

| <b>Interchange</b> | <b>Cost Estimate</b> |
|--------------------|----------------------|
| Rocker 1           | \$ 2,375,000         |
| Mainline 1         | \$ 1,905,440         |
| West Butte 1       | \$ 8,170,324         |
| West Butte 3       | \$ 15,604,142        |
| Mainline 2         | \$ 28,500,000        |
| Excelsior 1        | \$ 3,250,000         |
| Montana 1          | \$ 1,750,000         |
| Montana 2          | \$ 2,375,000         |
| Harrison 1         | \$ 24,090,650        |
| Harrison 2         | \$ 18,502,775        |
| Harrison 20        | \$ 10,750,000        |
| Harrison 21        | \$ 1,750,000         |
| Harrison 22        | \$ 5,375,000         |
| Harrison 23        | \$ 7,500,000         |
| East Butte 2       | \$ 3,250,000         |
| East Butte 3       | \$ 38,514,820        |
| Continental 2      | \$ 1,750,000         |

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**Rocker - Option 1**

**Description:** Roundabouts at ramp terminals to combine ramps and frontage roads  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 6,045    | TON  | \$80       | \$483,600          |                    |   |
| Aggregate Base Course (16")                    | 6,106    | CY   | \$25       | \$152,650          |                    |   |
| Curb and Gutter                                | 2,802    | LF   | \$20       | \$56,040           |                    |   |
| Sidewalk                                       | 5,370    | SF   | \$50       | \$268,500          |                    |   |
| Earthwork                                      | 9,159    | CY   | \$15       | \$137,385          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$1,098,175        |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                |                    |   |
|  |          |      |            |                    | \$0                |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$1,098,175        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$32,945           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$21,964           |   |
| Landscape                                      |          |      | 10%        |                    | \$109,818          | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$21,964           |   |
| Traffic Control                                |          |      | 10%        |                    | \$109,818          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$109,818          |   |
| <b>Total</b>                                   |          |      | 37%        |                    | \$406,325          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,504,500        |   |
| Contingencies                                  |          |      | 25%        |                    | \$400,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,900,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,900,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$190,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$285,000          |                    |   |
| <b>TOTAL OPTION R-1 COSTS</b>                  |          |      |            | <b>\$2,375,000</b> |                    |   |

**Mainline 1**

**Description:** Lengthen EB acceleration lane length  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 4,960    | TON  | \$80       | \$396,800          |                    |   |
| Aggregate Base Course (16")                    | 5,010    | CY   | \$25       | \$125,250          |                    |   |
| Curb and Gutter                                | 0        | LF   | \$20       | \$0                |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 22,545   | CY   | \$15       | \$338,175          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$860,225          |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                |                    |   |
|  |          |      |            |                    | \$0                |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$860,225          |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$25,807           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$17,205           |   |
| Landscape                                      |          |      | 2%         |                    | \$17,205           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$17,205           |   |
| Traffic Control                                |          |      | 10%        |                    | \$86,023           |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$86,023           |   |
| <b>Total</b>                                   |          |      | 29%        |                    | \$249,465          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,109,690        |   |
| Contingencies                                  |          |      | 25%        |                    | \$300,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,400,000        |                    |   |
| Right of Way Acquisition                       | 77,720   | SF   | \$2        | \$155,440          |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$140,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$210,000          |                    |   |
| <b>TOTAL OPTION M-1 COSTS</b>                  |          |      |            | <b>\$1,905,440</b> |                    |   |

