



Project Correspondence

Date: June 23, 2015
To: Jeff Bender, SDOT Project Manager
From: Joe Przychodzen, PE, HNTB
Subject: Route 44 Transit enhancements
SDOT Agreement 14-027
HNTB Job Number 63186
Engineer's Estimate of Probable Construction Cost – **5% Design –Spot Improvements West of I-5.**

Attached is our Engineer's Estimate of Probable Construction Cost that reflects the 5% design level for the project. The estimate is based on the 5% design plans and known improvements requested by SDOT.

The costs shown in the attached estimates represent an estimate of probable construction cost prepared in good faith and with reasonable care. HNTB has no control over the costs of construction labor, materials, or equipment, nor over competitive bidding or negotiating methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from the attached estimates.

Utilizing the SDOT Cost Estimate spreadsheet, the 5% design level construction cost is estimated to be \$537,000. However, this estimate does not include typical contingency factors applied at this level of design. The estimated construction cost of the project including construction engineering and contingencies have been estimated at 5% level design. Below is a summary of the estimate:

Opinion of Probable Construction Costs			
1	Subtotal from SDOT Spreadsheets before Mobilization		\$ 537,000.00
2	Inflation factor (Avg 2014), 1.6% of Line 1, for one year	1.6%	\$ 8,592.00
3	Subtotal (Lines 1 and 2)		\$ 545,592.00
4	Mobilization, 10% of Line 3	10%	\$ 54,559.00
5	Subtotal (Lines 3 and 4)		\$ 600,151.00
6	Sales Tax of Line 5	9.50%	\$ 57,014.00
7	Right of Way)(\$150/s.f.)	450 sf	\$ 67,500.00
8	Subtotals (Line 5 through 7)		\$ 724,665.00
9	Design Contingencies (35% of Line 8)	35%	\$ 253,633.00
10	Subtotal with Design Contingency (Line 8+Line 9)		\$ 978,298.00
11	Construction Management (20% of Line 10)	20%	\$ 195,660.00
12	Design Engineering (30% of Line 10)	30%	\$ 293,489.00
13	City Work Force (Signal Timing - 3.5% of Line 10)	3.5%	\$ 34,240.00
14	Construction Total (Lines 10 through 13)		\$ 1,501,687.00

Our 5% design level construction cost estimate is determined to be approximately \$1,500,000

Allocation of cost estimate by intersection is as follows:

- N 45th Street/Wallingford Avenue N (15%) = \$225,000
- N 45th Street/N Midvale Place (50%) = \$750,000
- N 46th Street/Fremont Ave N (35%) = \$525,000

Please do not hesitate to call if you have any questions or comments.