219 for engines rated 200 and over.
Garden Isle to Wooster.	220*	.....

CHICAGO DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
Willard to Pine Jct.....	320		
Pine Junction to Whiting.	320		
Whiting to Rock Island Junction.....	320		
Beverly Junction to 79th Street Junction.....	320		
STANDARD OIL Co. SIDING, Cromwell.....	320		
BROOKDALE BRANCH—			
Rock Island Junction to South Chicago.....	320		
South Chicago to Brook- dale.....	No bridges.		



BALTIMORE AND OHIO RAILROAD
 OFFICE OF ENGINEER OF BRIDGES - BALTIMORE, MD.

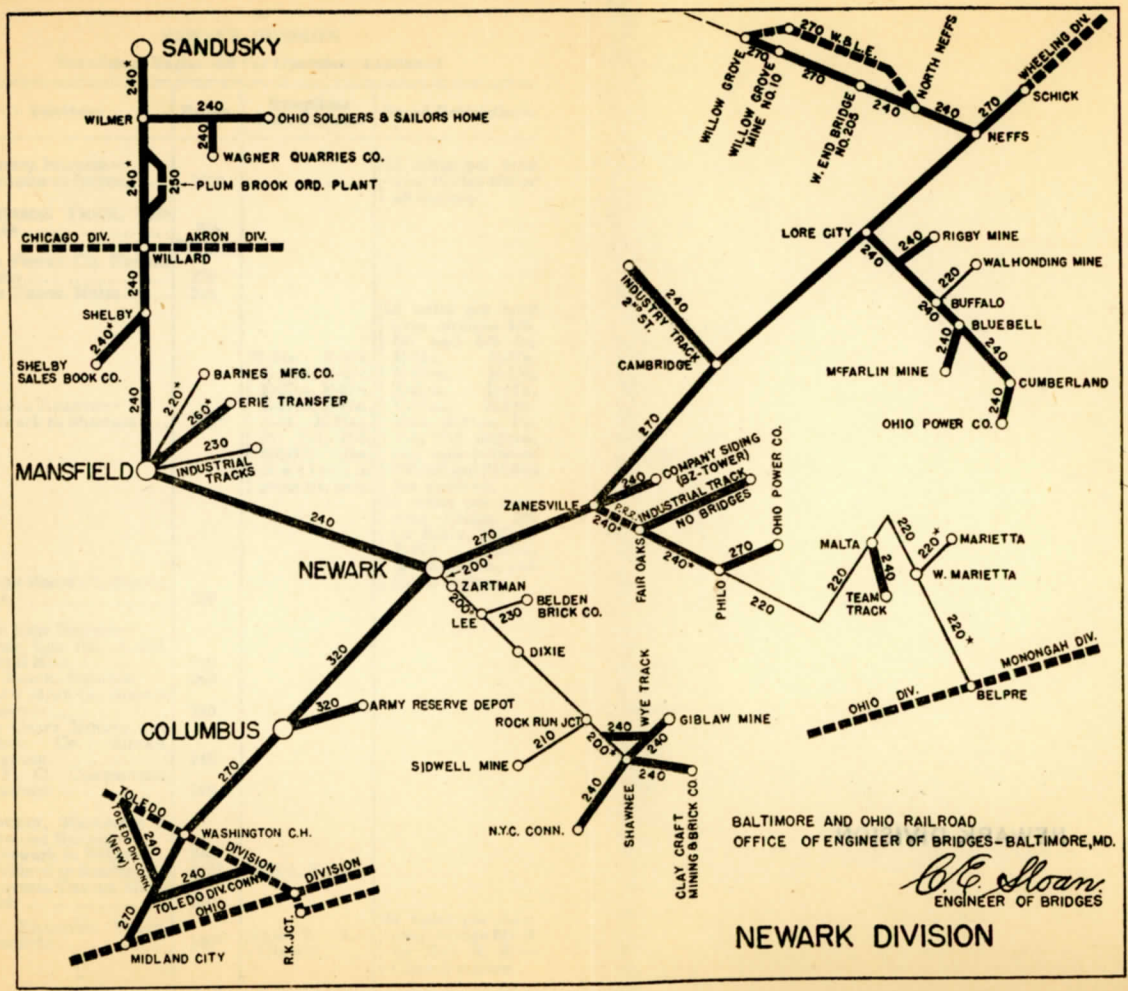
C. E. Sloan.
 ENGINEER OF BRIDGES

CHICAGO DIVISION

NEWARK DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
Schick to Newark.....	270		
Newark to Columbus...	320		
COLUMBUS BRANCH—			
Columbus to Midland City.....	270		
WILLOW GROVE MINE No. 10 SIDING—			
Neffs to North Neffs.	240		
North Neffs to Willow Grove via W. & L. E. Trackage.....	270		
North Neffs to West End of Br. No. 205 (B. & O. Track)....	240		
West End of Br. No. 205 to Willow Grove (B. & O. Track)....	270		
EASTERN OHIO BRANCH—			
Lore City to Cumber- land.....	240		
RIGBY MINE SIDING.....	240		
WALHONDING MINE SIDING, Buffalo.....	220		
McFARLIN MINE SIDING, Blue Bell.....	240		
OHIO POWER CO. SIDING, Cumberland.....	240		
INDUSTRY TRACK, 2ND ST., Cambridge.....	240		
COMPANY SIDING, Zanes- ville, (BZ-Tower).....	240		
P. R. R. TRackage—			
Zanesville to Fair Oaks.	240*	Container cars 251,000 pounds max. gross wt.	20 miles per hour for 251,000 pounds max. cont. cars and engines rated 240, 30 miles per hour over Bridge 16.80 for all other engines.
O. & L. K. R. R—			
Fair Oaks to Philo.....	240*	Container cars 251,000 pounds max. gross wt.	
Philo to West Marietta.	220		