**West Butte - Option 1**

Description: Relocate WB off-ramp to a right side exit

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

| Item Description                               | OPTION COSTS |      |            |                    |                    | Remarks   |
|--|--------------|------|------------|--------------------|--------------------|---|
|  | Quantity     | Unit | Unit Price | Cost               | Cost Extension     |   |
| <b>Quantifiable Items</b>                      |              |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 4,088        | SF   | \$250      | \$1,022,000        |                    |   |
| Bridge - Steel                                 | 0            | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 6,952        | TON  | \$80       | \$556,160          |                    |   |
| Aggregate Base Course (16")                    | 7,023        | CY   | \$25       | \$175,575          |                    |   |
| Curb and Gutter                                | 0            | LF   | \$15       | \$0                |                    |   |
| Sidewalk                                       | 0            | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 120,000      | CY   | \$12       | \$1,440,000        |                    |   |
| Retaining Walls                                | 8,887        | SF   | \$50       | \$444,350          |                    |   |
| Overhead Signs                                 | 2            | EA   | \$50,000   | \$100,000          |                    |   |
|  |              |      |            |                    | \$3,738,085        |   |
| <b>Intersection Improvements</b>               |              |      |            |                    |                    |   |
| Minor rework areas                             | 0            | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0            | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0            | LS   | \$250,000  | \$0                |                    |   |
|  |              |      |            |                    | \$0                |   |
| <b>Subtotal Section Core Items</b>             |              |      |            |                    | \$3,738,085        |   |
| <b>Miscellaneous Items as Percentages</b>      |              |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |              |      | 10%        |                    | \$373,809          | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |              |      | 2%         |                    | \$74,762           |   |
| Landscape                                      |              |      | 2%         |                    | \$74,762           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |              |      | 2%         |                    | \$74,762           |   |
| Traffic Control                                |              |      | 10%        |                    | \$373,809          |   |
| Mobilization & Misc.                           |              |      | 10%        |                    | \$373,809          |   |
| <b>Total</b>                                   |              |      | <b>36%</b> |                    | <b>\$1,345,711</b> |   |
| <b>Subtotal Section Miscellaneous Items</b>    |              |      |            |                    | \$5,083,796        |   |
| Contingencies                                  |              |      | 25%        |                    | \$1,300,000        |   |
| <b>CONSTRUCTION COST</b>                       |              |      |            |                    | <b>\$6,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |              |      |            |                    |                    |   |
| Construction Cost                              |              |      |            | \$6,400,000        |                    |   |
| Right of Way Acquisition                       | 85,162       | SF   | \$2        | \$170,324          |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |              |      |            | \$640,000          |                    |   |
| Construction Engineering - 15% of Construction |              |      |            | \$960,000          |                    |   |
| <b>TOTAL OPTION WB-1 COSTS</b>                 |              |      |            | <b>\$8,170,324</b> |                    |   |

**West Butte - Option 3**

Description: Diamond interchange with reclassified I-115

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost                | Cost Extension      | Remarks   |
|--|----------|------|------------|---------------------|---------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                     |                     |   |
| Bridge - Precast Concrete Girder               | 11,368   | SF   | \$250      | \$2,842,000         |                     |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                 |                     |   |
| Asphalt Pavement (8")                          | 16,691   | TON  | \$80       | \$1,335,280         |                     |   |
| Aggregate Base Course (16")                    | 16,860   | CY   | \$25       | \$421,500           |                     |   |
| Curb and Gutter                                | 0        | LF   | \$15       | \$0                 |                     |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                 |                     |   |
| Earthwork                                      | 137,869  | CY   | \$12       | \$1,654,428         |                     |   |
| Retaining Walls                                | 9,000    | SF   | \$50       | \$450,000           |                     |   |
| Overhead Signs                                 | 3        | EA   | \$50,000   | \$150,000           |                     |   |
|  |          |      |            |                     | \$6,853,208         |   |
| <b>Intersection Improvements</b>               |          |      |            |                     |                     |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                 |                     |   |
| Major Drainage Items                           | 2        | LS   | \$25,000   | \$50,000            |                     |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                 |                     |   |
|  |          |      |            |                     | \$50,000            |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                     | \$6,903,208         |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                     |                     |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                     | \$690,321           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                     | \$138,064           |   |
| Landscape                                      |          |      | 2%         |                     | \$138,064           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                     | \$138,064           |   |
| Traffic Control                                |          |      | 10%        |                     | \$690,321           |   |
| Mobilization & Misc.                           |          |      | 10%        |                     | \$690,321           |   |
| <b>Total</b>                                   |          |      | 36%        |                     | \$2,485,155         |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                     | \$9,388,363         |   |
| Contingencies                                  |          |      | 25%        |                     | \$2,300,000         |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                     | <b>\$11,700,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                     |                     |   |
| Construction Cost                              |          |      |            | \$11,700,000        |                     |   |
| Right of Way Acquisition                       | 489,571  | SF   | \$2        | \$979,142           |                     | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$1,170,000         |                     |   |
| Construction Engineering - 15% of Construction |          |      |            | \$1,755,000         |                     |   |
| <b>TOTAL OPTION WB-3 COSTS</b>                 |          |      |            | <b>\$15,604,142</b> |                     |   |

