

Appendix D

Summary Tables of Structures with Preliminary Cost Estimates:

- **Table for Alternative 1A**
- **Table for Alternative 1B**
- **Table for Alternative 2A**
- **Table for Alternative 2B**
- **Table for Alternative 3**
- **Table for The Parkway**

Appendix D.1

Table 1A for Alternative 1A

**Table "1A": Alignment Alternative "1A" Practical at Grade Freeway
Along Highway 3 Corridor (Huron Church Road) with Service Roads on Both Sides**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
1A - 5	North Talbot Road Underpass	Two Spans Bridge	31+31	15.6	\$2,100	\$2,031,000
1A - 10	Hwy 3 WB Underpass	Three Spans Bridge	42+26+23	12.55	\$2,100	\$2,398,000
1A - 11	Hwy 401 Ramp W-E Underpass	Single Span Bridge	36	12.05	\$2,100	\$911,000
1A - 12	Hwy 401 Ramp E-N/S Overpass	Single Span Bridge	39	12.05	\$2,100	\$987,000
1A - 13	Ramp E-W at West of Howard Avenue	Boat Section	400	Length	\$30,000	\$12,000,000
1A - 20	Approach Ramp of Hwy 401 at East of Howard Avenue	Boat Section	500	Length	\$30,000	\$15,000,000
1A - 21	Below Grade Hwy 401 at Howard Avenue	Boat Section	93	Length	\$45,000	\$4,185,000
1A - 22	Howard Avenue Underpass	Two Spans Bridge	26+32	24.6	\$2,200	\$3,139,000
1A - 23	Approach Ramp of Hwy 401 at West of Howard Avenue	Boat Section	300	Length	\$30,000	\$9,000,000
1A - 30	Approach Ramp of Hwy 401 at East of Cousineau Road	Boat Section	350	Length	\$30,000	\$10,500,000
1A - 31	Below Grade Hwy 401at Cousineau Road	Boat Section	508	Length	\$45,000	\$22,860,000
1A - 32	Cousineau Road Underpass	Two Spans Bridge	27+30	24.6	\$2,200	\$3,085,000
1A - 33	Pedestrian Plaza at Cousineau Road	Two Spans Bridge	27+30	70	\$2,200	\$8,778,000
1A - 34	St.Clair College Road Underpass	Two Spans Bridge	26+26	15.6	\$2,100	\$1,704,000
1A - 35	Approach Ramp of Hwy 401 at West of St.Clair Collge Road	Boat Section	250	Length	\$30,000	\$7,500,000
1A - 37	Ramps E-W and W-E to Hwy 401 at West of Cousineau Road	Boat Section	480	Length	\$30,000	\$14,400,000
1A - 40	Approach Ramp of Hwy 401 at East of Cabana Road West	Boat Section	410	Length	\$30,000	\$12,300,000
1A - 42	Cabana Road West Underpass	Two Spans Bridge	21+21	24.6	\$2,100	\$2,170,000
1A - 43	Pedestrian Plaza at Cabana Road West	Two Spans Bridge	21+21	120	\$2,100	\$10,584,000
1A - 44	Approach Ramp of Hwy 401 at West of Cabana Road West	Boat Section	375	Length	\$30,000	\$11,250,000
1A - 50	Turkey Creek Bridge	Single Span Bridge	24	64.49	\$2,750	\$4,256,800
1A - 60	Approach Ramp of Hwy 401 at Grand Marais Road West side	Boat Section	350	Length	\$30,000	\$10,500,000
1A - 61	Below Grade Hwy 401 at South of Huron Church Road	Boat Section	637	Length	\$45,000	\$28,665,000
1A - 62	Huron Church Road Ramp N-S Underpass	Two Spans Bridge	36+33	12.05	\$2,200	\$1,829,000
1A - 63	Grand Marais Road West Underpass	Four Spans Bridge	20+23+23+23	22.6	\$2,000	\$4,023,000
1A - 64	Approach Ramp of Hwy 401 at just East of EC ROW Expressway	Boat Section	300	Length	\$30,000	\$9,000,000
1A - 65	Ramps N-S & S-N to Hwy 401 at East of Huron Church Line	Boat Section	420	Length	\$30,000	\$12,600,000
1A - 66	Below Grade Ramps S-N,N-S to Hwy 401 at East of Huron Church Line	Boat Section	150	Length	\$45,000	\$6,750,000
1A - 90	Malden Road Overpass	Single Span Bridge	35	36.35	\$2,000	\$2,545,000
1A - 91	Ramp W-E Underpass	Two Spans Bridge	45.0+45.0	9.3	\$2,100	\$1,758,000
1A - 92	Matchette Road Overpass	Single Span Bridge	40	36.35	\$2,000	\$2,908,000
1A - 93	Ojibway / ETR Overpass	Three Spans Bridge	34+34+45	36.35	\$2,500	\$10,269,000
1A - 94	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge	44	12.05	\$2,000	\$1,060,000
1A - 95	Ramp E-W at ETR Overpass	Single Span Bridge	30	12.05	\$2,500	\$904,000
1A - 110	Cahill Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1A - 120	Secondary Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000

**Table "1A": Alignment Alternative "1A" Practical at Grade Freeway
Along Highway 3 Corridor (Huron Church Road) with Service Roads on Both Sides**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
1A - 130	Lennon Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1A - 140	Marentette Mangin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1A - 150	Basin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1A - 160	Titcombe Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
TOTAL COST						<u>\$253,649,800</u>
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Highway Costs</p>						

