

# APPENDIX I

## Cost Estimate Details





**ESTIMATED COSTS**

Date: May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	55,204	m2	\$ 6.00	\$ 331,226.11
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	19,024	lm	\$ 80.00	\$ 1,521,924.05
Install Wick Drain Under Curb & Gutter (outside lanes)	14,584	lm	\$ 2.00	\$ 29,168.10
Concrete Bus Pad (Off Street)	17	each	\$ 5,000.00	\$ 85,000.00
Concrete Bus Pad (On Street)	17	each	\$ 8,500.00	\$ 144,500.00
Slab-On Concrete Island	6,409	m2	\$ 125.00	\$ 801,070.28
Pedestrian Ramps	82	units	\$ 2,000.00	\$ 164,000.00
1.5m Concrete Sidewalk	3,433	m2	\$ 90.00	\$ 308,990.08
<b>Earthwork</b>				
Common Excavation	30,900	m3	\$ 15.00	\$ 463,500.00
Borrow Excavation	91,500	m3	\$ 22.00	\$ 2,013,000.00
Topsoil Stripping	231,810	m2	\$ 8.00	\$ 1,854,480.00
Cement Stabilization (150mm @ 10kg/m2)	243,667	m2	\$ 6.00	\$ 1,462,000.53
Portland Cement Supply	243,667	m2	\$ 4.00	\$ 974,667.02
Remove & Dispose Unsuitables	21,680	m3	\$ 22.00	\$ 476,960.00
<b>Roadwork</b>				
ACB	37,400	m3	\$ 230.00	\$ 8,602,000.00
ACO	21,600	m3	\$ 280.00	\$ 6,048,000.00
Granular Base Course (Des 2, Class 25) (350mm)	76,600	m3	\$ 42.00	\$ 3,217,200.00
Shared Use Path (Asphalt)	15,856	m2	\$ 21.00	\$ 332,982.49
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	2,620	m2	\$ 4,000.00	\$ 10,480,000.00
Creek Crossing (Fulton Creek)	1	ls	\$ 1,000,000.00	\$ 1,000,000.00
Creek Crossing (Goldbar Creek Crossing)	1	ls	\$ 1,000,000.00	\$ 1,000,000.00
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	78	units	\$ 3,500.00	\$ 273,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	3	units	\$ 6,000.00	\$ 18,000.00
Supply and Install 300mm CB Lead	1,800	lm	\$ 120.00	\$ 216,000.00
Supply and Install 600mm Storm Main	5,885	lm	\$ 200.00	\$ 1,177,000.00
Supply and Install 600mm CSP Culvert	193	lm	\$ 350.00	\$ 67,704.60
Pre-Treatment Structures (Stormceptor/Vortechs)	3	each	\$ 75,000.00	\$ 225,000.00
<b>Streetlighting</b>				
Streetlighting	6,080	m	\$ 300.00	\$ 1,824,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	62,962	m2	\$ 10.00	\$ 629,620.00
Hydroseed	35,322	m2	\$ 2.00	\$ 70,644.00
Sodding	27,640	m2	\$ 9.00	\$ 248,760.00
Trees	6,080	m	\$ 100.00	\$ 608,000.00
<b>Traffic Control</b>				
Pavement Markings	9,120	m	\$ 15.00	\$ 136,800.00
Rail Crossing	3	units	\$ 100,000.00	\$ 300,000.00
Signing	1	ls	\$ 230,000.00	\$ 230,000.00
New Signal	12	units	\$ 250,000.00	\$ 3,000,000.00
Modifications to Existing Signals	1	units	\$ 80,000.00	\$ 80,000.00
<b>Utility Relocations</b>				
Minor Shallow Relocations	8	units	\$ 120,000.00	\$ 960,000.00
Major Crossings	4	units	\$ 800,000.00	\$ 3,200,000.00
<b>Land Acquisitions</b>				
Land Acquisitions	20.968	acre	\$ 250,000.00	\$ 5,242,100.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 59,817,297.25</b>
Temporary Traffic Control (2%)				\$ 1,196,345.94
Engineering & Testing (15%)				\$ 8,972,594.59
Contingency (25%)				\$ 14,954,324.31
<b>GRAND TOTAL COST</b>				<b>\$ 84,900,000.00</b>

**Assumptions:**

The following assumptions have been applied to the above cost estimate:

- Topsoil depth for stripping estimates assumed at 200mm.
- Excavation under all roadway surfaces and curb will be 0.30 meters.
- Subgrade compaction and cement stabilization will be required under all curb and roadway.
- Effective curb width for subgrade and cement stabilization is 1.0 meters.
- GBC (350mm) will be required under all curb and roadway.
- Effective curb width for granular base course is 0.5 meters.
- Pavement structure assumed as per conceptual pavement design.
- Gravel density assumed to be 2.2t/m3.
- Full street lighting will be required along both sides of the corridor. This provides contingency for removal and relocation of existing lights.
- Signal work will require relocation of existing poles.
- Installation of curb adjacent to existing roadway will require removal of 0.5 meters of roadway surface for work space and "key-in" of structure.
- Removal of existing curb adjacent to roadway will require removal of 0.5 meters of roadway surface for work space and "key-in" of structure.
- All drainage to be underground, treated and discharged to pond locations as per conceptual drainage plans
- Fulton & Goldbar Creek structures are yet to be determined; possibility of box culverts, arch CSP culverts or cast-in-place bridge structures

**Items not estimated:**

The following items have been excluded from the cost estimate, and form part of the contingency:

- Sawcutting of existing asphalt edge.
- Milling and overlay of existing pavement.