**Mainline 2**

**Description:** Bridge replacement and curve widening  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost                | Cost Extension      | Remarks   |
|--|----------|------|------------|---------------------|---------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                     |                     |   |
| Bridge - Precast Concrete Girder               | 57,716   | SF   | \$225      | \$12,986,100        |                     |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                 |                     |   |
| Asphalt Pavement (8")                          | 3,496    | TON  | \$80       | \$279,680           |                     |   |
| Aggregate Base Course (16")                    | 3,532    | CY   | \$25       | \$88,300            |                     |   |
| Curb and Gutter                                | 0        | LF   | \$15       | \$0                 |                     |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                 |                     |   |
| Earthwork                                      | 5,297    | CY   | \$12       | \$63,564            |                     |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                 |                     |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                 |                     |   |
|  |          |      |            |                     | \$13,417,644        |   |
| <b>Intersection Improvements</b>               |          |      |            |                     |                     |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                 |                     |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                 |                     |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                 |                     |   |
|  |          |      |            |                     | \$0                 |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                     | \$13,417,644        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                     |                     |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                     | \$1,341,764         | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                     | \$268,353           |   |
| Landscape                                      |          |      | 2%         |                     | \$268,353           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                     | \$268,353           |   |
| Traffic Control                                |          |      | 10%        |                     | \$1,341,764         |   |
| Mobilization & Misc.                           |          |      | 10%        |                     | \$1,341,764         |   |
| <b>Total</b>                                   |          |      | 36%        |                     | \$4,830,352         |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                     | \$18,247,996        |   |
| Contingencies                                  |          |      | 25%        |                     | \$4,600,000         |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                     | <b>\$22,800,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                     |                     |   |
| Construction Cost                              |          |      |            | \$22,800,000        |                     |   |
| Right of Way Acquisition                       | 0        | SF   | \$2        | \$0                 |                     | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$2,280,000         |                     |   |
| Construction Engineering - 15% of Construction |          |      |            | \$3,420,000         |                     |   |
| <b>TOTAL OPTION WB-3 COSTS</b>                 |          |      |            | <b>\$28,500,000</b> |                     |   |

**Excelsior - Option 1**

**Description:** Extend acceleration/deceleration length on all ramps  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 5,422    | SF   | \$250      | \$1,355,500        |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 2,074    | TON  | \$80       | \$165,920          |                    |   |
| Aggregate Base Course (16")                    | 2,095    | CY   | \$25       | \$52,375           |                    |   |
| Curb and Gutter                                | 0        | LF   | \$15       | \$0                |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 3,143    | CY   | \$12       | \$37,716           |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$1,611,511        |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                |                    |   |
|  |          |      |            |                    | \$0                |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$1,611,511        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$48,345           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$32,230           |   |
| Landscape                                      |          |      | 2%         |                    | \$32,230           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$32,230           |   |
| Traffic Control                                |          |      | 10%        |                    | \$161,151          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$161,151          |   |
| <b>Total</b>                                   |          |      | 29%        |                    | \$467,338          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$2,078,849        |   |
| Contingencies                                  |          |      | 25%        |                    | \$500,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$2,600,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$2,600,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$260,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$390,000          |                    |   |
| <b>TOTAL OPTION EX-1 COSTS</b>                 |          |      |            | <b>\$3,250,000</b> |                    |   |



**Montana - Option 1**

**Description:** Signalize ramp terminals and modify frontage/ramp access  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 960      | TON  | \$80       | \$76,800           |                    |   |
| Aggregate Base Course (16")                    | 969      | CY   | \$25       | \$24,225           |                    |   |
| Curb and Gutter                                | 4,812    | LF   | \$15       | \$72,180           |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 1,454    | CY   | \$12       | \$17,448           |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$190,653          |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 2        | LS   | \$50,000   | \$100,000          |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 2        | LS   | \$250,000  | \$500,000          |                    |   |
|  |          |      |            |                    | \$600,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$790,653          |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$23,720           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$15,813           |   |
| Landscape                                      |          |      | 10%        |                    | \$79,065           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$15,813           |   |
| Traffic Control                                |          |      | 10%        |                    | \$79,065           |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$79,065           |   |
| <b>Total</b>                                   |          |      | 37%        |                    | \$292,542          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,083,195        |   |
| Contingencies                                  |          |      | 25%        |                    | \$300,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,400,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$140,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$210,000          |                    |   |
| <b>TOTAL OPTION MT-1 COSTS</b>                 |          |      |            | <b>\$1,750,000</b> |                    |   |

