APPENDIX A

General Inspection Form

APPENDIX B

Building Inspection Form

APPENDIX C

Public Access Building Inspection Form

APPENDIX D

Road Inspection Form

APPENDIX E

Bridge Inspection Form

APPENDIX F

Linear Inspection Form

APPENDIX G

W/WW Protocol Inspection Form

APPENDIX H

Fire Protection Questionnaire Inspection Form

APPENDIX I

O&M Action Plan Inspection Form

APPENDIX J

Asset Group Description Inspection Form

APPENDIX K

Map Inspection Form

APPENDIX L

Floor Plan Inspection Form

APPENDIX M

Excel Version of Word Inspection Forms

NOTE:
Inspection Forms A to M are provided in a separate folder. Complete one inspection form for each asset inspected.

APPENDIX N

ICMS Database Asset Change Form

APPENDIX O

Executive Summary Template

Template with charts is included in the Inspection Forms Folder

These instructions are for use in updating the E-ACRS Executive Summary template.

Note:

- These instructions are for use with Excel 2016.
- Information in the executive summary is in a table format.

ASSET INVENTORY INSPECTION

Updating the Asset Inventory chart

1. Click the *Asset Inventory* pie chart
2. Right click > *Edit Data* > *Edit Data in Excel*
3. Update the values in the *Number of Assets* column for the total number of assets in each asset category (make sure you hit Enter after each number entry)
4. Close out of Excel. You do not need to save the information
5. The labels in the pie chart should update automatically. Adjust labels as required. If there are no assets in an asset category delete that individual label.
6. Update the "Total number of assets" value on the left and in the text paragraph.

Colours used in chart:

Water	RGB: 79 – 129 – 189
Wastewater	RGB: 142 – 180 – 227
Roads/Bridges	RGB: 166 – 166 – 166
Electrical	RGB: 147 – 112 – 219
Education (schools, teacherages)	RGB: 217 – 150 – 148
Community Buildings	RGB: 192 – 80 – 77
Fire Protection (fire hall, fire truck, fire boxes)	RGB: 192 – 0 – 0
Solid Waste	RGB: 96 – 63 – 48
Health	RGB: 128 – 100 – 162

ASSET CONDITION

Updating the Summary of Asset Condition chart

1. Click the *Summary of Asset Condition* column chart
2. Right click > *Edit Data* > *Edit Data in Excel*
3. Update the values in the *New, Good, Fair and Poor* columns for the total number of condition ratings per asset category (make sure you hit Enter after each number entry). The percentage columns should update automatically
4. Close out of Excel. You do not need to save the information
5. You will need to relabel each condition rating (New, Good, Fair, Poor) to show the asset condition percentage for each of the asset categories. Click on an asset condition category, for example, "Good". Right click > *Format Data Labels*. Uncheck then re-check the *Value from Cells* checkbox. Click the *Select Range* button and verify the associated range of values for the *Good%* column is highlighted. Repeat for each condition rating category and its associated condition percentage column (*New%, Good%, Fair%, Poor%).*

6. Font is **BOLD** and the font colour is white for the *New* and *Poor* categories. Text colour can be changed through *Text Options* or on the Font button on the Home tab. If the % text does not fit in the column move the individual label beside the column (change the white font back to black). If there are no assets in an asset category delete that individual label.
7. Update the values and percentages in the paragraph text.

Colours used in chart:

New	RGB: 31 – 73 – 125
Good	RGB: 155 – 187 – 89
Fair	RGB: 255 – 217 – 102
Poor	RGB: 192 – 0 – 0

ASSET REPLACEMENT VALUE

Updating the Asset Replacement Value by Asset Category chart

1. Click the *Asset Replacement Value by Asset Category* pie chart
2. Right click > *Edit Data* > *Edit Data in Excel*
3. Update the values in the *Asset Replacement Value* column (make sure you hit Enter after each number entry). These values are the sum total of each of the asset replacement values from the *Asset Replacement Cost* column 'R' for each asset category in the 35-Year Asset Replacement Chart.
4. Close out of Excel. You do not need to save the information
5. The labels in the pie chart should update automatically. Adjust labels as required. If there are no assets in an asset category delete that individual label.
6. Update the "Total asset replacement value" value on the left and in the text paragraph.

Colours used in chart:

Water	RGB: 79 – 129 – 189
Wastewater	RGB: 142 – 180 – 227
Roads/Bridges	RGB: 166 – 166 – 166
Electrical	RBG: 147 – 112 – 219
Education	RGB: 217 – 150 – 148
Community Buildings	RGB: 192 – 80 – 77
Fire Protection	RGB: 192 – 0 – 0
Solid Waste	RGB: 96 – 63 – 48
Health	RGB: 128 – 100 – 162

Updating the Asset Replacement Value by Asset Condition chart

1. Click the *Asset Replacement Value by Asset Condition* pie chart
2. Right click > *Edit Data* > *Edit Data in Excel*
3. Update the values in the *Asset Replacement Value* column (make sure you hit Enter after each number entry). These values are the sum total of each of the asset replacement values from the *Asset Replacement Cost* column 'R' for each condition rating (see *GCR* column 'E') in the 35-Year Asset Replacement Chart.
4. Close out of Excel. You do not need to save the information
5. The labels in the pie chart should update automatically. If there are no assets in an asset category delete that individual label.

Colours used in chart:

New	RGB: 31 – 73 – 125
Good	RGB: 155 – 187 – 89
Fair	RGB: 255 – 217 – 102
Poor	RGB: 192 – 0 – 0

35-YEAR COMPONENT/ASSET REPLACEMENT CHART

Updating the 35-Year Capital Asset Replacement Chart

1. Click the *35-Year Capital Asset Replacement Chart* column chart
2. Right click > Edit Data > Edit Data in Excel
3. Update the values in the *Capital Asset Replacement Cost* column (make sure you hit Enter after each number entry). These values are the sum total of each of the asset component costs for each of the years 2019 (column 'S') to 2054 (column 'BB') in the 35-Year Asset Replacement Chart.
4. Update the values in the *Annualized Capital Replacement Cost* column. This value is found by taking the sum total of the *Capital Asset Replacement Cost* column 'BC' divided by 35. In order to get a straight red line on the graph you have to copy the result to each of the years in the column. Also, make sure you put this value in the column heading so that it displays in the legend of the chart.
5. Before you close out of Excel determine the highest value in the *Capital Asset Replacement Cost* column to be used in the next step. Close out of Excel. You do not need to save the information
6. To update the axis values, select the grey horizontal axis lines. Right Click > *Format Axis*. Under *Axis Options*, update the value in the Bounds *Maximum* box to equal the highest component value (rounded to nearest i.e. $100,000 or $1,000,000) from the *Capital Asset Replacement Cost* column as determined in step 5. For example, if the highest value is $12,395,212 enter $13,000,000 in the *Maximum* box. Make sure the Bounds *Minimum* box is set to zero ("0"). If required, the units can be adjusted for the *Major* and *Minor* axis lines

Colours used in chart:

Annual Capital Replacement Cost	RGB: 79 – 129 – 189
Annualized Capital Replacement Cost	RGB: 192 – 80 – 77

HEALTH AND SAFETY PROJECTS

Updating the New and Outstanding Health and Safety Projects Chart

1. Click the *New and Outstanding Health and Safety Projects Chart* column chart
2. Right click > Edit Data > Edit Data in Excel
3. Update the values in the *New* and *Outstanding* columns (make sure you hit Enter after each number entry). These values are the new (2019) and outstanding (< 2019) health and safety deficiencies for each of the Groups 1-3.
   TYPE = 1 – Health and Safety
   STATUS = 0 – Outstanding
   GROUP = 1 – O&M; or *2 – Maintenance;* or *3 – Other*
   IDENTIFIED YEAR = 2019 (new); or < *2019* (outstanding)
4. Close out of Excel. You do not need to save the information
5. Font is **BOLD** and the font colour is white. If the number text does not fit in the column move the individual label beside the column (change the white font back to black). If there are no deficiencies for a Group delete that individual label.

Colours used in chart:

New	RGB: 79 – 129 – 189
Outstanding	RGB: 192 – 80 – 77

APPENDIX P

Asset Inspection Form Reference Table

ASSET CODE NAME	QTY	Category	Inspection Form
A1A - OFFICE (ADMIN)	SQ.M.	Community Buildings	Appendix C - PAB
A2A - TRADE SHOP/WORKSHOP	SQ.M.	Community Buildings	Appendix B - Building
A2B - GARAGE	SQ.M.	Community Buildings	Appendix B - Building
A2C - WAREHOUSE (BAND)	SQ.M.	Community Buildings	Appendix B - Building
A2G - WAREHOUSE (SCHOOL)	SQ.M.	Community Buildings	Appendix B - Building
A3A - SCHOOL	SQ.M.	Education	Appendix C - PAB
A3B - DAYCARE CENTRE	SQ.M.	Community Buildings	Appendix C - PAB
A3H - FIRE STATION	SQ.M.	Fire Protection	Appendix C - PAB
A3L - FNIHB - HEALTH FACILITY	SQ.M.	Health	Appendix C - PAB
A3M - FNIHB - ABORIGINAL HEAD START ON-RESERVE (AHSOR)	SQ.M.	Health	Appendix C - PAB
A3N - FNIHB - HEALTH PROFESSIONAL RESIDENCE / ACCOMMODATION	SQ.M.	Health	Appendix C - PAB
A3O - FNIHB - SUBSTANCE USE / ADDICTIONS TREATMENT CENTRE	SQ.M.	Health	Appendix C - PAB
A3P - FNIHB - DENTAL OFFICE	SQ.M.	Health	Appendix C - PAB
A3Q - FNIHB - OTHER HEALTH INFRASTRUCTURE	SQ.M.	Health	Appendix C - PAB
A3R - FNIHB - SUPPORT INFRASTRUCTURE	SQ.M.	Health	Appendix C - PAB
A4I - STUDENT RESIDENCE	SQ.M.	Education	Appendix C - PAB
A4L - TEACHERAGE	SQ.M.	Education	Appendix C - PAB
A5A - WATER SUPPLY/TREATMENT PLANT	SQ.M.	Community Buildings	Appendix B - Building
A5B - WASTEWATER TREATMENT DISPOSAL BLDG	SQ.M.	Community Buildings	Appendix B - Building
A5C - ELECTRICAL POWER GENERATION BLDG	SQ.M.	Community Buildings	Appendix B - Building
A5D - SOLID WASTE, DISPOSAL BLDG	SQ.M.	Community Buildings	Appendix B - Building
A5E - CENTRAL HEATING PLANT BLDG	SQ.M.	Community Buildings	Appendix B - Building
A6A - COMMUNITY REC./HALL/CULTURAL CTR	SQ.M.	Community Buildings	Appendix C - PAB
A6B - ARENA (NOT INCL. OUTDOOR)	SQ.M.	Community Buildings	Appendix C - PAB
A6C - GYMNASIUM	SQ.M.	Community Buildings	Appendix C - PAB
A6D - INDOOR SWIMMING POOL	SQ.M.	Community Buildings	Appendix C - PAB
A6E - CLUB HOUSE/YOUTH CTR/SENIOR CITIZEN DROP IN	SQ.M.	Community Buildings	Appendix C - PAB
B1A - HEATED WATER MAINS	METRES	Water	Appendix F - Linear
B1B - WATER MAINS	METRES	Water	Appendix F - Linear
B1C - WATER TREATMENT SYSTEM	EACH	Water	Appendix A - General
B1D - WATER TREATMENT UNIT	EACH	Water	Appendix A - General
B1E - WATER STORAGE	EACH	Water	Appendix A - General
B1F - COMMUNITY WELL	EACH	Water	Appendix A - General
B1G - WATER STANDPIPES (TRUCKFILL)	EACH	Water	Appendix A - General
B1H - HIGH LEVEL LIFT STATION	EACH	Water	Appendix A - General
B1I - LOW LEVEL LIFT STATION	EACH	Water	Appendix A - General
B2A - SANITARY MAIN	METRES	Wastewater	Appendix F - Linear
B2B - STORM MAIN	METRES	Wastewater	Appendix F - Linear
B2C - RBC/TRICKING FILTER	EACH	Wastewater	Appendix A - General
B2D - EXTENDED AERATION PLANT	EACH	Wastewater	Appendix A - General
B2E - LAGOON	EACH	Wastewater	Appendix A - General
B2F - COMMUNITY SEPTIC TANK/FIELD	EACH	Wastewater	Appendix A - General
B2G - JET PUMP DISPOSAL	EACH	Wastewater	Appendix A - General