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,000	m2	\$ 6.00	\$ 36,000.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	2,271	lm	\$ 80.00	\$ 181,681.31
Install Wick Drain Under Curb & Gutter	1,391	lm	\$ 2.00	\$ 2,782.03
Concrete Bus Pad (Off Street)	2	each	\$ 5,000.00	\$ 10,000.00
Concrete Bus Pad (On Street)	2	each	\$ 8,500.00	\$ 17,000.00
Slab-On Concrete Island	240	m2	\$ 125.00	\$ 30,000.00
Pedestrian Ramps	3	units	\$ 2,000.00	\$ 6,000.00
1.5m Concrete Sidewalk	109	m2	\$ 90.00	\$ 9,777.44
<b>Earthwork</b>				
Common Excavation	3,300	m3	\$ 15.00	\$ 49,500.00
Borrow Excavation	9,900	m3	\$ 22.00	\$ 217,800.00
Topsoil Stripping	17,910	m2	\$ 8.00	\$ 143,280.00
Cement Stabilization (150mm @ 10kg/m2)	20,629	m2	\$ 6.00	\$ 123,771.36
Portland Cement Supply	20,629	m2	\$ 4.00	\$ 82,514.24
Remove & Dispose Unsuitables	-	m3	\$ 22.00	\$ -
<b>Roadwork</b>				
ACB	3,400	m3	\$ 230.00	\$ 782,000.00
ACO	2,000	m3	\$ 280.00	\$ 560,000.00
Granular Base Course (Des 2, Class 25) (350mm)	7,100	m3	\$ 42.00	\$ 298,200.00
Shared Use Path (Asphalt)	1,430	m2	\$ 21.00	\$ 30,030.39
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	12	units	\$ 3,500.00	\$ 42,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	290	lm	\$ 120.00	\$ 34,800.00
Supply and Install 600mm Storm Main	605	lm	\$ 200.00	\$ 121,000.00
Supply and Install 600mm CSP Culvert	-	lm	\$ 350.00	\$ -
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	660	m	\$ 300.00	\$ 198,000.00
<b>Landscaping - Topsoil &amp; Seed</b>				
Topsoil Placement (150mm avg.)	7,420	m2	\$ 10.00	\$ 74,200.00
Hydroseed	5,300	m2	\$ 2.00	\$ 10,600.00
Sodding	2,120	m2	\$ 9.00	\$ 19,080.00
Trees	660	m	\$ 100.00	\$ 66,000.00
<b>Traffic Control</b>				
Pavement Markings	990	m	\$ 15.00	\$ 14,850.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	1	units	\$ 250,000.00	\$ 250,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	-	units	\$ 120,000.00	\$ -
Major Crossings	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	1.781	acres	\$ 250,000.00	\$ 445,300.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 3,861,170.00</b>
Temporary Traffic Control (2%)				\$ 77,223.40
Engineering & Testing (15%)				\$ 579,175.50
Contingency (25%)				\$ 965,292.50
<b>GRAND TOTAL COST</b>				<b>\$ 5,482,861.40</b>

**Notes:**

Signals are located at the intersection of the future development and future 51 Avenue on 34 Street

