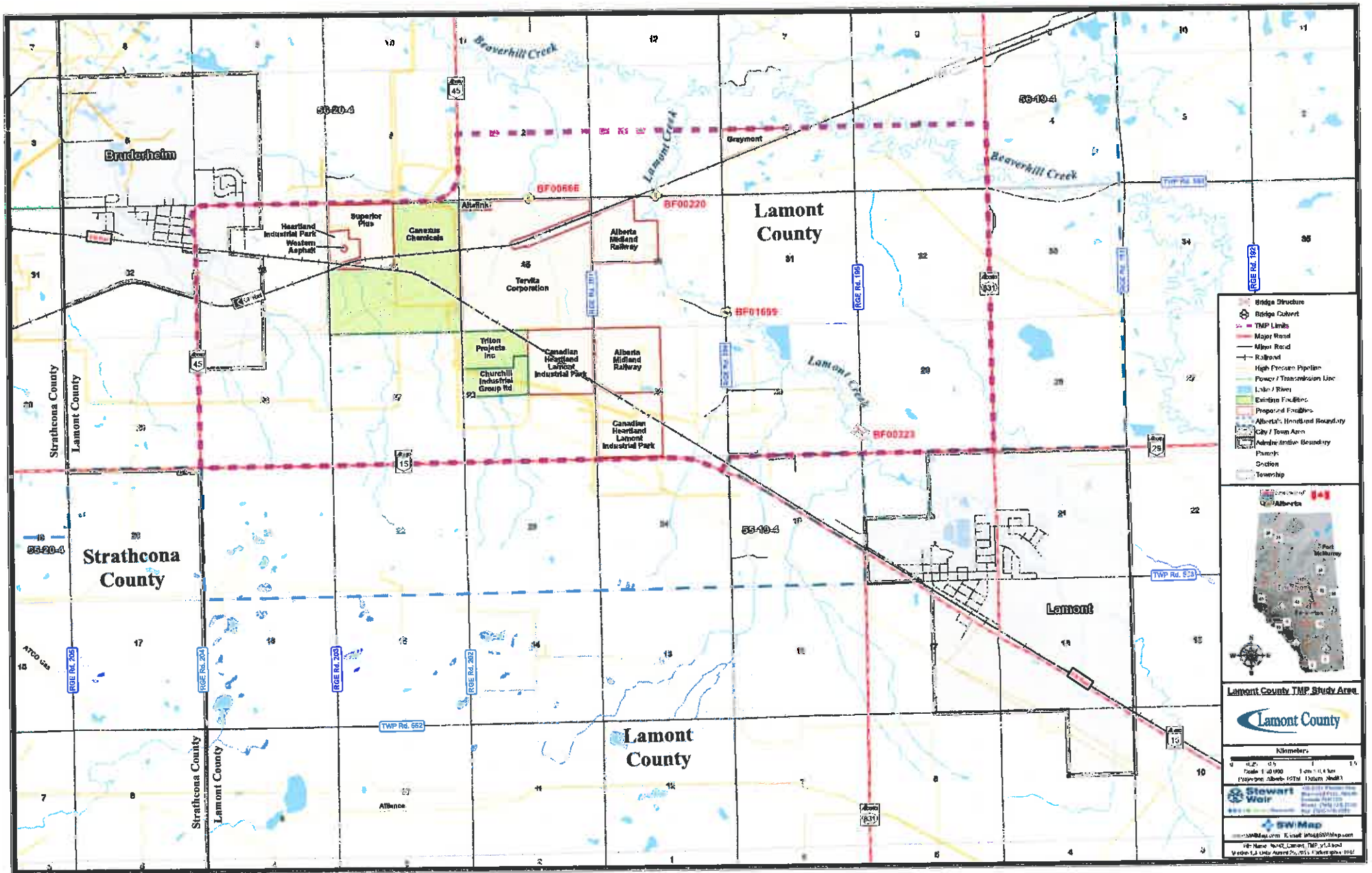

APPENDIX A – Study Area Map



APPENDIX B – Field Inspection Forms

Lamont County

Assessment Legends

ROAD;

Surface Type:

- 1 = paved
- 2 = base course
- 3 = oiled
- 4 = gravelled
- 5 = unimproved

Condition:

- 1 = Excellent (no failures)
- 2 = Good (few potholes)
- 3 = Fair (high # of soft areas)
- 4 = Poor

Sideslope:

- 1 = 5:1 minimum
- 2 = 4:1 to 5:1
- 3 = 3:1 to 4:1
- 4 = less than 3:1

Ditch:

- 1 = 2m or more (ditch bottom)
- 2 = less than 2m
- 3 = "V" Ditch

ANCILLARY;

Culverts:

Condition:

- 1 = Excellent (no rust)
- 2 = Good (surface rust)
- 3 = Fair (some flaking)
- 3 = Poor (major corrosion)

Drainage:

- 1 = Good (no standing water at either ends of culvert, flowing properly)
- 2 = Fair (standing water, but still flowing downstream)
- 3 = Poor (standing water, not flowing)