ASSET CODE NAME	QTY	Category	Inspection Form
B2H - LIFT STATION	EACH	Wastewater	Appendix A - General
B2I - AERATED LAGOON	EACH	Wastewater	Appendix A - General
B2J - FORCE MAIN	METRES	Wastewater	Appendix F - Linear
B2Q - LOW PRESSURE CONNECTION	EACH	Wastewater	Appendix A - General
B3A - MINI-HYDRO	EACH	Electrical	Appendix A - General
B3B - DIESEL GENERATORS	EACH	Electrical	Appendix A - General
B3C - STREET LIGHTS	EACH	Electrical	Appendix F - Linear
B3D - TRANSMISSION LINES	KM	Electrical	Appendix F - Linear
B3E - DISTRIBUTION LINES	KM	Electrical	Appendix F - Linear
B4A - REFUSE SITE	EACH	Solid Waste	Appendix A - General
B4B - LANDFILL SITE	EACH	Solid Waste	Appendix A - General
B4C - INCINERATOR	EACH	Solid Waste	Appendix A - General
B4D - CLOSED LANDFILL SITE	EACH	Solid Waste	Appendix A - General
B4E - CLASS A TRANSFER STATION	EACH	Solid Waste	Appendix A - General
B4F - CLASS B TRANSFER STATION	EACH	Solid Waste	Appendix A - General
B4G - DROP-OFF CENTRE	EACH	Solid Waste	Appendix A - General
B4H - COMPOSTING FACILITY	EACH	Solid Waste	Appendix A - General
B4I - MATERIALS RECOVERY FACILITY	EACH	Solid Waste	Appendix A - General
B4J - WASTE-TO-ENERGY FACILITY	EACH	Solid Waste	Appendix A - General
B4K - WASTE REDUCTION EQUIPMENT	EACH	Solid Waste	Appendix A - General
B4L - GARBAGE COLLECTION SERVICE (OFF-RESERVE)	EACH	Solid Waste	Appendix A - General
B4M - GARBAGE COLLECTION SERVICE	EACH	Solid Waste	Appendix A - General
D1A - EARTH ROADS	KM	Roads & Bridges	Appendix D - Roads
D1B - GRAVEL ROADS	KM	Roads & Bridges	Appendix D - Roads
D1C - SURFACE TREATED ROADS	KM	Roads & Bridges	Appendix D - Roads
D1D - PAVED ROADS	KM	Roads & Bridges	Appendix D - Roads
D2A - VEHICULAR BRIDGES	SQ.M.	Roads & Bridges	Appendix E - Bridge
D2B - PEDESTRIAN BRIDGES	SQ.M.	Roads & Bridges	Appendix E - Bridge
D2C - LARGE CULVERTS	SQ.M.	Roads & Bridges	Appendix A - General
E1A - MINI-PUMPER (FIRE TRUCK)	EACH	Fire Protection	Appendix A - General
E1B - TRIPLE COMBINATION PUMPER (FIRE TRUCK)	EACH	Fire Protection	Appendix A - General
E1F - WILDLAND URBAN INTERFACE TRUCK (HEAVY BRUSH/HYBRID)	EACH	Fire Protection	Appendix A - General
E1G - TANKER TRUCK	EACH	Fire Protection	Appendix A - General
E2A - COMPACTOR (GARBAGE TRUCK)	EACH	Solid Waste	Appendix A - General
E2B - UNMODIFIED VEHICLE (GARBAGE TRUCK)	EACH	Solid Waste	Appendix A - General
E2C - GENERAL PURPOSE VEHICLE	EACH	Solid Waste	Appendix A - General
E2D - LONG-HAUL VEHICLE	EACH	Solid Waste	Appendix A - General
E3A - COMMERCIAL PUMPER (VACUUM TRUCK)	EACH	Wastewater	Appendix A - General
E3B - UNMODIFIED VEHICLE (VACUUM TRUCK)	EACH	Wastewater	Appendix A - General
E4A - COMMERCIAL TANKER (WATER TRUCK)	EACH	Water	Appendix A - General
E4B - UNMODIFIED VEHICLE (WATER TRUCK)	EACH	Water	Appendix A - General

APPENDIX Q

Asset Components & Deficiency Coding

Asset Code	Asset Name	ARV Tool Major & Main Components for 35-year forecast	Deficiency Code	Deficiency Components for Needs Identification
A**	**BUILDINGS**	Grounds	BU-GR-00	Grounds
			BU-GR-01	Landscaping
			BU-GR-02	Fences/Gates/Railings
			BU-GR-03	Retaining Walls
			BU-GR-04	Walkways
			BU-GR-05	Parking Area/Access Area
			BU-GR-06	Drainage
			BU-GR-07	Playground Equipment
			BU-GR-08	Paved Play Areas
			BU-GR-09	Unpaved Play Areas
		Building Exterior	BU-EX-00	Building Exterior
			BU-EX-01	Steps/Platforms/Ramps - Safety Egress
			BU-EX-02	Exterior Walls
			BU-EX-03	Sealants
			BU-EX-04	Painting
			BU-EX-05	Doors
			BU-EX-06	Windows
			BU-EX-07	Barrier Free Access
			BU-EX-08	Cladding
		Roof Surface Roof Surface 2	BU-RO-00	Roof Surface
			BU-RO-01	Surface
			BU-RO-02	Flashing
			BU-RO-03	Drains
			BU-RO-04	Roof Ventilation
			BU-RO-05	Insulation
		Building Interior and Finishes	BU-IF-00	Building Interior and Finishes
			BU-IF-01	Ceilings
			BU-IF-02	Floor Covering
			BU-IF-03	Painting
			BU-IF-04	Fitments
			BU-IF-05	Walls
			BU-IF-06	Doors
			BU-IF-07	Signage
			BU-IF-08	Barrier Free Access
			BU-IF-09	Housekeeping
			BU-IF-10	Additional Storage
			BU-IF-11	Specialty Equipment/Tools
		Mechanical - Heating and Ventilation	BU-HE-00	Heating
			BU-HE-01	Heating Unit
			BU-HE-02	Distribution (piping, valves, fittings)
			BU-HE-03	Furnace
			BU-HE-04	Boilers
			BU-HE-05	Heat Recovery

			BU-VE -00	Ventilation
			BU-VE -01	Fans
			BU-VE -02	Ducts
			BU-VE -03	Air Handling Units
			BU-VE -04	Air Inlets/Outlets
			BU-VE -05	Filters
		Mechanical - Air Conditioning	BU-AC-00	Air Conditioning
			BU-AC-01	Cooling Unit
			BU-AC-02	Heat Pumps
		Mechanical - Plumbing	BU-PL-00	Plumbing
			BU-PL-02	Fixtures
			BU-PL-04	Tanks
			BU-PL-05	Water Heating
		Electrical	BU-EL-00	Electrical
			BU-EL-01	Electrical Services
			BU-EL-02	Electrical Panels
			BU-EL-03	Electrical Wiring
			BU-EL-04	Emergency Power
			BU-EL-05	Exterior Lighting
			BU-EL-06	Interior Lighting
			BU-EL-07	Communications
			BU-EL-08	Security Alarm System
			BU-EL-09	Controls HVAC
			BU-EL-10	Controls Sprinklers
		Structure	BU-ST-00	Structure
			BU-ST-01	Structure Members - horizontal
			BU-ST-02	Structure Members - vertical
			BU-ST-03	Structure Members - stairs
			BU-ST-04	Structure Members - platforms/ramps
			BU-ST-05	Structure Members - shafts
			BU-ST-06	Structure Connections
			BU-ST-07	Roof Structure
		Substructure	BU-SB-00	Substructure
			BU-SB-01	Substructure - crawl space
			BU-SB-02	Substructure - foundation/slab on grade
			BU-SB-03	Substructure - basement
		Vertical Movement	BU-VM-00	Vertical Movement
			BU-VM-01	Stairs - Safety Egress
			BU-VM-02	Elevating Devices - Machinery/Car
		Fire, Life Safety	BU-FL-00	Fire, Life and Safety
			BU-FL-01	Fire Alarm System
			BU-FL-02	Fire Pump
			BU-FL-03	Standpipe and Hose Cabinets
			BU-FL-03	Standpipe and Hose Cabinets
			BU-FL-04	Extinguishers
			BU-FL-05	Sprinkler Systems
			BU-FL-06	Emergency Lighting
			BU-FL-07	Fire Exits
			BU-FL-08	Indoor Storage
			BU-FL-09	Outdoor Storage

			BU-FL-10	Garbage Disposal Area
			BU-FL-11	Fire Separation
			BU-FL-12	Fire Safety Plan and Occupant Load
			BU-FL-13	Fixed Suppression System (Kitchen/Science Lab Etc)
			BU-FL-14	Fire Department Connection
			BU-FL-15	Smoke Detector
		Specialty Rooms/Equipment	BU-SR-00	Speciality Rooms/Equipment
			BU-SR-01	Physics/Chemistry Laboratory
			BU-SR-02	Fire Hall - exhaust system
			BU-SR-03	Fire Hall - system for charging breathing apparatus
			BU-SR-04	Hazardous materials storage
		Site Services	BU-SS-00	Site Services
			BU-SS-01	Individual Septic Tank and Field
			BU-SS-02	Individual Well
			BU-SS-03	Water Service
			BU-SS-04	Sewer Service
			BU-SS-05	Storm Systems
		Decommissioning	BU-DE-01	Decommissioning
B1A	**HEATED WATER MAINS**	Heat Tracing	WM-HT-00	Heat Tracing
		Main Distribution Main Distribution 2	WM-PI-00	Water Piping
		Hydrants	WM-HY-00	Hydrants
			WM-HY-01	Hydrant Assembly
		Valves	WM-VA-00	Valves
		Specialty valves	WM-VA-01	Specialty valves
		Service Connections to property line	WM-SC-01	Service Connections to property line
		Decommissioning	WM-DE-01	Decommissioning
B1B	**WATER MAINS**	Main Distribution Main Distribution 2	WM-PI-00	Water Piping
		Hydrants	WM-HY-00	Hydrants
			WM-HY-01	Hydrant Assembly
		Valves	WM-VA-00	Valves
		Specialty valves	WM-VA-01	Specialty valves
		Service Connections to property line	WM-SC-01	Service Connections to property line
		Decommissioning	WM-DE-01	Decommissioning
B1C	**WATER TREATMENT SYSTEM**		WT-TS-00	Water Treatment System
		Coagulation	WT-CO-01	Coagulation
		Flocculation	WT-FL-01	Flocculation
		Sedimentation	WT-SE-00	Sedimentation
			WT-SE-01	Settling Tank
		Filtration	WT-FI-00	Filtration
			WT-FI-01	Gravity Filter
			WT-FI-02	Pressure Filter
			WT-FI-03	Carbon Filter
			WT-FI-04	Slow Sand Filter
			WT-FI-05	Reverse Osmosis

