

Opinion of Probable Cost--Total Project Costs

Client: North Logan City

Project: 3100 North Street-- 1200 East to 1600 East

Date: 13-Aug-19

Project Financial Summary

Project Expenses

COG Eligible Road Improvements (1200 East - 1600 East)	\$ 831,555.73
Non-Eligible Betterments (1200 East - 1600 East)	\$ 466,719.80
Total Cost of Project	\$ 1,298,275.53

North Logan Contributions

North Logan Cash Contributions	\$ 137,206.70
North Logan Betterments	\$ 466,719.80
Total City Contribution	\$ 603,926.49

Requested COG Amount	\$ 694,349.04
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North Logan City Percentage of Match	16.5%
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Opinion of Probable Cost --1200 East to 1600 East

Client: North Logan City

Project: 3100 North Street-- 1200 East to 1600 East

Date: August 13, 2019

3100 N Improvement Cost Estimation - Eligible Funds

Phase III Construction Costs - 1200 East to 1600 East				
Item	Quantity	Units	Price	Cost
Demolition / Earthwork				
Clearing and Grubbing	150,000	s.f.	\$ 0.15	\$ 22,500.00
Strip & Stockpile Topsoil (8" Topsoil)	4,000	c.y.	\$ 0.80	\$ 3,200.00
Roadway Excavation	65,000	s.f.	\$ 0.45	\$ 29,250.00
Removal of Asphalt	64,700	s.f.	\$ 0.15	\$ 9,705.00
Sawcut Asphalt	700	l.f.	\$ 2.00	\$ 1,400.00
Removal or concrete curb	550	lf	\$ 4.00	\$ 2,200.00
Removal of Curb and Gutter	670	s.f.	\$ 5.00	\$ 3,350.00
Removal of Fence	1,362	l.f.	\$ 1.50	\$ 2,042.90
Removal of trees small	110	ea	\$ 80.00	\$ 8,800.00
Removal of trees large	25	ea	\$ 200.00	\$ 5,000.00
Removal of Concrete Sidewalk	2,890	s.f.	\$ 0.40	\$ 1,156.00
Removal Of Concrete Driveways	2,500	s.f.	\$ 0.40	\$ 1,000.00
Removal Of Ashpal Driveways	3,100	s.f.	\$ 0.20	\$ 620.00
Fire Hydrant relocation	3	ea	\$ 5,400.00	\$ 16,200.00
Removal of Storm Drain Pipe	121	l.f.	\$ 5.00	\$ 605.00
Removal Of Storm Drain box	5	ea	\$ 200.00	\$ 1,000.00
Removal of Roadway Signs	6	ea	\$ 100.00	\$ 600.00
Demolition / Earthwork Total				\$ 108,628.90
Roadway Improvements				
Embankment in Place	11,000	c.y.	\$ 7.50	\$ 82,500.00
Granular Borrow 12" thick (3" Minus)	3,670	c.y.	\$ 10.50	\$ 38,535.00
UTBC (Road) 4" of 1" Minus	1,222	c.y.	\$ 23.00	\$ 28,106.00
Asphalt 3" thick	99,100	s.f.	\$ 1.25	\$ 123,875.00
Pedestrian ADA Ramps	6	ea	\$ 1,500.00	\$ 9,000.00
Signage	10	ea	\$ 300.00	\$ 3,000.00
Striping	12,000	l.f.	\$ 0.40	\$ 4,800.00