Guardrail:

Condition:

- 1 = Excellent (no rust/damage)
- 2 = Good (some rust/ minor damage)
- 3 = Fair (some rust penetration)
- 4 = Poor (major rust/damage)

Sign Type:

- 1 = Stop
- 2 = Stop Ahead
- 3R = Curve Rt
- 3L = Curve Lt
- 4 = Max Speed
- 5 = Advisory
- 6 = Checkerboard

Condition:

- 1 = Excellent
- 2 = Good (minor damage)
- 3 = Fair (legible/reflective)
- 3 = Poor (damaged/illegible)

Road Assessment

Odometer	Surface Type	Road Width (m)	Condition	Sideslope	Ditch	Hill grade	Horiz. S.D.	Comments
0.000								Rge. Rd. 195
0.100	4	7.5	2	3	1			Centreline of Hwy. 29
0.280		6.3						Drainage ditch left - 8 m width; Ditch right - 3 m width. (flows to BF). Photo 876.
0.500	4	8.2	2	3	1			Bridge File 00323. Photo's 879 & 890.
1.000	4	8.0	2	3	1			Drainage ditch right - 5 m width. (flows south to BF). Photo 881.
1.500	4	7.9	2	3	1			
1.650								Farm entrance right. Dry. Crest of hill.
2.000	4	8.2	2	3	1			
3.000	4	8.0	2	3	1			
3.330								Runoff coming from the east and flowing north. (photo 882).
3.500								Lt. ditch. Water not draining to the north. (photo 886). Rt. ditch flows N. to C/L CSP's.
3.825				4				Three centreline culverts. 1:1 sideslopes off shoulders. (photo's 883, 884, 885).
4.100								Three span conc. deck bridge. Three spans at 8.5 m each. Weathered asphalt and gravel on N. span (photo 907). Conc. Curb 0.6 m wide x 0.25 m height. (photo 908).
4.100		7.4						Upgraded R/R crossing. 11.0 m width, precast conc. Panels, asphalt aprons. (photo 911).
4.300								
								Rge. Rd. 200
0.000								Centreline of Hwy. 29
0.005	4							Entrance and turning radii are gravel up to existing paved shoulder of Hwy. 29.
0.230	4	7.5	1	2	1			New service road constructed parallel to Hwy 29 up to km 0.230
0.290								90 degree curve.
0.500	4	8.0	2	3	1			Second growth trees in ditch and back to property line. (photo 887).
1.020				4				Centreline culvert. No sideslopes and ends buried. (photos 888, 889).
1.200	3	6.2	2	3	1			Cold mix placed 1,200 to 1,400 for dust control farm left.
1.350								S.B. traffic - restricted site line for farm entrance (photo 890).
1.500	4	7.2	2	3	1			
1.550								Poor drainage Lt. (photo 891); and Rt. (photo 892).
2.000		7.1		4				BF 01699 Entrance 40m S.W. Crest curve to N. Limited sight distance.
2.000								Outlet scoured. Sideslope undermined 1.5m back from bevel. (photo 896).
2.250								Crest of hill. Restricted site line for fld. ent. right.
2.350								Crest of hill. Restricted site line for fld. ent. left.
2.990								Poor drainage in east ditch. (photo 898).
3.150	4	7.5	2	3	1			Poor drainage in east ditch. (photo 899).
3.900						0	good	Rail road crossing. 10 m width planks. (photo 904).
4.100	4	6.3	2	3	1			Left ditch flow restricted with second growth trees and willows, B.O.D. to property.

Project # Ed55-36342

Road Description:

Twp. Rd. 560

Date: 02-May-13

Page 4 of 4

Road Assessment

Odometer	Surface Type	Road Width (m)	Condition	Sideslope	Ditch	Hill grade	Horiz. S.D.	Comments
								Twp. Rd. 560
-0.020								1000 dia. Centreline CSP indicates embankment settlement.
0.000								Centreline of Rge. Rd. 202
0.100	4	8.4	2	4	1			Slough in all 4 quadrants of intersection. (photo 945 looking west).
0.400								Power substation right. Dry entrances blocking drainage to the west. (photo 946).
0.490								Entrance left. Husky Oil. Dry. Blocking drainage to the west. (photo 947).
0.500	4	7.2	2	4	1			Some bush in right ditch bottom.
0.810	1							0.810 to 1.080 - Cold mix for school bus stop for Farm left at 0.900
0.890								BF 00666. Culvert located in bottom of sag. Limited site distance.
1.000	1	6.2	2	3	1			Cold mix.
1.100								No drainage in right ditch. (photo 948).
1.500	4	7.4	2	4	1			
1.550								Standing water and cat tails in right ditch. (photo 949 approaching Rge. Rd. 201).
1.630								Centreline of Rge. Rd. 201 CSP inlet in turning radius. (photo 950 looking west).
1.720								Standing water in both ditches. (photo 951).
2.000	4	7.0	3	4	1			Standing water both ditches.
2.010								Field entrance right. No culvert. Water in ditch continuous up to railroad. (photo 952).
2.190								Railroad crossing. Site distance restricted both sides. (photo 953).
2.420		6.6						BF 00220. Short sag/crest combination starting at pipe going east. Limited sight D.
2.500	4	7.3	3	3	1			
3.000	4	7.0	3	4	1			
3.290								Centreline Rge. Rd. 200
3.500	4	7.0	3	4	1			
3.510								Old field entrance left. Holding back drainage off field & going west. (photo 957).
4.000	4	7	3	3	1			
4.500	4	7.1	3	3	1			
4.930								Centreline Rge. Rd. 195
5.000	4	7	3	3	1			C/L CSP. Good water flow coming from the east in the south ditch.
5.190								Drainage channel coming off south field and flowing to the west.
5.500	4	7.1	3	3	1			Water backing up in south ditch. (photo 958 looking west).
6.250	4	7	3	3	1			
6.450								600 dia centreline CSP. Outlet at left shoulder. (photo 959).
6.600								Centreline of secondary highway 831.