		UV disinfection	WT-UV-01	UV disinfection
		Chlorination	WT-CH-00	Chlorinator
			WT-CH-01	Chlorine Contact Chamber
		Contact Tank	WT-CT-01	Contact Tank
		PH Adjustment	WT-PH-01	PH Adjustment
		Sludge Control	WT-SC-01	Sludge Storage
			WT-SC-02	Sludge Pumps
		Absorption/Adsorption/Ion Exchange Process	WT-AP-01	Ion Exchange
			WT-AP-02	Absorption Process
		Flotation	WT-FT-01	Flotation
		Laboratory	WT-LA-01	Laboratory
		Pressure Reducing Valve	WT-PR-01	Pressure Reducing Valve
		Pumping Station	WT-PS-01	Booster Station
		Instrumentation and Controls	WT-IC-00	Instrumentation and controls
			WT-IC-01	Alarm System
			WT-IC-02	Meters/Gauges
			WT-IC-03	Stand-by Power
		Emergency Shower or Eyewash	WT-ES-01	Emergency Shower or Eyewash
		Decommissioning	WT-DE-01	Decommissioning
B1D	**WATER TREATMENT UNIT**		WT-TU-00	Water Treatment Unit
		Chlorination injection system	WT-CH-00	Chlorinator
			WT-CH-01	Chlorine Contact Chamber
		UV disinfection	WT-UV-01	UV disinfection
		Softening Unit	WT-SF-01	Softening Unit
		Instrumentation and controls	WT-IC-00	Instrumentation and controls
			WT-IC-01	Alarm System
			WT-IC-02	Meters/Gauges
			WT-IC-03	Stand-by Power
		Emergency Shower or Eyewash	WT-ES-01	Emergency Shower or Eyewash
		Decommissioning	WT-DE-01	Decommissioning
B1E	**WATER STORAGE**	Concrete Reservoir	WS-CR-00	Concrete Reservoir
			WS-CR-01	Wall/Roof
			WS-CR-02	Vent Screens
			WS-CR-03	Overflow Outlet Screen
		Steel Bolted Reservoir	WS-SR-00	Steel Bolted Reservoir
			WS-SR-01	Wall/Roof
			WS-SR-02	Vent Screens
			WS-SR-03	Overflow Outlet Screen
		Foundation - steel bolted reservoir	WS-SR-04	Foundation
			WS-AP-00	Access and Piping
		Ladder and Railings	WS-AP-01	Access Hatch
			WS-AP-02	Ladder
		Pipe Works (internal and external)	WS-AP-03	Piping
			WS-AP-05	Valves
		Electrical	WS-EL-01	Electrical
		Instrumentation and Controls	WS-IC-01	Instrumentation and Controls
		Fencing and Civil	WS-FC-01	Fencing and Civil
		Decommissioning	WS-DE-01	Decommissioning
B1F	**COMMUNITY WELLS**		WE-WE-00	Wells

		Casing	WE-CA-00	Casing
			WE-CA-01	Well Cap
		Surface Seal and Pitless Unit	WE-SS-01	Surface Seal and Pitless Unit
		Screen	WE-SC-01	Screen
		Venting	WE-VE-00	Venting
			WE-VE-01	Heating
			WE-VE-02	Ventilation
		Electrical	WE-EL-01	Electrical
		Instrumentation and Controls	WE-IC-00	Instrumentation and Controls
			WE-IC-01	Alarm System
			WE-IC-02	Meters/Gauges
		Well Pumps	WE-PU-01	Pump
		Pipe Works	WE-PW-00	Pipe Works
			WE-PW-01	Piping
			WE-PW-02	Valves
		Fencing and Civil	WE-FC-00	Fencing and Civil
			WE-FC-01	Surface Drainage
			WE-FC-02	Tank
		Chlorination	WE-CH-01	Chlorinator
		Decommissioning	WE-DE-01	Decommissioning
B1G	**WATER STANDPIPES**	Standpipe	SP-SP-00	Standpipe
			SP-ST-01	Structure/Housing
			SP-SO-01	Solenoid Switch
			SP-DB-01	Drawbar
			SP-FA-01	Faucet
			SP-IH-01	Interior Heater
		Decommissioning	SP-DE-01	Decommissioning
B1H	**HIGH LEVEL LIFTSTATION**		LS-LS-00	Water Liftstation
		Pipe Works	LS-PW-00	Pipe Works
			LS-PW-01	Piping
			LS-PW-02	Valves
		Booster Pumps & Pressure Tanks	LS-PU-00	Pumps
			LS-PU-01	Booster Pump
			LS-PU-02	Domestic Pump
			LS-PU-03	Pressure Tank
		Fire Pumps	LS-PU-04	Fire Pump
		UV disinfection	LS-UV-01	UV Disinfection
		Chlorination equipment	LS-CH-01	Chlorinator
		Electrical	LS-EL-01	Electrical
		Instrumentation and Controls	LS-IC-00	Instrumentation and Controls
			LS-IC-01	Alarm System
			LS-IC-02	Meter/Gauges
			LS-IC-03	Stand-by Power
		Fencing and Civil	LS-FC-01	Fencing and Civil
		Decommissioning	LS-DE-01	Decommissioning
B1I	**LOW LEVEL LIFTSTATION**		LS-LS-00	Water Liftstation
		Intake Structure	LS-IS-01	Intake Structure
		UV disinfection	LS-UV-01	UV disinfection
		Chlorination equipment	LS-CH-01	Chlorinator
		Pumps	LS-PU-00	Pumps

			LS-PU-01	Booster Pump
			LS-PU-02	Domestic Pump
			LS-PU-03	Fire Pump
		Pipe Works	LS-PW-00	Pipe Works
			LS-PW-01	Piping
			LS-PW-02	Valves
		Electrical	LS-EL-01	Electrical
		Instrumentation and Controls	LS-IC-00	Instrumentation and Controls
			LS-IC-01	Alarm System
			LS-IC-02	Meter/Gauges
			LS-IC-03	Stand-by Power
		Fencing and Civil	LS-FC-01	Fencing and Civil
		Decommissioning	LS-DE-01	Decommissioning
B1J	**GRAVITY INTAKE**		GI-GI-00	Gravity Intake
		Concrete Dam Face & Parapet	GI-CD-01	Concrete Dam Face & Parapet
		Concrete Plinth	GI-CP-01	Concrete Plinth
		Concrete Spillway Chute	GI-CS-01	Concrete Spillway Chute
		Intake Structure	GI-IS-01	Intake Structure
		Outlet Structure	GI-OS-01	Outlet Structure
		Rock Fill/Dam Embankment	GI-RF-01	Rock Fill/Dam Embankment
		Walkway, Rails, and Staircase	GI-WR-01	Walkway, Rails, and Staircase
		Bypass	GI-BP-01	Bypass
		Fencing and Civil	GI-FC-01	Fencing and Civil
		Decommissioning	GI-DE-01	Decommissioning
B1M	**WATER DELIVERY TYPE A - PLUMBE**	Water Delivery Type A - PLUMBE		
		Decommissioning		
B1N	**WATER DELIVERY TYPE B - NON-PL**	Water Delivery Type B - NON-PL		
		Decommissioning		
B1O	**CISTERN CLEANING**	Cistern Cleaning		
		Decommissioning		
B2A	**SANITARY MAIN**	Gravity Collection Mains		
		Gravity Collection Mains 2	GM-PI-01	Gravity Collection Piping
		Manholes	GM-MH-01	Manholes
		Catch Basins	GM-CB-01	Catch basins
		Service Connections to Property Line	GM-SC-01	Service Connections to property line
		Decommissioning	GM-DE-01	Decommissioning
B2B	**STORM MAIN**	Gravity Collection Mains		
		Gravity Collection Mains 2	GM-PI-01	Gravity Collection Piping
		Manholes	GM-MH-01	Manholes
		Catch basin	GM-CB-01	Catch basins
		Service Connections to Property Line	GM-SC-01	Service Connections to property line
		Headwalls (collection or exit)	GM-HW-01	Headwalls (collection or exit)
		Headwalls (collection or exit) 2		
		Sediment Pond	GM-SP-01	Sediment Pond
		Decommissioning	GM-DE-01	Decommissioning
B2C	**RBC/TRICKLING FILTER**		TF-TF-00	RBC/Trickling Filter

		Primary Treatment	TF-PT-01	Screens
		Rotating Biological Contactor/Trickling Filter	TF-RB-00	Rotating Biological Contactor/Trickling Filter
			TF-RB-01	RBC/Trickling Filter/Drive
			TF-RB-02	RBC/Trickling Filter/Media
		Clarification	TF-CL-01	Clarification
		Disinfection	TF-DI-01	Disinfection
		Tankage and cover	TF-TA-00	Tankage and cover
			TF-TA-01	Primary Tank
			TF-TA-02	Reactor Tank
			TF-TA-03	Secondary Tank
		Electrical	TF-EL-01	Electrical
		Instrumentation and Controls	TF-IC-00	Instrumentation and controls
			TF-IC-01	Alarm System
			TF-IC-02	Meter/Gauges
		Fencing and Civil	TF-FC-00	Fencing and Civil
			TF-FC-01	Fence
			TF-FC-02	Civil
			TF-FC-03	Outfall Line
		Disposal Field	TF-DF-01	Disposal Field
		Decommissioning	TF-DE-01	Decommissioning
B2D	**EXTENDED AERATION PLANT**		AE-AE-00	Extended Aeration Plant
		Primary Treatment	AE-PT-01	Screens
		Treatment Tanks	AE-TA-00	Tankage and cover
			AE-TA-01	Reactor Tank
			AE-TA-02	Secondary Tank
		Fencing and Civil	AE-FC-00	Fencing and Civil
			AE-FC-01	Fence
			AE-FC-02	Civil
			AE-FC-03	Outfall Line
		Headworks	AE-HW-01	Headworks
			AE-SL-00	Sludge
		Sludge Control	AE-SL-01	Sludge Control
		Sludge Dewatering System	AE-SL-02	Sludge Return
		Sludge Digester and Thickener	AE-SL-03	Sludge Disposal
		Clarification	AE-CL-01	Clarification
		Disinfection	AE-DI-01	Disinfection
		Aeration equipment	AE-EQ-01	Diffusers/Aerators
		Electrical	AE-EL-01	Electrical
		Instrumentation and Controls	AE-IC-00	Instrumentation and controls
			AE-IC-01	Alarm System
			AE-IC-02	Meter/Gauges
		Laboratory	AE-LA-01	Laboratory
		Decommissioning	AE-DE-01	Decommissioning
B2E	**LAGOON**	Lagoon earthworks	LA-LA-00	Lagoon
			LA-LA-01	Ponds
			LA-LA-02	Berms
			LA-LA-03	Inlet Structure
			LA-LA-04	Outlet Structure
		Lagoon Lining	LA-LI-01	Lining

		Effluent Dosing System	LA-DS-01	Dosing System
		Pipe works	LA-PW-00	Pipe Works
			LA-PW-01	Piping
			LA-PW-02	Valves
		Fencing and Civil	LA-FC-00	Fencing and Civil
			LA-FC-01	Fence
			LA-FC-02	Civil
		Instrumentation and Controls	LA-IC-01	Instrumentation and Controls
		Decommissioning	LA-DE-01	Decommissioning
B2F	**CTTY SEPTIC TANK AND FIELD**	Septic Tank	ST-ST-00	Septic Tank
		Septic Tank 2		
		Septic Tank 3		
		Disposal Field	ST-DF-00	Disposal Field
			ST-DF-01	Siphon Chamber
			ST-DF-02	Distribution Box
			ST-DF-03	Tile Field
		Effluent Dosing System	ST-DS-00	Dosing System
			ST-DS-01	Pumping
			ST-DS-02	Piping
		Equalization Chamber	ST-EC-01	Equalization Chamber
		Fencing and Civil	ST-FC-00	Fencing and Civil
			ST-FC-01	Fence
			ST-FC-02	Civil
		Decommissioning	ST-DE-01	Decommissioning
B2G	**JET-PUMP DISPOSAL**	Septic Tank	JP-ST-00	Septic Tank
		Septic Tank 2		
		Septic Tank 3		
		Disposal Field	JP-DF-00	Disposal Field
			JP-DF-01	Siphon Chamber
			JP-DF-02	Distribution Box
			JP-DF-03	Tile Field
		Effluent Dosing System	JP-DS-00	Dosing System
			JP-DS-01	Pumping
			JP-DS-02	Piping
		Electrical	JP-EL-01	Electrical
		Instrumentation and Controls	JP-IC-01	Instrumentation and Controls
		Equalization Chamber	JP-EC-01	Equalization Chamber
		Pumps - Wastewater	JP-PU-01	Pumps
		Fencing and civil	JP-FC-00	Fencing and Civil
			JP-FC-01	Fence
			JP-FC-02	Civil
		Decommissioning	JP-DE-01	Decommissioning
B2H	**LIFTSTATION**		LS-LS-00	Liftstation
		Wet Well	LS-WW-00	Wet Well
			LS-WW-01	Screens
			LS-WW-02	Floats
		Dry Well	LS-DW-01	Screens
		Holding Tank	LS-HT-01	Holding Tank
		Pumps - Wastewater	LS-PU-01	Pumps