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NEWARK DIVISION

Schedule of Engine and Car Operation—Continued

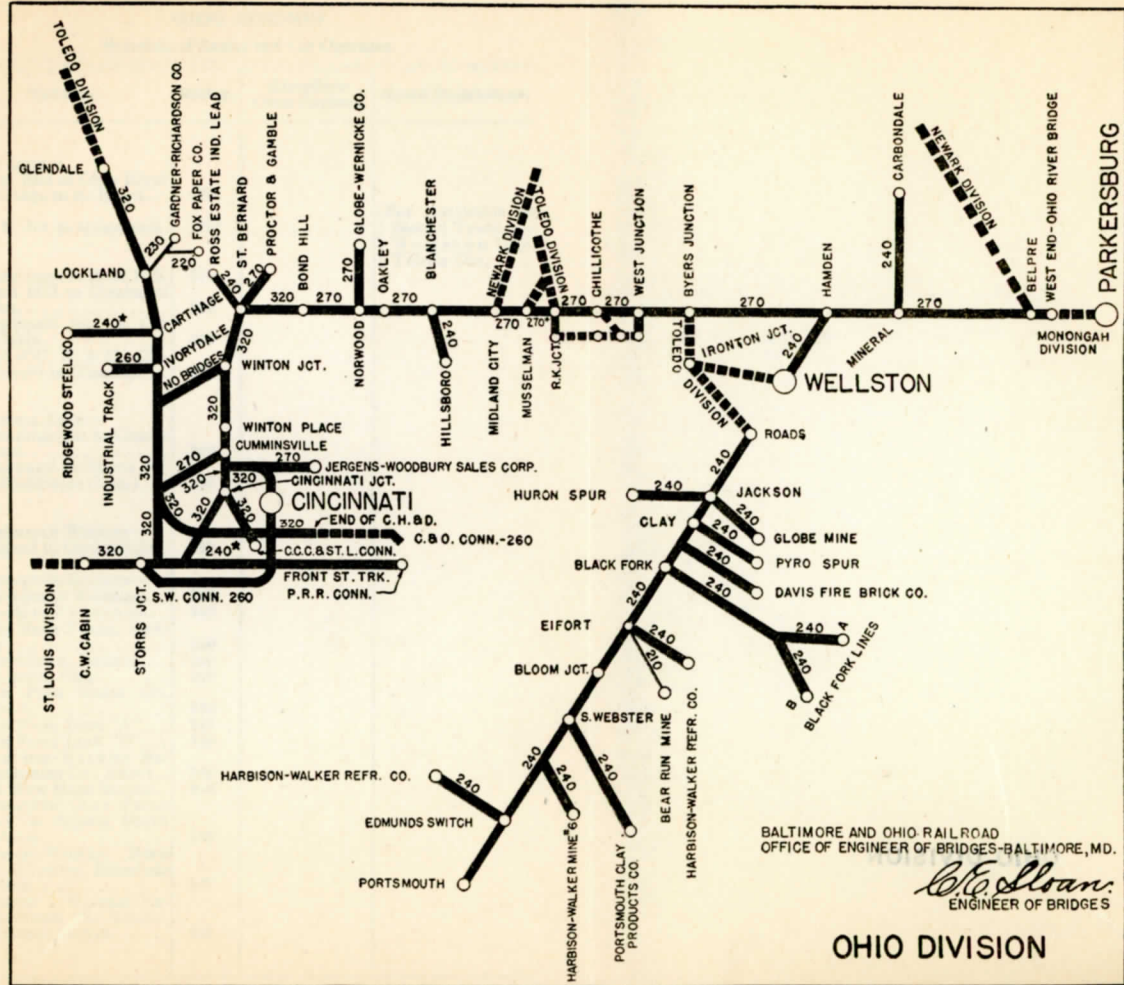
Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MARIETTA BRANCH— Marietta to Belpre.....	220*		{ 10 miles per hour over Bridge 470 for all engines.
INDUSTRIAL TRACK, Fair Oaks.....	No bridges.		
OHIO POWER CO. SIDING, Philo.....	270		
TEAM TRACK, Malta.....	240		
MIDLAND BRANCH— Newark to Shawnee....	200*	E-24A, E-27B, E-27BA, E-27C, E-27CA, E-27D, E-27DA, E-27H, E-31, E-31AA, Pc, P-3, P-8, 210,000 lbs. m a x i m u m gross wt. cars.	{ 15 miles per hour over Bridges 538, 547 and 548 for E-24A, E-27B, E-27BA, E-27C, E-27CA, E-27D, E-27DA, E-27H, E-31, E-31AA, Pc, P-3, P-8 engines, and cars between 200,000 and 210,000 lbs. gross wt. 15 miles per hour over Bridge 508 for E-27B, E-27BA, E-27C, E-27CA, E-27D, E-27DA and E-27H engines.
BELDEN BRICK CO. SIDING. Lee.....	230		
ROCK RUN BRANCH— Rock Run Jct. to Sid- well Mine.....	210		
WYE TRACK, Shawnee....	240		
GIBLAW MINE CO. SIDING, Shawnee.....	240		
CLAY CRAFT MINING AND BRICK CO. SIDING, Shawnee.....	240		
N. Y. C. CONNECTION, Shawnee.....	240		
SANDUSKY, MANSFIELD & NEWARK BRANCH— Newark to Willard....	240		
Willard to Sandusky..	240*	KK-1, KK-2.	
INDUSTRIAL TRACKS, Mans- field.....	230		
ERIE TRANSFER TRACK, Mansfield.....	260*	{ Erie R. R.— Class S.....	{ 15 miles per hour over Bridge 617-B for Erie R. R.— Class S engines.

NEWARK DIVISION

Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
BARNES MFG. Co. SIDING, Mansfield.....	220*		{15 miles per hour over bridge for all engines.
SHELBY SALES BOOK Co. SIDING, Shelby.....	240*		{15 miles per hour over bridge.
PLUM BROOK ORD. PLANT. OHIO SOLDIERS AND SAILORS HOME BRANCH.....	250		
WAGNER QUARRIES Co. SIDING.....	240		
ARMY RESERVE DEPOT, Columbus.....	320		
TOLEDO DIVISION CONN.- Washington C. H.....	240		
TOLEDO DIVISION CONN.- (New) Washington C. H.	240		

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BALTIMORE AND OHIO RAILROAD
OFFICE OF ENGINEER OF BRIDGES—BALTIMORE, MD.