Project # ED5536342

Road Description:

Rge. Rd. 195

Lamont County

Date: 02-May-13

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cond.	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
0.000								Rge. Rd. 195
0.015								Centreline Hwy. 29.
0.020						stop	1	60 x 60, 4x6" treated timber post.
0.020								E/W power line crossing.
0.250	1600 & 2000	1	good			info	1	Rge. Rd. 195 / Hwy. 29 on "T" post
0.280				7 m Lt. & Rt.	2	4 ea.	3	Farm entrance left.
0.300	500	1	good					Guard rail - two terminal ends damaged. Four checker board signs on "T" posts.
0.550								Field entrance right.
0.600						info	2	Right property line. - Sewer trunk line crossing (Town of Lamont).
0.700						info	2	Left property line. - Sewer trunk line crossing (Town of Lamont).
0.750						info	2	Two gas line crossings (Lamco gas Co-op). Power line crossing. Ent. Left - pump station
1.000						info	2	High pressure sweet oil pipeline. Husky Oil.
1.150	500	1	good			address	1	Farm entrance left. 554052 - Rge. Rd. 195.
1.850	300	1	good					Service road left. Husky Oil. Two powerline crossings.
2.475	500	1	good					Field entrance right.
2.485	500	1	good					Field entrance left.
2.500	500	1	good					Service road left. Husky Oil.
2.800								Redwater energy service road.
3.300						info	2	High pressure gas line crossing. Alta Gas.
3.300						info	1	Twp. Rd. 560 / Rge. Rd. 195 on "T" post.
3.550						yield	1	Signs Lt. & Rt. On "T" posts.
3.800						info	2	Oil pipeline crossing. Husky Oil.
3.820						info	2	Gas pipeline crossing. Lamco gas Co-op.
3.825	900, 900, 600	2	2			address	1	Farm entrance left. 560026 - Rge. Rd. 195.
3.900								Three centreline culverts, bottoms rusted, inlets damaged. 1:1 sideslopes.
4.100				28 m Lt. & Rt.	2	info	3	Powerline crossing.
								3 span bridge. Four checkerboards on 4x4" posts.
4.300						R/R	3	R/R crossing on 4x4" post (N.E. corner of bridge).
								Upgraded R/R crossing.