		Odor Control	LS-OC-00	Odor Control
			LS-OC-01	Ventilation Equipment
		Guide Rails and Piping	LS-GR-01	Guide Rails/Piping
		Hoist	LS-HO-01	Hoist Equipment
		Electrical	LS-EL-01	Electrical
		Instrumentation and Controls	LS-IC-00	Instrumentation and Controls
			LS-IC-01	Alarm System
			LS-IC-04	Kiosk
		Fencing and Civil	LS-FC-00	Fencing and Civil
			LS-FC-01	Fence
			LS-FC-02	Civil
			LS-FC-03	Ladder
		Decommissioning	LS-DE-01	Decommissioning
B2I	**AERATED LAGOON**	Storage Cell Storage Cell 2	LA-SC-00	Storage Cell
			LA-SC-01	Ponds
			LA-SC-02	Berms
			LA-SC-03	Inlet Structure
			LA-SC-04	Outlet Structure
		Treatment Cell Treatment Cell 2	LA-TC-00	Treatment Cell
			LA-TC-01	Ponds
			LA-TC-02	Berms
			LA-TC-03	Inlet Structure
			LA-TC-04	Outlet Structure
		Effluent Dosing System	LA-DS-01	Dosing System
		Aeration	LA-EQ-01	Aeration Equipment
		Lagoon Lining	LA-LI-01	Lining
		Pipe Works	LA-PW-00	Pipe Works
			LA-PW-01	Piping
			LA-PW-02	Valves
		Fencing and Civil	LA-FC-00	Fencing and Civil
			LA-FC-01	Fence
			LA-FC-02	Civil
		Electrical	LA-EL-01	Electrical
		Instrumentation and Controls	LA-IC-00	Instrumentation and Controls
			LA-IC-01	Alarm System
		Decommissioning	LA-DE-01	Decommissioning
B2J	**FORCEMAIN**	Piping Piping 2	FM-PI-01	Piping
		Valves (Air release, Blowoffs, etc.)	FM-VA-01	Valves
		Decommissioning	FM-DE-01	Decommissioning
B2K	**SEWAGE OUTFALL**		SO-SO-00	Sewage Outfall
		Pipe	SO-PI-01	Pipe
		Diffuser	SO-DI-01	Diffuser
		Laterals	SO-LA-01	Laterals
		Anchors	SO-AN-01	Anchors
		wetlands	SO-WL-01	wetlands
		RI basins	SO-RI-01	RI basins
		Signage	SO-SI-01	Signage
		Decommissioning	SO-DE-01	Decommissioning

B2M	**SEWAGE PUMPOUT SERVICE**	Sewage Pumpout Service		
		Decommissioning		
B2Q	**LOW PRESSURE CONNECTION**	Low pressure connection	LP-LP-00	Low Pressure Connection
		Decommissioning	LP-DE-01	Decommissioning
B3A	**MINI-HYDRO**		MH-MH-00	Mini-Hydro
		Dam/reservoir	MH-DA-01	Dam/reservoir
		Intake	MH-IN-01	Intake
		Penstock	MH-PE-01	Penstock
		Turbine	MH-TU-01	Turbine
		Control panels	MH-CP-01	Control panels
		Generator.	MH-GE-01	Generator
		Decommissioning	MH-DE-01	Decommissioning
B3B	**DIESEL GENERATORS**	Generator	DG-GE-00	Generator
		Stand-by Power	DG-SP-01	Stand-by Power
		Transfer switch	DG-TS-01	Transfer switch
		Controls	DG-CO-01	Controls
		Decommissioning	DG-DE-01	Decommissioning
B3C	**STREET LIGHTS**	Street Lights Arm	SL-AR-01	Street Lights Arm
		Street Lights Lamp	SL-LA-01	Street Lights Lamp
		Light Pole	SL-LP-01	Light Pole
		Traffic Lights	SL-TL-01	Traffic Lights
		Base	SL-BA-01	Base
		Underground Conduit / Secondary Cable	SL-UC-01	Underground Conduit
			SL-SC-01	Secondary Cable
		Decommissioning	SL-DE-01	Decommissioning
B3D	**TRANSMISSION LINES**	Transmission line	TL-TL-00	Transmission line
		Power Poles	TL-PP-01	Power Poles
		Transformers	TL-TR-01	Transformers
		Decommissioning	TL-DE-01	Decommissioning
B3E	**DISTRIBUTION LINES**	Distribution line	DL-DL-00	Distribution line
		Power Poles	DL-PP-01	Power Poles
		Transformers	DL-TR-01	Transformers
		Decommissioning	DL-DE-01	Decommissioning
B4A	**REFUSE SITE**	Refuse Site	RS-RS-00	Refuse Site
			RS-CO-01	Compaction
			RS-FE-01	Fencing
			RS-AR-01	Access Road
		Decommissioning	RS-DE-01	Decommissioning
B4B	**LANDFILL SITE**		LF-LS-00	Landfill Site
		Liner / Grading Pad / Geotextile	LF-LI-00	Liner
			LF-LI-01	Soil Covering
			LF-LI-02	Compaction
			LF-LI-03	Vegetation Control
		Leachate Disposal System	LF-LD-01	Leachate Disposal System
		Leachate Piping	LF-LP-01	Leachate Piping
		Fencing	LF-FE-00	Fencing
			LF-FE-01	Access Road
			LF-SI-01	Signage
		Decommissioning	LF-DE-01	Decommissioning
B4C	**INCINERATOR**	Incinerator	IN-IN-00	Incinerator

			IN-CH-01	Chimney
			IN-AD-01	Ash door
			IN-SE-01	Seals
			IN-TH-01	Thermocouples
			IN-SA-01	Spark Arrestor
			IN-CO-01	Controls
		Decommissioning	IN-DE-01	Decommissioning
B4D	**CLOSED LANDFILL SITE**		LF-LS-00	Landfill Site
		Liner / Grading Pad / Geotextile	LF-LI-00	Liner
			LF-LI-01	Soil Covering
			LF-LI-02	Compaction
			LF-LI-03	Vegetation Control
			LF-MW-01	Monitoring Wells
		Leachate Disposal System	LF-LD-01	Leachate Disposal System
		Leachate Piping	LF-LP-01	Leachate Piping
		Fencing	LF-FE-00	Fencing
			LF-FE-01	Access Road
			LF-SI-01	Signage
		Decommissioning	LF-DE-01	Decommissioning
B4E	**CLASS A TRANSFER STATION**	Transfer Station Facility	TS-TS-00	Transfer Station Facility
			TS-VC-01	Vegetation controlled
			TS-FE-01	Fencing (i.e. site gated)
			TS-SA-01	Site access controlled/locked
			TS-RA-01	Ramp
			TS-RW-01	Retaining Wall
			TS-PL-01	Platform/Pad
			TS-AR-01	Access Road
			TS-SI-01	Signage
			TS-LS-01	Leachate System
		Decommissioning	TS-DE-01	Decommissioning
B4F	**CLASS B TRANSFER STATION**	Transfer Station Facility	TS-TS-00	Transfer Station
			TS-VC-01	Vegetation controlled
			TS-FE-01	Fencing (i.e. site gated)
			TS-RA-01	Ramp
			TS-RW-01	Retaining Wall
			TS-PL-01	Platform/Pad
			TS-AR-01	Access Road
			TS-SI-01	Signage
			TS-LS-01	Leachate System
		Decommissioning	TS-DE-01	Decommissioning
B4G	**WASTE DROP-OFF CENTRE**	Waste Drop-Off Facility	WD-WD-00	Waste Drop-Off Facility
			WD-FE-01	Fencing (i.e. site gated)
			WD-SI-01	Signage
			WD-AR-01	Access Road
		Decommissioning	WD-DE-01	Decommissioning
B4H	**COMPOSTING FACILITY**	Facility diverting organic materials	CF-CF-00	Composting Facility
			CF-FE-01	Fencing (i.e. site gated)
			CF-SI-01	Signage
			CF-AR-01	Access Road

		Decommissioning	CF-DE-01	Decommissioning
B4I	**MATERIALS RECOVERY FACILITY**	Facility receiving recyclable materials	MR-MR-00	Material Recovery Facility
			MR-FE-01	Fencing (i.e. site gated)
			MR-SI-01	Signage
			MR-AR-01	Access Road
		Decommissioning	MR-DE-01	Decommissioning
B4J	**WASTE-TO-ENERGY FACILITY**	Waste-to-energy facility for diverting organic materials	WE-WE-00	Waste-to-energy Facility
			WE-FE-01	Fencing (i.e. site gated)
			WE-SI-01	Signage
			WE-AR-01	Access Road
			WE-El-01	Electrical Components
			WE-HY-01	Hydraulic Components
			WE-ME-01	Mechanical Components
		Decommissioning	WE-DE-01	Decommissioning
B4K	**WASTE REDUCTION EQUIPMENT**	Waste volume reduction equipment (i.e. shredder, compactor, balers, etc.)	WR-WR-00	Waste Reduction Equipment
			WR-ME-01	Mechanical Components
			WR-RO-01	Rotor
			WR-DL-01	Door Latch
			WR-HY-01	Hydraulic Components
			WR-EL-01	Electrical Components
		Decommissioning	WR-DE-01	Decommissioning
B4L	**SOLID WASTE COLLECTION SERVICE (OFF-RESERVE)**	Waste Hauling and Disposal (off-reserve)		
		Decommissioning		
B4M	**GARBAGE COLLECTION SERVICE**	Garbage Collection Service (on-reserve)		
		Decommissioning		
C0A	**WHARF - NON REC**	Wharves	WF-AP-00	Approach
			WF-AP-01	Barriers
			WF-AP-02	Alignment
			WF-AP-03	Signing
			WF-AP-04	Embankments
			WF-DE-00	Deck
			WF-DE-01	Deck
			WF-DE-02	Railing/Guardrails
			WF-DE-03	Bullrails
		Structure	WF-ST-00	Structure
			WF-ST-01	Floats
			WF-ST-02	Piers
		Decommissioning	WF-DE-01	Decommissioning
C0B	**FLOAT - NON REC**	Floats	WF-AP-00	Approach
			WF-AP-01	Barriers
			WF-AP-02	Alignment
			WF-AP-03	Signing
			WF-AP-04	Embankments
			WF-DE-00	Deck
			WF-DE-01	Deck
			WF-DE-02	Railing/Guardrails
			WF-DE-03	Bullrails

		Structure	WF-ST-00	Structure
			WF-ST-01	Floats
			WF-ST-02	Piers
		Decommissioning	WF-DE-01	Decommissioning
D1A	**EARTH ROADS**	Surface - Earth	RO-DS-00	Driving Surface
			RO-DS-01	Barricades/Guardrails
			RO-DS-02	Intersections
			RO-DS-03	Railroad Crossings
			RO-DS-04	Retaining Structures
		Shoulders	RO-SH-01	Shoulders
		Subgrade	RO-SU-01	Subgrade
		Accesses	RO-AC-01	Sidewalks
			RO-AC-02	Handrails
			RO-DR-00	Drainage
		Drainage - Culverts	RO-DR-01	Culverts less than 3.0m Span
		Drainage - Ditching	RO-DR-03	Ditches
		Signage	RO-SI-01	Signing
		Decommissioning	RO-DE-01	Decommissioning
D1B	**GRAVEL ROADS**	Surface - Gravel	RO-DS-00	Driving Surface
			RO-DS-01	Barricades/Guardrails
			RO-DS-02	Intersections
			RO-DS-03	Railroad Crossings
			RO-DS-04	Retaining Structure
		Shoulders	RO-SH-01	Shoulders
		Granular Structure (Crush, Pitrun)	RO-ST-01	Granular Structure (Crush, Pitrun)
		Curbing	RO-CU-01	Curb & Gutter
		Accesses	RO-AC-01	Sidewalks
			RO-AC-02	Handrails
		Subgrade	RO-SU-01	Subgrade
			RO-DR-00	Drainage
		Drainage - Culverts	RO-DR-01	Culverts less than 3.0m Span
		Drainage - Ditching	RO-DR-03	Ditches
		Signage	RO-SI-01	Signing
		Decommissioning	RO-DE-01	Decommissioning
D1C	**SURFACE TREATED ROADS**	Surface - Bituminous surface treatment (BST)	RO-DS-00	Driving Surface
			RO-DS-01	Barricades/Guardrails
			RO-DS-02	Intersections
			RO-DS-03	Railroad Crossings
			RO-DS-04	Retaining Structure
		Shoulders	RO-SH-01	Shoulders
		Granular Structure (Crush, Pitrun)	RO-ST-01	Granular Structure (Crush, Pitrun)
		Subgrade	RO-SU-01	Subgrade
		Accesses	RO-AC-00	Accesses
		Sidewalk	RO-AC-01	Sidewalks
			RO-AC-02	Handrails
			RO-DR-00	Drainage
		Drainage - Culverts	RO-DR-01	Culverts less than 3.0m Span
		Drainage - Ditching	RO-DR-03	Ditches