Appendix D.2

Table 1B for Alternative 1B

**Table "1B": Alignment Alternative "1B" Practical Below Grade Freeway
Along Highway 3 Corridor (Huron Church Road) with Service Roads on Both Sides**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
1B - 5	North Tablot Road Underpass	Two Spans Bridge	31+31	15.6	\$2,100	\$2,031,000
1B - 10	Hwy 3 WB Underpass	Three Spans Bridge	42+26+23	12.55	\$2,100	\$2,398,000
1B - 11	Hwy 401 Ramp W-E Underpass	Single Span Bridge	36	12.05	\$2,100	\$911,000
1B - 12	Hwy 401 Ramp E-N/S Overpass	Single Span Bridge	39	12.05	\$2,100	\$987,000
1B - 13	Ramp E-W at East of Howard Avenue	Boat Section	540	Length	\$30,000	\$16,200,000
1B - 14	Approach Ramp of Highway 401 at East of Howard Avenue	Boat Section	400	Length	\$30,000	\$12,000,000
1B - 20	Hwy 401 with Ramp E-W at East of Howard Avenue	Boat Section	100	Length	\$30,000	\$3,000,000
1B - 22	Howard Avenue Underpass	Two Spans Bridge	23+27	24.6	\$2,200	\$2,706,000
1B - 23	Montgomery Drive Underpass	Two Spans Bridge	21+21	15.6	\$2,100	\$1,376,000
1B - 32	Cousineau Road/Sandwich Parkway Underpass	Two Spans Bridge	27+27	24.6	\$2,200	\$2,922,000
1B - 33	Pedestrian Plaza at Cousineau Road	Two Spans Bridge	29+29	70	\$2,100	\$8,526,000
1B - 34	St.Clair College Road Underpass	Two Spans Bridge	26+26	15.6	\$2,100	\$1,704,000
1B - 35	Huron Church Line Underpass	Two Spans Bridge	21+21	26	\$2,300	\$2,512,000
1B - 36	Ramps E-W & W-E on East of St.Clair College Road	Boat Section	560	Length	\$30,000	\$16,800,000
1B - 37	Ramps E-W & W-E on West of St.Clair College Road	Boat Section	600	Length	\$30,000	\$18,000,000
1B - 42	Cabana Road West / Todd Lane Underpass	Two Spans Bridge	21+21	24.6	\$2,100	\$2,170,000
1B - 43	Pedestrian Plaza at Cabana Road West	Two Spans Bridge	21+21	120	\$2,100	\$10,584,000
1B - 44	Pulford Street Underpass	Two Spans Bridge	26+26	15.6	\$2,100	\$1,704,000
1B - 51	Grand Marais West / Lampton Underpass	Two Spans Bridge	27+27	24.6	\$2,100	\$2,790,000
1B - 55	Turkey Creek Bridge for Service Roads (incl.staged const.,temp.bridge etc)	Single Span Bridge	24	23.65	\$8,000	\$4,541,000
1B - 60	Sideroad Ramps S-N & N-S on East of Pulford Street	Boat Section	670	Length	\$45,000	\$30,150,000
1B - 61	Sideroad Ramps S-N & N-S on East of Grand Marais Road	Boat Section	720	Length	\$45,000	\$32,400,000
1B - 62	Huron Church Road Ramp N-S Underpass	Two Spans Bridge	33+34	12.05	\$2,200	\$1,776,000
1B - 63	Labelle Street/Bethlehem Avenue Underpass	Two Spans Bridge	26+26	15.6	\$2,200	\$1,785,000
1B - 64	Approach Ramp of Highway 401 near EC ROW Expressway	Boat Section	350	Length	\$30,000	\$10,500,000
1B - 90	Malden Road Overpass	Single Span Bridge	35	36.35	\$2,000	\$2,545,000
1B - 91	Ramp W-E Underpass	Two Spans Bridge	45+45	9.3	\$2,100	\$1,758,000
1B - 92	Matchette Road Overpass	Single Span Bridge	40	36.35	\$2,000	\$2,908,000
1B - 93	Ojibway / ETR Overpass	Three Spans Bridge	34+34+45	36.35	\$2,500	\$10,269,000
1B - 94	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge	44	12.05	\$2,000	\$1,060,000
1B - 95	Ramp E-W at ETR Overpass	Single Span Bridge	30	12.05	\$2,500	\$904,000
1B - 202	Below Grade Hwy 401 bet.Howard Avenue & Montgomery Drive	Boat Section	800	Length	\$45,000	\$36,000,000
1B - 203	Below Grade Hwy 401 at West of Montgomery Drive	Boat Section	600	Length	\$45,000	\$27,000,000
1B - 204	Below Grade Hwy 401 with S.C.L.at East of Cousineau Road/Sandwich Pkwy	Boat Section	150	Length	\$45,000	\$6,750,000
1B - 211	Below Grade Hwy 401 bet. C.ousineau & St. Clair College Road	Boat Section	475	Length	\$45,000	\$21,375,000
1B - 212	Below Grade Hwy 401 at West of St. Clair College Road	Boat Section	425	Length	\$45,000	\$19,125,000

**Table "1B": Alignment Alternative "1B" Practical Below Grade Freeway
Along Highway 3 Corridor (Huron Church Road) with Service Roads on Both Sides**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
1B - 213	Below Grade Hwy 401 with S.C.Lat West of St. Clair College Road	Boat Section	250	Length	\$45,000	\$11,250,000
1B - 214	Below Grade Hwy 401 at East of Huron Church Line	Boat Section	425	Length	\$45,000	\$19,125,000
1B - 215	Below Grade Hwy 401 bet. Huron Church Line & Cabana Rd. West/Todd Lane	Boat Section	400	Length	\$45,000	\$18,000,000
1B - 221	Below Grade Hwy 401 at West of Todd Lane	Boat Section	400	Length	\$65,000	\$26,000,000
1B - 222	Below Grade Hwy 401 with S.C.Lat East of Pulford Street	Boat Section	200	Length	\$65,000	\$13,000,000
1B - 223	Below Grade Hwy 401 bet. Pulford Street & Grand Marais Rd. West	Boat Section	325	Length	\$75,000	\$24,375,000
1B - 224	Below Grade Hwy 401 with S.C.Lat East of Grand Marais Rd. West/Lambton Rd.	Boat Section	125	Length	\$75,000	\$9,375,000
1B - 225	Hwy 401 in Tunnel under Turkey Creek	Cut & Cover Tunnel	100	Length	\$215,000	\$21,500,000
1B - 231	Below Grade Hwy 401 with S.C.L.at West of Grand Marais Rd.West/Lambton Road	Boat Section	125	Length	\$65,000	\$8,125,000
1B - 232	Below Grand Hwy 401 bet. Grand Marais Road and Labelle Street	Boat Section	400	Length	\$65,000	\$26,000,000
1B - 233	Below Grade Hwy 401 at West of Labelle Street/Belhehem	Boat Section	100	Length	\$65,000	\$6,500,000
1B - 110	Cahill Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1B - 120	Secondary Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1B - 130	Lennon Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1B - 140	Marentette Mangin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1B - 150	Basin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
1B - 160	Titcombe Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
TOTAL COST						\$503,186,000
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Highway Costs.</p>						