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,300	m2	\$ 6.00	\$ 37,800.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	2,546	lm	\$ 80.00	\$ 203,714.78
Install Wick Drain Under Curb & Gutter	1,566	lm	\$ 2.00	\$ 3,132.87
Concrete Bus Pad (Off Street)	1	each	\$ 5,000.00	\$ 5,000.00
Concrete Bus Pad (On Street)	1	each	\$ 8,500.00	\$ 8,500.00
Slab-On Concrete Island	860	m2	\$ 125.00	\$ 107,500.00
Pedestrian Ramps	18	units	\$ 2,000.00	\$ 36,000.00
1.5m Concrete Sidewalk	1,204	m2	\$ 90.00	\$ 108,399.37
<b>Earthwork</b>				
Common Excavation	3,500	m3	\$ 15.00	\$ 52,500.00
Borrow Excavation	10,500	m3	\$ 22.00	\$ 231,000.00
Topsoil Stripping	32,000	m2	\$ 8.00	\$ 256,000.00
Cement Stabilization (150mm @ 10kg/m2)	26,476	m2	\$ 6.00	\$ 158,854.33
Portland Cement Supply	26,476	m2	\$ 4.00	\$ 105,902.89
Remove & Dispose Unsuitables	2,800	m3	\$ 22.00	\$ 61,600.00
<b>Roadwork</b>				
ACB	4,400	m3	\$ 230.00	\$ 1,012,000.00
ACO	2,500	m3	\$ 280.00	\$ 700,000.00
Granular Base Course (Des 2, Class 25) (350mm)	9,100	m3	\$ 42.00	\$ 382,200.00
Shared Use Path (Asphalt)	1,977	m2	\$ 21.00	\$ 41,527.13
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	1	ls	\$ 1,000,000.00	\$ 1,000,000.00
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	6	units	\$ 3,500.00	\$ 21,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	1	units	\$ 6,000.00	\$ 6,000.00
Supply and Install 300mm CB Lead	145	lm	\$ 120.00	\$ 17,400.00
Supply and Install 600mm Storm Main	675	lm	\$ 200.00	\$ 135,000.00
Supply and Install 600mm CSP Culvert	74	lm	\$ 350.00	\$ 26,054.60
Pre-Treatment Structures (Stormceptor/Vortechs)	1	each	\$ 75,000.00	\$ 75,000.00
<b>Streetlighting</b>				
Streetlighting	700	m	\$ 300.00	\$ 210,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	9,535	m2	\$ 10.00	\$ 95,350.00
Hydroseed	3,495	m2	\$ 2.00	\$ 6,990.00
Sodding	6,040	m2	\$ 9.00	\$ 54,360.00
Trees	700	m	\$ 100.00	\$ 70,000.00
<b>Traffic Control</b>				
Pavement Markings	1,050	m	\$ 15.00	\$ 15,750.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 10,000.00	\$ 10,000.00
New Signal	1	units	\$ 250,000.00	\$ 250,000.00
Modifications to Existing Signal	1	units	\$ 80,000.00	\$ 80,000.00
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossings	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	3.623	acres	\$ 250,000.00	\$ 905,750.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 6,610,290.00</b>
Temporary Traffic Control (2%)				\$ 132,205.80
Engineering & Testing (15%)				\$ 991,543.50
Contingency (25%)				\$ 1,652,572.50
<b>GRAND TOTAL COST</b>				<b>\$ 9,386,611.80</b>

**Notes:**

Signal is located at the intersection of future Roper Road and 34 Street

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	9,920	m2	\$ 6.00	\$ 59,520.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	2,092	lm	\$ 80.00	\$ 167,323.42
Install Wick Drain Under Curb & Gutter	1,592	lm	\$ 2.00	\$ 3,183.09
Concrete Bus Pad (Off Street)	4	each	\$ 5,000.00	\$ 20,000.00
Concrete Bus Pad (On Street)	4	each	\$ 8,500.00	\$ 34,000.00
Slab-On Concrete Island	600	m2	\$ 125.00	\$ 75,000.00
Pedestrian Ramps	10	units	\$ 2,000.00	\$ 20,000.00
1.5m Concrete Sidewalk	998	m2	\$ 90.00	\$ 89,815.70
<b>Earthwork</b>				
Common Excavation	4,100	m3	\$ 15.00	\$ 61,500.00
Borrow Excavation	11,000	m3	\$ 22.00	\$ 242,000.00
Topsoil Stripping	46,800	m2	\$ 8.00	\$ 374,400.00
Cement Stabilization (150mm @ 10kg/m2)	59,394	m2	\$ 6.00	\$ 356,362.22
Portland Cement Supply	59,394	m2	\$ 4.00	\$ 237,574.81
Remove & Dispose Unsuitables	2,880	m3	\$ 22.00	\$ 63,360.00
<b>Roadwork</b>				
ACB	7,100	m3	\$ 230.00	\$ 1,633,000.00
ACO	4,100	m3	\$ 280.00	\$ 1,148,000.00
Granular Base Course (Des 2, Class 25) (350mm)	14,400	m3	\$ 42.00	\$ 604,800.00
Shared Use Path (Asphalt)	2,047	m2	\$ 21.00	\$ 42,994.17
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	10	units	\$ 3,500.00	\$ 35,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	275	lm	\$ 120.00	\$ 33,000.00
Supply and Install 600mm Storm Main	680	lm	\$ 200.00	\$ 136,000.00
Supply and Install 600mm CSP Culvert	-	lm	\$ 350.00	\$ -
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	720	m	\$ 300.00	\$ 216,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	8,630	m2	\$ 10.00	\$ 86,300.00
Hydroseed	3,550	m2	\$ 2.00	\$ 7,100.00
Sodding	5,080	m2	\$ 9.00	\$ 45,720.00
Trees	720	m	\$ 100.00	\$ 72,000.00
<b>Traffic Control</b>				
Pavement Markings	1,080	m	\$ 15.00	\$ 16,200.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	2	units	\$ 250,000.00	\$ 500,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossings	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	3.170	acres	\$ 250,000.00	\$ 792,500.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 7,297,650.00</b>
Temporary Traffic Control (2%)				\$ 145,953.00
Engineering & Testing (15%)				\$ 1,094,647.50
Contingency (25%)				\$ 1,824,412.50
<b>GRAND TOTAL COST</b>				<b>\$ 10,362,663.00</b>