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cond.	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
								Rge. Rd. 200
0.000								Centreline Hwy. 29.
0.012						stop	1	Sign left. 60x60, 4x6" treated timber post. One delineator Lt. & Rt.
0.012						info	1	Hwy. 29 / Rge Rd. 200 right. "T" post.
0.020								E/W power line crossing.
0.025	800	1	1					Centreline culvert
0.035						info	1	"T" intersection. 1200x1200 checkerboard c/w arrows, 4x6" treated timber post.
0.035	800	1	1			address	1	East leg: Farm entrance, 554001 - Rge. Rd. 200
0.190						info	2	Gas pipeline crossing. Lamco Gas Co-Op.
0.230						info	1	Two checkerboards c/w arrow, 80x80, 4x6" treated timber posts.
0.420	500	2	1					Service road right, Husky Oil.
0.500						info	2	High pressure water line crossing, Husky Oil.
0.750						info	2	Two high pressure sweet oil pipelines, Husky Oil.
0.850						info	2	Two gas pipelines, Lamco Gas Co-op.
0.950	500	2	2					Entrance left, Elk Island Oil Battery. - Damaged ends.
1.010	500	2	1					Entrance right, Husky Oil.
1.030						address	1	Farm entrance right, 554043 - Rge. Rd. 200
1.020	500	3	3	(photos 888, 889)				Centreline culvert, no sideslopes, ends buried.(photo). Drainage ditch continues to the E.
1.260						info	2	Gas pipeline crossing. Lamco Gas Co-Op.
1.820	300	2	3					Field entrance right. Ends plugged.
1.830						info	3	School bus stop ahead right. "T" post, leaning over.
1.950	500	2	2					Field entrance left, Husky Oil. Flow restricted. (photos 893, 894)
2.000	200x2800	3	2					BF 01699 S.P.C.S.P. 2:1 sideslopes, 7.1 m roadtop, outlet scouring. (photos 895, 896)
2.180						address	1	Farm entrance left, 555018 - Rge. Rd. 200
2.500						info	2	Left. School bus stop 300 m. 80x80. Tab school bus stop ahead. 30x70. "T" post.
2.550	300		3					Field entrance right. Ends buried.
2.650	500	2	1					Entrance left, Husky Oil.
2.690	400	2	2			address	1	Farm entrance right, 555043 - Rge. Rd. 200, Ends damaged.
2.940						info	2	High pressure sweet oil pipeline, Husky oil.
2.990	?		3					Entrance left. Ends buried. Restricted flow. (photos 897, 898)
3.050	300	2	2					Field entrance right. Restricted flow. Photo 899
3.500	500	2	2			info	2	Twp. Rd. 560 intersection. Twp. Rd. 560 / Rge. Rd. 200. "T" post.
3.500	500	2	2			yield	2	West ditch, Restricted flow. (photo 901). Two yield signs Lt. & Rt. "T" posts
3.700	500	2	2					Entrance right, Echoex Ltd.
3.850	?		3					Field entrance left. (photo 902).
3.860	800	2	2					Field entrance right. (photo 903).
3.900	600	2	2			2 - X-ings	2	Railway crossing. 10 m width planks. Culvert along west ditch. (photos 904, 905).
4.000	?							Field entrance left. Restricted flow.
4.050						R/R X-ing	2	Left. Advance warning. "T" post. Turned and leaning over. (photo 906)
4.350						info	2	Waterline crossing. Brudorheim Water Co-op.
4.400	600	2	2					Field entrance right. Restricted flow.
4.500	?							Field entrance left. Pipe buried.
4.600	300	2	2			address	1	Farm entrance left, 560058 - Rge. Rd. 200

Project # ED5536342

Road Description:

Rge. Rd. 201

Lamont County

Date: 07-May-13

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cond.	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
								Rge. Rd. 201
0.000								Centrelleline Hwy. 15.
0.010								One delineator Lt. & Rt.
0.018						stop	1	Sign left, 60x60, 4x6" treated timber post.
0.018						info	1	Sign right. Hwy. 15 / Rge Rd. 200, "T" post.
0.025								Shaw and power transformer 8 m right.
0.100						info	2	High pressure gas pipeline crossing. Atco Pipelines.
0.375						info	2	Water pipeline crossing. Capital region, Vegreville corridor, water service commission.
0.600	300	2	1					Entrance left. Husky Oil. Ends damaged. 0.2 m cover. Embankment soft.
0.750						info	2	High pressure sweet oil pipeline. Husky oil.
0.750						info	2	High pressure salt water pipeline. Husky oil.
0.760						info	2	High pressure sweet oil pipeline. Husky oil.
0.880	300	2	2			address	1	Farm entrance right. Ends buried. 554045 - Rge. Rd. 201.
0.940	400	2	2					Access left. Husky Oil. Ends damaged. Flow normal.
0.950	900	2	2					West ditch under railroad. Two culverts. Second pipe buried. (photo 913).
1.280	600	2	2					Centrelleline culvert. Outlet flow restricted.
1.300						address	1	Farm entrance left. 554068 - Rge. Rd. 201.
1.380								Powerline crossing.
1.600	600	2	2					Entrance right. Husky Oil. Two culverts. Outlets 60% restricted. (photo 917)
1.680	400	2	3					Field entrance left. Both ends buried.
1.950	900	2	2					Centrelleline CSP. Ends damaged.
2.000						address	1	Farm entrance Right. 555019 - Rge. Rd. 201.
2.950	400	2	3					Field entrance right. 80% restricted flow.
3.020	800	2	3					Centrelleline culvert. (south ditch of R/R crossing). 75% flow restricted.
3.020	600	2	3					Centrelleline culvert. (north ditch of R/R crossing). Ends filled with silt & ballast. 50 % flow.
3.250						yield	2	Twp. Rd. 560 Intersection. Signs Lt. & Rt. On "T" posts
3.250						info	1	Twp. Rd. 560 / Rge. Rd. 201, on "T" post
3.250	600	3	2					Left ditch across 201. Culvert inlet damaged. - Inlet in turning radius. (photo 925).
3.320						info	2	Gas pipeline crossing. Lamco gas co-op, Lamont Alta.
3.450	400	2	1					Entrance left. Tamarack Acquisition Corp. Culvert installed too high. (photo 926).
3.700	600	2	2					Field entrance left. Flow restricted.
3.820	300	2	2					Field entrance right. Flow restricted.