Appendix D.3

Table 2A for Alternative 2A

**Table "2A": Alignment Alternative "2A" Practical at Grade Freeway
Parallel to Hwy 3 Corridor (Huron Church Road)**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
2A - 5	North Talbot Road Underpass	Two Spans Bridge	31+31	15.6	\$2,100	\$2,031,000
2A - 10	Hwy 3 WB Underpass	Three Spans Bridge	42+26+23	12.55	\$2,100	\$2,398,000
2A - 11	Hwy 401 Ramp W-E Underpass	Single Span Bridge	36	12.05	\$2,100	\$911,000
2A - 12	Hwy 401 Ramp E-N/S Overpass	Single Span Bridge	39	12.05	\$2,100	\$987,000
2A - 13	Ramp E-W at East of Howard Avenue	Boat Section	510	Length	\$30,000	\$15,300,000
2A - 20	Approach Ramp of Hwy 401 at East of Howard Avenue	Boat Section	500	Length	\$30,000	\$15,000,000
2A - 21	Below Grade Hwy 401 at East of Howard Avenue	Boat Section	90	Length	\$45,000	\$4,050,000
2A - 22	Howard Avenue Underpass	Two Spans Bridge	30+30	24.6	\$2,200	\$3,247,000
2A - 23	Below Grade Hwy 401 at West of Howard Avenue	Boat Section	70	Length	\$45,000	\$3,150,000
2A - 24	Approach Ramp of Hwy 401 at West of Howard Avenue	Boat Section	300	Length	\$30,000	\$9,000,000
2A - 25	Ramp W-N/S at West of Howard Avenue	Boat Section	300	Length	\$30,000	\$9,000,000
2A - 30	Approach Ramp of Hwy 401 at East of Cousineau Road	Boat Section	350	Length	\$30,000	\$10,500,000
2A - 31	Below Grade Hwy 401 at East of Cousineau Road	Boat Section	65	Length	\$45,000	\$2,925,000
2A - 32	Sandwich Parkway Underpass	Two Spans Bridge	20+20	24.6	\$2,100	\$2,066,000
2A - 34	Below Grade Hwy 401 at West of Cousineau Road	Boat Section	65	Length	\$45,000	\$2,925,000
2A - 35	Approach Ramp of Hwy 401 at West of Cousineau Road	Boat Section	270	Length	\$30,000	\$8,100,000
2A - 40	Approach Ramp of Hwy 401 at East of Cabana Road West	Boat Section	450	Length	\$30,000	\$13,500,000
2A - 41	Below Grade Hwy 401 at West of Cabana Road West	Boat Section	50	Length	\$45,000	\$2,250,000
2A - 42	Cabana Road West Underpass	Two Spans Bridge	26+25	24.6	\$2,200	\$2,760,000
2A - 43	Below Grade Hwy 401 at East of Cabana Road West	Boat Section	350	Length	\$45,000	\$15,750,000
2A - 44	Below Grade Hwy 401 at West of Huron Church Line	Boat Section	75	Length	\$45,000	\$3,375,000
2A - 45	Below Grade Wider Hwy 401 at East of Huron Church Line	Boat Section	100	Length	\$45,000	\$4,500,000
2A - 46	Approach Ramp of Hwy 401 at West of Cabana Road West	Boat Section	375	Length	\$30,000	\$11,250,000
2A - 47	Ramp N-E/W at East of Cabana Road West	Boat Section	340	Length	\$30,000	\$10,200,000
2A - 48	Ramp E/W-S at East of Cabana Road West	Boat Section	340	Length	\$30,000	\$10,200,000
2A - 49	Huron Church Line Underpass	Two Spans Bridge	27+27	24	\$2,300	\$2,981,000
2A - 50	Turkey Creek Bridge	Single Span Bridge	24	36.35	\$2,000	\$1,745,000
2A - 51	Grand Marais Road West Underpass	Three Spans Bridge	30+30+30	24.6	\$2,100	\$4,649,000
2A - 60	Approach Ramp of Hwy 401 at Grand Marais Road West side	Boat Section	273	Length	\$30,000	\$8,190,000
2A - 61	Below Grade Hwy 401 at just West of Grand Marais Road West	Boat Section	125	Length	\$45,000	\$5,625,000
2A - 62	Huron Church Ramp N-S Underpass	Two Spans Bridge	32+38	12.05	\$2,200	\$1,856,000
2A - 63	Spring Garden Road Underpass	Two Spans Bridge	22+22	15.6	\$2,100	\$1,441,000

**Table "2A": Alignment Alternative "2A" Practical at Grade Freeway
Parallel to Hwy 3 Corridor (Huron Church Road)**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
2A - 64	Below Grade Hwy 401 with N-S Ramp at South of Huron Church Road	Boat Section	100	Length	\$45,000	\$4,500,000
2A - 65	Below Grade Hwy 401 at South of Huron Church Road	Boat Section	125	Length	\$45,000	\$5,625,000
2A - 66	Below Grade Hwy 401 with Ramp S-N at South of Huron Church Road	Boat Section	100	Length	\$45,000	\$4,500,000
2A - 67	Below Grade Hwy 401 South of Ramp N-S	Boat Section	125	Length	\$45,000	\$5,625,000
2A - 68	Below Grade Hwy 401 at North of Ramp N-S	Boat Section	110	Length	\$45,000	\$4,950,000
2A - 69	Approach Ramp S-N to Hwy 401 at South of Huron Church Road	Boat Section	250	Length	\$30,000	\$7,500,000
2A - 70	Approach Ramp N-S to Hwy 401 at South of Huron Church Road	Boat Section	250	Length	\$30,000	\$7,500,000
2A - 71	Approach Ramp of Hwy 401 at South of EC Row Expressway	Boat Section	275	Length	\$30,000	\$8,250,000
2A - 90	Malden Road Overpass	Single Span Bridge	35	36.35	\$2,000	\$2,545,000
2A - 91	Ramp W-E Underpass	Two Spans Bridge	45+45	9.3	\$2,100	\$1,758,000
2A - 92	Matchette Road Overpass	Single Span Bridge	40	36.35	\$2,000	\$2,908,000
2A - 93	Ojibway / ETR Overpass	Three Spans Bridge	34+34+45	36.35	\$2,500	\$10,269,000
2A - 94	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge	44	12.05	\$2,000	\$1,060,000
2A - 95	Ramp E-W at ETR Overpass	Single Span Bridge	30	12.05	\$2,500	\$904,000
2A - 110	Cahill Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2A - 120	Secondary Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2A - 130	Lennon Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2A - 140	Marentette Mangin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2A - 150	Basin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2A - 160	Tilcombe Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
	TOTAL COST					\$261,556,000
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Hwy Costs.</p>						

