City of Timmins 2014 Asset Management Plan Bridges

						Basic Asset/Component Information							Financial <i>A</i>	Accounting	Values				Conditio	n / Performance a	nd Risk Assessme	ent Informatio		
Asset Number Road Class	Distance to Hospital (km)	Categ	ory Sub- Category	y Department	Туре	Area Location	Class of Asset	Serial / Identification Number	Year of Acquisition		Remaining Useful Life	Age [Cost Ar	ccumulated mortization cember 31, 2012	Net Book Value December 31, 2012	Replacement Cost	Condition Rating	Method of Last Condition Assessment	Asset Conditions / Deficiencies	Probability of Failure	Consequence of Failure	Risk / Criticality	Critical Maintenance Activities / Immediate Replacement	Comments & Changes to PSAB data
RBC-BRG-01 Local - Comm/Ind	24.9 or 37.1	2 Infractru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	East Frederickhouse Lake Dr(Hwy 610) - 0.6 km north of hwy 101			1930	50	0	83	34,393,430 \$ 95,820 \$	14,014,266 95,820		80,500,000 \$ 2,800,000	5	Desk top review (OS		3.0	5.0	15.0	Replace structure within the next 1 to 3 years at an	Reduced load posting placed c
RBC-BRG-02 Local - Com/Ind	8.4 or 9.7		cture Bridges			East Bruce Ave - 172 m East of Gold Mine Rd	Fredrickhouse Lake Dr BRUCE AVE BRIDGE	TE 3A	1950	50	0	63	\$ 28,462 \$	28.462		\$ 500.000	5	Desk top review (10	Yr	4.0	4.0	16.0	estimated cost of \$3 million Complete load assessment and replace structure within the next 1 to 2 years at an estimated cost of	bridge in 2012 Incomplete OSIM; Reduced load posting placed on bridge i
RBC-BRG-03						Timmins Adjacent to Feldman Rd bailey Bridge	FELDMAN RD PEDESTRIAN BRIDGE	T-5B	1970	20	0	43	\$ 50,000 \$	50,000	\$-	\$ 400,000	0 4	Capital Plan) Desk top review (OS	IM) Structural Wood Repairs	3.0	3.0	9.0	\$342,000 Repair/replace deteriorated sections of wood beams and abutment/wing wall wood within the next 1 to 2 years at an estimated cost of \$20,000	2013 Previously Unrecorded- Acq yr
RBC-BRG-04 Local - Com/Ind	8.4 or 9.7	7 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	East Golden Avenue - 176 m East of Gold Mine Rd	GOLDEN AVE BRIDGE	TE 4	1970	50	7	43	\$ 136,382 \$	117,289	\$ 19,093	\$ 1,100,000	0 4	Desk top review (OS	IM)	3.0	3.0	9.0	Repair concrete at inlet / outlet, localized delaminated, spalled & scaled areas of barrel within the next 1 to 2 years at an estimated cost of \$8,800	Should be listed as Culvert
RBC-BRG-05		Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	PEDESTRIAN BRIDGE	East Near Bruce Ave bridge	PEDESTRIAN BRIDGE NEAR BRUCE AVE	TE 3B	1971	20	0	42	\$ 50,000 \$	50,000	\$-	\$ 400,000) 4	Desk top review (OS	IM) Structure Painting	3.0	3.0	9.0	Repair bearing seats & rosion damage behind abutment and ballast wall, reposition ballast wall timbers, paint steel beams within the next 1 to 2 years at an estimated cost of \$8,500	Acq yr and cost was a guess based on condition comparisor as per Amjad A
RBC-BRG-06 Local - Com/Ind	4.3 or 8.7	1 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	Timmins Dalton Rd crossing at Mountjoy River - 0.5 km W of Cameron St	DALTON RD BRIDGE	T-6	1972	50	9	41 :	\$ 458,454 \$	375,932	\$ 82,522	\$ 3,100,000	4	Desk top review (OS	IM) Expansion Joints and Paving	4.0	4.0	16.0	Replace/repair expansion joists and repave approaches within the next 1 to 2 years at an estimated cost of \$100,000	
