

Appendix A

Detailed Cost Estimates

**Banister Road Feasibility Study
Conceptual Cost Estimate - Option 1
5/18/2004**

Project Description

This conceptual cost estimate is for the recommended Banister Rd. corridor concept. The costs are based the conceptual layouts performed by Michael Wallwork of Alternate Street Design. The following assumptions were made:

- * Existing curb and gutter will be utilized where possible
- * In the medians that will be landscaped, sod will be placed in the median.
- * All areas between the sidewalk and the curb will be sodded.
- * Existing sidewalk will be used if possible

Conceptual Cost Estimate

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Contractor Construction Staking	Lump Sum	0	\$0	\$0
Clearing and Grubbing	Lump Sum	1	\$5,000	\$5,000
Removal of Existing Structures	Lump Sum	1	\$35,000	\$35,000
Mobilization	Lump Sum	1	\$20,000	\$20,000
Earthwork	Lump Sum	1	\$20,000	\$20,000
Asphaltic Concrete Bituminous Base Course (10")	Sq. Yd.	0	\$30	\$0
Asphaltic Concrete Surface Course (2")	Sq. Yd.	0	\$8	\$0
4" Aggregate Base Course	Sq. Yd.	0	\$6	\$0
Curb and Gutter, Combined	Lin. Ft.	0	\$13	\$0
Concrete Sidewalk Construction	Sq. Ft.	5000	\$5	\$25,000
Asphalt Hike/Bike Trail	Sq. Yd.	0	\$18	\$0
Concrete Driveway Apron	Sq. Yd.	0	\$50	\$0
Pedestrian Bridge	Lump Sum	0	\$0	\$0
Drainage	Lump Sum	0	\$0	\$0
Landscaping	Lump Sum	1	\$120,000	\$120,000
Sodding	Sq. Yd.	6000	\$5	\$30,000
Seeding	Ac.	0	\$0	\$0
Irrigation System	Lump Sum	1	\$40,000	\$40,000
Erosion Control	Lump Sum	0	\$80,000	\$0
Pavement Marking	Lump Sum	0	\$60,000	\$0
Permanent Signing	Lump Sum	0	\$60,000	\$0
Electric Lighting System	Lump Sum	0	\$260,000	\$0
Traffic Control	Lump Sum	1	\$5,000	\$5,000

Sub-Total	\$300,000
20% Contingency	\$60,000
Estimated Construction Cost	\$360,000
Utility Relocation	\$0
Right-of Way and Easement Acquisition	\$0
Engineering and Administration	\$0
TOTAL	<u>\$360,000</u>

Note: All Unit Prices based on 2003 values. The costs shown on this estimate represent an estimate of probable costs 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 this estimate.

Banister Road Feasibility Study
Conceptual Cost Estimate - Option 2
5/18/2004

Project Description

This conceptual cost estimate is for the recommended Banister Rd. corridor concept. The costs are based the conceptual layouts performed by Michael Wallwork of Alternate Street Design. The following assumptions were made:

- * Existing curb and gutter will be utilized where possible
- * In the medians that will be landscaped, all existing curb and gutter will be replaced and sod will be placed in the median.
- * All areas between the sidewalk and the curb will be sodded.
- * All areas outside the sidewalk will be seeded.
- * Lighting will be provided throughout the corridor.
- * Existing sidewalk will be used if possible