C. E. Sloan
ENGINEER OF BRIDGES

OHIO DIVISION

OHIO DIVISION

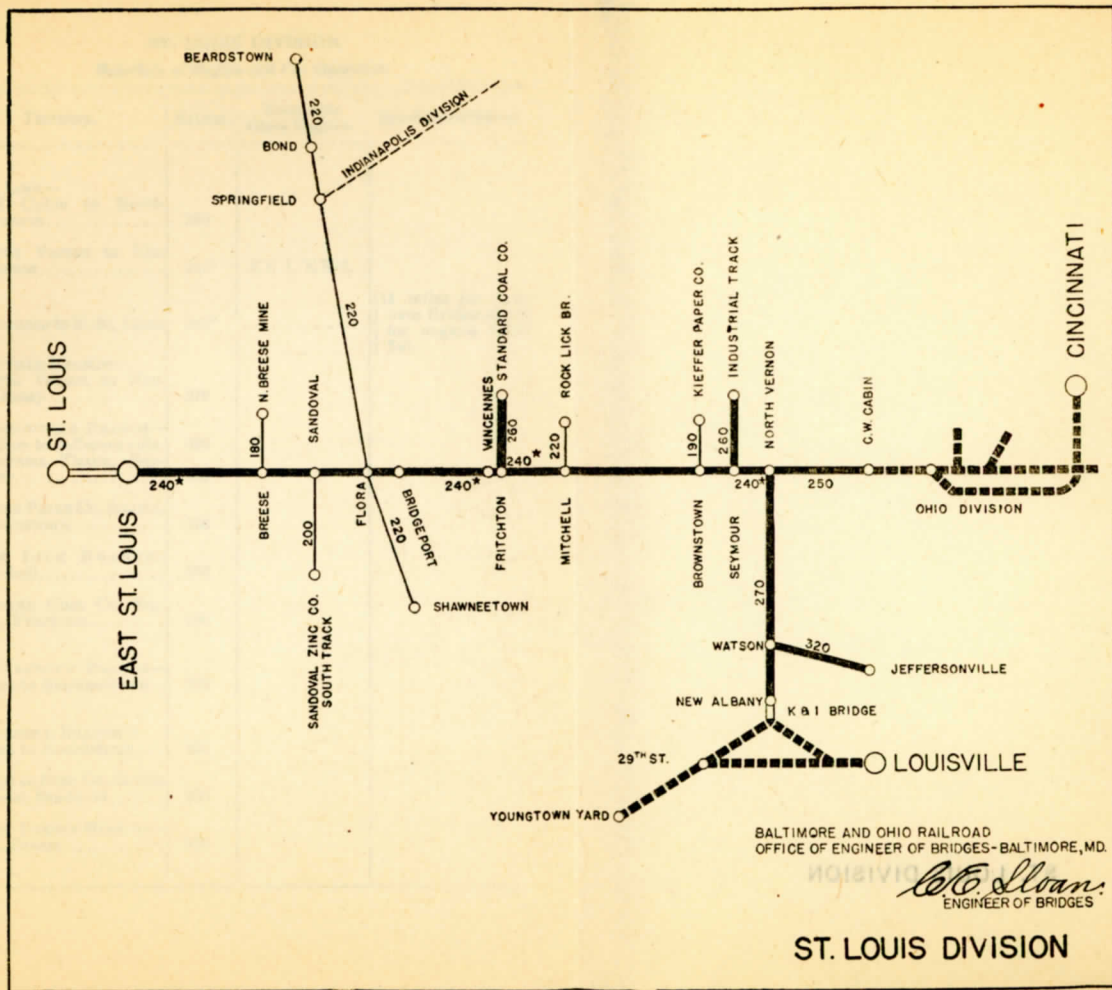
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
West End of Ohio River Bridge to R. K. Jet...	270		
R. K. Jet. to Musselman.	270*	.....	} For restriction on } Second Track, see } Wellston Line, } Toledo Div.
Musselman to Bond Hill.	270		
Bond Hill to Cincinnati Jet.....	320		
Cincinnati Jet. to CW Cabin.....	320		
End of C. H. & D., Cin- cinnati to Glendale....	320		
TERMINAL LINE—			
Cumminsville to Cinci- nati.....	320		
Cincinnati to Storrs Jet. (Southwest Conn.)....	260		
CARBONDALE BRANCH—			
Mineral to Carbondale..	240		
PORTSMOUTH BRANCH—			
Hamden to Wellston....	240		
Roads to Portsmouth...	240		
GLOBE MINE TRACK, Jack- son.....			
	240		
HURON SPUR, Jackson....			
	240		
PYRO SPUR, Clay.....			
	240		
DAVIS FIRE BRICK Co. SIDING.....			
	240		
BLACK FORK LINE "A"....			
	240		
BLACK FORK LINE "B"....			
	240		
HARBISON-WALKER RE- FRACTORIES Co., Eifort..			
	240		
BEAR RUN MINE SIDING..			
	210		
PORTSMOUTH CLAY PROD- UCTS Co. SIDING, South Webster.....			
	240		
HARBISON-WALKER MINE No. 6 SIDING, Edmunds Switch.....			
	240		
HARBISON - WALKER RE- FRACTORIES Co. SIDING, Edmonds Switch.....			
	240		

OHIO DIVISION

Schedule of Engine and Car Operation—Concluded

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
HILLSBORO BRANCH—			
Blanchester to Hillsboro	240		
GLOBE-WERNICKE Co. SIDING, Norwood.....	270		
PROCTOR & GAMBLE Co. SIDING, St. Bernard....	270		
ROSS ESTATE IND. LEAD. St. Bernard.....	240		
CONNECTING TRACK, Winton Jet.....	No bridges		
CONNECTING TRACK, Cumminsville.....	270		
JERGENS-WOODBERRY SALES CORP., Cincinnati.	270		
C. C. C. & St. L. CONNECTION, Cincinnati Jet..	320		
C. & O. R'y CONNECTION..	260		
CONNECTION TO STORES YARD.....	320		
INDUSTRIAL TRACK, Ivorydale.....	260		
RIDGEWOOD STEEL Co. SIDING, Carthage, Ohio....	240*		15 miles per hour over Bridge for all engines.
LOCKLAND BRANCH—			
Lockland to Gardner Richardson Co.....	230		
FOX PAPER Co. SIDING....	220		
FRONT STREET TRACK, Cincinnati.....	240*	KK-1, KK-2.	



