

SUBJECT: Recommended Projects for the Gulf Coast Freight Rail District Selected from the TX-DOT and Harris County Freight Rail Studies

PROJECTS:

I. Northeast Connection and East Belt Improvements North of Bridge 16

The Northeast Connection will provide southbound trains a shorter, more direct route to destinations in east or northeast Houston. Corridor Improvements include constructing additional mainline tracks to increase capacity along the corridor extending from Tower 87 to North Shore Junction. The project area contains many of Houston's major rail yards (Settegast, Englewood, North Yard) and a small yard (Pierce Yard). The following grade separations and closures are proposed:

A. RAILROAD IMPROVEMENTS	ESTIMATED COSTS
1 Northeast Connection (MP 4.0 Tower 76)	\$ 5,900,000
2 Construct second main line track with signals 1.6 miles from Tower 87 to North Shore Junction.	\$ 3,212,000
3 Construct North Yard switching leads (PTRA North Yard)	\$ 1,740,000
4 Bell Main Improvements	<u>\$ 5,200,000</u>
Sub-Total Railroad Improvements	\$ 16,052,000
B. GRADE SEPARATIONS	ESTIMATED COSTS
1 Hirsch Road	\$ 6,100,000
2 Wallisville Road	\$ 8,200,000
3 Market Street	<u>\$ 6,700,000</u>
Sub-Total Grade Separations	\$ 21,000,000
C. CLOSURES	ESTIMATED COSTS
1 Lyons Ave	\$ 50,000
2 Bringhurst Street Closure with Pedestrian Bridge (on Terminal Subdivision)	\$ 450,000
3 Wrought Iron Fence along both sides of the Terminal Sub from US 59 to Bell Main (6,310 L.F. @ \$45/ft)	<u>\$ 284,000</u>
Sub-Total Closures	\$ 784,000
Estimated Project I Costs	\$ 37,836,000

II. PTRA Line

This corridor contains Bridge 5A which is the easternmost railroad crossings of the Houston Ship Channel and a critical link in the region's rail network. There will also be construction of a double track from the south end of PTRA North Yard to Manchester Junction. The following grade separations and closures are proposed:

A. RAILROAD IMPROVEMENTS	ESTIMATED COSTS
1 Double track from the south end of PTRA North Yard to Manchester Junction	\$ 9,188,000
2 Bridge 5A new double main bridge (Houston Ship Channel)	<u>\$ 9,600,000</u>
Sub-Total Railroad Improvements	\$ 18,788,000
B. GRADE SEPARATIONS	ESTIMATED COSTS
1 South 75th Street	\$ 20,000,000
2 Manchester Street	<u>\$ 10,000,000</u>
Sub-Total Grade Separations	\$ 30,000,000
C. GRADE CLOSURES	ESTIMATED COSTS
1 South 76th Street	\$ 50,000
2 Fennell Street	\$ 50,000
3 Medina Street	\$ 50,000
4 Frio Street Closure with Pedestrian Bridge	<u>\$ 450,000</u>
Sub-Total Closures	\$ 600,000
Estimated Project II Costs	\$ 49,388,000

III. East Belt Improvements South of Bridge 16

Corridor Improvements to construct new double track bridge at Bridge 16 and between BNSF South and East Belt Yard. The following grade separations and closures are proposed:

A. RAILROAD IMPROVEMENTS	ESTIMATED COSTS
1 Bridge 16 new double main bridge (Houston Ship Channel)	\$ 9,600,000
2 Construct second main line between BNSF South and East Belt Yard (.93 miles and two turnouts)	<u>\$ 2,150,000</u>
Sub-Total Railroad Improvements	\$ 11,750,000
B. GRADE SEPARATIONS	ESTIMATED COSTS
1 Canal Street	\$ 11,000,000
2 Harrisburg Boulevard	\$ 14,000,000
3 Polk Street	\$ 10,000,000
4 Telephone Rd	\$ 10,000,000
5 Lawndale Street	<u>\$ 10,000,000</u>
Sub-Total Grade Separation	\$ 55,000,000
C. CLOSURES	ESTIMATED COSTS
1 Brady Street	\$ 50,000
2 Sherman Street Closure with Pedestrian Bridge	\$ 450,000
3 Bell Street	\$ 50,000
4 Leeland Street	\$ 50,000
5 Pease Street	\$ 50,000
6 Jefferson Street	<u>\$ 50,000</u>
Sub-Total Closures	\$ 700,000
Estimated Project III Costs	\$ 67,450,000

IV. Quiet Zones and Glidden Subdivision Grade Separation

As a short term goal, quiet zones will be installed in Houston/Harris County and Fort Bend County. The train horns can be silenced only when other safety measures, closures and quad gates, compensate for the absence of the horns. The following grade separation is proposed:

A. QUIET ZONES IN HOUSTON/HARRIS COUNTY AND FORT BEND COUNTY	ESTIMATED COSTS
	<u>\$ 5,000,000</u>
Sub-Total Quiet Zones	\$ 5,000,000
B. GRADE SEPARATION	ESTIMATED COSTS
Glidden Subdivision	<u>\$ 17,000,000</u>
Sub-Total Grade Separation	\$ 17,000,000
Estimated Project IV Costs	\$ 22,000,000

GRAND TOTAL PROJECTS I THRU IV

\$ 176,674,000