Conceptual Cost Estimate

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Contractor Construction Staking	Lump Sum	1	\$85,000	\$85,000
Clearing and Grubbing	Lump Sum	1	\$125,000	\$125,000
Removal of Existing Structures	Lump Sum	1	\$75,000	\$125,000
Mobilization	Lump Sum	1	\$400,000	\$400,000
Earthwork	Lump Sum	1	\$100,000	\$200,000
Asphaltic Concrete Bituminous Base Course (10")	Sq. Yd.	7800	\$30	\$234,000
Asphaltic Concrete Surface Course (2")	Sq. Yd.	66000	\$8	\$528,000
4" Aggregate Base Course	Sq. Yd.	7500	\$6	\$45,000
Curb and Gutter, Combined	Lin. Ft.	22000	\$13	\$286,000
Concrete Sidewalk Construction	Sq. Ft.	8800	\$5	\$44,000
Asphalt Hike/Bike Trail	Sq. Yd.	6000	\$18	\$108,000
Concrete Driveway Apron	Sq. Yd.	600	\$50	\$30,000
Pedestrian Bridge	Lump Sum	1	\$350,000	\$350,000
Drainage	Lump Sum	1	\$100,000	\$100,000
Landscaping	Lump Sum	1	\$275,000	\$200,000
Sodding	Sq. Yd.	24000	\$5	\$120,000
Seeding	Ac.	5	\$2,000	\$10,000
Irrigation System	Lump Sum	1	\$40,000	\$40,000
Erosion Control	Lump Sum	1	\$80,000	\$80,000
Pavement Marking	Lump Sum	1	\$60,000	\$60,000
Permanent Signing	Lump Sum	1	\$60,000	\$60,000
Electric Lighting System	Lump Sum	1	\$260,000	\$260,000
Traffic Control	Lump Sum	1	\$130,000	\$130,000

Sub-Total	\$3,620,000
20% Contingency	\$730,000
Estimated Construction Cost	\$4,350,000
Utility Relocation	\$200,000
Right-of Way and Easement Acquisition	\$650,000
Engineering and Administration	\$600,000
TOTAL	<u>\$5,800,000</u>

Note: All Unit Prices based on 2003 values. The costs shown on this estimate represent an estimate of probable costs 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 this estimate.

Banister Road Feasibility Study
Conceptual Cost Estimate - Option 3
4/16/04

Project Description

This conceptual cost estimate is for the recommended Ultimate Banister Rd. corridor concept. The costs are based the conceptual layouts performed by Michael Wallwork of Alternate Street Design. The following assumptions were made:

- * Existing curb and gutter will be utilized where possible
- * In the medians that will be landscaped, all existing curb and gutter will be replaced and sod will be placed in the median.
- * All areas between the sidewalk and the curb will be sodded.
- * All areas outside the sidewalk will be seeded.
- * Lighting will be provided throughout the corridor.
- * Existing sidewalk will be used if possible

Conceptual Cost Estimate

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Contractor Construction Staking	Lump Sum	1	\$100,000	\$100,000
Clearing and Grubbing	Lump Sum	1	\$125,000	\$125,000
Removal of Existing Structures	Lump Sum	1	\$100,000	\$125,000
Mobilization	Lump Sum	1	\$450,000	\$450,000
Earthwork	Lump Sum	1	\$235,000	\$235,000
Asphaltic Concrete Bituminous Base Course (10")	Sq. Yd.	12100	\$30	\$363,000
Asphaltic Concrete Surface Course (2")	Sq. Yd.	74000	\$8	\$592,000
4" Aggregate Base Course	Sq. Yd.	7500	\$6	\$45,000
Curb and Gutter, Combined	Lin. Ft.	27000	\$13	\$351,000
Concrete Sidewalk Construction	Sq. Ft.	10000	\$5	\$50,000
Asphalt Hike/Bike Trail	Sq. Yd.	6000	\$18	\$108,000
Concrete Driveway Apron	Sq. Yd.	600	\$50	\$30,000
Pedestrian Bridge	Lump Sum	1	\$350,000	\$350,000
Drainage	Lump Sum	1	\$125,000	\$125,000
Landscaping	Lump Sum	1	\$250,000	\$250,000
Sodding	Sq. Yd.	25200	\$5	\$126,000
Seeding	Ac.	5	\$2,000	\$10,000
Irrigation System	Lump Sum	1	\$50,000	\$50,000
Erosion Control	Lump Sum	1	\$100,000	\$100,000
Pavement Marking	Lump Sum	1	\$75,000	\$75,000
Permanent Signing	Lump Sum	1	\$70,000	\$70,000
Electric Lighting System	Lump Sum	1	\$300,000	\$300,000
Traffic Control	Lump Sum	1	\$130,000	\$130,000

Sub-Total	\$4,160,000
20% Contingency	\$840,000
Estimated Construction Cost	\$5,000,000
Utility Relocation	\$200,000
Right-of Way and Easement Acquisition	\$800,000
Engineering and Administration	\$600,000
TOTAL	<u>\$6,600,000</u>

Note: All Unit Prices based on 2003 values. The costs shown on this estimate represent an estimate of probable costs 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 this estimate.