**Montana - Option 2**

**Description:** Roundabouts at ramp terminals and shared frontage/ramp access  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 6,947    | TON  | \$80       | \$555,760          |                    |   |
| Aggregate Base Course (16")                    | 7,017    | CY   | \$25       | \$175,425          |                    |   |
| Curb and Gutter                                | 3,458    | LF   | \$15       | \$51,870           |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 10,525   | CY   | \$12       | \$126,300          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$909,355          |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 4        | LS   | \$50,000   | \$200,000          |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                |                    |   |
|  |          |      |            |                    | \$200,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$1,109,355        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$33,281           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$22,187           |   |
| Landscape                                      |          |      | 10%        |                    | \$110,936          | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$22,187           |   |
| Traffic Control                                |          |      | 10%        |                    | \$110,936          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$110,936          |   |
| <b>Total</b>                                   |          |      | 37%        |                    | \$410,461          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,519,816        |   |
| Contingencies                                  |          |      | 25%        |                    | \$400,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,900,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,900,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$190,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$285,000          |                    |   |
| <b>TOTAL OPTION MT-2 COSTS</b>                 |          |      |            | <b>\$2,375,000</b> |                    |   |

**Harrison - Option 1**

**Description:** Reconstruct interchange as single point urban interchange (SPUI) and replace bridges

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost                | Cost Extension      | Remarks   |
|--|----------|------|------------|---------------------|---------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                     |                     |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                 |                     |   |
| Bridge - Steel                                 | 15,800   | SF   | \$350      | \$5,530,000         |                     |   |
| Asphalt Pavement (8")                          | 21,927   | TON  | \$80       | \$1,754,160         |                     |   |
| Aggregate Base Course (16")                    | 22,149   | CY   | \$25       | \$553,725           |                     |   |
| Curb and Gutter                                | 2,430    | LF   | \$15       | \$36,450            |                     |   |
| Sidewalk                                       | 7,151    | SF   | \$50       | \$357,550           |                     |   |
| Earthwork                                      | 73,932   | CY   | \$12       | \$887,184           |                     |   |
| Retaining Walls                                | 14,400   | SF   | \$50       | \$720,000           |                     |   |
| Overhead Signs                                 | 4        | EA   | \$50,000   | \$200,000           |                     |   |
|  |          |      |            |                     | \$10,039,069        |   |
| <b>Intersection Improvements</b>               |          |      |            |                     |                     |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                 |                     |   |
| Major Drainage Items                           | 2        | LS   | \$25,000   | \$50,000            |                     |   |
| Traffic Signal                                 | 2        | LS   | \$250,000  | \$500,000           |                     |   |
|  |          |      |            |                     | \$550,000           |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                     | \$10,589,069        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                     |                     |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                     | \$1,058,907         | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                     | \$211,781           |   |
| Landscape                                      |          |      | 10%        |                     | \$1,058,907         | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                     | \$211,781           |   |
| Traffic Control                                |          |      | 10%        |                     | \$1,058,907         |   |
| Mobilization & Misc.                           |          |      | 10%        |                     | \$1,058,907         |   |
| <b>Total</b>                                   |          |      | 44%        |                     | \$4,659,190         |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                     | \$15,248,259        |   |
| Contingencies                                  |          |      | 25%        |                     | \$3,800,000         |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                     | <b>\$19,000,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                     |                     |   |
| Construction Cost                              |          |      |            | \$19,000,000        |                     |   |
| Right of Way Acquisition                       | 68,130   | SF   | \$5        | \$340,650           |                     | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$1,900,000         |                     |   |
| Construction Engineering - 15% of Construction |          |      |            | \$2,850,000         |                     |   |
| <b>TOTAL OPTION H-1 COSTS</b>                  |          |      |            | <b>\$24,090,650</b> |                     |   |