RBC-BRG-07 Arterial	2.1 or 2.3	3 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	Timmins Algonquin Blvd E- 30 m East of Spruce St	ALGONQUIN OVERPASS (ONF Subway)	R T-8	1977	25	0	36	\$ 807,748 \$	613,888	\$ 193,860	\$ 4,000,000) 3	Desk top review (OS	IM)	2.0	3.0	6.0		Railway no longer utilizing structure, is there a future need for this structure. "Useful Life" should be increased
RBC-BRG-08 Arterial	6.4 or 8.4	4 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	West HWY 629 - 2km N of 2nd river crossing	AIRPORT RD KRAFT CREEK BRIDGE	TW-1A	1979	50	16	34 5	\$ 327,855 \$	222,941	\$ 104,914	\$ 1,900,000) 5	Desk top review (OS	IM) Survey and Investigation	5.0	4.0	20.0	Complete detailed deck condition survey / timber investigation and replace structure all within the nex 1 to 3 years at an estimated cost of \$1.9 million	
RBC-BRG-09 Local - Residential	7.1 or 7.7	7 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	West Laforest Rd- 0.7 km E of Airport Rd	LAFOREST RD KRAFT CREEK BRIDGE	TW-1B	1979	50	16	34	\$ 332,879 \$	226,358	\$ 106,521	\$ 1,400,000	5	Desk top review (OS	IM) Deck Repairs and Wearing Surface Replacement	4.0	4.0	16.0	Re-tension steel deck rods; remove & apply asphalt waterproofing, and repave approaches and deck within the next 1 to 3 years at an estimated cost of \$330,000	
RBC-BRG-10 Local Residential	9.8	5 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	East Evans St - 233 m South of Golden Ave	EVANS ST BRIDGE	TE 5	1980	50	17	33	\$ 336,949 \$	222,386	\$ 114,563	\$ 1,300,000	4	Desk top review (OS	IM)	3.0	5.0	15.0	Repair isolated rot in abutment timbers and replace section of rotted pier cap timber at first pile group from north within the next 1 to 2 years at an estimated cost of \$30,000	
RBC-BRG-11 RBC-BRG-12 Local - Comm/Ind	49 2		cture Bridges	- · · · ·		Timmins Between Rosemarie Crescent and Melrose Gardens East Finn Rd, 5.7 km NE of Municipal Rd #67	ROSEMARIE CRESCENT PEDESTRIAN BRIDGE FINN RD BRIDGE #2	T-2	1983 1988	20 50	0	30	\$ 72,820 \$ \$ 104,612 \$	72,820		\$ 300,000 \$ 300,000	3	Desk top review (OS Desk top review (OS	·	2.0 3.0	3.0 5.0	6.0 15.0		transferred from Parks
RBC-BRG-13 Local - Com/Ind				Roads - Bridges and Culverts (>3m)		Timmins Feldman Rd crossing at Mountjoy River - 0.1 km south of Commerci		E T-5A	1992	50	29	21	\$ 384,907 \$			· , , , , , , , , , , , , , , , , , , ,) 4		IM) Structure Painting	4.0	4.0	16.0	Clean and paint abutment steel within the next 1 to 2 years at an estimated cost of \$10,000	Bailey Bridges are considered Temporary Bridges as per the MTO's Structural Manual and required frequent inspections and maintenance. The listed "Useful Life" of 50 years should be reduced. Reduced load posting placed on bridge in 2014
RBC-BRG-14 Arterial	12.2	2 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	East Hwy 101 E (Porcupine) - 260 M East of Bristol Rd	PORCUPINE RIVER BRIDGE @ HWY 101	[©] TE 8	1992	50	29	21	\$ 2,974,806 \$	1,249,419	\$ 1,725,387	\$ 6,000,000) 4	Desk top review (OS	IM) Structure Painting & Joint Seals	4.0	5.0	20.0	Clean / paint the end 3 meters of each girder and bearing seats / lateral guide pipe adjacent to bearings at abutments. Replace expansion joint sea all within the next 1 to 2 years at an estimated cost of \$25,000	