Appendix D.4

Table 2B for Alternative 2B

**Table "2B": Alignment Alternative "2B" Practical
Below Grade Freeway Parallel to Hwy 3 Corridor (Huron Church Road)**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
2B - 5	North Talbot Road Underpass	Two Spans Bridge	31+31	15.6	\$2,100	\$2,031,000
2B - 10	Hwy 3 WB Underpass	Three Spans Bridge	42+26+23	12.55	\$2,100	\$2,398,000
2B - 11	Ramp W-E Underpass	Single Span Bridge	36	12.05	\$2,100	\$911,000
2B - 12	Hwy 401Ramp E-N/S Overpass	Single Span Bridge	39	12.05	\$2,100	\$987,000
2B - 13	Approach Ramp E-W of Hwy 401 at East of Howard Avenue	Boat Section	550	Length	\$30,000	\$16,500,000
2B - 14	Approach Ramp of Hwy 401 at East of Howard Avenue	Boat Section	500	Length	\$30,000	\$15,000,000
2B - 20	Approach Ramp of Hwy 401 at Howard Avenue	Boat Section	123	Length	\$30,000	\$3,690,000
2B - 22	Howard Avenue Underpass	Two Spans Bridge	23+30	24.6	\$2,200	\$2,868,000
2B - 23	Montgomery Road Underpass	Two Spans Bridge	21+21	15.6	\$2,100	\$1,376,000
2B - 24	Ramp W-N/S on West of Howard Avenue	Boat Section	400	Length	\$30,000	\$12,000,000
2B - 32	Cousineau Road / Sandwich Parkway Underpass	Two Spans Bridge	20+20	24.6	\$2,100	\$2,066,000
2B - 33	Huron Church Line Underpass	Two Spans Bridge	27+27	26	\$2,300	\$3,229,000
2B - 34	Ramps E/W-S and S-E/W	Boat Section	800	Length	\$30,000	\$24,000,000
2B - 42	Cabana Road West Underpass	Two Spans Bridge	25+25	24.6	\$2,200	\$2,706,000
2B - 43	Ramps N-E/W and E/W-N	Boat Section	400	Length	\$30,000	\$12,000,000
2B - 51	Grand Marais Road West / Lambton Underpass	Two Spans Bridge	30+30	24.6	\$2,200	\$3,247,000
2B - 52	Hwy 401 Ramps N-S & S-N	Deeper Boat Section	500	Length	\$65,000	\$32,500,000
2B - 62	Huron Church Line Ramp N-S Underpass	Two Spans Bridge	30+40	12.05	\$2,200	\$1,856,000
2B - 63	Spring Garden Road Underpass	Two Spans Bridge	22+22	15.6	\$2,100	\$1,441,000
2B - 64	Approach Ramp of Hwy 401 near Spring Garden Road	Deepr Boat Section	400	Length	\$30,000	\$12,000,000
2B - 90	Malden Road Overpass	Single Span Bridge	35	36.35	\$2,000	\$2,545,000
2B - 91	Ramp W-E Underpass	Two Spans Bridge	45+45	9.3	\$2,100	\$1,758,000
2B - 92	Matchette Road Overpass	Single Span Bridge	40	36.35	\$2,000	\$2,908,000
2B - 93	Ojibway / ETR Overpass	Three Spans Bridge	34+34+45	36.35	\$2,500	\$10,269,000
2B - 94	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge	44	12.05	\$2,000	\$1,060,000
2B - 95	Ramp E-W at ETR Overpass	Single Span Bridge	30	12.05	\$2,500	\$904,000
2B - 201	Below Grade Hwy 401 bet.Howard Avenue & Montgomery Dr.	Boat Section	200	Length	\$45,000	\$9,000,000
2B - 202	Below Grade Hwy 401 with S.C.L.bet.Howard Avenue & Montgomery Dr.	Boat Section	250	Length	\$45,000	\$11,250,000
2B - 203	Below Grade Hwy 401 at East of Montgomery Drive	Boat Section	325	Length	\$45,000	\$14,625,000
2B - 204	Below Grade Hwy 401 bet.Montgomery Dr. & Cousineau Road	Boat Section	800	Length	\$45,000	\$36,000,000
2B - 211	Below Grade Hwy 401 bet.Cousineau Road & Huron Church Line	Boat Section	1500	Length	\$45,000	\$67,500,000
2B - 212	Below Grade Hwy 401 with Ramps at East of Huron Church Line	Boat Section	150	Length	\$45,000	\$6,750,000
2B - 213	Below Grade Hwy 401 with Ramps at West of Huron Church Line	Boat Section	50	Length	\$45,000	\$2,250,000
2B - 214	Below Grade Hwy 401 bet.Huron Church Line & Cabana Road West/Todd Lane	Boat Section	400	Length	\$45,000	\$18,000,000
2B - 221	Below Grade Hwy 401 at West of Cabana Road West / Todd Lane	Deepr Boat Section	100	Length	\$65,000	\$6,500,000
2B - 222	Below Grade Hwy 401 with Ramps bet.Cabana Rd.West & Pulford St.	Boat Section	300	Length	\$65,000	\$19,500,000

**Table "2B": Alignment Alternative "2B" Practical
Below Grade Freeway Parallel to Hwy 3 Corridor (Huron Church Road)**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
2B - 223	Below Grade Hwy 401 at East of Grand Marais Road West	Boat Section	800	Length	\$75,000	\$60,000,000
2B - 224	Hwy 401 in Tunnel under Turkey Creek	Cut & Cover Tunnel	100	Length	\$222,000	\$22,200,000
2B - 231	Below Grade Hwy 401 at West of Grand Marais Road West	Boat Section	150	Length	\$65,000	\$9,750,000
2B - 232	Below Grade Hwy 401 with Ramp N-S at West of Grand Marais Road West	Boat Section	150	Length	\$65,000	\$9,750,000
2B - 233	Below Grade Hwy 401 at West of Grand Marais Road West	Boat Section	150	Length	\$65,000	\$9,750,000
2B - 234	Below Grade Hwy 401 with Ramp S-N at West of Grand Marais Rd.West	Boat Section	100	Length	\$65,000	\$6,500,000
2B - 235	Below Grade Hwy 401 at South of Huron Church Road	Boat Section	175	Length	\$65,000	\$11,375,000
2B - 110	Cahill Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2B - 120	Secondary Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2B - 130	Lennon Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2B - 140	Marentette Mangin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2B - 150	Basin Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
2B - 160	Titcombe Drain Culvert	Culvert	1	Nos.	\$300,000	\$300,000
TOTAL COST						\$492,719,000
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Hwy Costs.</p>						