**Notes:**

Signals are located at the intersection of 64 Avenue and 68 Avenue

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,500	m2	\$ 6.00	\$ 39,000.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	1,678	lm	\$ 80.00	\$ 134,211.52
Install Wick Drain Under Curb & Gutter	1,678	lm	\$ 2.00	\$ 3,355.29
Concrete Bus Pad (Off Street)	3	each	\$ 5,000.00	\$ 15,000.00
Concrete Bus Pad (On Street)	3	each	\$ 8,500.00	\$ 25,500.00
Slab-On Concrete Island	1,143	m2	\$ 125.00	\$ 142,820.28
Pedestrian Ramps	14	units	\$ 2,000.00	\$ 28,000.00
1.5m Concrete Sidewalk	937	m2	\$ 90.00	\$ 84,301.17
<b>Earthwork</b>				
Common Excavation	3,600	m3	\$ 15.00	\$ 54,000.00
Borrow Excavation	10,800	m3	\$ 22.00	\$ 237,600.00
Topsoil Stripping	27,100	m2	\$ 8.00	\$ 216,800.00
Cement Stabilization (150mm @ 10kg/m2)	29,025	m2	\$ 6.00	\$ 174,149.59
Portland Cement Supply	29,025	m2	\$ 4.00	\$ 116,099.72
Remove & Dispose Unsuitables	2,880	m3	\$ 22.00	\$ 63,360.00
<b>Roadwork</b>				
ACB	4,800	m3	\$ 230.00	\$ 1,104,000.00
ACO	2,800	m3	\$ 280.00	\$ 784,000.00
Granular Base Course (Des 2, Class 25) (350mm)	9,600	m3	\$ 42.00	\$ 403,200.00
Shared Use Path (Asphalt)	1,810	m2	\$ 21.00	\$ 38,003.64
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	14	units	\$ 3,500.00	\$ 49,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	340	lm	\$ 120.00	\$ 40,800.00
Supply and Install 600mm Storm Main	760	lm	\$ 200.00	\$ 152,000.00
Supply and Install 600mm CSP Culvert	25	lm	\$ 350.00	\$ 8,750.00
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	720	m	\$ 300.00	\$ 216,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	8,730	m2	\$ 10.00	\$ 87,300.00
Hydroseed	4,150	m2	\$ 2.00	\$ 8,300.00
Sodding	4,580	m2	\$ 9.00	\$ 41,220.00
Trees	720	m	\$ 100.00	\$ 72,000.00
<b>Traffic Control</b>				
Pavement Markings	1,080	m	\$ 15.00	\$ 16,200.00
Rail Crossing	1	ls	\$ 100,000.00	\$ 100,000.00
Signing	1	ls	\$ 10,000.00	\$ 10,000.00
New Signal	2	units	\$ 250,000.00	\$ 500,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossings	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	2.111	acres	\$ 250,000.00	\$ 527,800.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 5,612,770.00</b>
Temporary Traffic Control (2%)				\$ 112,255.40
Engineering & Testing (15%)				\$ 841,915.50
Contingency (25%)				\$ 1,403,192.50
<b>GRAND TOTAL COST</b>				<b>\$ 7,970,133.40</b>

**Notes:**

Signals are located at the intersection of 74 Avenue and 76 Avenue (new signals for both)