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cond.	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
								Rge. Rd. 202
0.000								Centreline Hwy. 15.
0.023						stop	1	Stop sign left. 60x80, 4x6" post. One delineator L.L. & Rt.
0.023						info	1	Sign right. Hwy. 15 / Rge Rd. 200. "T" post.
0.035						info	2	Waterline crossing. Capital region water services commission, Vergeville corridor.
0.045								Temporary Slow Fresh Calcium Right. - ??? Left up from last fall. - Severe dust.
0.065						info	2	Soft Shoulder sign right. "T" post.
0.440						info	2	Sweet oil emulsion pipeline crossing. Husky Oil
0.440						info	2	High pressure oil pipeline. Husky Oil.
0.440						info	2	High pressure sweet natural gas pipeline. Husky Oil.
0.450	900	2	1					Field entrance left. CSP. Field entrance right. dry. Tamarack Valley Energy.
0.700	500	2	1			address	1	Farm entrance right. CSP. 554035 - Rge. Rd. 202. Telus monument left property line.
0.800	800	2	1					Field entrance left. CSP.
0.880						info	2	High pressure gas pipeline. Alco.
1.170						info	2	Oil pipeline crossing. Husky Oil.
1.220	800	2	1					Entrance left. Husky Oil. CSP. Outlet damaged.
1.220						info	2	Gas pipeline crossing. Lamco gas co-op. Lamont Alta.
1.290								Manhole, water valve, and remote meter reader on East property line.
1.300	500	2	1			stop	1	Entrance right. CSP. Triton Fabrication Services. 554065 - Rge. Rd. 202.
1.420	600	2	1			stop	1	Entrance right. CSP. Triton Fabrication Services
1.420						info	2	High Pressure salt water pipeline. Husky Oil.
1.500	500	2	1			stop	1	Entrance right. CSP. Triton Fabrication Services. Telus monument left property line.
1.600						info	2	Gas pipeline crossing. Lamco gas co-op. Lamont Alta.
1.650	900	2	1			stop	1	Paved entrance left. CSP. Two stop signs north & south. 40 x 40 steel posts.
1.650						info	2	Six delineators each north & south. Two Gas pipeline crossings. Lamco gas co-op.
1.700								Temporary Slow Fresh Calcium Left. - ??? Left up from last fall. - Severe dust.
1.850						info	2	Advance R/R crossing sign Right.
1.900						info	1	Soft Shoulder sign Left. "T" post.
1.920	900	2	1					Field entrance Right. CSP.
2.000						info	1	Two R/R crossing signs. 4x6" posts. Two stop signs 60x80. "T" posts.
2.050						info	1	Soft Shoulder sign Right. "T" post.
2.150						info	2	Advance R/R crossing sign Left.
2.200	600	2	1					Chain link gate entrance Left. CSP.
2.300	800	2	1					Entrance right. CSP. Husky Oil.
2.420	500	2	2			address	1	Farm entrance left. CSP. Partial restriction. 555044 - Rge. Rd. 202.
2.420	500	2	1					Field entrance Right. CSP.
2.500						info	2	Advance R/R crossing Right. (photo 931).
2.620						info	1	Two R/R crossing signs. 4x6" posts. 10.0 m width planks. (photo 932).
2.620	600	2	2					West ditch across R/R tracks. CSP. Outlet 25% flow restriction.
2.750	500	2	2					Field entrance Left. CSP. 40% silted in.
2.830	500	2	1					Field entrance Right. CSP.
2.890	500	2	1					Entrance left. CSP. Husky Oil.
3.080	800	2	2					C.L. CSP. West invert - 0.5m below water level; East invert - 0.65m below water level.
3.080						info	2	Soft shoulder left. "T" post.
3.100								Power transformer 15 m right. 2m x 2m concrete base.
3.250								Centreline Twp. Rd. 560. South west property line - Telus monument.

Project # ED5536342

Road Description:

Rge. Rd. 203

Lamont County

Date: 09-May-13

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cond.	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
0.000								Rge. Rd. 203
0.015								Centreline Hwy. 15.
0.020						info	1	Right Hwy. 15 / Rge. Rd. 203. "T" post.
0.040						stop	1	Left centreline. 60x80, 4x8" treated wood post. One delineator right. Left missing.
0.200						info	2	Water pipeline crossing. Capital region. Vegreville corridor. Telus monument left
0.870	two - 300's	2	1			info	2	Gas pipeline crossing. Lamco gas co-op. Lamont Alta.
0.750								Temporary access culverts for pipeline crossing.
1.540	800	2	1					Telus monument left property line.
1.650	500	2	1			address	1	Farm entrance right. Conc. Pipe, old timber headwalls. 554077 - Rge. Rd. 203.
1.650								Entrance right. Steel casing pipe, High pressure gas tap # 80
1.870						info	2	Gas pipeline crossing. Lamco gas co-op. Lamont Alta.
1.700						info	2	Gas pipeline crossing. Lamco gas co-op. 45 degrees LHF.
1.880	600	2	1			info	2	Abandoned pipeline crossing. Husky Oil.
2.120	400	2	1					Unused entrance right. Conc. Pipe. Outlet buried. Inlet 60 % buried.
2.280	250	2	1					Field entrance left. CSP. 60 % buried, Telus monument left property line.
2.300								Entrance right. 9" H.D.P.E. undersized pipe. (Canexus entrance). Photo 938
2.400						info	2	Advance R/R crossing Right.
2.500		2	1			R/R	2	Railway crossing signs Lt. and Rt. 4x8" posts, 8.0 m width planks. (photo 939).
2.620	two - 800's	2	1			R/R	2	Two railway crossing signs Lt. and Rt. Two stop signs. 4x8" posts, 10.0 m planks.
2.620								Paved entrance right. CSP. 200mm standing water in culverts. Inlet ditch restriction.(043)
2.720						stop	1	Stop sign right. "T" post.
2.820	800	2	1			info	2	Advance railway crossing left. "T" post.
2.900	800	2	2					Entrance right. CSP.
3.020	500	2	1					Entrance right. Husky Oil. CSP. 200mm standing water in pipe.
3.150	500	3	1					Entrance left. CSP. Husky Oil.
3.180								Farm entrance left. CSP. Severe rust.
3.250						stop	1	Gas pipeline crossing. Lamco gas co-op. Lamont Alta.
								Hwy. 45 Stop sign right. 4x8" post. One delineator left & right.