Appendix D.5

Table 3 for Alternative 3

**Table "3": Alignment Alternative "3" Practical - Wider Tunnel Option (Incorporating RWDI Comments)
Hwy 401 Along Hwy 3 Corridor (Huron Church Road) with at Grade Service Roads**

Structure I.D.	Structure Name	Structure Type	Length (M)	Width (M)	Unit Cost	Cost (\$)
3 - 5	North Talbot Road Underpass	Two Spans Bridge	31+31	15.6	\$2,100	\$2,031,000
3 - 10	Hwy 3 WB Underpass	Three Spans Bridge	42+26+23	12.55	\$2,100	\$2,398,000
3 - 11	Ramp W-E Underpass	Single Span Bridge	36	12.05	\$2,100	\$911,000
3 - 12	Hwy 401 Ramp E-N/S Overpass	Single Span Bridge	39	12.05	\$2,100	\$987,000
3 - 13	Approach Ramp E-W at East of Howard Avenue	Deeper Boat Section	425	Length	\$45,000	\$19,125,000
3 - 20	Approach Ramp of Hwy 401 at East of Howard Avenue	Deeper Boat Section	750	Length	\$45,000	\$33,750,000
3 - 25	Ramp E-W Tunnel (Narrow)	Cut and Cover Tunnel	75	Length	\$90,000	\$6,750,000
3 - 30	Ramps E-W and W-E	Deeper Boat Section	500	Length	\$45,000	\$22,500,000
3 - 35	Ramp E-W and W-E Tunnels (Narrow)	Cut and Cover Tunnels	225	Length	\$75,000	\$16,875,000
3 - 40	Approach Ramps E-W and W-E	Deeper Boat Section	500	Length	\$45,000	\$22,500,000
3 - 45	Ramp E-W and W-E Tunnels (Narrow)	Cut and Cover Tunnels	275	Length	\$75,000	\$20,625,000
3 - 55	Turkey Creek Bridge for Service Roads (incl.staged const.,temp.bridge etc)	Single Span Bridge	28	24.1	\$9,000	\$6,073,000
3 - 60	Approach Ramps S-N & N-S	Deeper Boat Section	425	Length	\$65,000	\$27,625,000
3 - 65	Ramp S-N & N-S Tunnels (Narrow)	Deeper Cut & Cover Tunnels	350	Length	\$135,000	\$47,250,000
3 - 70	Approach Ramp of Hwy 401 near EC ROW Parkway	Deeper Boat Section	400	Length	\$45,000	\$18,000,000
3 - 90	Malden Road Overpass	Single Span Bridge	35	36.35	\$2,000	\$2,545,000
3 - 91	Ramp W-E Underpass	Two Spans Bridge	45+45	9.3	\$2,100	\$1,758,000
3 - 92	Matchette Road Overpass	Single Span Bridge	40	36.35	\$2,000	\$2,908,000
3 - 93	Ojibway / ETR Overpass	Three Spans Bridge	34+34+45	36.35	\$2,500	\$10,269,000
3 - 94	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge	44	12.05	\$2,000	\$1,060,000
3 - 95	Ramp E-W at ETR Overpass	Single Span Bridge	30	12.05	\$2,500	\$904,000
3 - 301	Hwy 401 Tunnel from East to West of Howard Avenue	Cut and Cover Tunnel	175	Length	\$255,000	\$44,625,000
3 - 302	Hwy 401 Tunnel between Howard Avenue & Cousineau Road	Cut and Cover Tunnel	1175	Length	\$215,000	\$252,625,000
3 - 303	Hwy 401 Tunnel at East of Cousineau Road	Cut and Cover Tunnel	175	Length	\$255,000	\$44,625,000
3 - 311	Hwy 401 Tunnel at West of Cousineau Road	Cut and Cover Tunnel	1450	Length	\$215,000	\$311,750,000
3 - 312	Hwy 401 Tunnel at West of Huron Church Line	Cut and Cover Tunnel	200	Length	\$255,000	\$51,000,000
3 - 313	Hwy 401 Tunnel at East of Cabana Road West/Todd Lane	Cut and Cover Tunnel	500	Length	\$215,000	\$107,500,000
3 - 321	Hwy 401 Tunnel at West of Cabana Road West/Todd Lane	Cut and Cover Tunnel	950	Length	\$215,000	\$204,250,000
3 - 322	Hwy 401 Tunnel below Turkey Creek (includes temp.diversions,staged construction)	Deeper Tunnel	300	Length	\$265,000	\$79,500,000
3 - 323	Hwy 401 Tunnel at East of Grand Marais Road West	Cut and Cover Tunnel	150	Length	\$255,000	\$38,250,000
3 - 331	Hwy 401 Tunnel at West of Grand Marais Road West	Cut and Cover Tunnel	1000	Length	\$215,000	\$215,000,000
TOTAL COST						\$1,617,469,000
Tunnel Cost						\$1,349,125,000
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Hwy Costs.</p>						

Appendix D.6

Table for The Parkway

Table: The Parkway
Below Grade Freeway Parallel to Hwy 3 Huron Church Road Corridor