**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	3,084	m2	\$ 6.00	\$ 18,506.11
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	2,030	lm	\$ 80.00	\$ 162,363.59
Install Wick Drain Under Curb & Gutter	1,430	lm	\$ 2.00	\$ 2,859.09
Concrete Bus Pad (Off Street)	1	each	\$ 5,000.00	\$ 5,000.00
Concrete Bus Pad (On Street)	1	each	\$ 8,500.00	\$ 8,500.00
Slab-On Concrete Island	690	m2	\$ 125.00	\$ 86,250.00
Pedestrian Ramps	11	units	\$ 2,000.00	\$ 22,000.00
1.5m Concrete Sidewalk	38	m2	\$ 90.00	\$ 3,426.91
<b>Earthwork</b>				
Common Excavation	3,400	m3	\$ 15.00	\$ 51,000.00
Borrow Excavation	10,200	m3	\$ 22.00	\$ 224,400.00
Topsoil Stripping	17,000	m2	\$ 8.00	\$ 136,000.00
Cement Stabilization (150mm @ 10kg/m2)	26,823	m2	\$ 6.00	\$ 160,939.60
Portland Cement Supply	26,823	m2	\$ 4.00	\$ 107,293.07
Remove & Dispose Unsuitables	2,720	m3	\$ 22.00	\$ 59,840.00
<b>Roadwork</b>				
ACB	4,500	m3	\$ 230.00	\$ 1,035,000.00
ACO	2,600	m3	\$ 280.00	\$ 728,000.00
Granular Base Course (Des 2, Class 25) (350mm)	9,300	m3	\$ 42.00	\$ 390,600.00
Shared Use Path (Asphalt)	1,765	m2	\$ 21.00	\$ 37,066.96
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	2,620	m2	\$ 4,000.00	\$ 10,480,000.00
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	4	units	\$ 3,500.00	\$ 14,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	200	lm	\$ 120.00	\$ 24,000.00
Supply and Install 600mm Storm Main	660	lm	\$ 200.00	\$ 132,000.00
Supply and Install 600mm CSP Culvert	-	lm	\$ 350.00	\$ -
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	680	m	\$ 300.00	\$ 204,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	6,062	m2	\$ 10.00	\$ 60,620.00
Hydroseed	4,782	m2	\$ 2.00	\$ 9,564.00
Sodding	1,280	m2	\$ 9.00	\$ 11,520.00
Trees	680	m	\$ 100.00	\$ 68,000.00
<b>Traffic Control</b>				
Pavement Markings	1,020	m	\$ 15.00	\$ 15,300.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing (includes 2 overhead signs for interchange)	1	ls	\$ 180,000.00	\$ 180,000.00
New Signal	3	units	\$ 250,000.00	\$ 750,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossing (near 74 Avenue)	1	units	\$ 800,000.00	\$ 800,000.00
<b>Land Acquisitions</b>				
Land Acquisitions	2.862	acres	\$ 250,000.00	\$ 715,500.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 16,823,550.00</b>
Temporary Traffic Control (2%)				\$ 336,471.00
Engineering & Testing (15%)				\$ 2,523,532.50
Contingency (25%)				\$ 4,205,887.50
<b>GRAND TOTAL COST</b>				<b>\$ 23,889,441.00</b>

**Notes:**

Proposed bridge price includes new structure with asphalt overlay and new signals

**ESTIMATED COSTS**

Mau 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,300	m2	\$ 6.00	\$ 37,800.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	3,356	lm	\$ 80.00	\$ 268,481.70
Install Wick Drain Under Curb & Gutter	2,576	lm	\$ 2.00	\$ 5,152.04
Concrete Bus Pad (Off Street)	2	each	\$ 5,000.00	\$ 10,000.00
Concrete Bus Pad (On Street)	2	each	\$ 8,500.00	\$ 17,000.00
Slab-On Concrete Island	450	m2	\$ 125.00	\$ 56,250.00
Pedestrian Ramps	5	units	\$ 2,000.00	\$ 10,000.00
1.5m Concrete Sidewalk	37	m2	\$ 90.00	\$ 3,344.54
<b>Earthwork</b>				
Common Excavation	3,500	m3	\$ 15.00	\$ 52,500.00
Borrow Excavation	10,500	m3	\$ 22.00	\$ 231,000.00
Topsoil Stripping	35,700	m2	\$ 8.00	\$ 285,600.00
Cement Stabilization (150mm @ 10kg/m2)	28,313	m2	\$ 6.00	\$ 169,878.49
Portland Cement Supply	28,313	m2	\$ 4.00	\$ 113,252.33
Remove & Dispose Unsuitables	2,800	m3	\$ 22.00	\$ 61,600.00
<b>Roadwork</b>				
ACB	4,500	m3	\$ 230.00	\$ 1,035,000.00
ACO	2,600	m3	\$ 280.00	\$ 728,000.00
Granular Base Course (Des 2, Class 25) (350mm)	9,100	m3	\$ 42.00	\$ 382,200.00
Shared Use Path (Asphalt)	1,948	m2	\$ 21.00	\$ 40,898.55
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	1	ls	\$ 1,000,000.00	\$ 1,000,000.00
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	8	units	\$ 3,500.00	\$ 28,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	1	units	\$ 6,000.00	\$ 6,000.00
Supply and Install 300mm CB Lead	140	lm	\$ 120.00	\$ 16,800.00
Supply and Install 600mm Storm Main	745	lm	\$ 200.00	\$ 149,000.00
Supply and Install 600mm CSP Culvert	74	lm	\$ 350.00	\$ 25,900.00
Pre-Treatment Structures (Stormceptor/Vortechs)	1	each	\$ 75,000.00	\$ 75,000.00
<b>Streetlighting</b>				
Streetlighting	700	m	\$ 300.00	\$ 210,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	8,675	m2	\$ 10.00	\$ 86,750.00
Hydroseed	6,095	m2	\$ 2.00	\$ 12,190.00
Sodding	2,580	m2	\$ 9.00	\$ 23,220.00
Trees	700	m	\$ 100.00	\$ 70,000.00
<b>Traffic Control</b>				
Pavement Markings	1,050	m	\$ 15.00	\$ 15,750.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	2	units	\$ 250,000.00	\$ 500,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossings (near 90 Avenue and 92 Avenue)	2	units	\$ 800,000.00	\$ 1,600,000.00
<b>Land Acquisitions</b>				
Land Acquisitions	1.470	acres	\$ 250,000.00	\$ 367,500.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 7,819,070.00</b>
Temporary Traffic Control (2%)				\$ 156,381.40
Engineering & Testing (15%)				\$ 1,172,860.50
Contingency (25%)				\$ 1,954,767.50
<b>GRAND TOTAL COST</b>				<b>\$ 11,103,079.40</b>