Ancillary Structures

Odometer	Culvert Size (mm)	Culvert Cord	Culvert Drainage	Guardrail Length	Condition	Sign Type	Condition	Comments
								Twp. Rd. 560
-0.020	1000	2	2					Centreline CSP. 0.5 m standing water. Inlet sloped up at +4.1% - road fill settlement!
0.000						yield	1	Centreline Rge. Rd. 202. Yield signs Lt. & Rt. "T" posts.
0.000						info	1	N.E. quadrant - Twp. Rd. 560 / Rge. Rd. 202. "T" post.
0.350								Concrete vault 8.0 m left of centreline. 1.5 m x 2.4 m. Adjacent to electrical substation.
0.750						info	2	Right. School bus stop ahead. "T" post.
0.890	1500	2	2					Bridge file 00666. CSP. Rust. 0.3 m standing water inside pipe.
0.900	?					address	1	Farm entrance left. Culvert buried. 201038 - Twp. Rd. 560
1.270						info	1	Left. School bus stop ahead. "T" post.
1.615	400	2	2					Field entrance left & right. Left - 400 dia. CSP. right - no pipe and ditch flow blocked.
1.620	400	2	2					Centreline CSP. Inlet damaged and in turning radius. (photo 950)
1.830						yield	1	Crt. Rge. Rd. 201. Yield signs Lt. & Rt. "T" posts. Twp. Rd. 560/Rge. Rd. 201. "T" post
1.720						info	2	School bus stop ahead. 300 m - 30x70 tab. "T" post. (photo 961)
1.890	600	2	2					Field entrances left. 600 CSP. 400mm standing water in pipe.
1.810						info	2	Gas pipeline crossing. Lamco gas co-op.
1.890						info	2	Advance railway crossing right. 25 km/h tab. "T" post.
2.010	?	2	1					Field entrance right. No culvert. Water in ditch continuous to RR (2.190). (photo 952)
2.015						address	1	Farm entrance left. No culvert. 200062 - Twp. Rd. 560.
2.190						RR	1	RR crossing signs Lt. & Rt. 4x6" posts. Site distance restricted both sides due to bush.
2.190								20.0m width (angled) planking. Poor condition. Failed cold mix showing. (photo 953)
2.230	600	2	2					Farm entrance right. 600 dia. CSP. 300mm restriction at outlet.
2.320	400	2	1					Farm entrance right (old cold mix). CSP.
2.330						info	2	Waterline crossing. Bruderheim water co-op.
2.420	2500x600	2	2					Bridge file 00220. (SPCSP). Severe rust. Outlet badly scoured. (photos 954, 955, 956)
2.490						info	1	Advance railway crossing left. 25 km/h tab. "T" post.
2.520						address	1	Farm entrance right. 200237 - Twp. Rd. 560.
2.580	600	2	1					Field entrance left. CSP.
3.280	500	2	2					Centreline culvert. CSP. (west ditch of Rge. Rd. 200). 300mm standing water in pipe.
3.280						yield	1	Centreline of Rge. Rd. 200. Yield signs Lt. & Rt. "T" posts. Twp. Rd. 560/Rge. Rd. 200
3.360						info	2	High pressure sweet oil pipeline. Husky oil.
3.510	?							Unused field entrance left. Holding back drainage off of field and gully west. (photo 957)
3.750						info	2	High pressure gas pipeline. Husky oil.
3.820	800	2	1					Field entrance right. CSP.
3.830						info	2	Waterline crossing. Bruderheim water co-op.
3.900	800	2	2					Farm entrance right. CSP. 300mm standing water. Mail box left
3.900						address	1	195053A - Twp. Rd. 560 and 195053B - Twp. Rd. 560.
3.950						info	2	Field entrance left. Dry. Waterline crossing. Bruderheim water co-op.
3.960	900	2	2					Farm entrance right. CSP. - 200mm standing water.
4.100	400	2	2					Field entrance right. CSP. - 200mm standing water.
4.910	800	2	2					Centreline CSP. Rusted, and ends damaged. - 100mm standing water.
4.930						yield	1	Centreline of Rge. Rd. 195. Yield signs Lt. & Rt. "T" posts. Twp. Rd. 560/Rge. Rd. 195
4.930								S.E. quadrant at property line. 400mm x 450mm T-olus monument.
4.970	800	2	1					Centreline CSP.
4.930						info	2	Gas pipeline crossing. Lamco gas co-op.
5.000	800	2	2					Centreline CSP. Ends Damaged. - 400mm standing water in pipe.
5.190	600	2	3					Entrance right. CSP. Ends blocked and under water.
5.190								Drainage channel comes into south ditch from property to the south.
5.260	400	2	2					Farm entrance right. CSP. - 200mm standing water.
5.260						address	1	194063 - Twp. Rd. 560. Mailbox left shoulder.
5.770								Entrance left. Altagas riser. Conoco Phillips. dry. Should have culvert.
5.780	200	2	3			info	2	Field entrance right. CSP. Blocked. Two high pressure gas pipelines. Altagas Services.
6.250	400	2	2					Field entrance left. CSP. - 250mm standing water.
6.450	600	2	2					Centreline CSP. - 250mm standing water. Outlet at left shoulder. (photo 959)
6.550						info	2	Gas pipeline crossing. Lamco gas co-op.
6.600						stop	1	Centreline secondary Hwy. 831. 4x6" post. One reflector north & south.

