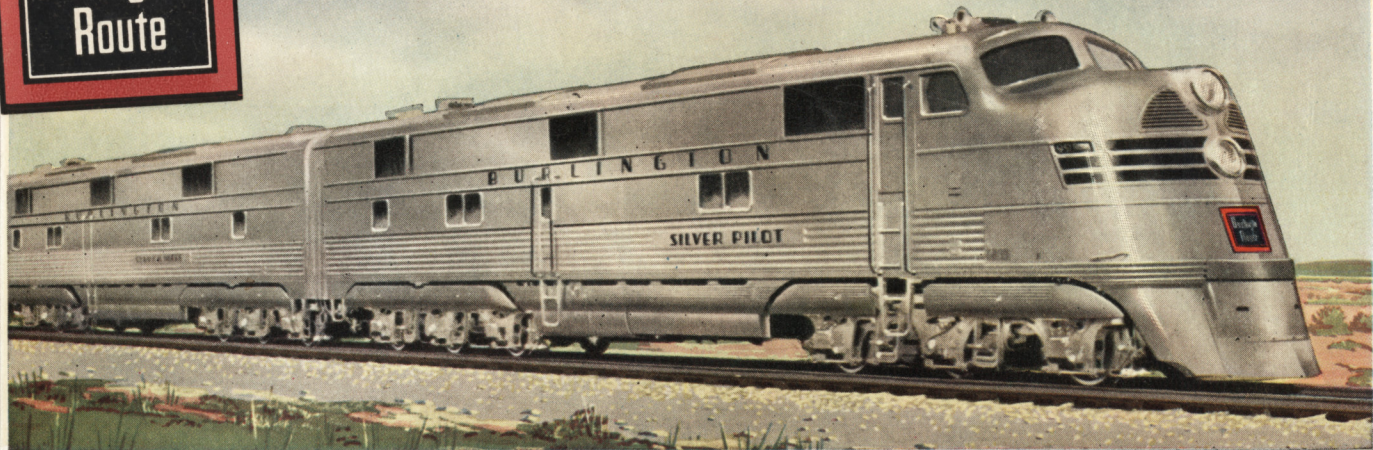


**Burlington  
Route**



4000 H.P. DIESEL PASSENGER LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A.

# 4 0 0 0 H . P . D I E S E L P A S S E N G E R L O C O M O T I V E

*Designed and Built for*

## C H I C A G O , B U R L I N G T O N & Q U I N C Y R A I L R O A D

This Diesel passenger locomotive consists of one lead and one booster unit, each equipped with two 12-cylinder, V-type, 2-cycle GM Diesel engines having a bore of  $8\frac{1}{2}$ " , stroke 10" and a unit fuel injection system. The engines are rated a full 1000 horsepower for propulsion at 800 RPM, providing a total of 2000 horsepower per unit and 4000 horsepower for the locomotive.

Each engine is directly coupled to a DC generator. The direct current is fed through control apparatus to the eight traction motors—two per truck—geared directly to the driving axles. There are two six-wheel trucks under each unit. The traction motors power only the front and rear axles of each truck. The center axle is load bearing.

### S P E C I F I C A T I O N S

#### **DIMENSIONS (per unit)**

Overall length over couplers, lead unit . . . . .	70'-4"
Overall length over couplers, booster unit . . . . .	70'-0"
Maximum width over grab irons . . . . .	10'-6 $\frac{7}{8}$ "
Maximum height above rail . . . . .	14'-11"
Distance between truck centers . . . . .	43'-0"
Truck rigid wheel base . . . . .	14'-1"
Wheel diameter . . . . .	36"

#### **SUPPLIES (per unit)**

Fuel oil . . . . .	1200 gals.
Sand . . . . .	16 cu. ft.
Lubricating oil . . . . .	330 gals.
Cooling water . . . . .	400 gals.

#### **WEIGHTS (per unit - approximate)**

Total loaded weight on rails, lead unit . . . . .	310,000 lbs.
Total loaded weight on rails, booster unit . . . . .	301,000 lbs.
Loaded weight on drivers, lead unit . . . . .	208,940 lbs.
Loaded weight on drivers, booster unit . . . . .	202,874 lbs.