		Curbing	RO-CU-01	Curb & Gutter
		Signage	RO-SI-01	Signing
		Decommissioning	RO-DE-01	Decommissioning
D1D	**PAVED ROADS**	Surface - Asphalt	RO-DS-00	Driving Surface
			RO-DS-01	Barricades/Guardrails
			RO-DS-02	Intersections
			RO-DS-03	Railroad Crossings
			RO-DS-04	Retaining Strucutre
		Shoulders	RO-SH-01	Shoulders
		Granular Structure (Crush, Pitrun)	RO-ST-01	Granular Structure (Crush, Pitrun)
		Subgrade	RO-SU-01	Subgrade
		Accesses	RO-AC-00	Accesses
		Sidewalk	RO-AC-01	Sidewalks
			RO-AC-02	Handrails
			RO-DR-00	Drainage
		Drainage - Culverts	RO-DR-01	Culverts less than 3.0m Span
		Drainage - Ditching	RO-DR-03	Ditches
		Curbing	RO-CU-01	Curb & Gutter
		Signage	RO-SI-01	Signing
		Decommissioning	RO-DE-01	Decommissioning
D2A	**VEHICULAR BRIDGES**		BR-BR-00	Bridge
		Scour Protection	BR-SC-01	Erosion Protection
		Approaches	BR-AP-00	Approaches
			BR-AP-01	Approach Barriers
			BR-AP-02	Alignment
		Embankments	BR-EM-00	Embankments
			BR-EM-01	Foundation
			BR-EM-02	Piles/Footings/Caps
			BR-FO-00	Foundation
		Foundation - Abutments	BR-FO-01	Abutments
		Foundation - Piers	BR-FO-02	Piers
		Foundation - Towers	BR-FO-03	Towers
		Foundation - Bearings	BR-FO-04	Bearings
		Superstructure (Beams/Trusses/Cables)	BR-SU-01	Superstructure (Beams/Trusses/Cables)
		Superstructure Diaphragms and Bracing	BR-SU-02	Superstructure Diaphragms and Bracing
		Deck	BR-DE-00	Deck
			BR-DE-01	Running Boards
			BR-DE-02	Curbs
			BR-DE-03	Deck Drainage
			BR-DE-04	Expansion Joints
			BR-DE-05	Gravel
			BR-DE-06	Pavement
			BR-DE-07	BST
D2A	**VEHICULAR BRIDGES (Cont.)**	Pedestrian Underpass	BR-UN-00	Pedestrian Underpass
			BR-UN-01	Pedestrian Handrails
			BR-UN-02	Structure
			BR-UN-03	Approaches

			BR-UN-04	Lighting
			BR-UN-05	Embankment
		Railings System	BR-RA-01	Railing/Guardrails
		Signage	BR-SI-01	Signing
		Supports for Utilities	BR-SU-01	Supports for Utilities
		Decommissioning	BR-DE-01	Decommissioning
D2B	**PEDESTRIAN BRIDGES**		BR-BR-00	Bridge
		Scour Protection	BR-SC-01	Erosion Protection
		Approaches	BR-AP-00	Approaches
			BR-AP-01	Approach Barriers
			BR-AP-02	Alignment
		Embankments	BR-EM-00	Embankments
			BR-EM-01	Foundation
			BR-EM-02	Piles/Footings/Caps
			BR-FO-00	Foundation
		Foundation - Abutments	BR-FO-01	Abutments
		Foundation - Piers	BR-FO-02	Piers
		Foundation - Towers	BR-FO-03	Towers
		Foundation - Bearings	BR-FO-04	Bearings
		Superstructure (Beams/Trusses/Cables)	BR-SU-01	Superstructure (Beams/Trusses/Cables)
		Superstructure Diaphragms and Bracing	BR-SU-02	Superstructure Diaphragms and Bracing
		Deck	BR-DE-00	Deck
			BR-DE-01	Running Boards
			BR-DE-02	Curbs
			BR-DE-03	Deck Drainage
			BR-DE-04	Expansion Joints
			BR-DE-05	Gravel
			BR-DE-06	Pavement
			BR-DE-07	BST
		Pedestrian Underpass	BR-UN-00	Pedestrian Underpass
			BR-UN-01	Pedestrian Handrails
			BR-UN-02	Structure
			BR-UN-03	Approaches
			BR-UN-04	Lighting
			BR-UN-05	Embankment
		Railings System	BR-RA-01	Railing/Guardrails
		Signage	BR-SI-01	Signing
		Supports for Utilities	BR-SU-01	Supports for Utilities
		Decommissioning	BR-DE-01	Decommissioning
D2C	**LARGE CULVERTS**	Culvert Culvert 2	LC-CU-00	Culvert
			LC-CU-01	Culverts less than 3.0m Span
			LC-CU-02	Culverts greater than 3.0m Span
			LC-CU-03	Roof
			LC-CU-04	Sidewall
			LC-CU-05	Floor
		Outlet Headwall	LC-OU-01	Outlet Headwall
		Inlet Headwall	LC-IN-01	Inlet Headwall

		Roadway Over Culvert	LC-RO-01	Roadway Over Culvert
		Scour Protection	LC-PR-01	Erosion Protection
		Embankments	LC-EM-01	Embankments
		Decommissioning	LC-DE-01	Decommissioning
D2D	**BOARDWALK**		BO-BO-00	Boardwalk
		Deck	BO-DE-00	Deck
			BO-DE-01	Running Boards
			BO-DE-02	Deck Drainage
			BO-DE-03	Expansion Joints
		Railing	BO-RA-01	Railings
		Foundation	BO-FO-00	Foundation
		Piles/beams/bracing	BO-FO-01	Piles/beams/bracing
		Decommissioning	BO-DE-01	Decommissioning
D2E	**HIGH BOARDWALK**		BO-BO-00	Boardwalk
		Deck	BO-DE-00	Deck
			BO-DE-01	Running Boards
			BO-DE-02	Deck Drainage
			BO-DE-03	Expansion Joints
		Railing	BO-RA-01	Railings
		Foundation	BO-FO-00	Foundation
		Piles/beams/bracing	BO-FO-01	Piles/beams/bracing
		Decommissioning	BO-DE-01	Decommissioning
D9A	**DYKE**	Dyke Fill	DY-DY-00	Dyke Fill
		Environmental	DY-EN-01	Environmental
		Rip Rap	DY-RR-01	Rip Rap
		Mobilization and Demobilization	DY-MO-01	Mobilization and Demobilization
		Filter Installation	DY-FI-01	Filter Installation
		Gates	DY-GA-01	Gates
		Roads and Pathways	DY-RO-01	Roads and Pathways
		Shot Rock	DY-SR-01	Shot Rock
		Flap valve	DY-FL-01	Flap valve
		Decommissioning	DY-DE-01	Decommissioning
E1A **E1B** **E1F** **E1G**	**MINI-PUMPER** **TRIPLE COMBINATION PUMPER** **WILDLAND URBAN INTERFACE TRUCK (HEAVY BRUSH/HYBRID)** **TANKER TRUCK**	Vehicle	VE-BO-00	Body/Chassis
			VE-BO-01	Steering
			VE-BO-02	Brakes
			VE-BO-03	Wipers
			VE-BO-04	Mirrors
			VE-BO-05	Body/Doors
			VE-BO-05	Body/Doors
			VE-BO-06	Chassis
			VE-BO-07	Vehicle Check Records (Pretrip etc)
			VE-BO-08	Commercial Vehicle Inspection (CVI)
			VE-EL-00	Electrical Systems
			VE-EL-01	Starter
			VE-EL-02	Lights
			VE-EL-03	Battery
			VE-EL-04	Sirens
			VE-EL-05	Heating and Air Conditioning System
			VE-EL-06	Communication Systems

			VE-PW-00	Powertrain
			VE-PW-01	Transmission
			VE-PW-02	Clutch
			VE-PW-03	Fluid Levels
			VE-PW-03	Fluid Levels
			VE-PW-04	Fuel Gauge
			VE-PW-05	Radiator
			VE-PW-06	Belts
			VE-PW-07	Tires
			VE-FA-00	Accessories
			VE-FA-01	Fire Extinguishers
			VE-FA-02	Hoses
			VE-FA-03	Lighting Equipment
			VE-FA-04	Entry Tools
			VE-FA-05	Ladders
			VE-FA-06	Salvage Equipment
			VE-FA-07	First Aid
			VE-FA-08	Protective Gear
			VE-FA-09	Vehicle Extrication
			VE-FA-10	Traffic Safety Equipment (Vests, Cones, Flares)
			VE-FA-11	Portable Radios
			VE-FA-12	Wheel Chocks
			VE-FA-13	Hydrant Kit (Hose Couplers, Spanners, Hydrant, Wrenches)
			VE-FP-00	Apparatus
			VE-FP-01	Pump Lever/Lock/Controls
			VE-FP-02	Pump Governor
			VE-FP-03	Pump/Drain Valve/Nozzles
			VE-FP-04	Controls
			VE-FP-05	Strainers
			VE-FP-06	Pressure Gauges
			VE-FP-07	Valves, Gaskets and Plumbing
			VE-FP-08	Pressure Relief Valve
			VE-FP-09	Foam System
			VE-FP-10	Lighting (scene, emergency vehicle flashers)
			VE-FP-11	Emergency Vehicle Technician Annual Inspection
			VE-FP-12	Pump
			VE-FP-13	Tank and Plumbing
			VE-FP-14	Flow Meter
		Decommissioning	VE-DE-01	Decommissioning
E1C	**PORT. FIRE PUMP TRAILER**	Port. Fire Pump Trailer	VE-BO-05	Body
			VE-BO-06	Chassis
			VE-FA-00	Accessories
			VE-FA-01	Fire Extinguishers
			VE-FA-02	Hoses
			VE-FA-03	Lighting Equipment
			VE-FA-04	Entry Tools

			VE-FA-05	Ladders
			VE-FA-06	Salvage Equipment
			VE-FA-07	First Aid
			VE-FA-08	Protective Gear
			VE-FA-09	Vehicle Extrication
			VE-FA-10	Traffic Safety Equipment (Vests, Cones, Flares)
			VE-FA-11	Portable Radios
			VE-FA-12	Wheel Chocks
			VE-FA-13	Hydrant Kit (Hose Couplers, Spanners, Hydrant, Wrenches)
			VE-FP-00	Apparatus
			VE-FP-01	Pump Lever/Lock/Controls
			VE-FP-02	Pump Governor
			VE-FP-03	Pump/Drain Valve/Nozzles
			VE-FP-04	Controls
			VE-FP-05	Strainers
			VE-FP-06	Pressure Gauges
			VE-FP-07	Valves, Gaskets and Plumbing
			VE-FP-08	Pressure Relief Valve
			VE-FP-09	Foam System
			VE-FP-10	Lighting (scene, emergency vehicle flashers)
			VE-FP-11	Emergency Vehicle Technician Annual Inspection
			VE-FP-12	Pump
			VE-FP-13	Tank and Plumbing
			VE-FP-14	Flow Meter
		Decommissioning	VE-DE-01	Decommissioning
E1D	**MINI-PUMPER CERTIFICATION**	Mini-Pumper Certification		
		Decommissioning		
E1E	**COMB. PUMPER CERTIFICATION**	Comb. Pumper Certification		
		Decommissioning		
E2A	**COMPACTOR**	Vehicle	VE-BO-00	Body/Chassis
			VE-BO-01	Steering
			VE-BO-02	Brakes
			VE-BO-03	Wipers
			VE-BO-04	Mirrors
			VE-BO-05	Body/Doors
			VE-BO-05	Body/Doors
			VE-BO-06	Chassis
			VE-BO-07	Vehicle Check Records (Pretrip etc)
			VE-BO-08	Commercial Vehicle Inspection (CVI)
			VE-EL-00	Electrical Systems
			VE-EL-01	Starter
			VE-EL-02	Lights
			VE-EL-03	Battery
			VE-EL-04	Sirens
			VE-EL-05	Heating and Air Conditioning System