APPENDIX C – Photos

Project #

ED55-36342

Road Description:

Rge. Rd 195 & Rge. Rd. 200

Lamont County

Date:

2-May-2013

Page 1 of 3

Photos

Odometer	Photo #	Description	Comments
		Rge. Rd. 195	
0.000		Centreline Hwy. 29	
0.020	1	East ditch, looking north.	Powerline 10 m right of centreline. 3 m inside fence.
0.020	2	West ditch, looking north.	8 m wide drainage course flowing north to BL 00323
0.280	3	Road crossing - single span BL 00323	
0.280	4	View from upstream side of BF	Guard rail support broken.
0.300	5	East ditch, looking north.	5 m wide drainage course flowing south to BF.
3.300	6	Intersection of Twp. Rd. 560	Runoff comes from the east and flows north in east ditch.
3.500	7	West ditch, looking north.	Poor drainage to the north. East ditch flows well to km. 3.825 (centreline culverts).
3.825	8	Inlet view - two 900 dia. & 600 dia. CSP	Bottom's rusted, inlets damaged, 600 dia. - restricted flow.
3.825	9	Outlet view.	1:1 sidesloped, outlets damaged. Also drainage course flows from the north.
3.825	10	Inlet view, looking south.	Scour damage.
		Rge. Rd. 200	
0.000		Centreline Hwy. 29	
0.500	11	View looking north.	2 m wide ditch bottoms. Second growth trees in ditch and extends to property line. Partially restricted flow.
1.020	12	500 dia. centreline culvert.	No sideslopes, ends buried. Drainage channel flows to the east.
1.020	13	500 dia. centreline culvert, outlet view.	
1.350	14	View looking south.	Restricted site line for S.B. traffic at farm entrance.
1.550	15	View looking north.	Poor drainage along west ditch.
1.550	16	View looking north.	Poor drainage along east ditch.
1.950	17	Field entrance left - Husky Oil, 500 dia, CSP	Scouring at outlet, ditch silted in.
1.950	18	Inlet view.	Ditch flow restricted.
2.000	19	Inlet 200 x 2800 S.P.C.S.P.	Rust, 2:1 sideslopes, 7.1 m road top width.
2.000	20	Outlet view.	Scour pool at outlet.
2.990	21	West ditch, entrance left - Husky Oil.	Pipe ends buried, restricted flow.
2.990	22	View looking north along east ditch.	Poor drainage.
3.050	23	Field entrance right, 300 dia. CSP. Looking south.	Restricted flow.
3.150	24	East ditch, view looking north.	Poor drainage.
3.500	25	Twp. Rd. 560 - West ditch looking south.	Restricted flow.
3.850	26	Field entrance left	Pipe buried, no flow.
3.860	27	Field entrance right, 800 dia, CSP	Restricted flow.
3.900	28	Railway crossing	10 m width timber planks. N.B. wheelpaths breaking up.
3.900	29	West ditch, 600 dia, CSP	Restricted flow.
4.050	30	Railway crossing sign (S.B.)	Sign turned and leaning over.