**Harrison - Option 2**

**Description:** Reconstruct interchange as tight diamond  
**Conceptual Cost Estimate**

By: NLB

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost                | Cost Extension      | Remarks   |
|--|----------|------|------------|---------------------|---------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                     |                     |   |
| Bridge - Precast Concrete Girder               | 11,732   | SF   | \$250      | \$2,933,000         |                     |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                 |                     |   |
| Asphalt Pavement (8")                          | 21,146   | TON  | \$80       | \$1,691,680         |                     |   |
| Aggregate Base Course (16")                    | 21,359   | CY   | \$25       | \$533,975           |                     |   |
| Curb and Gutter                                | 1,010    | LF   | \$15       | \$15,150            |                     |   |
| Sidewalk                                       | 14,075   | SF   | \$50       | \$703,750           |                     |   |
| Earthwork                                      | 73,995   | CY   | \$12       | \$887,940           |                     |   |
| Retaining Walls                                | 9,400    | SF   | \$50       | \$470,000           |                     |   |
| Overhead Signs                                 | 2        | EA   | \$50,000   | \$100,000           |                     |   |
|  |          |      |            |                     | \$7,335,495         |   |
| <b>Intersection Improvements</b>               |          |      |            |                     |                     |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                 |                     |   |
| Major Drainage Items                           | 2        | LS   | \$25,000   | \$50,000            |                     |   |
| Traffic Signal                                 | 3        | LS   | \$250,000  | \$750,000           |                     |   |
|  |          |      |            |                     | \$800,000           |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                     | \$8,135,495         |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                     |                     |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                     | \$813,550           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                     | \$162,710           |   |
| Landscape                                      |          |      | 10%        |                     | \$813,550           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                     | \$162,710           |   |
| Traffic Control                                |          |      | 10%        |                     | \$813,550           |   |
| Mobilization & Misc.                           |          |      | 10%        |                     | \$813,550           |   |
| <b>Total</b>                                   |          |      | 44%        |                     | \$3,579,618         |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                     | \$11,715,113        |   |
| Contingencies                                  |          |      | 25%        |                     | \$2,900,000         |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                     | <b>\$14,600,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                     |                     |   |
| Construction Cost                              |          |      |            | \$14,600,000        |                     |   |
| Right of Way Acquisition                       | 50,555   | SF   | \$5        | \$252,775           |                     | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$1,460,000         |                     |   |
| Construction Engineering - 15% of Construction |          |      |            | \$2,190,000         |                     |   |
| <b>TOTAL OPTION H-2 COSTS</b>                  |          |      |            | <b>\$18,502,775</b> |                     |   |

**Harrison - Option 20**

**Description:** Improve EB loop off-ramp WB loop on-ramp (combination of options H3 & H9)

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description  | Quantity | Unit | Unit Price | Cost                | Cost Extension     | Remarks   |
|---|----------|------|------------|---------------------|--------------------|---|
| <b>Quantifiable Items</b>                                 |          |      |            |                     |                    |   |
| Bridge - Precast Concrete Girder                          | 15,100   | SF   | \$250      | \$3,775,000         |                    |   |
| Bridge - Steel  | 0        | SF   | \$350      | \$0                 |                    |   |
| Asphalt Pavement (8")                                     | 5,128    | TON  | \$80       | \$410,240           |                    |   |
| Aggregate Base Course (16")                               | 5,180    | CY   | \$25       | \$129,500           |                    |   |
| Curb and Gutter   | 180      | LF   | \$15       | \$2,700             |                    |   |
| Sidewalk  | 0        | SF   | \$50       | \$0                 |                    |   |
| Earthwork   | 11,331   | CY   | \$12       | \$135,972           |                    |   |
| Retaining Walls   | 0        | SF   | \$50       | \$0                 |                    |   |
| Overhead Signs  | 2        | EA   | \$50,000   | \$100,000           |                    |   |
|   |          |      |            |                     | \$4,553,412        |   |
| <b>Intersection Improvements</b>                          |          |      |            |                     |                    |   |
| Minor rework areas  | 0        | LS   | \$50,000   | \$0                 |                    |   |
| Major Drainage Items                                      | 0        | LS   | \$25,000   | \$0                 |                    |   |
| Traffic Signal  | 1        | LS   | \$250,000  | \$250,000           |                    |   |
|   |          |      |            |                     | \$250,000          |   |
| <b>Subtotal Section Core Items</b>                        |          |      |            |                     | \$4,803,412        |   |
| <b>Miscellaneous Items as Percentages</b>                 |          |      |            |                     |                    |   |
| Removals, Resets & Adjustments                            |          |      | 10%        |                     | \$480,341          | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                                |          |      | 2%         |                     | \$96,068           |   |
| Landscape   |          |      | 10%        |                     | \$480,341          | 2% for rural, 10% for urban interchanges          |
| Signing, Striping   |          |      | 2%         |                     | \$96,068           |   |
| Traffic Control   |          |      | 10%        |                     | \$480,341          |   |
| Mobilization & Misc.                                      |          |      | 10%        |                     | \$480,341          |   |
| <b>Total</b>  |          |      | <b>44%</b> |                     | <b>\$2,113,501</b> |   |
| <b>Subtotal Section Miscellaneous Items</b>               |          |      |            |                     | \$6,916,913        |   |
| Contingencies   |          |      | 25%        |                     | \$1,700,000        |   |
| <b>CONSTRUCTION COST</b>                                  |          |      |            |                     | <b>\$8,600,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>                         |          |      |            |                     |                    |   |
| Construction Cost   |          |      |            | \$8,600,000         |                    |   |
| Right of Way Acquisition                                  | 0        | SF   | \$5        | \$0                 |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction             |          |      |            | \$860,000           |                    |   |
| Construction Engineering - 15% of Construction            |          |      |            | \$1,290,000         |                    |   |
| <b>TOTAL OPTION H-20 COSTS (w/out EB mainline bridge)</b> |          |      |            | <b>\$10,750,000</b> |                    |   |
| Option H3 Cost  |          |      |            | \$4,730,000         |                    |   |
| Option H9 Cost  |          |      |            | \$3,870,000         |                    |   |