			VE-EL-06	Communication Systems
			VE-PW-00	Powertrain
			VE-PW-01	Transmission
			VE-PW-02	Clutch
			VE-PW-03	Fluid Levels
			VE-PW-03	Fluid Levels
			VE-PW-04	Fuel Gauge
			VE-PW-05	Radiator
			VE-PW-06	Belts
			VE-PW-07	Tires
		Decommissioning	VE-DE-01	Decommissioning
E3A **E4A**	**COMMERCIAL PUMPER** **COMMERCIAL TANKER**	Vehicle	VE-BO-00	Body/Chassis
			VE-BO-01	Steering
			VE-BO-02	Brakes
			VE-BO-03	Wipers
			VE-BO-04	Mirrors
			VE-BO-05	Body/Doors
			VE-BO-05	Body/Doors
			VE-BO-06	Chassis
			VE-BO-07	Vehicle Check Records (Pretrip etc)
			VE-BO-08	Commercial Vehicle Inspection (CVI)
			VE-EL-00	Electrical Systems
			VE-EL-01	Starter
			VE-EL-02	Lights
			VE-EL-03	Battery
			VE-EL-04	Sirens
			VE-EL-05	Heating and Air Conditioning System
			VE-EL-06	Communication Systems
			VE-PW-00	Powertrain
			VE-PW-01	Transmission
			VE-PW-02	Clutch
			VE-PW-03	Fluid Levels
			VE-PW-03	Fluid Levels
			VE-PW-04	Fuel Gauge
			VE-PW-05	Radiator
			VE-PW-06	Belts
			VE-PW-07	Tires
			VE-WA-00	Apparatus
			VE-WA-01	Pump
			VE-WA-02	Pump Lever/Lock/Controls
			VE-WA-03	Pump Governor
			VE-WA-04	Pump/Drain Valve
			VE-WA-05	Controls
			VE-WA-06	Strainers
			VE-WA-07	Pressure Gauges
			VE-WA-08	Tank/Plumbing
			VE-WA-09	Valves/Gaskets
			VE-WA-10	Pressure Relief Valve
			VE-WA-11	Flow Meter

		Decommissioning	VE-DE-01	Decommissioning
E2B	**UNMODIFIED VEHICLE**	Vehicle	VE-BO-00	Body/Chassis
E2C	**GENERAL PURPOSE VEHICLE**		VE-BO-01	Steering
			VE-BO-02	Brakes
E2D	**LONG-HAUL VEHICLE**		VE-BO-03	Wipers
E3B	**UNMODIFIED VEHICLE**		VE-BO-04	Mirrors
E4B	**UNMODIFIED VEHICLE**		VE-BO-05	Body/Doors
			VE-BO-05	Body/Doors
			VE-BO-06	Chassis
			VE-BO-07	Vehicle Check Records (Pretrip etc)
			VE-BO-08	Commercial Vehicle Inspection (CVI)
			VE-EL-00	Electrical Systems
			VE-EL-01	Starter
			VE-EL-02	Lights
			VE-EL-03	Battery
			VE-EL-04	Sirens
			VE-EL-05	Heating and Air Conditioning System
			VE-EL-06	Communication Systems
			VE-PW-00	Powertrain
			VE-PW-01	Transmission
			VE-PW-02	Clutch
			VE-PW-03	Fluid Levels
			VE-PW-03	Fluid Levels
			VE-PW-04	Fuel Gauge
			VE-PW-05	Radiator
			VE-PW-06	Belts
			VE-PW-07	Tires
		Decommissioning	VE-DE-01	Decommissioning

APPENDIX R

General Asset Expected Life

Expected Service Lives

The topic of expected life for municipal infrastructure is extensive, due to the wide range of systems, different materials used over the years, and their ages. From literature research (various NRC asset management publications & International Infrastructure Management Manual) and discussions with several municipalities, a range of expected lives for common infrastructure and building components have been compiled as shown on the following Tables. Expected life should be based on the judgement of the qualified professional conducting the inspection this table is only provided as a guide.

B1 WATER SUPPLY & DISTRIBUTION

Components	Expected Lives(yrs.)
B Water Mains	
-Pipes (pvc)	100
-Hydrants, valves & services	50-100
C Water Treatment Plant	
-Civil & Structural	75
-Mechanical & Electrical	20-30
-Water Storage	50-80
E Water Storage	
-Steel tanks	35
-Concrete Reservoir	80
F Community Wells	
-Civil & Structural	80-100
-Mechanical & Electrical	25
H&I Lift stations	
-Civil & Structural	50-75
-Mechanical & Electrical	25
J Gravity Intake	75
L Pressure Reducing Station	25

B2 WASTE COLLECTION & DISPOSAL

A&B Sanitary Mains/Storm Mains	
-Pipes	100
-Manholes, Services	50-100
C&D RBC/Trickling Filter, Extended Aeration Plant	
-Civil & Structural	50-75
-Mechanical & Electrical	20-30
E Lagoon	
-Civil & Structural	75-100
-Mechanical & Electrical	20-30
F Community Septic Tank	50-75
-Tile Fields	20-50
H Lift Stations	
-Civil & Structural	50-75
-Mechanical & Electrical	25
I Aerated Lagoon	

Components	Expected Lives(yrs.)
D Transmission/Distribution Lines	
-Overhead Lines	25
-Transformers & Misc.	25
-Underground Cables	50

B4 SOLID WASTE COLLECTION & DISPOSAL

A Refuse Site	Depends on rate of filling
B Landfill Site	Depends on rate of filling
C Incinerator	
D Transfer Station	20
M Garbage Collection Service	n/a

B5 BULK FUEL STORAGE & DISTRIBUTION

A Storage - No Berm	
B Distribution	
C to **I** Various Storages	

D1 ROADS

A Earth Roads	100
-Top Dress & Re-grade MM	10
B Gravel Roads	100
-Top Dress & Re-grade MM	10
C Surface Treated Roads	100
-Resurfacing Major Maintenance	10
D Paved Roads	100
-Asphalt Repaving MM	30-50

D2 Bridges

A Vehicular	30-80
B Pedestrian	25
C Large Culverts	50-80
D Boardwalk	25
E High Boardwalk	25

D3 Culverts

A Longitudinal	50-80

-Civil & Structural	5-100	**B** Transverse	50-80
-Mechanical & Electrical	15-25		
J Forcemain	50	**D4 Ditches**	
K Sewage Outfall	5-100	**A** Roadside	
		B Drainage	
B3 ELECT. POWER SUPPLY & DIST.		**Z** Other	
B Diesel Generator			
-Power Alternator	30	**E VEHICLES**	
-Diesel Motor	10		
-Controls	50		
C Street Lights	20		

Building Elements	Expected Life	Building Elements	Expected Life
Concrete Foundations	75	Treated wood shingles	35
Concrete block foundations	50	Steel stairs	40
Wood pile foundations	30	Concrete stairs	50
Slab on grade	50	Drywall metal or wood studs	25
Wood structure, frame/post/plates	50	Concrete blocks	60
Concrete structure, beam/columns/etc	75	Laminated plastic-coated toilet cubicle	25
Steel structure, beam/column/etc	75	Painted wood toilet partition	20
Reinforced concrete floor slab	50	Hollow metal door	30
Metal decking with concrete topping	50	Hollow wood door	20
Structural wood framing,	40	Plastic laminated door	25
sheathing/joists/beams	30	Ceramic tile floor/wall	25
Corrugated metal deck	40	Wood veneer	40
Metal edged gypsum plank	35	Resilient vinyl floors	20
Stucco on metal studs	75	Carpet	12
Stone veneer	50	Wood flooring	40
Aluminum panel	40	Bituminous paving	8
Metal panel	30	Bituminous concrete paving	10
Plywood sidings	40	Precast paving	35
Cedar sidings	40	Concrete paving	20
Fixed glazed hardwood windows	35	Water pump	15
Operable glazed window	50	Hot water boiler	20
Weathering steel panel	75	Pipes and fittings	40
Ceramic tile	40	Drains	40
Metal door and frame	40	Heating units	15
Solid wood door	30	Rainwater pipes	40
Overhead metal door and frame	20	Switch gear	25
Asphalt built up roof	30	Cable	30
Galvanized steel roof	15	Lighting	20
Wood shingles			

APPENDIX S

Asset Codes

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
A. Buildings	1. Administrative	A1A	Office	A building or space in a building used as office space in which departmental program or band administrative and managerial activities take place. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Band offices, and administration buildings, band council buildings. **Typical exclusions:** Construction supervisor offices, rented office space, foreman offices in other classes of building (e.g. A2B garages), district offices not owned by the department.
		A1Z	Other	Non funded
	2. Operative	A2A	Trade Shop/ Workshop (municipal)	A building or space in a building where operation and maintenance activities are carried out. These would include equipment and vehicle repair; supplies, equipment and vehicle storage. **Unit of measurement**: Square metre, gross floor area (external dimension). **Typical inclusions**: Buildings used as workshops, storage or warehouses, including storage of educational supplies, equipment and vehicles; community freezer and ice storage houses; and boat houses when used for band O&M activities. **Typical exclusions**: Nursery or green houses, barns or stables, forest fire towers; operative buildings used for commercial or industrial purposes.
		A2B	Garage (municipal)	A building or space in a building where operation and maintenance activities are carried out. These would include equipment and vehicle repair; supplies, equipment and vehicle storage. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Buildings used as workshops, storage or warehouses, including storage of educational supplies, equipment and vehicles; community freezer and ice storage houses; and boat houses when used for band O&M activities. **Typical exclusions:** Nursery or green houses, barns or stables, forest fire towers; operative buildings used for commercial or industrial purposes.
		A2C	Warehouse (band)	A building or space in a building where operation and maintenance activities are carried out. These would include equipment and vehicle repair; supplies, equipment and vehicle storage. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Buildings used as workshops, storage or warehouses, including storage of educational supplies, equipment and vehicles; community freezer and ice storage houses; and boat houses when used for band O&M activities.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Typical exclusions: Nursery or green houses, barns or stables, forest fire towers; food banks; operative buildings used for commercial or industrial purposes.
		A2D	Nursery/Greenhouse	Non funded
		A2E	Barn/Stable	Non funded
		A2F	Forest Fire Tower	Non funded
		A2G	Warehouse (school)	A building or space in a building where operation and maintenance activities are carried out. These would include equipment and vehicle repair; supplies, equipment and vehicle storage. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Buildings used as workshops, storage or warehouses, including storage of educational supplies, equipment and vehicles; community freezer and ice storage houses; and boat houses when used for band O&M activities. **Typical exclusions:** Nursery or green houses, barns or stables, forest fire towers; food banks; operative buildings used for commercial or industrial purposes.
		A2Z	Other	Non funded
	3. Institutional	A3A	School	A building or space in a building where a curriculum at the kindergarten, primary, elementary or secondary level is taught which could include space for classrooms, industrial arts, home economics, computer science, commercial, library, gymnasium and directly associated support space (e.g. principal's office, staff room, washrooms, storage, etc.). **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Kindergarten, elementary and secondary schools including portable or temporary accommodation for school. **Typical exclusions:** Adult training centres, space used for post secondary education , museums, buildings used for storage of educational supplies and equipment which come under the operative class A2.
		A3B	Daycare Centre	A building or space in a building where educational and recreational activities below the kindergarten level are carried out. Space in the building may be provided for activity rooms, washrooms, office and staff rooms, kitchen, lunch room and storage. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Daycare centre including both permanent, portable or temporary accommodation. **Typical exclusions:** Schools. Space used for the care or rehabilitation of handicapped persons come under the institutional classification A3K, i.e. the training centre (trades, handicap) subclass.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		A3C	Clinic	Non funded
		A3D	Nursing Station	Non funded
		A3E	Library	Non funded
		A3F	Museum	Non funded
		A3G	Police Station	Non funded
		A3H	Fire Station	A building or part of a building which accommodates fire suppression, prevention and inspection activities. Activities taking place in the building would include storage and minor maintenance of fire fighting equipment and trucks, training, administration, control and dispatch of equipment. The building may include space for storage, workshop, office staff and training rooms/facilities. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** A single building or portion of a multipurpose building which must contain fire suppression apparatus. **Typical exclusions:** Material storage buildings; office space for fire inspector in band administration buildings.
		A3I	Church/Chapel	Non funded
		A3J	Laboratory	Non funded
		A3K	Training Centre (trades/handicap)	Non funded
		A3L	FNIHB - Health facility	Non funded
		A3M	FNIHB - Aboriginal Head Start On-Reserve (AHSOR)	Non funded
		A3N	FNIHB - Health Professional Residence / Accommodation	Non funded
		A3O	FNIHB - Substance use / Addictions Treatment Centre	Non funded
		A3P	FNIHB - Dental Office	Non funded
		A3Q	FNIHB - Other Health Infrastructure	Non funded
		A3R	FNIHB – Health Support Infrastructure	Non funded
		A3Z	Other	Non funded
	4. Residential	A4A	Single Family House	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		A4B	Semi-Detached House (side by side)	Non funded
		A4C	Row House	Non funded
		A4D	Apartment Building	Non funded
		A4E	Mobile Home/Trailer	Non funded
		A4F	Bunkhouse	Non funded
		A4G	Group Home	Non funded
		A4H	Dormitory	Non funded
		A4I	Student Residence	A building or part of a building where students reside who are attending school as described in the asset definition, School A3A. The facility serves as accommodation for the students in order for them to attend school. The accommodation could include sleeping quarters (rooms), dining facilities including cafeterias, washrooms, office space, recreational and storage rooms. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical exclusions:** Group homes; bunkhouses; hostels; transient centres.
		A4J	Duplex (up/down)	Non funded
		A4L	Teacherage	A housing unit furnished by the band or department located on a reserve which is used to provide living accommodation for teachers employed at departmental or band-operated schools. The accommodation would include those facilities normally associated with a residential unit. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Single-family houses, semi-detached houses, multiple-family houses, portables, mobile homes or trailers. **Typical exclusions:** Band housing, group homes, hotels, motels, student centres.
		A4Z	Other	Non funded
	5. Utility	A5A	Water Supply/Treatment	A building which contains equipment and materials to support the municipal services (Category B - Utility) function. The building may contain pumps, piping, tanks, water and wastewater treatment equipment, power generation equipment, as well as office, washroom, laboratory and storage space. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Water supply, distribution and treatment buildings, wastewater collection treatment and disposal buildings; electrical power generating plants. **Typical exclusions:** Buildings used strictly for storage (e.g. treatment materials), reservoirs, wells, stand pipes, garages for the storage and maintenance of water