Roadway Improvements Total				\$ 289,816.00
Road Drainage				
Connect to Existing Storm Drain	1	ea	\$ 400.00	\$ 400.00
3x3 Storm Drain boxes	16	ea	\$ 2,250.00	\$ 36,000.00
12" Storm Drain	323	l.f.	\$ 24.00	\$ 7,752.00
24" Storm Drain	2,526	l.f.	\$ 31.00	\$ 78,306.00
Swale excavation	2,440	l.f.	\$ 1.00	\$ 2,440.00
Road Drainage Total				\$ 124,898.00
Sidewalk Improvements				
Concrete Sidewalk (4" thick, including rock)	6,300	s.f.	\$ 5.00	\$ 31,500.00
Sidewalk Improvements Total				\$ 31,500.00
Driveway Improvements				
Driveway Approach (Average 18' wide)	12	ea	\$ 1,750.00	\$ 21,000.00
Asphalt Driveways 3" Thick	1,600	s.f.	\$ 1.25	\$ 2,000.00
4" Untreated Base Course 1" Minus	28	c.y.	\$ 23.00	\$ 644.00
15" Granular Borrow 3" Minus	70	c.y.	\$ 10.50	\$ 735.00
Concrete Driveways (5" Thick, including rock)	2,020	s.f.	\$ 5.50	\$ 11,110.00
Gravel Driveways	1,100	s.f.	\$ 1.50	\$ 1,650.00
Driveway Improvements Total				\$ 37,139.00
Multi Use Trail				
Asphalt Trail 3" thick (9' wide)	22,400	s.f.	\$ 1.25	\$ 28,000.00
UTBC (Trail) (4" of 1" Minus UTBC)	276	c.y.	\$ 23.00	\$ 6,358.86
Granular Borrow (8" of 3" Minus)	553	c.y.	\$ 10.50	\$ 5,805.92
Embankment in Place	430	c.y.	\$ 7.50	\$ 3,225.00
Signage	6	ea	\$ 300.00	\$ 1,800.00
Striping	2,600	l.f.	\$ 0.40	\$ 1,040.00
4" Topsoil on Slopes	125	c.y.	\$ 18.00	\$ 2,250.00
Hydroseed Slopes	10,000	s.f.	\$ 0.30	\$ 3,000.00
Multi Use Trail Total				\$ 51,479.78
Landscaping / Fencing				
4" Topsoil in Swale	1,450	c.y.	\$ 18.00	\$ 26,100.00
4" Topsoil on Slopes	550	c.y.	\$ 18.00	\$ 9,900.00
Hydroseed Swale	40,000	s.f.	\$ 0.30	\$ 12,000.00
Landscaping / Fencing Total				\$ 48,000.00
Utility Improvements & Relocations(Eligible)				
Sewer Manhole Adjustments	9	ea	1,500	\$ 13,500.00
Water Service Relocations	10	ea	1,500	\$ 15,000.00
Utility Relocations(Eligible) Total				\$ 28,500.00
TOTAL CONSTRUCTION COST:				\$ 719,961.67
Phase III Percentage Costs				
Design Engineering	1	lump sum	2.5% of Construction	\$ 17,999.04
Construction Engineering	1	lump sum	2.5% of Construction	\$ 17,999.04
Mobilization / Permits	1	lump sum	3.5% of Construction	\$ 25,198.66
Traffic Control	1	lump sum	2% of Construction	\$ 14,399.23
Erosion Control	1	lump sum	0.5 % of Construction	\$ 3,599.81
Maintenance of Traffic Control	1	lump sum	0.5% of Construction	\$ 3,599.81
Contingency	1	lump sum	4% of Estimate	\$ 28,798.47
TOTAL COST:				\$ 831,555.73