**Harrison - Option 21**

**Description:** Improve EB off-ramp and WB off-ramp (combination of options H4 & H6)

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 3,724    | TON  | \$80       | \$297,920          |                    |   |
| Aggregate Base Course (16")                    | 3,761    | CY   | \$25       | \$94,025           |                    |   |
| Curb and Gutter                                | 80       | LF   | \$15       | \$1,200            |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 11,282   | CY   | \$12       | \$135,384          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$528,529          |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 1        | LS   | \$250,000  | \$250,000          |                    |   |
|  |          |      |            |                    | \$250,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$778,529          |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$23,356           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$15,571           |   |
| Landscape                                      |          |      | 10%        |                    | \$77,853           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$15,571           |   |
| Traffic Control                                |          |      | 10%        |                    | \$77,853           |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$77,853           |   |
| <b>Total</b>                                   |          |      | 37%        |                    | \$288,056          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,066,585        |   |
| Contingencies                                  |          |      | 25%        |                    | \$300,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,400,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$140,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$210,000          |                    |   |
| <b>TOTAL OPTION H-21 COSTS</b>                 |          |      |            | <b>\$1,750,000</b> |                    |   |
| Option H4 Cost                                 |          |      |            | \$560,000          |                    |   |
| Option H6 Cost                                 |          |      |            | \$840,000          |                    |   |

**Harrison - Option 22**

**Description:** Improves EB loop off-ramp and WB off-ramp (combination of options H3 & H6)

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 5,500    | SF   | \$250      | \$1,375,000        |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 4,910    | TON  | \$80       | \$392,800          |                    |   |
| Aggregate Base Course (16")                    | 4,959    | CY   | \$25       | \$123,975          |                    |   |
| Curb and Gutter                                | 180      | LF   | \$15       | \$2,700            |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 14,876   | CY   | \$12       | \$178,512          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 1        | EA   | \$50,000   | \$50,000           |                    |   |
|  |          |      |            |                    | \$2,122,987        |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 1        | LS   | \$250,000  | \$250,000          |                    |   |
|  |          |      |            |                    | \$250,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$2,372,987        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                    | \$237,299          | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$47,460           |   |
| Landscape                                      |          |      | 10%        |                    | \$237,299          | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$47,460           |   |
| Traffic Control                                |          |      | 10%        |                    | \$237,299          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$237,299          |   |
| <b>Total</b>                                   |          |      | 44%        |                    | \$1,044,114        |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$3,417,101        |   |
| Contingencies                                  |          |      | 25%        |                    | \$900,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$4,300,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$4,300,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$430,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$645,000          |                    |   |
| <b>TOTAL OPTION H-22 COSTS</b>                 |          |      |            | <b>\$5,375,000</b> |                    |   |
| Option H3 Cost                                 |          |      |            | \$3,655,000        |                    |   |
| Option H6 Cost                                 |          |      |            | \$645,000          |                    |   |
| <b>Optional Bridge Replacement</b>             |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 8,400    | SF   | \$300      | \$2,520,000        |                    |   |
| Asphalt Pavement (8")                          | 584      | TON  | \$80       | \$46,720           |                    |   |
| Aggregate Base Course (16")                    | 590      | CY   | \$25       | \$14,750           |                    |   |
| Earthwork                                      | 800      | CY   | \$12       | \$9,600            |                    |   |
|  |          |      |            |                    | \$2,591,070        |   |