**Notes:**

Signals are located at the intersection of 84 Avenue and 92 Avenue



**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,300	m2	\$ 6.00	\$ 37,800.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	2,037	lm	\$ 80.00	\$ 162,947.41
Install Wick Drain Under Curb & Gutter	1,757	lm	\$ 2.00	\$ 3,513.69
Concrete Bus Pad (Off Street)	1	each	\$ 5,000.00	\$ 5,000.00
Concrete Bus Pad (On Street)	1	each	\$ 8,500.00	\$ 8,500.00
Slab-On Concrete Island	816	m2	\$ 125.00	\$ 102,000.00
Pedestrian Ramps	7	units	\$ 2,000.00	\$ 14,000.00
1.5m Concrete Sidewalk	49	m2	\$ 90.00	\$ 4,423.26
<b>Earthwork</b>				
Common Excavation	3,500	m3	\$ 15.00	\$ 52,500.00
Borrow Excavation	10,500	m3	\$ 22.00	\$ 231,000.00
Topsoil Stripping	22,500	m2	\$ 8.00	\$ 180,000.00
Cement Stabilization (150mm @ 10kg/m2)	20,380	m2	\$ 6.00	\$ 122,279.47
Portland Cement Supply	20,380	m2	\$ 4.00	\$ 81,519.64
Remove & Dispose Unsuitables	2,800	m3	\$ 22.00	\$ 61,600.00
<b>Roadwork</b>				
ACB	3,300	m3	\$ 230.00	\$ 759,000.00
ACO	1,900	m3	\$ 280.00	\$ 532,000.00
Granular Base Course (Des 2, Class 25) (350mm)	6,900	m3	\$ 42.00	\$ 289,800.00
Shared Use Path (Asphalt)	1,960	m2	\$ 21.00	\$ 41,154.43
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	10	units	\$ 3,500.00	\$ 35,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	200	lm	\$ 120.00	\$ 24,000.00
Supply and Install 600mm Storm Main	645	lm	\$ 200.00	\$ 129,000.00
Supply and Install 600mm CSP Culvert	-	lm	\$ 350.00	\$ -
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	700	m	\$ 300.00	\$ 210,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	5,480	m2	\$ 10.00	\$ 54,800.00
Hydroseed	3,420	m2	\$ 2.00	\$ 6,840.00
Sodding	2,060	m2	\$ 9.00	\$ 18,540.00
Trees	700	m	\$ 100.00	\$ 70,000.00
<b>Traffic Control</b>				
Pavement Markings	1,050	m	\$ 15.00	\$ 15,750.00
Rail Crossing	2	units	\$ 100,000.00	\$ 200,000.00
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	-	units	\$ 250,000.00	\$ -
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossing (near 96 Avenue)	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	2.110	acres	\$ 250,000.00	\$ 527,500.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 4,105,470.00</b>
Temporary Traffic Control (2%)				\$ 82,109.40
Engineering & Testing (15%)				\$ 615,820.50
Contingency (25%)				\$ 1,026,367.50
<b>GRAND TOTAL COST</b>				<b>\$ 5,829,767.40</b>