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				and waste disposal vehicles; these buildings are to be included in the operative classification A2.
		A5B	Wastewater Treatment/Disposal	A building which contains equipment and materials to support the municipal services (Category B - Utility) function. The building may contain pumps, piping, tanks, water and wastewater treatment equipment, power generation equipment, as well as office, washroom, laboratory and storage space. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Water supply, distribution and treatment buildings, wastewater collection treatment and disposal buildings; electrical power generating plants. **Typical exclusions:** Buildings used strictly for storage (e.g. treatment materials), reservoirs, wells, stand pipes, garages for the storage and maintenance of water and waste disposal vehicles; these buildings are to be included in the operative classification A2.
		A5C	Electric Power Generation	A building which contains equipment and materials to support the municipal services (Category B - Utility) function. The building may contain pumps, piping, tanks, water and wastewater treatment equipment, power generation equipment, as well as office, washroom, laboratory and storage space. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Water supply, distribution and treatment buildings, wastewater collection treatment and disposal buildings; electrical power generating plants. **Typical exclusions:** Buildings used strictly for storage (e.g. treatment materials), reservoirs, wells, stand pipes, garages for the storage and maintenance of water and waste disposal vehicles; these buildings are to be included in the operative classification A2.
		A5D	Solid Waste Disposal	A building which contains equipment and materials to support the municipal services (Category B - Utility) function. The building may contain pumps, piping, tanks, water and wastewater treatment equipment, power generation equipment, as well as office, washroom, laboratory and storage space. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Water supply, distribution and treatment buildings, wastewater collection treatment and disposal buildings; electrical power generating plants. **Typical exclusions:** Buildings used strictly for storage (e.g. treatment materials), reservoirs, wells, stand pipes, garages for the storage and maintenance of water and waste disposal vehicles; these buildings are to be included in the operative classification A2.
		A5E	Central Heating Plant	A building which contains equipment and materials to support the municipal services (Category B - Utility) function. The building may contain pumps, piping,