**Harrison - Option 23**

**Description:** Improves EB off-ramp and WB loop on-ramp (combination of options H4 & H9)

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 10,080   | SF   | \$250      | \$2,520,000        |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 3,943    | TON  | \$80       | \$315,440          |                    |   |
| Aggregate Base Course (16")                    | 3,982    | CY   | \$25       | \$99,550           |                    |   |
| Curb and Gutter                                | 100      | LF   | \$15       | \$1,500            |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 5,973    | CY   | \$12       | \$71,676           |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 1        | EA   | \$50,000   | \$50,000           |                    |   |
|  |          |      |            |                    | \$3,058,166        |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 1        | LS   | \$250,000  | \$250,000          |                    |   |
|  |          |      |            |                    | \$250,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$3,308,166        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                    | \$330,817          | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$66,163           |   |
| Landscape                                      |          |      | 10%        |                    | \$330,817          | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$66,163           |   |
| Traffic Control                                |          |      | 10%        |                    | \$330,817          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$330,817          |   |
| <b>Total</b>                                   |          |      | 44%        |                    | \$1,455,593        |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$4,763,759        |   |
| Contingencies                                  |          |      | 25%        |                    | \$1,200,000        |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$6,000,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$6,000,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$600,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$900,000          |                    |   |
| <b>TOTAL OPTION H-23 COSTS</b>                 |          |      |            | <b>\$7,500,000</b> |                    |   |
| Option H4 Cost                                 |          |      |            | \$600,000          |                    |   |
| Option H9 Cost                                 |          |      |            | \$5,400,000        |                    |   |
| <b>Optional Bridge Replacement</b>             |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 6,328    | SF   | \$300      | \$1,898,400        |                    |   |
| Asphalt Pavement (8")                          | 584      | TON  | \$80       | \$46,720           |                    |   |
| Aggregate Base Course (16")                    | 590      | CY   | \$25       | \$14,750           |                    |   |
| Earthwork                                      | 800      | CY   | \$12       | \$9,600            |                    |   |
|  |          |      |            |                    | \$1,969,470        |   |



**East Butte - Option 2**

Description: Lengthen EB to NB deceleration length and SB to EB acceleration length

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 3,471    | SF   | \$250      | \$867,750          |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 1,871    | TON  | \$80       | \$149,680          |                    |   |
| Aggregate Base Course (16")                    | 1,890    | CY   | \$25       | \$47,250           |                    |   |
| Curb and Gutter                                | 0        | LF   | \$15       | \$0                |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 14,170   | CY   | \$12       | \$170,040          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 1        | EA   | \$50,000   | \$50,000           |                    |   |
|  |          |      |            |                    | \$1,284,720        |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 1        | LS   | \$250,000  | \$250,000          |                    | Speed Reduction System                            |
|  |          |      |            |                    | \$250,000          |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$1,534,720        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                    | \$153,472          | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$30,694           |   |
| Landscape                                      |          |      | 2%         |                    | \$30,694           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$30,694           |   |
| Traffic Control                                |          |      | 10%        |                    | \$153,472          |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$153,472          |   |
| <b>Total</b>                                   |          |      | 36%        |                    | \$552,499          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$2,087,219        |   |
| Contingencies                                  |          |      | 25%        |                    | \$500,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$2,600,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$2,600,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$260,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$390,000          |                    |   |
| <b>TOTAL OPTION EB-2 COSTS</b>                 |          |      |            | <b>\$3,250,000</b> |                    |   |

**East Butte - Option 3**

**Description:** Reconstruct interchange to high speed standards

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost                | Cost Extension      | Remarks   |
|--|----------|------|------------|---------------------|---------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                     |                     |   |
| Bridge - Precast Concrete Girder               | 15,290   | SF   | \$250      | \$3,822,500         |                     |   |
| Bridge - Steel                                 | 21,558   | SF   | \$350      | \$7,545,300         |                     |   |
| Asphalt Pavement (8")                          | 25,618   | TON  | \$80       | \$2,049,440         |                     |   |
| Aggregate Base Course (16")                    | 25,877   | CY   | \$25       | \$646,925           |                     |   |
| Curb and Gutter                                | 0        | LF   | \$15       | \$0                 |                     |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                 |                     |   |
| Earthwork                                      | 118,737  | CY   | \$12       | \$1,424,844         |                     |   |
| Retaining Walls                                | 30,000   | SF   | \$50       | \$1,500,000         |                     |   |
| Overhead Signs                                 | 6        | EA   | \$50,000   | \$300,000           |                     |   |
|  |          |      |            |                     | \$17,289,009        |   |
| <b>Intersection Improvements</b>               |          |      |            |                     |                     |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                 |                     |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                 |                     |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                 |                     |   |
|  |          |      |            |                     | \$0                 |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                     | \$17,289,009        |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                     |                     |   |
| Removals, Resets & Adjustments                 |          |      | 10%        |                     | \$1,728,901         | 3% for normal roadway removals, 10% if structures               |
| Drainage & Erosion Control                     |          |      | 2%         |                     | \$345,780           |   |
| Landscape                                      |          |      | 2%         |                     | \$345,780           | 2% for rural, 10% for urban interchanges                        |
| Signing, Striping                              |          |      | 2%         |                     | \$345,780           |   |
| Traffic Control                                |          |      | 10%        |                     | \$1,728,901         |   |
| Mobilization & Misc.                           |          |      | 10%        |                     | \$1,728,901         |   |
| <b>Total</b>                                   |          |      | <b>36%</b> |                     | <b>\$6,224,043</b>  |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                     | \$23,513,052        |   |
| Contingencies                                  |          |      | 25%        |                     | \$5,900,000         |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                     | <b>\$29,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                     |                     |   |
| Construction Cost                              |          |      |            | \$29,400,000        |                     |   |
| Right of Way Acquisition                       | 88,241   | SF   | \$20       | \$1,764,820         |                     | \$5 for urban areas, \$2 for agricultural, \$20 for relocations |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$2,940,000         |                     |   |
| Construction Engineering - 15% of Construction |          |      |            | \$4,410,000         |                     |   |
| <b>TOTAL OPTION EB-3 COSTS</b>                 |          |      |            | <b>\$38,514,820</b> |                     |   |