Project #

ED65-36342

Road Description:

Rge. Rd 185, Rge. Rd. 201, & Rge. Rd. 202

Date:

7-May-2013

Lamont County

Photos			
Odometer	Photo #	Description	Comments
		Rge. Rd. 201	
0.000		Centreline Hwy. 15	
0.950	31	Railroad crossing looking north.	Restricted site line to the east for N.B. traffic.
0.950	32	Existing railroad crossing.	9.0 m width planking. Old but good condition.
1.080	33	Field entrance Right.	Ditch drainage blocked. No culvert.
1.250	34	Old unused field entrance Right.	Ditch drainage blocked. Flow goes into pasture & cultivated field and continues north.
1.500	35	Drainage course east of fence line, looking south.	Flow comes back into R/W and continues north.
1.600	36	Entrance Right, Husky Oil.	Two 600 dia. CSP's. Outlets 80% restricted flow.
1.970	37	Field entrance Left.	No culvert and the drainage to the west is also blocked.
2.100	38	Shallow ditch right.	Cultivated field into ditch bottom.
2.100	39	Left ditch looking North.	Deadfall and bush in ditch bottom.
2.700	40	Right ditch looking North.	Ponding in ditch bottom. Sideslopes 1:1 to 2:1.
3.020	41	View looking North.	N.B. site line restricted to the West.
3.020	42	Upgraded railway crossing.	11.0 m width precast conc. panels, asphalt aprons.
3.250	43	Right ditch looking North.	Drainage blocked from excavation for underground power line crossing.
3.250	44	Twp. Rd. 560 intersection	South west quadrant. Drainage from the west blocked. CSP inlet damaged. Inlet in turning radius.
3.450	45	Entrance Left. Tamarack Acquisition Corp.	400 dia. CSP installed too high. May require outlet ditch bottom grading.
4.000	46	Right ditch looking South.	Poor drainage.
		Rge. Rd. 202	
0.000		Centreline Hwy. 15	
1.500	47	Right ditch looking North.	Second growth and willows in ditch bottom. - Km. 1.420 to 1.650.
1.850	48	Approaching railroad crossing.	Site line to the West restricted for N.B. traffic. Railway cars on siding.
2.000	49	Railroad crossing.	12.0 m plank width. Some damaged timbers.
2.500	50	View looking North.	Advance R/R crossing sign Right. - Older style, non reflective.
2.620	51	Railroad crossing	10.0 m width planking. Old but good condition.

Project #

ED55-36342

Road Description:

Rge. Rd. 203, & Twp. Rd. 560

Lamont County

Date:

9-May-2013

Page 3 of 3

Photos

Odometer	Photo #	Description	Comments
		Rge. Rd. 203	
0.000		Centreline Hwy. 15	
0.030	52	View looking North.	Major soft spot in subgrade. full width.
0.040	53	Field entrance Left.	Entrance with no culvert blocking Lt. ditch drainage to the north.
0.670	54	View looking North.	Temporary access at pipeline crossing. Under construction.
0.670	55	View looking East.	Pipeline R/W east of Rge. Rd. 203.
1.000	56	View looking North.	Fields cultivated into back of ditch, both sides.
2.280	57	View looking North.	9" H.D.P.E. undersized pipe at entrance Right (Canexus).
2.400	58	View looking West.	Railroad crossing planks. 8.0 m width.
2.500	59	View looking North.	Second railway crossing (two tracks).
2.500	60	View looking West.	Railroad crossing planks. 10.0 m width.
2.500	61	View looking West.	Railroad crossing planks. 10.0 m width.
2.620	62	Right ditch looking South.	Two 800 dia. CSP's. Ditch bottom is restricting flow (200mm depth).
2.730	63	View looking North.	Weathered and broken up cold mix with gravel on shoulders.
		Twp. Rd. 560	
0.000		Centreline Rge. Rd. 202	
0.100	64	View looking west at Rge. Rd. 202 intersection.	Slough in all 4 quadrants of intersection.
0.400	65	Right ditch looking East.	Entrance to power substation. Blocking drainage to the West.
0.490	66	Left ditch looking East.	Dry entrance. Blocking drainage to the West.
1.100	67	Right ditch looking East.	No drainage in right ditch.
1.550	68	View to the east approaching Rge. Rd. 201	Right ditch drainage blocked (standing water and cat tails).
1.625	69	Intersection of Rge. Rd. 201, looking West.	South ditch blockage. 400 dia. Centreline CSP inlet damage (in turning radius). 200mm flow restriction.
1.720	70	Right ditch looking East.	School bus sign. Standing water in both ditches.
2.010	71	Right ditch looking East.	Field entrance right, no pipe. Standing water continuous up to R/R crossing at 2.190.
2.190	72	Railroad crossing, looking north east.	20 m plank crossing (angled). Poor condition. Failed cold mix showing.
2.420	73	Bridge file 00220. - Outlet.	Outlet badly scoured and sideslope undermined. Severe rust.
2.400	74	Bridge file 00220. - looking north at outlet channel.	Outlet channel alignment.
2.400	75	Bridge file 00220. - Inlet	Inlet channel. Severe rust.
3.510	76	View looking north east.	Old field entrance left. Holding back drainage off field and going West.
5.500	77	South ditch, looking West.	Water backing up in south ditch.
6.450	78	Centre line culvert outlet, looking East.	600 dia. CSP. Outlet at north shoulder of the road. Partial left ditch bottom blockage.