Opinion of Probable Cost --Betterment (Non Eligible)

Client: North Logan City

Project: 3100 North Street-- 1200 East to 1600 East

Date: August 13, 2019

3100 N Improvement Cost Estimation - Non Eligible Items

Construction Costs - 1200 East to 1600 East				
Item	Quantity	Units	Unit Price	Cost
Water Improvements				
8" Water Main C900	2,651	l.f.	\$ 42.00	\$ 111,342.00
8" Water Valves	7	ea	\$ 2,450.00	\$ 17,150.00
Connections (Hot Tap)	4	ea	\$ 1,750.00	\$ 7,000.00
New 1" Water Services	4	ea	\$ 1,250.00	\$ 5,000.00
New 4" Sewer Services	4	ea	\$ 1,500.00	\$ 6,000.00
8" Sewer Stub	2	ea	\$ 1,750.00	\$ 3,500.00
8" Water Stub	4	ea	\$ 2,000.00	\$ 8,000.00
Sewer Manhole	1	ea	\$ 4,500.00	\$ 4,500.00
Fire Hydrants Assembly	3	ea	\$ 5,500.00	\$ 16,500.00
Fittings (45,90, tees, etc)	7	ea	\$ 500.00	\$ 3,500.00
Road Improvements Betterments				
Concrete Curb & Gutter Type B1 (Inc 4" UTBC)	2,445	l.f.	\$ 16.50	\$ 40,342.50
<i>1400 East Street Extension</i>				
Retaining Wall	280	l.f.	\$ 180.00	\$ 50,400.00
Roadway Excavation	300	s.f.	\$ 1.00	\$ 300.00
Embankment	1,200	c.y.	\$ 9.25	\$ 11,100.00
12" 2" Granular Borrow	271	c.y.	\$ 14.00	\$ 3,794.00
4" UTBC	102	c.y.	\$ 30.00	\$ 3,060.00
3" Asphalt	5,500	s.f.	\$ 1.25	\$ 6,875.00
Curb & Gutter	250	l.f.	\$ 16.50	\$ 4,125.00
Sidewalk (includes rock)	1,000	s.f.	\$ 5.50	\$ 5,500.00
Striping	1,600	l.f.	\$ 0.92	\$ 1,472.00
Storm Drainage Betterments				
Upsize 15" to 24" Storm Drain Pipe	2,600	l.f.	\$ 23.50	\$ 61,100.00
Upgrade 2' x 3' to 3' x 3' Box	16	ea	\$ 1,250.00	\$ 20,000.00
			Construction Cost:	\$ 390,560.50
Phase I Percentage Costs				
Design Engineering	1	lump sum	4% of Construction	\$ 15,622.42
Construction Engineering	1	lump sum	4 % of Construction	\$ 15,622.42
Mobilization / Permits	1	lump sum	4% of Construction	\$ 15,622.42
Traffic Control	1	lump sum	1% of Construction	\$ 3,905.61
Erosion Control	1	lump sum	.5 % of Construction	\$ 1,952.80
Maintenance of Traffic Control	1	lump sum	1% of Construction	\$ 3,905.61
Contingency	1	lump sum	5% of Estimate	\$ 19,528.03
			Total Construction Cost:	\$ 466,719.80

113 East Center / P.O. Box 489
Hyde Park, Utah 84318



Phone: 435-563-6507
Fax: 435-563-9029

August 9, 2019

Jeff Gilbert
CMPO Cache County Administration Building
179 N Main Street, Suite 305
Logan, UT 84321

RE: North Logan COG Application 3100 North

Dear Mr. Gilbert,

Hyde Park City is pleased to write in support of North Logan Cities COG Application for the road on 3100 North. Completing this road will create better traffic east to west through North Logan and Hyde Park. The project supports access to Green Canyon High School and alternative routes to the commercial and industrial sectors.

Sincerely,



Sharidean Flint
Hyde Park City Mayor



CACHE • LANDMARK
ENGINEERS • SURVEYORS • PLANNERS

August 12, 2019

Jeff Gilbert
CMPO
Cache County Administration Building
179 N Main Street, Suite 305
Logan, UT 84321

RE: North Logan City 3100 North 1200 East to 1600 East (Phase III) COG Application

Jeff,

This letter has been written to certify that the attached Construction Documents are a 90% plan set for the construction of 3100 North from 1200 East to 1600 East. Included with this letter is the 90% Plan Set, Opinion of Probable Cost (OPC), and a letter of support from Lee Camp

The intent of this project is to reconstruct the portion of 3100 North from 1200 East to 1600 East. This is the last phase of 3100 North

The proposed road cross section is a nine (9) foot multi use path on the north side with 28 feet of asphalt. The road cross section will accommodate two twelve (12') foot travel lanes with two-foot shoulders. The City will add water mains, upsize the storm drainage to accommodate overflow from the upper canal and adjust existing sewer manholes to proposed grade. A full road section with 42 feet of asphalt, curb and gutter, and a four (4) foot sidewalk on the south side will be constructed along already developed properties.

Please see the attached OPC for total project cost, city contribution, and amount requested by COG.

If you have any questions you can contact myself by phone or email.

Sincerely,

Lance Anderson, P.E.
Principal Engineer
lance@cachelandmark.com