RBC-BRG-15 Arterial	4.7 or 7.4	4 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	Timmins Lafleur Rd @ Mattagami Rd	LAFLEUR BRIDGE (MATTAGAMI RIVER BRIDGE- 2ND CROSSING) CONNAUGHT BRIDGE	T-1A	1995	50	32	18	\$ 4,527,546 \$	1,629,917	\$ 2,897,629	\$ 8,600,000	2	Desk top review (OS	IM)	2.0	4.0	8.0		
RBC-BRG-16 Local - Comm/Ind	30.9 or 51.7	7 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	East Frederickhouse Lake Dr(Hwy 610)- 3.4 km W of Municipal Rd # 67	(FREDERICKHOUSE RIVER BRIDGE at Federickhouse Lake	TE 11	1996	50	33	17	\$ 2,823,456 \$	959,975	\$ 1,863,481	\$ 5,300,000) 3	Desk top review (OS	IM)	3.0	5.0	15.0		
RBC-BRG-17 Arterial	3.8 or 8.3	3 Infrastru	cture Bridges	Roads - Bridges and Culverts (>3m)	BRIDGE	Timmins Algonquin Blvd crossing at Mattagami River	MATTAGAMI RIVER BRIDGE	T-4	1998	50	35	15	\$ 5,132,548 \$	1,539,764	\$ 3,592,784	\$ 9,200,000) 2	Desk top review (OS	· ·	2.0	4.0	8.0	Clean (noint sinders, displayarma & bearing plates	
RBC-BRG-18 Local - Comm/Ind				Roads - Bridges and Culverts (>3m)		East Finn Rd, 1.5 km E of Municipal Rd #67	FINN RD BRIDGE #1	TE 14	1998	50	35	15	\$ 129,180 \$	38,754	· · · ·	\$ 300,000	4	Desk top review (OS			4.0	16.0	Clean / paint girders, diaphragms & bearing plates and replace abutments within the next 1 to 2 years a an estimated cost of \$130,000	at Reduced load posting placed of bridge
RBC-BRG-19Local - Comm/IndRBC-CUL-01RuralRBC-CUL-02Rural	13.6	6 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m) Roads - Bridges and Culverts (>3m) Roads - Bridges and Culverts (>3m)	CULVERT-CSP	EastMunicipal Rd(Hwy 67) - 8 km N of Hwy 101 EastWestKamiskotia Rd- 3.2 km from Hwy 101 WWestKamiskotia Rd- 20.4 km from Hwy 101 W	BARBER'S BAY KAMISKOTIA ROAD WATERHEN CREEK KAMISKOTIA Rd. KAMISKOTIA		2010 1970 1970	75 25 25	0	3 3 43 3 43 43	\$ 5,133,823 \$ \$ 128,199 \$ \$ 109,106 \$	128,199		\$ 5,600,000 \$ 1,000,000 \$ 900,000	4	Desk top review (OS Desk top review (OS Desk top review (OS	IM)	1.0 1.0 1.0	5.0	5.0		
RBC-CUL-03 Rural				Roads - Bridges and Culverts (>3m)		West Kamiskotia Rd- 14.2 km from Hwy 101 W	RIVER TWIN CULVERT- 4.2M KAMISKOTIA RD CULVERT-	TW-6	1970	25	0	43	\$ 80,000 \$	80,000		\$ 700,000		Desk top review (OS	, 	1.0	5.0	5.0		
RBC-CUL-03 Rurai						Timmins Mattagami Blvd b/w Bellanger Ave and Commercial Ave	3.2M TOWN CREEK OUTLET - 3.5m		1970	25 70	27	43 43	\$ 204,573 \$	125,666		\$ 700,000	3	Desk top review (OS	,	2.0	3.0	6.0		
RBC-CUL-05 Arterial						Timmins Algonquin Blvd - (From Theriault Blvd to Fogg St/Belanger Rd)	BOX CULVERT TOWN CREEK BOX CULVERT 4.5 m	^{Г -} Т-7В	1977	70	34	36	\$ 323,790 \$	166,521		\$ 1,600,000	0 4	Desk top review (OS		3.0	3.0	9.0	Dewater & Rehabilitate individual culvert segments within the next 1 to 3 years at an estimated cost of \$521,000	
BC-CUL-06 Local Residential				,		Timmins Rea St -At intersection of Lincoln Ave and Rea St N		T-7C	1977	70	34	36	\$ 202,908 \$	104,353		\$ 1,000,000) 3	Desk top review (OS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.0	3.0	3.0		S/B Culvert-Concrete type