Structure I.D.	Structure Name	Structure Type	CassionWall Type	Length (M)	Width (M)	Unit Cost (\$)	Cost (\$)
Bridges							
BR - 1	North Talbot Road Underpass	Two Spans Bridge		31+31	15.6	\$2,350	\$2,273,000
BR - 2	Ramp E-E/W Underpass	Four Spans Bridge		16+30+23+16	9.3	\$2,300	\$1,818,000
BR - 3	Hwy 3 Underpass at East of Howard Avenue	Four Spans Bridge		18+24+20+18	24.05	\$2,000	\$3,848,000
BR - 4	Howard Avenue Underpass	Four Spans Bridge		19+30+30+21	24.6	\$2,100	\$5,166,000
BR - 5	Hwy 3 Underpass near Montgomery Street	Four Spans Bridge		20+48+48+20	24.05	\$2,300	\$7,523,000
BR - 6	Hwy 3 Underpass at East of Cahill Drain	Four Spans Bridge		30+47+50+30	11.55	\$2,300	\$4,171,000
BR - 7	Hwy 3 EB Underpass Crossing at East of Huron Church Line	Four Spans Bridge		30+47+40+30	11.55	\$2,300	\$3,905,000
BR - 8	Highway 3 Overpass at West of Reddock Street	Single Span Bridge		19	24.55	\$2,300	\$1,073,000
BR - 9	Hwy 3 Underpass at West of Grand Marais Road West	Five Spans Bridge		20+34+35+31+20	11.55	\$2,300	\$3,719,000
BR - 10	Malden Road Overpass	Single Span Bridge		35	40.85	\$2,000	\$2,860,000
BR - 11	Ramp W-E Underpass	Two Spans Bridge		47.5+47.5	9.3	\$2,100	\$1,855,000
BR - 12	Matchette Road Overpass	Single Span Bridge		40	40.85	\$2,000	\$3,268,000
BR - 13	Ojibway / ETR Overpass	Three Spans Bridge		34+34+45	43.55	\$2,500	\$12,303,000
BR - 14	Ramp E-W at Ojibway Parkway Overpass	Single Span Bridge		44	12.05	\$2,000	\$1,060,000
BR - 15	Ramp E-W at ETR Overpass	Single Span Bridge		30	12.05	\$2,500	\$904,000
	<u>Sub-Total : Bridges</u>						\$55,746,000

Table: The Parkway
Below Grade Freeway Parallel to Hwy 3 Huron Church Road Corridor

Structure I.D.	Structure Name	Structure Type	CassionWall Type	Length (M)	Width (M)	Unit Cost (\$)	Cost (\$)
Trail Bridges							
TB - 1	Trail Bridge Above Hwy 3 at West of Howard Avenue	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 2	Deleted						
TB - 3	Trail Bridge Above Hwy 3 at West of Cousineau Road	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 4	Trail Bridge Above Cousineau Road at South of Hwy 401	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 5	Trail Bridge Above St. Clair College Road	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 6	Trail Bridge Above Hwy 3 at West of St. Clair College Road	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 7	Trail Bridge Above Hwy 3 at East of Huron Church Line	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 8	Trail Bridge Above Huron Church Line	Single Span Bridge		25	4.6	\$2,400	\$276,000
TB - 9	Trail Bridge Above Hwy 3 at South of Cabana Road West	Single Span Bridge		33	4.6	\$2,200	\$334,000
TB - 10	Trail Bridge Above Cabana Road West	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 11	Trail Bridge Above Hwy 401 EB Lane Ramps at South of Reddock St.	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 12	Trail Bridge Above Pulford Street	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 13	Trail Bridge Above Hwy 3 at North of Pulford Street	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 14	Trail Bridge Above Hwy 3 at East of Grand Marais Road West	Single Span Bridge		26	4.6	\$2,400	\$287,000
TB - 15	Trail Bridge Above Grand Marais Road West at East of Hwy 401	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 16	Deleted						
TB - 17	Trail Bridge Above Hwy 3 at South of Labelle Street	Single Span Bridge		19	4.6	\$2,400	\$210,000
TB - 18	Trail Bridge Above Bethlehem Avenue	Single Span Bridge		19	4.6	\$2,400	\$210,000
TB - 19	Trail Bridge Above EB Hwy 3 at East of Bethlehem Avenue	Single Span Bridge		17	4.6	\$2,400	\$188,000
TB - 20	Trail Bridge Above Howard Avenue at South of Hwy 401	Single Span Bridge		22	4.6	\$2,400	\$243,000
TB - 21	Trail Bridge Above Laurier Parkway Connection at South of Hwy 3	Single Span Bridge		26	4.6	\$2,400	\$287,000
	<u>Sub-Total : Trail Bridges</u>						\$4,972,000
Turkey Creek Crossing							
TCC - 1	Turkey Creek Box Culvert with Hwy 401 above	Three Cell Box Culvert		140	Length	\$120,000	\$16,800,000
	<u>Sub-Total : Turkey Creek Culvert</u>						\$16,800,000

Table: The Parkway
Below Grade Freeway Parallel to Hwy 3 Huron Church Road Corridor

Structure I.D.	Structure Name	Structure Type	CassionWall Type	Length (M)	Width (M)	Unit Cost (\$)	Cost (\$)
Tunnels							
ST - 1 (A)	Tunnel at West of Howard Avenue Underpass (East side)	Three Spans Bridge		19+21+23	80	\$2,500	\$12,600,000
ST - 1 (B)	Tunnel at West of Howard Avenue Underpass (West side)	Two Spans Bridge		20+23	160	\$2,500	\$17,200,000
ST - 2 (A)	Tunnel at Hearhwood (East side)	Three Spans Bridge		38+33+30	165	\$2,100	\$34,997,000
ST - 2 (B)	Tunnel at Hearhwood (West side)	Two Spans Bridge		38+33	55	\$2,100	\$8,201,000
ST - 3 (A)	Tunnel at Cousineau Road / Sandwich Parkway (East side)	Two Spans Bridge		34+34	50	\$2,000	\$6,800,000
ST - 3 (B)	Tunnel at Cousineau Road / Sandwich Parkway (West side)	Two Spans Bridge		34+34	70	\$2,400	\$11,424,000
ST - 4 (A)	Tunnel at St. Clair College Road (East side)	Two Spans Bridge		31+31	51	\$2,000	\$6,324,000
ST - 4 (B)	Tunnel at St. Clair College Road (Middle)	Two Spans Bridge		31+31	22.05	\$2,000	\$2,734,000
ST - 4 (C)	Tunnel at St. Clair College Road (West side)	Two Spans Bridge		31+31	47	\$2,400	\$6,994,000
ST - 5 (A)	Tunnel at Huron Church Line (East side)	Four Spans Bridge		14+22+22+14	60	\$2,500	\$10,800,000
ST - 5 (B)	Tunnel at Huron Church Line (Middle)	Four Spans Bridge		14+22+22+14	45	\$2,100	\$6,804,000
ST - 5 (C)	Tunnel at Huron Church Line (West side)	Four Spans Bridge		14+22+22+14	140	\$2,100	\$21,168,000
ST - 6 (A)	Tunnel at Cabana Road West (East side)	Two Spans Bridge		32+36	71	\$2,400	\$11,587,000
ST - 6 (B)	Tunnel at Cabana Road West (Middle)	Two Spans Bridge		32+36	28	\$2,000	\$3,808,000
ST - 6 (C)	Tunnel at Cabana Road West (West side)	Two Spans Bridge		32+36	15	\$2,000	\$2,040,000
ST - 7	Tunnel at Reddock Street	Three Spans Bridge		40+40+34	120	\$2,100	\$28,728,000
ST - 8	Tunnel at Pulford Street	Two Spans Bridge		34+34	120	\$2,400	\$19,584,000
ST - 9 (A)	Tunnel at South of Grand Marais Road West (East side)	Two Spans Bridge		34+37	96	\$2,400	\$16,358,000
ST - 9 (B)	Tunnel at South of Grand Marais Road West (West side)	Two Spans Bridge		34+37	24.6	\$2,000	\$3,493,000
ST - 10 (A)	Tunnel at South of Labelle Street (East side)	Two Spans Bridge		30+30	107	\$2,000	\$12,840,000
ST - 10 (B)	Tunnel at South of Labelle Street (Middle)	Two Spans Bridge		30+30	105	\$2,400	\$15,120,000
ST - 10 (C)	Tunnel at South of Labelle Street (West side)	Two Spans Bridge		30+30	32	\$2,400	\$4,608,000
ST - 11	Tunnel near E.C. ROW Expressway	Two Spans Bridge		30+30	200	\$2,000	\$24,000,000
	Sub-Total : Short Tunnels						\$288,212,000