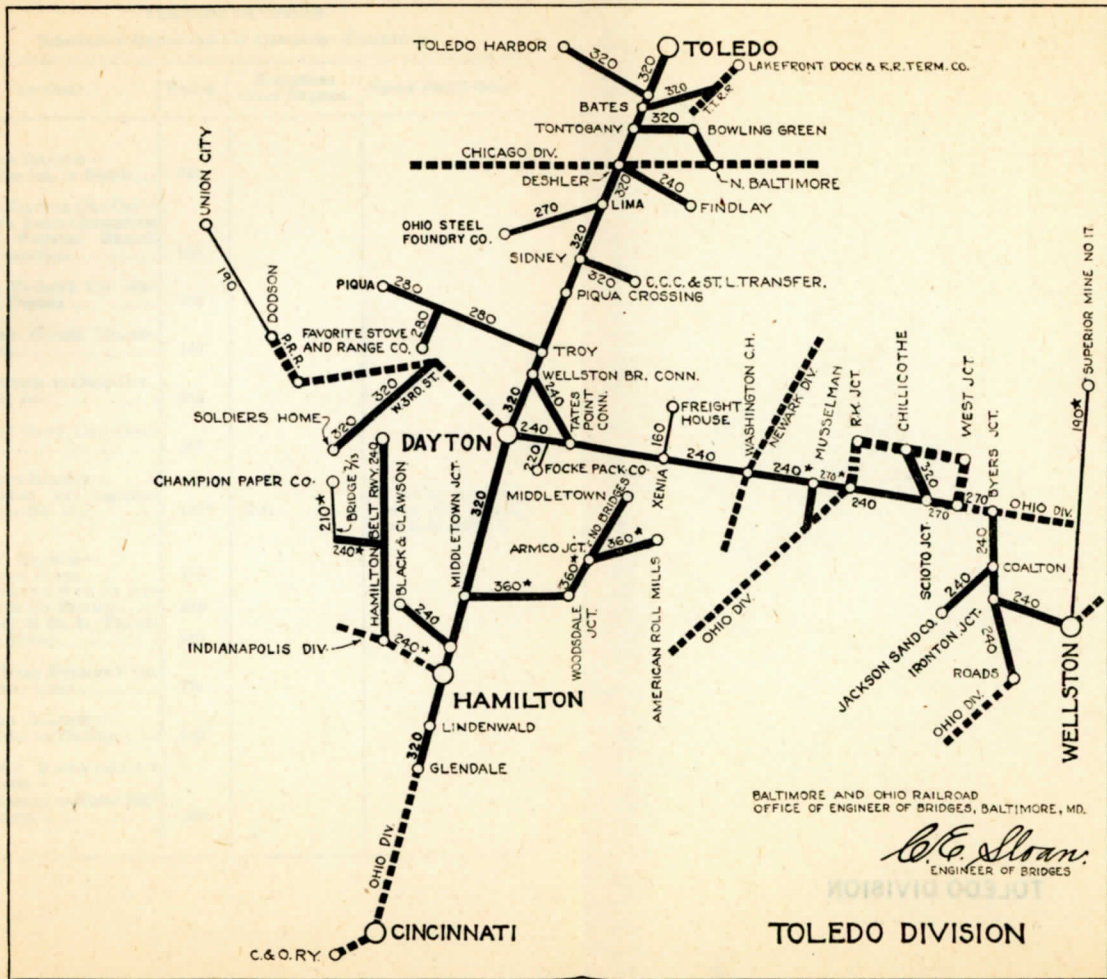
ST. LOUIS DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
C-W Cabin to North Vernon.....	250		
North Vernon to Vin- cennes.....	240*	KK-1, KK-2.	
Vincennes to E. St. Louis	240*	.....	} 15 miles per hour over Bridge 189/34 for engines rated 240.
LOUISVILLE BRANCH—			
North Vernon to New Albany.....	270		
JEFFERSONVILLE BRANCH—			
Watson to Jeffersonville.	320		
INDUSTRIAL TRACK, Sey- mour.....	260		
KIEFFER PAPER Co. SIDING, Brownstown.....	190		
ROCK LICK BRANCH, Mitchell.....	220		
STANDARD COAL Co. SID- ING, Fritchton.....	260		
SHAWNEETOWN BRANCH— Flora to Shawneetown..	220		
SPRINGFIELD BRANCH— Flora to Beardtown....	220		
SANDOVAL ZINC Co. SOUTH TRACK, Sandoval.....	200		
NORTH BREESE MINE SID- ING, Breese.....	180		

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TOLEDO DIVISION
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE— Glendale to Toledo and Toledo Harbor.....	320		
CONNECTION TO TOLEDO Terminal R. R., Bates.....	320		
HAMILTON BELT R'y.....	240		
CHAMPION COATED PAPER Co. Siding— North 900 ft. of tres. Br. 2/13.....	240*	} 15 miles per hour over Bridge 2/13 for all engines.	
South 100 ft. of tres. Br. 2/13.....	210*		
MIDDLETOWN BRANCH— Woodsdale Jct. to Armo Jct.....	360*	Hot Metal Cars	
Armo Jct. to Middle- town.....	bridges	No	
WOODSDALE CUT-OFF— Middletown Jct. to Woodsdale Jct.....	360*	Hot Metal Cars	
AMERICAN ROLLING MILLS Siding, Armo Jct.....	360*	Hot Metal Cars	
BLACK & CLAWSON SIDING, Hamilton.....	240		
HOMES AVE. R. R.— W. 3rd Street to Soldiers' Home.....	320		
DAYTON & UNION R. R.— Dodson to Union City..	190		
WELLSTON LINE— Dayton to Washington Court House.....	240		
Washington Court House to Musselman.....	240*	} 15 miles per hour over Bridge 92 for engines rated 240. 15 miles per hour over Bridges 113 and 115 for engines rated 250 or more.	
Musselman to R. K. Jct.	270*		
R. K. Jct. to Scioto Jct. Scioto Jct. to West Jct.. Byers Jct. to Wellston..	240 270 240		



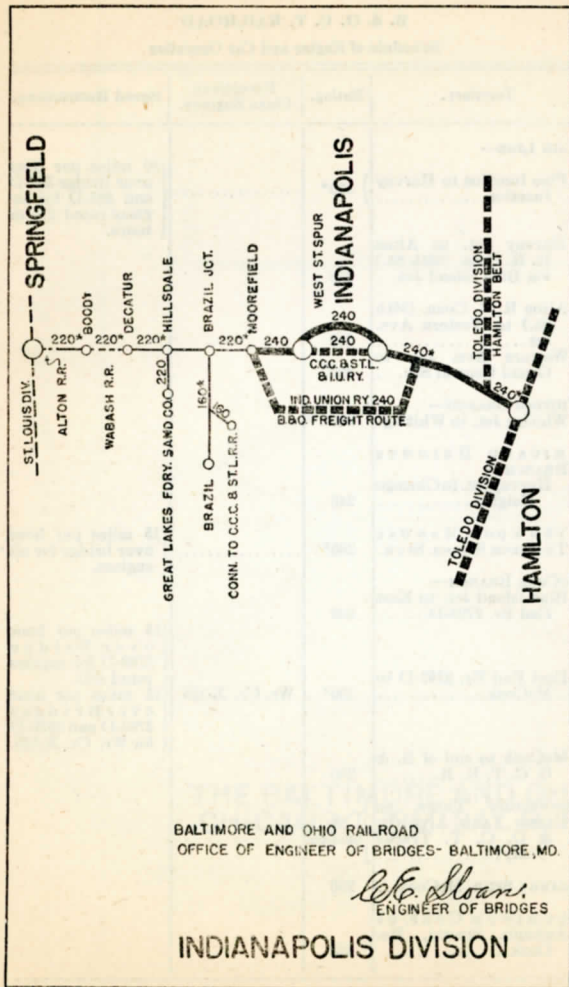
TOLEDO DIVISION

Schedule of Engine and Car Operation—Concluded.

