Bridging the Gaps in the Emerald Necklace

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Netherlands Road and Brookline Avenue Existing Conditions
Boston Side Paths
Netherlands Road Design
Parkway Road Design
Brookline Crossing Design
River Road
River Road Crossing
Existing Conditions
River Road Design
Route 9 At-Grade Crossing
Route 9 At-Grade Crossing
Existing Conditions
Route 9 At-Grade Design
Route 9 Grade-Separated Crossing
Section 3 Grade-Separated Alternatives
Grade-Separated Alternatives

- Alternative 1: Footbridge shown in RED
- Alternative 2: Curley Overpass shown in BLUE
Alternative 1: Separated Footbridge
Footbridge Design

Emerald Necklace Bike Path
Boston, Massachusetts
117' x 12'

BIG R Manufacturing LLC

Preliminary Only
Not for Construction

General Notes:
2) All steel is the following properties (unless otherwise noted):
   a) Tubular: ASTM A500 Fy = 50 ksi
   b) Plates: ASTM A36 Fy = 36 ksi
   c) H-beam: ASTM A992 Fy = 50 ksi
3) The use of a material and welding or flux coated and welding processes will be used.
4) All top and bottom chords shall be spliced to complete construction type welds. Held between top chord and end verticals, shall be complete penetration type made on both sides with a 1/8" minimum groove weld on one side and a fillet weld on the other side.
5) Design Loading:
   a) 25% Commuter Line Load
   b) 100% Variable Loading
   c) Dead and dead loading against weight of structure as if disturbed.
6) Primer:
   a) All exterior surfaces of steel shall be coated in accordance with steel structures painting council surface preparation specifications No. 1: commercial blast cleaning (Sa-2-1/2 - light dust).
Footbridge Design
Alternative 2: Curley Overpass
Curley Overpass Redesign

Existing Conditions

Proposed Redesign
Cost Comparison of Grade-Separated Crossing

Footbridge = $1,030,000

Curley Overpass = $215,000
Closing the Last Gap
Connection to Olmsted Park
Summary

- Dual path system fully restored between Netherlands Road and Route 9
- Added a Net of 11,000 S.F. of Parkland
- Total cost for preferred alternatives with Curley Overpass Redesign is $912,000
Brookline Side
$131,000

At-Grade
$185,000

Grade Separated
$215,000 – Curley Overpass
$1,030,000 – Footbridge

Boston Side
$263,000

River Road
$119,000
Questions?