BC-CUL-07 Local Residential						Timmins Hillside Ave- b/w Belleview St and Rea St N Timmins Pearl Ave - b/w Belleview St and Rea St N	HILLSIDE AVE BRIDGE	T-7F	1977	70	34	36 36 36	\$ 71,234 \$ \$ 71,234 \$	36,635		. ,	3	Desk top review (OS Desk top review (OS		1.0	3.0	3.0		bridge, useful life S/B 70 yrs S/B Culvert-Concrete type
RBC-CUL-09 Local Residential						Timmins Vimy Ave b/w Macleod St and Rea St N	VIMY AVE BRIDGE	T-7F	1977	70	34	36	\$ 71,234 \$	36,635		. ,	3	Desk top review (OS		1.0	3.0	3.0		bridge, useful life S/B 70 yrs S/B Culvert-Concrete type
RBC-CUL-10 Arterial				Roads - Bridges and Culverts (>3m)		Diverside Dr. 100 m West of Cabael Dd. Ivet east of fishbourd	RIVERSIDE DR. CULVERT	T-9	1977	70	34	36	\$ 323,790 \$	166,521		\$ 1,600,000) 5	Desk top review (OS		4.0	4.0	16.0	Repair or replace within the next 1 to 3 years at an	
RBC-CUL-11 Local Residential						Timmins Carlin St - b/w Rea St N and Waterloo Rd	CARLIN ST CULVERT	T-7G	1980	70	37	33	\$ 117,212 \$	55,257	\$ 61,955	\$ 500,000) 2	Desk top review (OS	IM)	1.0	3.0	3.0	estimated cost of \$675,000	frame in 2014
RBC-CUL-12 Local Residential	2.5 km or 2.5 kn	n Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT-CONCRETE	Timmins Polaris Rd - b/w Rea St N and Waterloo Rd	POLARIS RD CULVERT	T-7H	1980	70	37	33	\$ 146,868 \$	69,238	\$ 77,630	\$ 600,000) 2	Desk top review (OS	IM)	1.0	3.0	3.0		S/B Culvert-Concrete type bridge, useful life S/B 70 yrs
RBC-CUL-13 Local Residential	3.6 or 4.9	9 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT - CSP	Timmins Suzanne St - near River Park Rd	SUZANNE ST CULVERT(Pipe Culvert)	T-11	1980	25	0	33	\$ 90,000 \$	90,000	\$-	\$ 400,000) 4	Desk top review (OS	IM)	2.0	3.0	6.0		Previously Unrecorded- Acq year and cost est provided by Amiad A
RBC-CUL-14 Local Residential	3.6 or 4.5	5 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT - CSP	Timmins Denise St - b/w Moradin Ave and Martin Ave	DENISE ST CULVERT(Pipe Culvert)	T-12	1980	25	0	33	\$ 90,000 \$	90,000	\$-	\$ 400,000) 4	Desk top review (OS	IM)	2.0	3.0	6.0		Previously Unrecorded- Acq year and cost est provided by Amjad A
RBC-CUL-15 Rural				Roads - Bridges and Culverts (>3m)		West Kraft Creek Rd- 2Kn W of Airport Rd	KRAFT CREEK CULVERT-3.6M		1981	25	0	32	\$ 133,833 \$	133,833	\$-	\$ 500,000) 3	Desk top review (OS	IM)	1.0	5.0	5.0		
RBC-CUL-16 Local - Comm/Ind	30.9 or 51.7	7 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT - CSP	East Frederickhouse Lake Dr- 1.4 km W of Municipal Rd # 67	FREDERICKHOUSE LAKE DR CULVERT	TE 12	1981	25	0	32	\$ 57,606 \$	57,606	\$-	\$ 200,000	3	Desk top review (OS	M)	2.0	5.0	10.0		Acq yr S/B 1981 as per Amjad A, CSP Culvert Previously Unrecorded- Acq
RBC-CUL-17 Arterial	6.3	3 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT-CONCRETE	East hwy 101 - near tisdale cemetery	HWY 101 BOX CULVERT	TE 1	1986	70	43	27	\$ 230,000 \$	88,714	\$ 141,286	\$ 600,000	2	Desk top review (OS	,	1.0	5.0	5.0		year and cost est provided by Amjad A
RBC-CUL-18 Arterial	8.4	1 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT-CONCRETE	East Hwy 101 - near OPP station - 637 m West of Legion Dr	PORCUPINE RIVER BOX CULVERT	TE 2	1986	70	43	27	\$ 165,000 \$	63,643	\$ 101,357	\$ 500,000	3	Desk top review (OS	M) Repair Cracks and Concrete	3.0	5.0	15.0	Repair cracks in barrel within the next 1 to 2 years a an estimated cost of \$80,000	at Reinforced structure with steel frame in 2014 Very large culvert structure,