**Continental - Option 2B**

Description: Roundabouts at each ramp terminal and adjacent frontage road

By: NLB

**Conceptual Cost Estimate**

**DRAFT 06/20/08**

**OPTION COSTS**

| Item Description                               | Quantity | Unit | Unit Price | Cost               | Cost Extension     | Remarks   |
|--|----------|------|------------|--------------------|--------------------|---|
| <b>Quantifiable Items</b>                      |          |      |            |                    |                    |   |
| Bridge - Precast Concrete Girder               | 0        | SF   | \$250      | \$0                |                    |   |
| Bridge - Steel                                 | 0        | SF   | \$350      | \$0                |                    |   |
| Asphalt Pavement (8")                          | 6,736    | TON  | \$80       | \$538,880          |                    |   |
| Aggregate Base Course (16")                    | 6,804    | CY   | \$25       | \$170,100          |                    |   |
| Curb and Gutter                                | 2,400    | LF   | \$15       | \$36,000           |                    |   |
| Sidewalk                                       | 0        | SF   | \$50       | \$0                |                    |   |
| Earthwork                                      | 10,205   | CY   | \$12       | \$122,460          |                    |   |
| Retaining Walls                                | 0        | SF   | \$50       | \$0                |                    |   |
| Overhead Signs                                 | 0        | EA   | \$50,000   | \$0                |                    |   |
|  |          |      |            |                    | \$867,440          |   |
| <b>Intersection Improvements</b>               |          |      |            |                    |                    |   |
| Minor rework areas                             | 0        | LS   | \$50,000   | \$0                |                    |   |
| Major Drainage Items                           | 0        | LS   | \$25,000   | \$0                |                    |   |
| Traffic Signal                                 | 0        | LS   | \$250,000  | \$0                |                    |   |
|  |          |      |            |                    | \$0                |   |
| <b>Subtotal Section Core Items</b>             |          |      |            |                    | \$867,440          |   |
| <b>Miscellaneous Items as Percentages</b>      |          |      |            |                    |                    |   |
| Removals, Resets & Adjustments                 |          |      | 3%         |                    | \$26,023           | 3% for normal roadway removals, 10% if structures |
| Drainage & Erosion Control                     |          |      | 2%         |                    | \$17,349           |   |
| Landscape                                      |          |      | 2%         |                    | \$17,349           | 2% for rural, 10% for urban interchanges          |
| Signing, Striping                              |          |      | 2%         |                    | \$17,349           |   |
| Traffic Control                                |          |      | 10%        |                    | \$86,744           |   |
| Mobilization & Misc.                           |          |      | 10%        |                    | \$86,744           |   |
| <b>Total</b>                                   |          |      | 29%        |                    | \$251,558          |   |
| <b>Subtotal Section Miscellaneous Items</b>    |          |      |            |                    | \$1,118,998        |   |
| Contingencies                                  |          |      | 25%        |                    | \$300,000          |   |
| <b>CONSTRUCTION COST</b>                       |          |      |            |                    | <b>\$1,400,000</b> |   |
| <b>TOTAL SECTION PROJECT COST</b>              |          |      |            |                    |                    |   |
| Construction Cost                              |          |      |            | \$1,400,000        |                    |   |
| Right of Way Acquisition                       | 0        | SF   | \$5        | \$0                |                    | \$5 for urban areas, \$2 for agricultural         |
| Preliminary Engineering - 10% of Construction  |          |      |            | \$140,000          |                    |   |
| Construction Engineering - 15% of Construction |          |      |            | \$210,000          |                    |   |
| <b>TOTAL OPTION C-2 COSTS</b>                  |          |      |            | <b>\$1,750,000</b> |                    |   |