Table: The Parkway
Below Grade Freeway Parallel to Hwy 3 Huron Church Road Corridor

Structure I.D.	Structure Name	Structure Type	CassionWall Type	Length (M)	Width (M)	Unit Cost (\$)	Cost (\$)
Retaining Walls							
RW - 1	Below Grade Hwy 401at West of Ramp E-E/W (South Side - S)	C.W. with Open Cut	D	230	Length	\$27,000	\$6,210,000
RW - 2	Below Grade Hwy 401at West of Ramp E-E/W (North Side - N)	C.W. with Open Cut	D	170	Length	\$27,000	\$4,590,000
RW - 3	Approach Ramp of Hwy 3 S-W Bullnose Entrance (East Side - E)	C.W. with Open Cut	D	75	Length	\$27,000	\$2,025,000
RW - 4	Below Grade Hwy 401at East of Hwy 3 Crossing (N)	C.W. with Open Cut	D	130	Length	\$27,000	\$3,510,000
RW - 5A	Below Grade Hwy 401with Hwy 3 EB Ramp at East of Howard Avenue (West Side)	C.W. with Open Cut	D	150	Length	\$27,000	\$4,050,000
RW - 5B	Below Grade Hwy 401with Hwy 3 EB Ramp at East of Howard Avenue (East Side)	C.W. with Open Cut	D	150	Length	\$27,000	\$4,050,000
RW - 6	Hwy 3 EB Ramp at East of Howard Avenue (N)	C.W. with Open Cut	D	150	Length	\$27,000	\$4,050,000
RW - 7	Below Garde Hwy 401 at East of Howard Avenue (N)	C.W. with Open Cut	D	295	Length	\$27,000	\$7,965,000
RW - 8	Below Grade Hwy 401 at West of Howard Avenue (S)	Full Height C.W.	BS3	145	Length	\$32,500	\$4,712,500
RW - 9	Below Grade Hwy 401 at West of Howard Avenue (N)	C.W. with Open Cut	D	110	Length	\$27,000	\$2,970,000
RW - 10A	Below Grade Hwy 401 with EB lane of Hwy 3 at West of Howard Avenue (East Side)	C.W. with Open Cut	A	155	Length	\$31,000	\$4,805,000
RW - 10B	Below Grade Hwy 401 with EB lane of Hwy 3 at West of Howard Avenue (West Side)	C.W. with Open Cut	A	150	Length	\$31,000	\$4,650,000
RW - 11	Approach Ramp of EB Lane of Hwy 3 at East of Montgomery Drive (N)	C.W. with Open Cut	A	150	Length	\$31,000	\$4,650,000
RW - 12	Below Grade Hwy 401 at East of Montgomery Drive (N)	C.W. with Open Cut	A	230	Length	\$31,000	\$7,130,000
RW - 13	Below Grade Hwy 401 at East of Hearthwood Short Tunnel (S)	C.W. with Open Cut	A	425	Length	\$31,000	\$13,175,000
RW - 14	Approach Ramp of Hwy 3 WB Lane Near Montgomery Drive (S)	C.W. with Open Cut	A	225	Length	\$31,000	\$6,975,000
RW - 15A	Below Grade Hwy 401 at East of Hearthwood Short Tunnel (West Side)	C.W. with Open Cut	A	275	Length	\$31,000	\$8,525,000
RW - 15B	Below Grade Hwy 401 at East of Hearthwood Short Tunnel (East Side)	C.W. with Open Cut	A	225	Length	\$31,000	\$6,975,000
RW - 16	Ramp of Hwy 3 at East of Hearthwood Short Tunnel (S)	Full Height C.W.	BS1	200	Length	\$15,000	\$3,000,000
RW - 17	Ramp of Hwy 3 at West of Hearthwood Short Tunnel (S)	Full Height C.W.	BS1	240	Length	\$15,000	\$3,600,000
RW - 18	Below Grade Hwy 401 at East of Cousineau Road (S)	C.W. with Open Cut	D	210	Length	\$27,000	\$5,670,000
RW - 19	Below Grade Hwy 401 at East of Cousineau Road (N)	C.W. with Open Cut	D	210	Length	\$27,000	\$5,670,000
RW - 20	Below Grade Hwy 401 between Cousineau Road & St.Clair College (S)	C.W. with Open Cut	C	390	Length	\$32,500	\$12,675,000
RW - 21	Below Grade Hwy 401 between Cousineau Road & St.Clair College (N)	C.W. with Open Cut	C	390	Length	\$32,500	\$12,675,000
RW - 22	Below Grade Hwy 401 with WB Ramp at west of St.Clair College (S)	C.W. with Open Cut	C	135	Length	\$32,500	\$4,387,500
RW - 23	WB Lane Ramp at West of St.Clair College (S)	C.W. with Open Cut	E	210	Length	\$18,000	\$3,780,000
RW - 24	WB Lane Ramp at West of St.Clair College (N)	C.W. with Open Cut	E	245	Length	\$18,000	\$4,410,000
RW - 25	EB Lane Ramp at West of Cahill Drain Crossing (S)	C.W. with Open Cut	E	180	Length	\$18,000	\$3,240,000
RW - 26	EB Lane Ramp at West of Cahill Drain Crossing (N)	C.W. with Open Cut	E	150	Length	\$18,000	\$2,700,000
RW - 27	Below Grade Hwy 401 between Huron Church Line and Cahill Drain (S)	C.W. with Open Cut	A	300	Length	\$31,000	\$9,300,000
RW - 28	Below Grade Hwy 401 between Huron Church Line and Cahill Drain (N)	C.W. with Open Cut	A	480	Length	\$31,000	\$14,880,000
RW - 29	EB Lane Ramp at East of Huron Church Line (S)	Full Height C.W.	BS1	240	Length	\$15,000	\$3,600,000
RW - 30	EB Lane Ramp at East of Huron Church Line (N)	Full Height C.W.	BS1	140	Length	\$15,000	\$2,100,000
RW - 31	Below Grade Hwy 401 at West of Huron Church Line (N)	C.W. with Open Cut	A	130	Length	\$31,000	\$4,030,000
RW - 32	Below Grade Hwy 401 at West of Huron Church Line (S)	C.W. with Open Cut	A	265	Length	\$31,000	\$8,215,000