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
IRONTON BRANCH— Ironton Jct. to Roads...	240		
NORTH DAYTON CUT OFF— Tate's Point Connection to Wellston Branch Connection.....	240		
FOCKE PACKING CO. SID- ING, Dayton.....	220		
FREIGHT HOUSE TRACKS, Xenia.....	160		
CONNECTION TO OHIO DIV., Scioto Jct.....	320		
JACKSON SAND CO., Coal- ton.....	240		
BUCKEYE BRANCH— Wellston to Superior Mine No. 17.....	190*	E-41.....	{ 15 miles per hour over all bridges for E-41 engines.
P. & T. BRANCH— Troy to Piqua.....	280		
FAVORITE STOYE AND RANGE CO. SIDING.....	280		
C. C. & ST. L. TRANS- FER, Sidney.....	320		
OHIO STEEL FOUNDRY CO. SIDING, Lima.....	270		
FINDLAY BRANCH— Deshler to Findlay.....	240		
NORTH BALTIMORE BRANCH— Tontogany to North Bal- timore.....	320		

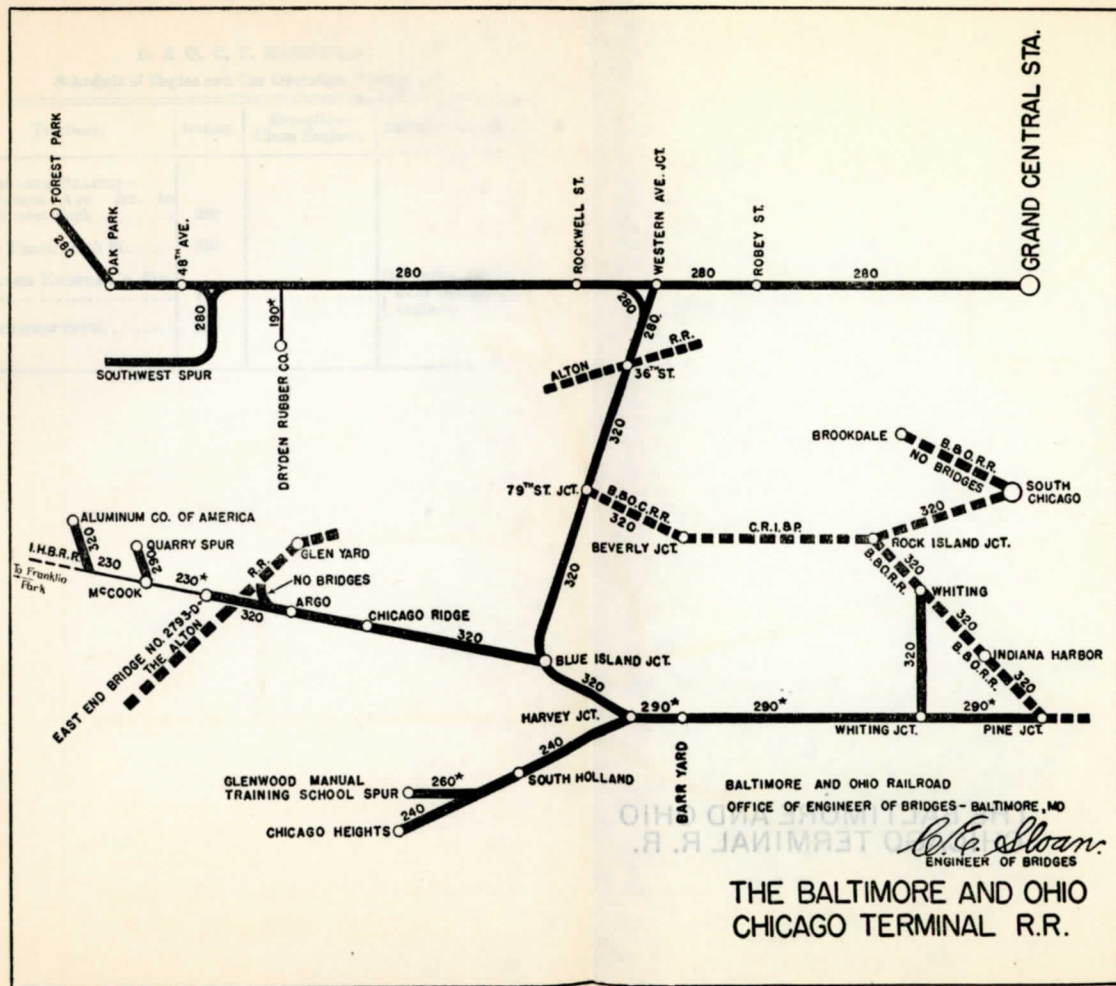
INDIANAPOLIS DIVISION
Schedule of Engine and Car Operation

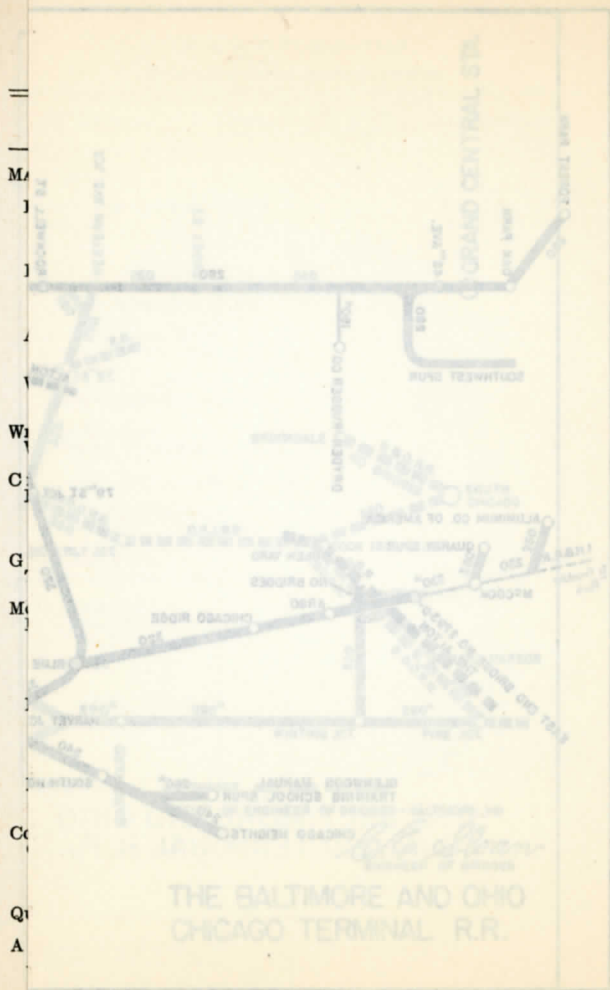
Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
C. I. & W. R. R.— Hamilton to Indianapolis Indianapolis to Moore- field.....	240*	{KK-1, KK-2, P-1d.....	
Moorefield to Decatur..	220*	{K-17 Single Headed.....	15 miles per hour over Bridges 129 and 165 for engines rated 210 or more.
Decatur to Springfield..	220*		25 miles per hour over Bridges 254 and 257 for all engines. 25 miles per hour over Bridge 239 for engines rated 220.
West St. Spur, Indian- apolis.....	240		
BRAZIL BRANCH— Brazil Junct. to Brazil .	160*	B-58, B-18d....	10 miles per hour over Bridge No. 324, all engines. Single headers only permitted over Bridge No. 324.
CONNECTION TO C. C. C. & St. L.....	160		
GREAT LAKES FDRY. SAND Co. SIDING, Hillsdale...	220		