RBC-CUL-19 Rural				Roads - Bridges and Culverts (>3m) Roads - Bridges and Culverts (>3m)		West Dalton Rd / Wawiatin Rd- 13 km SW of Luoma Rd Timmins JV Bonhomme Blvd - 60 m North of Reg Pope Blvd	GRASSY RIVER CULVERT- 12.2M JV BONHOMME BLVD	TW-3 T-10	1988	25 70	0	25	\$ 2,752,960 \$ \$ 360,000 \$	2,752,960		\$ 5,800,000 \$ 700,000	2 4	Desk top review (OS Desk top review (OS		2.0	5.0 3.0	10.0 3.0		Probability of Failure only reduced by 2 instead of 3 Previously Unrecorded- Acq year and cost est provided by
RBC-CUL-21 Arterial				Roads - Bridges and Culverts (>3m)		East Harold Ave/Hwy 101 E - 173 m West of Northern College entrance	CULVERT CRAWFORD CREEK DIVERSION (From Hwy 101 to Crawford St: varying dia Pipe	TE 6	1994	25	6	19	\$ 1,561,000 \$	1,186,360	\$ 374,640	\$ 3,100,000	3	Desk top review (OS	IM)	2.0	3.0	6.0		Ámjad A
RBC-CUL-22 Arterial	4.7 or 7 4	4 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	UNDERPASS	Timmins Adjacent to Lafleur Bridge	Culvert: 4.2m - 2.7m - 2.4m) NORMAN ST UNDERPASS	 T-1B	1995	50	32	18	\$ 875,000 \$	315,000	\$ 560.000	\$ 1,700,000	2	Desk top review (OS	IM)	2.0	4.0	8.0		
RBC-CUL-23 Local Residential				Roads - Bridges and Culverts (>3m)		Timmins	TOWN CREEK ROSS AVE CULVERT	T-7i	2009	70	66	4	\$ 402,316 \$	22,989		. , ,) 1	Desk top review (OS	, 	1.0	3.0	3.0		
RBC-CUL-24 Local - Comm/Ind	8 or 15.3	3 Infrastru	cture Culverts	Roads - Bridges and Culverts (>3m)	CULVERT-CONCRETE	East	GOLDMINE/BLUEJAY LANE (2 side by side culverts)	TE 16	2009	70	66	4	\$ 445,214 \$	25,441	\$ 419,774	\$ 500,000	2	Desk top review (OS	IM)	1.0	3.0	3.0		OSIM Inspection Report lists structure as Northern College Pedestrian Bridge located 173 West of Northern College Entrance
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City of Timmins 2014 Asset Management Plan Bridges

	Basic Asset/Component Information													/alues			Condition / Performance and Risk Assessment Information							
Asset Road Class	Distance to Hospital (km)	Department	Туре	Area	Location	Class of Asset	Serial / Identification Number	Year of Acquisition	Year of cquisition Useful Life Remaining Age	Cost	Accumulated Amortization December 31, 2012	Net Book Value December 31, 2012	Replacement Cost	Condition Rating	Method of Last Condition Assessment	Asset Conditions / Deficiencies	Probability of Failure	Consequence of Failure	Risk / Criticality	Critical Maintenance Activities / Immediate Replacement	Comments & Changes to PSAB data			
RBC-CUL-25 Local Residential	2.1 or 2.3 Infrastructure Culverts R	oads - Bridges and Culverts (>3	sm) CULVERT - CONC	Timmins	Waterloo Rd - b/w Quartz Ave and Polaris Ave	TOWN CREEK CULVERT WATERLOO RD	T-7J	2011	70	68	2	\$ 533,698	\$ 15,249	\$ 518,449	\$ 600,000	1	Desk top review (OSIM)		1.0	3.0	3.0			
RBC-CUL-26 Local Residential	1.2 or 1.2 Infrastructure Culverts R	oads - Bridges and Culverts (>3	m) CULVERT-CONCRE	TE Timmins	Intersection of Brousseau Ave and Spruce St	WATERLOO RD TOWN CREEK CULVERT BROUSSEAU AVE	Т-7К	2011	70	68	2	\$ 938,408	\$ 26,812	\$ 911,597	\$ 1,000,000	1	Desk top review (Age)		1.0	3.0	3.0		Mssing OSIM	