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	6,300	m2	\$ 6.00	\$ 37,800.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	1,987	lm	\$ 80.00	\$ 158,937.66
Install Wick Drain Under Curb & Gutter	1,627	lm	\$ 2.00	\$ 3,253.44
Concrete Bus Pad (Off Street)	2	each	\$ 5,000.00	\$ 10,000.00
Concrete Bus Pad (On Street)	2	each	\$ 8,500.00	\$ 17,000.00
Slab-On Concrete Island	800	m2	\$ 125.00	\$ 100,000.00
Pedestrian Ramps	7	units	\$ 2,000.00	\$ 14,000.00
1.5m Concrete Sidewalk	39	m2	\$ 90.00	\$ 3,475.35
<b>Earthwork</b>				
Common Excavation	3,500	m3	\$ 15.00	\$ 52,500.00
Borrow Excavation	10,500	m3	\$ 22.00	\$ 231,000.00
Topsoil Stripping	21,600	m2	\$ 8.00	\$ 172,800.00
Cement Stabilization (150mm @ 10kg/m2)	17,765	m2	\$ 6.00	\$ 106,590.18
Portland Cement Supply	17,765	m2	\$ 4.00	\$ 71,060.12
Remove & Dispose Unsuitables	2,800	m3	\$ 22.00	\$ 61,600.00
<b>Roadwork</b>				
ACB	2,900	m3	\$ 230.00	\$ 667,000.00
ACO	1,700	m3	\$ 280.00	\$ 476,000.00
Granular Base Course (Des 2, Class 25) (350mm)	6,000	m3	\$ 42.00	\$ 252,000.00
Shared Use Path (Asphalt)	1,893	m2	\$ 21.00	\$ 39,751.23
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	10	units	\$ 3,500.00	\$ 35,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	-	units	\$ 6,000.00	\$ -
Supply and Install 300mm CB Lead	120	lm	\$ 120.00	\$ 14,400.00
Supply and Install 600mm Storm Main	670	lm	\$ 200.00	\$ 134,000.00
Supply and Install 600mm CSP Culvert	-	lm	\$ 350.00	\$ -
Pre-Treatment Structures (Stormceptor/Vortechs)	-	each	\$ 75,000.00	\$ -
<b>Streetlighting</b>				
Streetlighting	700	m	\$ 300.00	\$ 210,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	5,100	m2	\$ 10.00	\$ 51,000.00
Hydroseed	2,640	m2	\$ 2.00	\$ 5,280.00
Sodding	2,460	m2	\$ 9.00	\$ 22,140.00
Trees	700	m	\$ 100.00	\$ 70,000.00
<b>Traffic Control</b>				
Pavement Markings	1,050	m	\$ 15.00	\$ 15,750.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	-	units	\$ 250,000.00	\$ -
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossing (near 96 Avenue)	1	units	\$ 800,000.00	\$ 800,000.00
<b>Land Acquisitions</b>				
Land Acquisitions	2.421	acres	\$ 250,000.00	\$ 605,250.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 4,562,590.00</b>
Temporary Traffic Control (2%)				\$ 91,251.80
Engineering & Testing (15%)				\$ 684,388.50
Contingency (25%)				\$ 1,140,647.50
<b>GRAND TOTAL COST</b>				<b>\$ 6,478,877.80</b>

**ESTIMATED COSTS**

May 15, 2013

Item	Quantity	Unit	Unit Price	Cost
<b>Removals</b>				
Remove Existing Asphalt Pavement	4,500	m2	\$ 6.00	\$ 27,000.00
<b>Concrete Work</b>				
Install 150mm Curb & 250mm Gutter	1,028	lm	\$ 80.00	\$ 82,262.66
Install Wick Drain Under Curb & Gutter	968	lm	\$ 2.00	\$ 1,936.57
Concrete Bus Pad (Off Street)	1	each	\$ 5,000.00	\$ 5,000.00
Concrete Bus Pad (On Street)	1	each	\$ 8,500.00	\$ 8,500.00
Slab-On Concrete Island	810	m2	\$ 125.00	\$ 101,250.00
Pedestrian Ramps	7	units	\$ 2,000.00	\$ 14,000.00
1.5m Concrete Sidewalk	23	m2	\$ 90.00	\$ 2,026.35
<b>Earthwork</b>				
Common Excavation	2,500	m3	\$ 15.00	\$ 37,500.00
Borrow Excavation	7,600	m3	\$ 22.00	\$ 167,200.00
Topsoil Stripping	11,200	m2	\$ 8.00	\$ 89,600.00
Cement Stabilization (150mm @ 10kg/m2)	14,863	m2	\$ 6.00	\$ 89,175.29
Portland Cement Supply	14,863	m2	\$ 4.00	\$ 59,450.20
Remove & Dispose Unsuitables	2,000	m3	\$ 22.00	\$ 44,000.00
<b>Roadwork</b>				
ACB	2,500	m3	\$ 230.00	\$ 575,000.00
ACO	1,400	m3	\$ 280.00	\$ 392,000.00
Granular Base Course (Des 2, Class 25) (350mm)	5,100	m3	\$ 42.00	\$ 214,200.00
Shared Use Path (Asphalt)	1,026	m2	\$ 21.00	\$ 21,556.00
<b>Structures</b>				
Bridge (Sherwood Park Freeway)	-	m2	\$ 4,000.00	\$ -
Creek Crossing (Fulton Creek)	-	ls	\$ 1,000,000.00	\$ -
Creek Crossing (Goldbar Creek Crossing)	-	ls	\$ 1,000,000.00	\$ -
<b>Drainage - CB &amp; Leads</b>				
900mm CB Supply and Install c/w Frame & Cover	4	units	\$ 3,500.00	\$ 14,000.00
1200mm CBMH Supply and Install c/w Frame & Cover	1	units	\$ 6,000.00	\$ 6,000.00
Supply and Install 300mm CB Lead	90	lm	\$ 120.00	\$ 10,800.00
Supply and Install 600mm Storm Main	445	lm	\$ 200.00	\$ 89,000.00
Supply and Install 600mm CSP Culvert	20	lm	\$ 350.00	\$ 7,000.00
Pre-Treatment Structures (Stormceptor/Vortechs)	1	each	\$ 75,000.00	\$ 75,000.00
<b>Streetlighting</b>				
Streetlighting	500	m	\$ 300.00	\$ 150,000.00
<b>Landscaping</b>				
Topsoil Placement (150mm avg.)	3,330	m2	\$ 10.00	\$ 33,300.00
Hydroseed	1,890	m2	\$ 2.00	\$ 3,780.00
Sodding	1,440	m2	\$ 9.00	\$ 12,960.00
Trees	500	m	\$ 100.00	\$ 50,000.00
<b>Traffic Operations</b>				
Pavement Markings	750	m	\$ 15.00	\$ 11,250.00
Rail Crossing	-	units	\$ 100,000.00	\$ -
Signing	1	ls	\$ 5,000.00	\$ 5,000.00
New Signal	1	units	\$ 250,000.00	\$ 250,000.00
Modifications to Existing Signal	-	units	\$ 80,000.00	\$ -
<b>Utility Relocations</b>				
Minor Shallow Relocations	1	units	\$ 120,000.00	\$ 120,000.00
Major Crossings	-	units	\$ 800,000.00	\$ -
<b>Land Acquisitions</b>				
Land Acquisitions	1.420	acres	\$ 250,000.00	\$ 355,000.00
<b>ESTIMATED TOTAL COST</b>				<b>\$ 3,124,750.00</b>
Temporary Traffic Control (2%)				\$ 62,495.00
Engineering & Testing (15%)				\$ 468,712.50
Contingency (25%)				\$ 781,187.50
<b>GRAND TOTAL COST</b>				<b>\$ 4,437,145.00</b>