B. & O. C. T. RAILROAD
Schedule of Engine and Car Operation

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
MAIN LINE—			
Pine Junction to Harvey Junction.....	290*		20 miles per hour over Bridge 357-D and 685-D for engines rated 270 or more.
Harvey Jct. to Alton R. R. Conn. (36th St.) via Blue Island Jct....	320		
Alton R. R. Conn. (36th St.) to Western Ave. Jct.....	280		
Western Ave. Jct. to Grand Central Sta....	280		
WHITING BRANCH— Whiting Jct. to Whiting.	320		
CHICAGO HEIGHTS BRANCH— Harvey Jct. to Chicago Heights.....	240		
GLENWOOD MANUAL TRAINING SCHOOL SPUR.	260*		15 miles per hour over bridge for all engines.
McCOOK BRANCH— Blue Island Jct. to East End Br. 2793-D.....	320		15 miles per hour over Bridge 2793-D for engines rated 230. 15 miles per hour over Bridges 2793-D and 2820-D for Wr. Cr. X-155.
East End Br. 2793-D to McCook.....	230*	Wr. Cr. X-155.	
McCook to end of B. & O. C. T. R. R.....	230		
CONNECTION TRACK TO GLENN YARD, ARGO (B. & O. C. T. Tracks only).....	No bridges		
QUARRY SPUR, McCook...	290		
ALUMINUM CORP. OF AMERICA SIDING, McCook.....	320		





B. & O. C. T. RAILROAD
Schedule of Engine and Car Operation—Concluded.

Territory.	Rating.	Exceptions Class Engines.	Speed Restrictions.
ALTENEHEIM BRANCH— Western Ave. Jct. to Forest Park.....	280		
WYE TRACK, 12th St.....	280		
DRYDEN RUBBER CO. SID- ING.....	190*	.....	(15 miles per hour over bridge for all engines.
SOUTHWEST SPUR.....	280		

BALTIMORE & OHIO LOCOMOTIVES

CLASS	TYPE	SYMBOL	WHEEL ARRANGEMENT
STEAM			
B	10 WHEEL	4-6-0	◁ ○ ○ ○ ○ ○
C	4 WHL. SW.	0-4-0	┘ ○ ○
D	6 WHL. SW.	0-6-0	┘ ○ ○ ○
E	CONSOL.	2-8-0	◁ ○ ○ ○ ○ ○
J	BALTIMORE	4-4-4	◁ ○ ○ ○ ○ ○ ○ ○
K	MOGUL	2-6-0	◁ ○ ○ ○ ○
L	8 WHL. SW.	0-8-0	┘ ○ ○ ○ ○
N	B. & O.	4-4-4-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○
P	PACIFIC	4-6-2	◁ ○ ○ ○ ○ ○ ○ ○
Q	MacARTHUR	2-8-2	◁ ○ ○ ○ ○ ○ ○ ○
S	SANTA FE	2-10-2	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○
T	MOUNTAIN	4-8-2	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○
U	10 WHL. SW.	0-10-0	┘ ○ ○ ○ ○ ○ ○
V	HUDSON	4-6-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○
Y	DECAPOD	2-10-0	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○
KB	MALLET	2-6-6-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
KK	"	2-6-6-2	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
EL	"	2-8-8-0	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
LL	"	0-8-8-0	┘ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
EE	"	2-8-8-2	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
EM	"	2-8-8-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
ELECTRIC			
GE	1 SECTION 1 UNIT	0-4-0	┘ ○ ○ L
OE	ARTICULATED	0-4-4-0	┘ ○ ○ ○ ○ L
DIESEL			
DP	2 UNIT PASSENGER ENGINE NO 50	6-6-4-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
	2 UNIT PASSENGER	6-6-6-6	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
DS	8 WHL. SW.	0-8-0	┘ ○ ○ ○ ○ L
DF	2 UNIT FREIGHT	4-8-4-4-8-4	◁ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

RATINGS OF ENGINES ACCORDING TO EFFECT ON BRIDGES

Rating	Engine Class	Engine Numbers	Weight
330	U	950, 951	349,500
320	S	6003, 6004, 6006, 6007, 6010, 6013, 6016, 6017, 6024 to 6027, 6029	} 410,200
		S-1		6100 to 6107, 6109 to 6174	436,510
	S-1A	6175 to 6224	436,510
	S-1s	6108	436,510
	EM-1	7600 to 7629	628, 700
310	EE-2	7316 to 7322	569,000
	EE-2A	7323, 7324	575,000
290	T-4	5650 to 5659	417,800
	T-4A	5660, 5661, 5662.....	417,800
	EL-1	7101, 7111, 7114	485,600
	EL-1A	7100, 7102 to 7110, 7112, 7113	485,600
	EL-2	7201 to 7203, 7205, 7207, 7211, 7212	493,000
	EL-2A	7200, 7204, 7206, 7208 to 7210, 7213, 7214	493,000
	EL-3	7116, 7118, 7122 to 7124, 7126, 7128, 7130, 7136, 7138	} 484,400
	EL-3A	7115, 7117, 7119 to 7121, 7125, 7127, 7129, 7131 to 7135, 7137, 7139 to 7144	
	EL-4	7032, 7033, 7038, 7039	471,300
	EL-4	7040, 7049	482,500
EL-5	7148, 7163	491,300	
EL-5A	7145 to 7147, 7149 to 7162, 7164 to 7170	491,300	
280	EL-6A	7300 to 7315	492,000
	KK-4	7500 to 7504	429,000
	KK-4A	7505 to 7509	429,000
	KK-4B	7510 to 7525	432,000
	KK-4C	7526 to 7540	437,000
	KK-4D	7541 to 7554	445,000
LL-1	7021, 7030, 7035, 7037	461,000	