Table: The Parkway
Below Grade Freeway Parallel to Hwy 3 Huron Church Road Corridor

Structure I.D.	Structure Name	Structure Type	CassionWall Type	Length (M)	Width (M)	Unit Cost (\$)	Cost (\$)
Retaining Walls (Continued)							
RW - 33	Below Grade Hwy 401 at West of Huron Church Line (N)	C.W. with Open Cut	B	245	Length	\$29,500	\$7,227,500
RW - 34	EB Lane Ramp From Todd Lane to Hwy 401 EB (S)	Full Height C.W.	BS1	180	Length	\$15,000	\$2,700,000
RW - 35	EB Lane Ramp at South of Reddock St. Short Tunnel (S)	Full Height C.W.	BS1	180	Length	\$15,000	\$2,700,000
RW - 36	Below Grade Hwy 401 at South of Reddock St. Short Tunnel (S)	C.W. with Open Cut	B	185	Length	\$29,500	\$5,457,500
RW - 37	Below Grade Hwy 401 at North of Cabana Road West / Todd Lane	C.W. with Open Cut	B	265	Length	\$29,500	\$7,817,500
RW - 38	Ramp of Hwy 3 at South of Reddock Street Short Tunnel (N)	Full Height C.W.	BS1	200	Length	\$15,000	\$3,000,000
RW - 39	Below Grade Hwy 401 at North of Reddock St. Short Tunnel (S)	C.W. with Open Cut	B	310	Length	\$29,500	\$9,145,000
RW - 40	Below Grade Hwy 401 at North of Reddock St. Short Tunnel (N)	C.W. with Open Cut	B	265	Length	\$29,500	\$7,817,500
RW - 41	Ramp of WB Lane of Hwy 3 at South of Pulford St. (N)	C.W. with Open Cut	B	110	Length	\$29,500	\$3,245,000
RW - 42	Ramp of Hwy 3 at North of Reddock Street Short Tunnel (N)	Full Height C.W.	BS1	140	Length	\$15,000	\$2,100,000
RW - 43	Ramp of WB Lane of Hwy 3 at North of Reddock St. Short Tunnel (N)	C.W. with Open Cut	B	155	Length	\$29,500	\$4,572,500
RW - 44	EB Lane Ramp at North of Grand Marais Road West (S)	Full Height C.W.	BS1	260	Length	\$15,000	\$3,900,000
RW - 45	Below Grade Hwy 401 at North of Grand Marais Road West (S)	C.W. with Open Cut	B	150	Length	\$29,500	\$4,425,000
RW - 46	Below Grade Hwy 401 at North of Grand Marais Road West (N)	C.W. with Open Cut	B	120	Length	\$29,500	\$3,540,000
RW - 47	Below Grade Hwy 401 at South of Labelle St.	C.W. with Open Cut	B	165	Length	\$29,500	\$4,867,500
RW - 48	Below Grade Hwy 401 at North of Hwy 3 Crossing at South of Labelle St.	C.W. with Open Cut	B	220	Length	\$29,500	\$6,490,000
RW - 49	WB Lane Ramp at South of Labelle Street	Full Height C.W.	BS1	80	Length	\$15,000	\$1,200,000
RW - 50	Below Grade Hwy 401at North of Labelle Street (S)	C.W. with Open Cut	B	200	Length	\$29,500	\$5,900,000
RW - 51	Below Grade Hwy 401at North of Labelle Street (N)	C.W. with Open Cut	B	200	Length	\$29,500	\$5,900,000
RW - 52	Hwy 401 Ramp at West of Short Tunnel near E.C.ROW Expressway (S)	Full Height C.W.	BS1	150	Length	\$15,000	\$2,250,000
RW - 53	Hwy 401 Ramp at West of Short Tunnel near E.C.ROW Expressway (N)	Full Height C.W.	BS1	150	Length	\$15,000	\$2,250,000
	Sub-Total : Retaining Walls						\$301,455,000
Culverts							
CV - 1	Culvert at West of Howard Avenue	Twin Cell Box Culvert		15	Length	\$35,000	\$525,000
CV - 2	Culvert at North of Hearthwood	Twin Cell Box Culvert		40	Length	\$35,000	\$1,400,000
CV - 3	Culvert under Cousineau Road	Twin Cell Box Culvert		70	Length	\$35,000	\$2,450,000
CV - 4	Culvert under St. Clair College Road	Twin Cell Box Culvert		65	Length	\$35,000	\$2,275,000
	Sub-Total : Culverts						\$6,650,000
	TOTAL COST OF ALL STRUCTURES						\$673,835,000
<p>Note: Above Costs include only Structural Costs. These costs do not include Roadwork, Earthwork, Road & Traffic Diversions, Roadway Protection etc; which are included in the Hwy Costs.</p>							