## Cost Estimate Summary - 34 Street, Whitemud Drive to Baseline Road

ITEM	Whitemud to 56 Avenue	56 Avenue to 64 Avenue	64 Avenue to 68 Avenue	68 Avenue to 76 Avenue	76 Avenue to Sherwood Park Freeway	Sherwood Park Freeway to 92 Avenue	92 Ave to Development Access	Development Access to 98 Avenue	98 Avenue to Baseline Road		
Removals	\$36,000	\$37,800	\$59,520	\$39,000	\$18,506	\$37,800	\$37,800	\$37,800	\$27,000	\$331,226	
Concrete Work	\$257,241	\$472,247	\$409,322	\$433,188	\$290,400	\$370,228	\$300,384	\$306,666	\$214,976	\$3,054,653	
Earthwork	\$616,866	\$865,857	\$1,335,197	\$862,009	\$739,473	\$913,831	\$728,899	\$695,550	\$486,925	\$7,244,608	
Roadwork	\$1,670,230	\$2,135,727	\$3,428,794	\$2,329,204	\$2,190,667	\$2,186,099	\$1,621,954	\$1,434,751	\$1,202,756	\$18,200,182	
Structure	\$0	\$1,000,000	\$0	\$0	\$10,480,000	\$1,000,000	\$0	\$0	\$0	\$12,480,000	
Drainage - CB & Leads	\$197,800	\$280,455	\$204,000	\$250,550	\$170,000	\$300,700	\$188,000	\$183,400	\$201,800	\$1,976,705	
Streetlighting	\$198,000	\$210,000	\$216,000	\$216,000	\$204,000	\$210,000	\$210,000	\$210,000	\$150,000	\$1,824,000	
Landscaping	\$169,880	\$226,700	\$211,120	\$208,820	\$149,704	\$192,160	\$150,180	\$148,420	\$100,040	\$1,557,024	
Traffic Control	\$269,850	\$355,750	\$521,200	\$626,200	\$945,300	\$520,750	\$220,750	\$20,750	\$266,250	\$3,746,800	
Utilities	\$0	\$120,000	\$120,000	\$120,000	\$920,000	\$1,720,000	\$120,000	\$920,000	\$120,000	\$4,160,000	
Land Acquisitions	\$445,300	\$905,750	\$792,500	\$527,800	\$715,500	\$367,500	\$527,500	\$605,250	\$355,000	\$5,242,100	
<b>ESTIMATED COST</b>	<b>\$3,861,167</b>	<b>\$6,610,286</b>	<b>\$7,297,653</b>	<b>\$5,612,771</b>	<b>\$16,823,549</b>	<b>\$7,819,068</b>	<b>\$4,105,468</b>	<b>\$4,562,588</b>	<b>\$3,124,747</b>	<b>\$59,817,297</b>	
Traffic Control	2%	\$77,223	\$132,206	\$145,953	\$112,255	\$336,471	\$156,381	\$82,109	\$91,252	\$62,495	\$1,196,346
Engineering & Testing	15%	\$579,175	\$991,543	\$1,094,648	\$841,916	\$2,523,532	\$1,172,860	\$615,820	\$684,388	\$468,712	\$8,972,595
Contingency	25%	\$965,292	\$1,652,571	\$1,824,413	\$1,403,193	\$4,205,887	\$1,954,767	\$1,026,367	\$1,140,647	\$781,187	\$14,954,324
<b>TOTAL ESIMATED COST</b>	<b>\$5,482,857</b>	<b>\$9,386,606</b>	<b>\$10,362,668</b>	<b>\$7,970,135</b>	<b>\$23,889,440</b>	<b>\$11,103,076</b>	<b>\$5,829,764</b>	<b>\$6,478,875</b>	<b>\$4,437,141</b>	<b>\$84,900,000</b>	