**RATINGS OF ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight	
280	LL-1	7041, 7044 to 7047	471,000	
	T	5500, 5501	400,000	
270	KB-1	7700 to 7704	480,000	
	KB-1A	7705 to 7709	480,000	
	P-7D	5301 to 5304	347,500	
	Q-4	4400 to 4445	327,400	
	Q-4A	4446 to 4449	327,400	
	Q-4B	4450 to 4481, 4483 to 4499, 4600 to 4634	327,400	
	Q-4c	4482	347,300	
	Q-4D	4635, 4636, 4637	347,300	
	T-1	5510	384,000	
	T-2	5550	385,000	
	T-3	5555 to 5563	375,000	
	T-3A	5564	375,000	
	T-3B	5565 to 5584	375,000	
	T-3c	5585 to 5590	375,000	
260	L-4	772 to 780	231,000	
	L-4A	781 to 789	233,000	
	N-1	5600	391,550	
	Q-1xA	4045	312,000	
	V-1	5047	345,000	
	V-3	5350	365,000	
	V-4	5360	369,000	
	Y	6500, 6502 to 6507	275,500	
	250	KK-1	7400	465,000
		KK-2	7450	466,000

**RATINGS ON ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight
250	P-1D	5003, 5035, 5036, 5038, 5040, 5041, 5043, 5044, 5046, 5048, 5049, 5052, 5053, 5056, 5058, 5059, 5061, 5066, 5068, 5070, 5083 to 5087, 5091 to 5094	317,000
		P-1DA	5000, 5074, 5075	311,000
	P-7	5300, 5307, 5308, 5311, 5313, 5315, 5316, 5319, 5320	326,000
		P-7B	5306	332,500
	P-7C	5305, 5309, 5312, 5314, 5317, 5318	333,500
	P-9B	5310	334,000
	240	E-27x	2504	241,500
L-2		601 to 645	221,000
L-2A		600, 692, 696	221,000
L-2B		646 to 691, 693 to 695, 697 to 705	221,000
L-2c		706 to 714	221,000
L-3		794 to 799 (B. & O. C. T.)	210,000
P-1AA		5051, 5054, 5057, 5060, 5067, 5069, 5072, 5073, 5076 to 5079, 5081, 5082	308,500
		P-1B	5065	299,000
P-1BA		5080, 5089	299,000
P-1c		5001, 5002, 5004 to 5009, 5039, 5042, 5045, 5062, 5090	299,000
	Q-1A	4087	282,200
Q-1AA	4000 to 4005, 4007, 4009, 4010, 4013, 4014, 4016, 4018, 4021 to 4028, 4033, 4035, 4036, 4038, 4039 to 4041, 4043, 4046, 4047, 4049 to 4052, 4054 to 4056, 4058, 4059, 4062, 4064, 4065, 4067, 4069 to 4073, 4075, 4077, 4078, 4080, 4081, 4084, 4086, 4088 to 4090, 4093 to 4095, 4097 to 4099, 4101, 4104, 4108, 4109, 4113 to 4116, 4118, 4121, 4123 to 4125, 4127 to 4130, 4132 to 4135, 4139, 4141, 4142, 4144 to 4148	282,200	

**RATINGS ON ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight
240	Q-1BA	4150 to 4159, 4170, 4173 to 4177, 4179, 4180, 4184 to 4188, 4190 to 4202, 4206 to 4214, 4216, 4219	282,200
	Q-1C	4082, 4220 to 4222, 4224, 4225, 4227, 4229 to 4239, 4241 to 4255, 4257 to 4283, 4285 to 4293, 4295 to 4298, 4300 to 4329	284,500
	Q-2	4162 to 4169	294,800
	Q-3	4500 to 4574, 4576 to 4599	292,000
	Q-7F	4830 to 4879	281,900
	Q-10	4700 to 4706	275,000
	Q-10A	4707 to 4737	280,000
	Q-10B	4738 to 4746	280,000
	Q-10C	4747	297,500
	230	D-30	350 to 389	163,500
D-38		339 to 343	163,000
E-31B		2914, 2915, 2917, 2918, 2925, 2930, 2931	232,000
K-16A		901 to 910 (B. & O. C. T.)	177,100
K-17		2441 to 2450	182,300
L-1		1000, 1001	210,000
L-1A		1002 to 1085	210,000
P-6A		5230 to 5244	288,600
220		E-27B	2736, 2762, 2781, 2782, 2817, 2875, 2891, 2900	224,900
	E-27BA	2748	224,900
	E-27C	2711, 2717, 2725, 2738, 2758, 2779, 2789, 2797, 2802, 2805, 2811, 2812, 2832, 2845, 2866, 2867, 2868, 2870, 2888, 2894	224,900

**RATINGS OF ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight	
220	E-27CA	2712 to 2716, 2718, 2719, 2721 to 2724, 2726 to 2735, 2737, 2739, 2740, 2741, 2743 to 2746, 2749 to 2757, 2759 to 2761, 2763, 2764, 2766 to 2778, 2780, 2783 to 2785, 2787, 2788, 2790, 2792, 2793, 2795, 2796, 2798 to 2801, 2803, 2804, 2806 to 2810, 2813 to 2816, 2818 to 2831, 2833 to 2844, 2846 to 2865, 2869, 2871 to 2874, 2876 to 2879, 2881 to 2887, 2889, 2890, 2892, 2893, 2895 to 2899, 2901 to 2913	224,900	
	E-27D	2786, 2794	226,550	
	E-27DA	2527, 2534, 2547, 2550, 2556, 2563, 2568, 2595, 2617, 2626, 2640, 2646, 2668, 2677, 2678, 2688, 2693, 2695	226,550	
	E-27H	2520, 2529, 2537, 2555, 2558, 2561, 2562, 2565, 2597, 2608, 2609, 2625, 2644, 2689, 2706	226,550	
	E-27z	2511	235,000	
	E-36	2952	202,000	
	P-5	5200, 5205, 5207, 5209, 5212, 5217, 5219, 5222, 5225, 5226	288,000	
	P-5A	5201 to 5204, 5206, 5208, 5210, 5211, 5213 to 5216, 5218, 5220, 5221, 5223, 5224, 5227 to 5229	288,000	
	P-17A	5143 to 5148	276,000	
	P-18	5185 to 5187	276,000	
	P-18A	5189 to 5192	273,000	
	Q-odda	4160, 4161	256,360	
	210	D-40A	345	144,100
		D-44	390 to 394	144,100
E-24A		2200, 2209, 2210, 2225, 2232, 2235, 2237, 2253, 2256, 2257, 2259, 2266, 2267, 2277, 2282, 2291, 2307, 2312, 2313, 2315 to 2317, 2321, 2325, 2332, 2337, 2343, 2357, 2363, 2375, 2381	216,100	
E-31		2916, 2927, 2928	216,000	
E-31A		2919	216,000	
E-31AA		2921, 2922, 2924, 2926, 2929, 2932	226,000	

