

Kipling Bridge



May '08



June '08



July '08



June '11

STRUCTURE

- The Kipling Bridge is a single span, double track light rail bridge that will also provide access for pedestrians and bicycles over Kipling Street.
- The bridge has more than 100,000 pounds of reinforcing steel and more than 3 million pounds of concrete.
- The concrete girders for the bridge are pre-stressed in order for the bridge to incur nearly 50 million pounds of force.
- To make the bridge lighter, the rails are attached to the bridge deck and the ballast and ties are eliminated.
- The bike path, funded by the City of Lakewood, is on the north side of the bridge and is separated from the light rail tracks by a fence.

CONSTRUCTION

- The Kipling Bridge was the first light rail bridge built on the West Rail Line.
- Retaining walls were built on both sides of Kipling Street to bring the grade up to the level of the bridge and track.
- The bridge over Kipling incorporates sound walls on top of the approach walls.

OVERVIEW

Total weight of bridge	3.1 million pounds
Length of bridge	120 feet
Height over Kipling	30 feet from finished grade to top of deck
Number of spans	1 (120')

The Kipling Bridge is part of the RTD FasTracks West Rail Line.

Designed by Kass Alkanani of Felsburg Holt and Ullevig, a sub-consultant to David Evans & Associates

Constructed by Edward Kraemer & Sons, sub-contractor to Denver Transit Construction Group