

Appendix “E”- Preliminary Cost Estimates

Table 5 – Summary of Sanitary Sewer Route Options – Preliminary Costs

Table 6 – Preferred Route to Outlet “H” – Preliminary Costs



Table 5.0

**Conestoga College and Blair Business Park EA
SUMMARY OF SANITARY SEWER ROUTE OPTIONS
PRELIMINARY COST ESTIMATE**

By: DLG & DJW DATE: UPDATED October 5, 2009

Item	Description	Estimated Cost	25% Engineering & Contingency	TOTAL COST
A	OUTLET A - Old Mill Rd. at Conestoga College Blvd.			
A - 3	OUTLET A - Trenchless under Hwy. 401	\$6,525,000	\$1,631,250	\$8,156,250
A - 4	OUTLET A - Pedestrian Bridge over Hwy.401	\$5,853,500	\$1,463,375	\$7,316,875
A - 5	OUTLET A - Grand River Bridge under Hwy.401	\$5,922,500	\$1,480,625	\$7,403,125
B	OUTLET B - Homer Watson Blvd. at Conestoga College Blvd.			
B - 1	OUTLET B - Homer Watson Bridge under Hwy. 401	\$7,150,100	\$1,787,525	\$8,937,625
B - 2	OUTLET B - Through Ex. Culvert under Hwy. 401	\$7,119,600	\$1,779,900	\$8,899,500
C	OUTLET C - Pinnacle Dr. at Homer Watson Blvd.			
C - 1	OUTLET C - Homer Watson Bridge over Hwy.401	\$6,206,500	\$1,551,625	\$7,758,125
C - 2	OUTLET C - Through Ex. Culvert under Hwy. 401	\$6,191,000	\$1,547,750	\$7,738,750
D	OUTLET D - Homer Watson S.P.S			
D - 1	OUTLET D - Homer Watson Bridge over Hwy. 401	\$7,206,000	\$1,801,500	\$9,007,500
D - 2	OUTLET D - Through Ex. Culvert under Hwy. 401	\$7,281,500	\$1,820,375	\$9,101,875
E	OUTLET E - Old Carriage Dr. at Homer Watson Blvd.			
E - 1	OUTLET E - Homer Watson Bridge over Hwy. 401	\$4,942,000	\$1,235,500	\$6,177,500
E - 2	OUTLET E - Through Ex. Culver under Hwy. 401	\$5,017,500	\$1,254,375	\$6,271,875
F	OUTLET F - Sanitary Trunk Line at Homer Watson Blvd.			
F - 1	OUTLET F - Homer Watson Bridge over Hwy. 401	\$4,837,000	\$1,209,250	\$6,046,250
F - 2	OUTLET F - Through Ex. Culvert under Hwy. 401	\$4,912,500	\$1,228,125	\$6,140,625
G	OUTLET G - Old Mill S.P.S.			
G - 1	OUTLET G - Homer Watson Bridge over Hwy. 401	\$5,246,500	\$1,311,625	\$6,558,125
G - 2	OUTLET G - Through Ex. Culvert under Hwy. 401	\$4,443,500	\$1,110,875	\$5,554,375
G - 3	OUTLET G - Trenchless under Hwy. 401	\$5,338,500	\$1,334,625	\$6,673,125
G - 4	OUTLET G - Pedestrian Bridge over Hwy. 401	\$4,821,000	\$1,205,250	\$6,026,250
G - 5	OUTLET G - Grand River Bridge over Hwy. 401	\$4,906,500	\$1,226,625	\$6,133,125
H	OUTLET H - Direct to Kitchener W.W.T.P.			
H - 1	OUTLET H - Homer Watson Bridge over Hwy. 401	\$4,246,500	\$1,061,625	\$5,308,125
H - 2	OUTLET H - Through Ex. Culvert under Hwy. 401	\$3,443,500	\$860,875	\$4,304,375
H - 3	OUTLET H - Trenchless under Hwy. 401	\$4,763,500	\$1,190,875	\$5,954,375
H - 4	OUTLET H - Pedestrian Bridge over Hwy. 401	\$3,821,000	\$955,250	\$4,776,250
H - 5	OUTLET H - Grand River Bridge over Hwy. 401	\$3,906,500	\$976,625	\$4,883,125

Note: H - 3 is the Preferred Alternative

**MTE***More Than Engineering***Table 6.0****Conestoga College and Blair Business Park EA
PREFERRED ROUTE TO OUTLET "H"
PRELIMINARY COST ESTIMATE**

By: DLG & DJW DATE: Updated September 30, 2009

H - 3	OUTLET H - TRENCHLESS				
H - 3 - 1	Fountain St. Gravity Sewer	750	L.m.	\$610	\$457,500
H - 3 - 2	Fountain St. Creek Crossing	30	L.m.	\$3,000	\$90,000
H - 3 - 3	Proposed Sanitary SPS	1	Ea.	\$1,750,000	\$1,750,000
H - 3 - 4	Forcemain from SPS to HWY 401	790	L.m.	\$550	\$434,500
H - 3 - 5	Forcemain to Crossing Location	290	L.m.	\$150	\$43,500
H - 3 - 6	Trenchless under HWY 401	120	L.m.	\$8,000	\$960,000
H - 3 - 7	Forcemain to Doon Valley Drive	270	L.m.	\$150	\$40,500
H - 3 - 8	Forcemain to Old Mill SPS	850	L.m.	\$550	\$467,500
H - 3 - 9	Forcemain to Schneider Creek	100	L.m.	\$400	\$40,000
H - 3 - 10	Schneider Creek Crossing	40	L.m.	\$2,500	\$100,000
H - 3 - 11	Forcemain to WWTP	800	L.m.	\$400	\$320,000
H - 3 - 12	Cleanout and Air Release Chambers	8	Ea.	\$5,000	\$40,000
H - 3 - 13	Connection with Ex. Sewer at WWTP	1	Ea.	\$20,000	\$20,000
Subtotal					\$4,763,500
25% Engineering & Contingency					\$1,190,875
TOTAL					\$5,954,375