**RATINGS OF ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight
210	E-33	2936	184,000
	E-34	2947, 2949	179,000
	E-35	2951	183,000
	E-55A	3029, 3031	197,000
	E-55B	3037, 3038, 3041, 3042, 3044, 3046, 3048	200,500
	E-56	3051 to 3053	197,000
	E-56A	3054 to 3059, 3065 to 3067	197,000
	E-57A	3078	197,000
	Pc	5168, 5170, 5172, 5184	242,800
	P-3	5100 to 5103, 5105 to 5119, 5121 to 5129	248,600
	P-4	5130, 5132 to 5139	255,500
	P-8	5196 to 5199	244,000
	P-17	5140, 5142	258,000
	200	E-27	2583	208,500
E-27A		2639	211,500
E-41		590 to 599	195,100
E-60		{ 3103 to 3107, 3109, 3110, 3112 to 3128, 3130 to 3135, 3137 to 3142 }	185,000
K-20		2430, 2431, 2438	162,000
OE-1		151, 152 (Electric)	240,000
OE-2		153, 154 (Electric)	240,000
OE-3		155, 156 (Electric)	242,000
OE-4		157, 158 (Electric)	242,000
P-19		5260 to 5264	241,200
V-2		5340	294,000

**RATINGS OF ENGINES ACCORDING TO EFFECT ON
BRIDGES—Continued**

Rating	Engine Class	Engine Numbers	Weight	
190	C-16	97, 98	120,000	
	D-7	1147, 1151, 1171	126,800	
	DF-1 DF-1x	{ 1, 3, 5 (Diesel)	915,000	
	DF-2 DF-2x	{ 7, 9, 11 (Diesel)	915,000	
	DS-4E	400 to 408 (Diesel Switcher)	250,000	
	DS-4E	409 to 411 (Diesel Switcher) B.&O.C.T..	250,000	
	E-60A	3100 to 3102	176,800	
	GE-7	6500 (Gas Electric)	182,800	
	180	C-13	76	104,400
		D-12	1197	131,000
D-26A		1195	135,500	
DP-3 DP-2x		{ A-Unit } { B-Unit } 52 (Diesel)	596,300	
DP-3 DP-3x		{ A-Unit } { B-Unit } 57 to 63 (Diesel)	616,300	
DP-4		64, 66, 68, 70, 72, 74, 76, 78, 80 (Diesel)	630,000	
DS-5A		475 to 481, 490 to 508 (Diesel Switcher)	230,000	
DS-5A		482 to 489 (Diesel Switcher) S. I. R. T.	230,000	
DS-6B		413 to 437 (Diesel Switcher)	240,000	
170		B-18c	2020	173,400
	B-18CA	2000	173,400	
	B-18D	2012, 2026, 2028, 2034	173,400	
	B-18E	2037, 2044, 2046, 2057, 2061	173,400	
	B-58	171 to 180	163,000	
	D-13	1198	119,000	
	DP-2 DP-2x	{ A-Unit } { B-Unit } 51, 53 to 56 (Diesel)	570,600	

RATINGS OF ENGINES ACCORDING TO EFFECT ON BRIDGES—Continued

Rating	Engine Class	Engine Numbers	Weight
170	DS-2E	199 (Diesel Switcher)	202,600
	E-14	1294, 1525, 1531	155,500
	E-51	3002	135,500
	J-1	5330	217,800
160	B-8	1352, 1355, 1362, 1386, 1393, 1395, 1396	140,825
	B-8A	1343, 1365, 1377	140,825
	B8-B	1333	140,825
	DS-3E	200 to 215 (Diesel Switcher)	198,000
	DS-3E	216 to 221 (Diesel Switcher) B.&O.C.T.	198,000
	DS-9A	250 to 255 (Diesel Switcher)	199,000
150	B-54	245	136,000
	E-860	1212, 1214, 1224, 1228	134,200
140	DS-8G	190 (Diesel Switcher)	161,300
130	D-22	320	91,000
110	DS-1A	195 (Diesel Switcher)	120,000
	DS-7G	184 (Diesel Switcher) S. I. R. T.	131,100
	GE-1	6030 (Gas Electric)	93,200
	GE-2	6031, 6032, 6033, 6034 (Gas Electric)	94,000
	GE-3	6035, 6037, 6038, 6039, 6040, 6041, 6042, 6044, 6045 (Gas Electric)	94,700
	GE-5	6071 (Gas Electric)	100,900
	GE-6	6043 (Gas Electric)	99,000

RATINGS OF WRECKING CRANES AND OTHER EQUIPMENT ACCORDING TO EFFECT ON BRIDGES

Rating	Series	Kind	Weight
290	X-45 to X-48	Steam Wrecking Crane.....	356,760
240	X-50	Steam Wrecking Crane.....	262,100
230	W-106	Auxiliary Water Tank Car.....	230,000
210	X-42	Steam Wrecking Crane.....	227,400
	X-43	Steam Wrecking Crane.....	227,400
	X-51	Steam Wrecking Crane.....	227,000
	X-65	Steam Wrecking Crane.....	227,000
	X-74	Steam Wrecking Crane.....	227,000
	X-77	Steam Wrecking Crane.....	227,000
	X-78	Steam Wrecking Crane.....	227,000
	X-57	Steam Wrecking Crane.....	226,050
	X-75	Steam Wrecking Crane.....	225,000
	X-76	Steam Wrecking Crane.....	225,000
	X-71	Steam Wrecking Crane.....	222,200
	X-58	Steam Wrecking Crane.....	221,100
200	W-107	Auxiliary Water Tank Car.....	198,000
	X-56	Steam Wrecking Crane.....	215,700
190	X-52	Steam Wrecking Crane.....	208,000
170	X-70	Steam Wrecking Crane.....	178,000
	X-73	Steam Wrecking Crane.....	174,700
	X-55	Steam Wrecking Crane.....	173,700
160	X-44	Steam Wrecking Crane.....	164,500
	X-66	Steam Wrecking Crane.....	164,400
	X-41	Steam Wrecking Crane.....	163,400
	X-59	Steam Wrecking Crane.....	163,300
	X-40	Steam Wrecking Crane.....	162,200
	X-67	Steam Wrecking Crane.....	162,000
	X-53	Steam Wrecking Crane.....	160,000
	X-54	Steam Wrecking Crane.....	160,000
150	X-49	Steam Wrecking Crane.....	154,000
	W-121	Auxiliary Water Tank Car.....	145,200
	X-64	Steam Wrecking Crane.....	144,000
	X-72	Steam Wrecking Crane.....	144,000
	X-69	Steam Wrecking Crane.....	142,400
140	X-62	Steam Wrecking Crane.....	141,300
	X-63	Steam Wrecking Crane.....	140,370
	X-61	Steam Wrecking Crane.....	140,000
	X-79	Steam Wrecking Crane.....	132,000
	X-60	Steam Wrecking Crane.....	130,900
160	X-68	Steam Wrecking Crane.....	130,000
	X-4900	Scale Test Car.....	80,000
	X-4908	Scale Test Car.....	80,000
	X-4910 to X-4915	Scale Test Car.....	80,000