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				tanks, water and wastewater treatment equipment, power generation equipment, as well as office, washroom, laboratory and storage space. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Water supply, distribution and treatment buildings, wastewater collection treatment and disposal buildings; electrical power generating plants. **Typical exclusions:** Buildings used strictly for storage (e.g. treatment materials), reservoirs, wells, stand pipes, garages for the storage and maintenance of water and waste disposal vehicles; these buildings are to be included in the operative classification A2.
		A5Z	Other	Non funded
	6. Recreational	A6A	Community Recreation/Hall/Cultural Centre	A building or space in a building where band or community recreation and cultural activities take place. These could include sports, exercise activities, community meetings, adult education cultural programs. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Types of buildings as listed above, curling rinks. **Typical exclusions:** Churches, museums, marina, outdoor rinks and outdoor swimming pools; camp grounds; booths; shelters; sports fields; rodeo grounds.
		A6B	Arena	A building or space in a building where band or community recreation and cultural activities take place. These could include sports, exercise activities, community meetings, adult education cultural programs. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Types of buildings as listed above, curling rinks. **Typical exclusions:** Churches, museums, marina, outdoor rinks and outdoor swimming pools; camp grounds; booths; shelters; sports fields; rodeo grounds.
		A6C	Gymnasium	A building or space in a building where band or community recreation and cultural activities take place. These could include sports, exercise activities, community meetings, adult education cultural programs. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Types of buildings as listed above, curling rinks. **Typical exclusions:** Churches, museums, marina, outdoor rinks and outdoor swimming pools; camp grounds; booths; shelters; sports fields; rodeo grounds.
		A6D	Indoor Swimming Pool	A building or space in a building where band or community recreation and cultural activities take place. These could include sports, exercise activities, community meetings, adult education cultural programs.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Unit of measurement: Square metre, gross floor area (external dimension). **Typical inclusions:** Types of buildings as listed above, curling rinks. **Typical exclusions:** Churches, museums, marina, outdoor rinks and outdoor swimming pools; camp grounds; booths; shelters; sports fields; rodeo grounds.
		A6E	Club House/Youth/Senior Citizen/Drop-in	A building or space in a building where band or community recreation and cultural activities take place. These could include sports, exercise activities, community meetings, adult education cultural programs. **Unit of measurement:** Square metre, gross floor area (external dimension). **Typical inclusions:** Types of buildings as listed above, curling rinks. **Typical exclusions:** Churches, museums, marina, outdoor rinks and outdoor swimming pools; camp grounds; booths; shelters; sports fields; rodeo grounds.
		A6F	Theatre	Non funded
		A6G	Kitchen Shelter	Non funded
		A6H	Shelter/Hut/Skate/Ball/Playground	Non funded
		A6Z	Other	Non funded
	7. Commercial	A7A	Store	Non funded
		A7B	Restaurant	Non funded
		A7C	Tavern	Non funded
		A7D	Laundromat	Non funded
		A7E	Arts and Crafts Centre	Non funded
		A7F	Radio/TV Satellite	Non funded
		A7G	Motel	Non funded
		A7H	Hotel	Non funded
		A7Z	Other	Non funded
	8. Industry	A8A	Fish Processing	Non funded
		A8B	Tannery	Non funded
		A8C	Machine Shop	Non funded
		A8D	Furniture Repair/Fabrication	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		A8E	Industrial Warehouse	Non funded
		A8F	Sawmill	Non funded
		A8G	School Bus Garage	Non funded
		A8H	Highway Department Building	Non funded
		A8Z	Other	Non funded
B. Utility	1. Water Supply & Distribution System	B1A	Heated Water Mains	All heat-traced piping used to convey water from source of supply to service line connection at the main. **Unit of measurement:** Metre. **Typical inclusions:** All associated valves and hydrants. **Typical exclusions:** Service lines from the service line connection at the main to the user.
		B1B	Water Mains	All piping (except heat traced - see B1A) used to convey water from source of supply to service line connection at the main. **Unit of measurement:** Metre. **Typical inclusions:** All associated valves and hydrants. **Typical exclusions:** Service lines from the service line connection at the main to the user.
		B1C	Water Treatment System	All equipment used for conventional water treatment. **Unit of measurement:** Each. **Typical inclusions:** Coagulation, flocculation, sedimentation, filtration, membranes, fluoride feed system, pH adjustment, GAC filtration, booster station, sludge storage, contact tank, absorption process, aerator and corrosion control. **Typical exclusions:** Host building.
		B1D	Water Treatment Unit	Equipment used for the treatment of a community water supply. **Unit of measurement:** Each. **Typical inclusions:** Softening unit,, pressure filter - iron/manganese, arsenic absorption, prefabricated RO unit, UV disinfection, chlorination injection system or equivalent treatment. Each of the above items is one treatment unit. **Typical exclusions:** Host building
		B1E	Water Storage	All above or below ground facilities 20,000 litres or larger to store water for community use. **Unit of measurement:** Each.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Typical inclusions: All drains, vents, overflows and related equipment. **Typical exclusions:** Pressure tanks -- these are considered to be included in B1F or B1H.
		B1F	Community Wells	All groundwater wells used to supply water to the community at large. **Unit of measurement:** Each. **Typical inclusions:** Well pump, pressure tanks and chlorination equipment. **Typical exclusions:** Host building.
		B1G	Water Standpipes	All equipment used for community watering points (standpipes). These would normally be provided on a piped water distribution system to enable users to collect their own water. **Unit of measurement:** Each. **Typical inclusions:** Heat-traced supply pipe, spring release mechanical valve and related equipment. **Typical exclusions:** Host building or shed; heated mains.
		B1H	High Level Lift station	All pumping facilities used to pressurize the main distribution system. In this case the source of raw water is usually either a community well or a low level pumphouse. **Unit of measurement:** Each. **Typical inclusions:** Pressure tanks, pumps, piping, valves and chlorination equipment. **Typical exclusions:** Host building. High Level Lift Station that is part of a Water Treatment System (see definition for Water Treatment System-B1C).
		B1I	Low Level Lift station	All equipment to pump water from a surface water supply to treatment facilities or storage. **Unit of measurement:** Each. **Typical inclusions:** Intake line, raw well chamber, pumps, piping, valves and chlorination equipment. **Typical exclusions:** Host building
		B1J	Gravity Intakes	Non funded
		B1L	Pressure Reducing Stations	Non funded
		B1M	Water Delivery Type A – Plumbing	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		B1N	Water Delivery Type B – Non-plumbing	Non funded
		B1O	Cistern Cleaning	Non funded
		B1P	Community Water System	Non funded
		B1Z	Other	Non funded
	2. Wastewater Collection & Disposal System	B2A	Sanitary Main	All piping used to transport wastewater from service line connection at the main to a community treatment plant or adjacent municipal connection. **Unit of measurement:** Metre. **Typical inclusions:** Network of gravity mains, manholes, and appurtenances associated with wastewater collection. **Typical exclusions:** Service lines from the user to the service line connection at the main; lift stations and force mains.
		B2B	Storm Main	All piping used to collect surface drainage from storm runoff. **Unit of measurement:** Metre. **Typical inclusions:** Network of gravity mains, manholes and catch basins. **Typical exclusions:** Ditches and culverts.
		B2C	RBC/Trickling Filter	Mechanical treatment plant designed to treat community wastewater. **Unit of measurement:** Each. **Typical inclusions:** All equipment, tanks, filter media and processes associated with biological treatment; gravity outfall lines. **Typical exclusions:** Host building.
		B2D	Extended Aeration Plant	Mechanical treatment plant designed to treat community wastewater. **Unit of measurement:** Each. **Typical inclusions:** All equipment, tanks, aeration system and processes associated with biological treatment; gravity outfall lines. **Typical exclusions:** Host building.
		B2E	Lagoon	Earthen basin(s) designed to treat community wastewater. **Unit of measurement:** Each. **Typical inclusions:** All lagoon cells, inlet and outlet devices, piping and processes associated with biological treatment; gravity outfall lines. **Typical exclusions:** Lift station and force main.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		B2F	Community Septic Tank & Field	Community septic tank/holding tank designed for wastewater disposal. **Unit of measurement:** Each. **Typical inclusions:** Disposal field.
		B2G	Jet-Pump Disposal	Community septic tank designed for wastewater disposal by means of a sewage ejector system. **Unit of measurement:** Each.
		B2H	Lift station	All equipment used to lift wastewater from a low point in a collection system to a higher elevation. **Unit of measurement:** Each. **Typical inclusions:** Dry well, wet well, pumps, piping, valves and control panel. **Typical exclusions:** Host building.
		B2I	Aerated Lagoon	Lagoon designed to treat community wastewater by means of mechanical aeration. **Unit of measurement:** Each. **Typical inclusions:** All lagoon cells, piping, aeration equipment and processes associated with biological treatment; gravity outfall lines. **Typical exclusions:** Buildings housing mechanical treatment equipment.
		B2J	Force main	All piping used to transport wastewater from a sewage lift station to a gravity collection system or community treatment plant. **Unit of measurement:** Metre. **Typical inclusions:** All pressure mains and appurtenances.
		B2K	Sewage Outfall	Non funded
		B2L	Other	Non funded
		B2M	Sewage Pump out Service	Non funded
		B2P	Community Sewer System	Non funded
		B2Q	Low Pressure Connection	System to transport wastewater from user to community treatment plant or adjacent municipal connection through low pressure mains, septic tanks to settle the solids and pumps (non-grinder) to pump liquid from the septic tank to the mains. **Unit of measurement:** Each **Typical inclusions:** Septic tanks, pumps (non-grinder) and piping.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		B2Z	Other	Non funded
	3. Electrical Power Supply & Distribution System	B3A	Mini-Hydro	Band-owned water driven electric power generating source on reserves usually in combination with standby diesel-driven generators, rated in kW. **Unit of measurement:** Each. **Typical inclusions:** Dam, water intake system and control. **Typical exclusions:** Generator, building, wind generation.
		B3B	Diesel Generators	Band-owned diesel-engine driven electric power generating source on reserves, consisting of one or two units with no synchronizability and a minimum of three units with synchronizability, rated in kW. **Unit of measurement:** Each. **Typical inclusions:** Control panels. **Typical exclusions:** Diesel generator building.
		B3C	Street Light	Band-owned street lights, usually installed on existing power distribution poles, and typically consisting of high-pressure sodium 150 watt lamps and lights. **Unit of measurement:** Each. **Typical inclusions:** Lighting fixtures, mounting hardware, power connection, control and grounding. **Typical exclusions:** Street lights provided under contract by Power Supply Authority.
		B3D	Transmission Lines	Band-owned transmission line, supplying electrical power to a reserve from some remote/outside source. Transmission is almost exclusively via an overhead pole line. **Unit of measurement:** Kilometre. **Typical inclusions:** Pole line and substation.
		B3E	Distribution Lines	Band-owned distribution line, distributing power on the reserve from the transmission substation or local generating plant to the various users. Distribution is usually via an overhead pole line with the possible exception of an underground cable run to a school, based on specific site requirements. **Unit of measurement:** Kilometre. **Typical inclusions:** Pole line, transformers, fuses, lightning arresters, guying, tap-offs to loads. **Typical exclusions:** Transmission line and substation
		B3Z	Other	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
	4. Solid Waste Collection & Disposal System	B4A	Refuse Site	An area used for the disposal of solid waste (garbage dump/pit). **Unit of measurement:** Each. **Typical exclusions:** Vehicles associated with operation.
		B4B	Landfill Site	An area assigned to receive solid waste including spreading, compaction and covering waste with soil. **Unit of measurement:** Each. **Typical exclusions:** Garbage dump/pit. Vehicles associated with operation.
		B4C	Incinerator (new assets limited)	All equipment used in the incineration of community solid waste. **Unit of measurement:** Each. **Typical exclusions:** Incinerators servicing individual facilities such as schools. Excludes 45 gallon drums.
		B4D	Closed Landfill Site	Inactive engineered landfills and dumps. **Unit of measurement:** Each.
		B4E	Class A Transfer Station	A facility that includes indoor work spaces for the reception and sorting of garbage and recyclables prior to their transfer to long-haul vehicles. **Unit of measurement:** Each. **Typical inclusions:** Areas to store special wastes (including household hazardous waste); drop-off point for garbage, recyclables, compost and special wastes.
		B4F	Class B Transfer Station	An outdoor installation to receive garbage and recyclables for transfer onto long-haul vehicles. **Unit of measurement:** Each. **Typical inclusions:** Areas to store special wastes (including household hazardous waste); drop-off point for garbage, recyclables, compost and special wastes.
		B4G	Drop-off Centre	Site equipped with bins where residents drop off recyclables or garbage (post-diversion residuals), or both. **Unit of measurement:** Each. **Typical inclusions:** Trailer-mounted bins to facilitate towing to transfer station.
		B4H	Composting Facility	A facility or multiple small facilities for diverting organic materials from landfills. **Unit of measurement:** Each. **Typical inclusions:** A facility with a form of biological treatment such as composting or anaerobic digestion.
		B4I	Materials Recovery Facility	A facility for receiving recyclable materials diverted from landfills. **Unit of measurement:** Each.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Typical inclusions: A processing plant housed in a building where recyclables (such as paper, metal, plastic, and glass) are re-processed into raw materials for new products.
		B4J	Waste To-Energy Facility	A thermal or biological waste-to-energy facility for diverting organic materials from landfills. **Unit of measurement:** Each. **Typical inclusions:** Energy from waste organic matter by thermal conversion into gaseous fuel or heat energy or by anaerobic digestion to create gas-phase fuel.
		B4K	Waste Reduction Equipment	An asset that reduces the volume of waste entering a facility. **Unit of measurement:** Each. **Typical inclusions:** A machine, asset or mechanism used to reduce the size of material such as waste. This can be accomplished through compaction, shredding, etc.
		B4L	Garbage Collection Service (Off-Reserve)	Overhead to deliver sorted or unsorted solid wastes from reserve boundary to off-reserve receiver (such as a recycler, landfill, or incinerator). **Unit of measurement:** Each. **Typical inclusions:** Solid waste program management and vehicle driver; transfer vehicle fuel; and disposal fees. **Typical exclusions:** Cost of staff for sorting facility, transfer station, landfill, or incinerator; or O&M for transfer vehicle, transfer station, incinerator, or landfill.
		B4M	Garbage Collection Service	Overhead for on-reserve collection of sorted or unsorted solid wastes and their delivery to an on-reserve site (such as a composting facility, sorting/transfer station; landfill, or incinerator). **Unit of measurement:** Each. **Typical inclusions:** Solid waste program management and collection staff; solid waste program consumables (heat, light, collection vehicle fuel). **Typical exclusions:** Cost of staff for sorting facility, transfer station, landfill, or incinerator; O&M for collection vehicles, haul vehicles, transfer stations, incinerators, or landfills.
		B4Z	Other	Non funded
	5. Bulk Fuel Storage & Distribution System	B5A	Storage – Non-bermed	Non funded
		B5B	Distribution	Non funded
		B5C	Storage - Bermed	Non funded
		B5D	Storage - Bermed and Lined	Non funded
		B5E	Storage – Self-contained	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		B5F	Storage - Underground Tanks	Non funded
		B5G	Storage - Day Tanks	Non funded
		B5H	Storage - Commercial	Non funded
		B5I	Storage - Third Party	Non funded
		B5Z	Other	Non funded
	6. Central Heating & Distribution System	B6A	Generation	Non funded
		B6B	Distribution	Non funded
		B6Z	Other	Non funded
C. Grounds	0. Ports	C0A	Wharf – Non-recreational	Non funded
		C0B	Float – Non-recreational	Non funded
		C0C	Wharf – Recreational	Non funded
		C0Z	Other	Non funded
	1. Grass	C1A	Unmaintained	Non funded
		C1B	Maintained	Non funded
		C1Z	Other	Non funded
	2. Parking/ Compounds	C2A	Paved	Non funded
		C2B	Gravel	Non funded
		C2C	Unmaintained	Non funded
		C2Z	Other	Non funded
	3. Trees	C3A	Ornamental	Non funded
		C3B	Forest	Non funded
		C3Z	Other	Non funded
	4. Sidewalks	C4A	Concrete	Non funded
		C4B	Asphalt	Non funded
		C4C	Gravel	Non funded
		C4D	Trail	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		C4Z	Other	Non funded
	5. Playgrounds	C5A	Tot Lot	Non funded
		C5B	Ball Diamond	Non funded
		C5C	Soccer/Football	Non funded
		C5D	Outdoor Hockey Rink	Non funded
		C5E	Outdoor Pool	Non funded
		C5F	Picnic Area	Non funded
		C5G	Developed Beach Area	Non funded
		C5H	Tennis Court	Non funded
		C5I	Track and Field	Non funded
		C5Z	Other	Non funded
	6. Cemetery	C6A	No Subclass	Non funded
		C6B	Other	Non funded
	7. Airfield	C7A	Grass	Non funded
		C7B	Paved	Non funded
		C7Z	Other	Non funded
	8. Fire Breaks	C8A	No Subclass	Non funded
		C8Z	Other	Non funded
	9. Camping Grounds	C9A	Sites	Non funded
		C9Z	Others	Non funded
D. Transportation	1. Roads	D1A	Earth Roads	Seasonal roads constructed of native materials without the addition of surface improvement materials such as gravel. **Unit of measurement:** Kilometre.
		D1B	Gravel Roads	Roads with a riding surface constructed of crushed, screened or native gravel. **Unit of measurement:** Kilometre
		D1C	Surface Treated Roads	Roads with low class asphaltic surfaces such as chip seals, bituminous surface treatments, oil treatments, etc.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Unit of measurement: Kilometre
		D1D	Paved Roads	Roads with a riding surface paved with a hot mixed asphaltic concrete. **Unit of measurement:** Kilometre
	2. Bridges	D2A	Vehicular Bridges	Bridges designed to carry vehicular traffic. **Unit of measurement:** Square metres of deck area.
		D2B	Pedestrian Bridges	Bridges designed to carry pedestrian traffic only. **Unit of measurement:** Square metres of deck area.
		D2C	Large Culverts	Structures with a span (width of opening) exceeding three metres which are placed under a road embankment for the passage of surface water, livestock or pedestrians. **Unit of measurement:** Square metres on plan.
	Reserve Bridges	D2D	Boardwalk	Non funded
		D2E	High Boardwalk	Non funded
	3. Culverts	D3A	Longitudinal	Non funded
		D3B	Transverse	Non funded
		D3Z	Other	Non funded
	4. Ditches	D4A	Roadside	Non funded
		D4B	Drainage	Non funded
		D4Z	Other	Non funded
	5. Traffic Control Devices	D5A	Signs	Non funded
		D5B	Traffic Lights	Non funded
		D5Z	Other	Non funded
	6. Ferries	D6A	Vehicular	Non funded
		D6B	Pedestrian	Non funded
		D6Z	Other	Non funded
	7. Other Roads	D7A	Third Party Roads	Non funded
		D7B	Private Access Roads	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		D7C	Private Entrances	Non funded
		D7D	Off-Reserve Roads	Non funded
		D7E	Causeway	Non funded
	8. Other Bridges	D8A	Third Party Bridges	Non funded
		D8B	Private Access Bridges	Non funded
		D8C	Private Entrance Bridges	Non funded
		D8D	Off-Reserve bridges	Non funded
	9. Other Structures	D9A	Dyke	Non funded
		D9B	Seawall	Non funded
		D9C	Retaining Wall	Non funded
		D9Z	Other	Non funded
E. Vehicles	1. Fire	E1A	Mini-Pumper	Truck with either 4 x 2 or 4 x 4 wheel drive. Gross Vehicle Weight Rating (GVWR) 4,889 to 5,896 kg (11,000 to 13,000 lb). Fire fighting pump rated at 1,363 litres per minute (300 gallons per minute). Water tank capacity 1,591 litres (350 gallons) or smaller. **Unit of measurement:** Each.
		E1B	Triple Combination Pumper	Truck with either 4 x 2 or 4 x 4 wheel drive. Gross Vehicle Weight Rating (GVWR) 6,550 to 15,876 kg (14,000 to 35,000 lb). With a fire fighting capability to: a. pump water from its own reservoir; b. draft water from a source; c. increase water pressure from a source such as a hydrant, or to a source such as a building sprinkler system. The fire fighting pump may have a rating from 1,932 to 3,750 litres per minute (425 to 825 gallons per minute). Water tank capacity from 2,279 litres to 9,092 litres (500 to 2,000 gallons). **Unit of measurement:** Each.
		E1C	Portable Fire Pump Trailer	Non funded
		E1F	Wildland Urban Interface Truck (Heavy Brush/Hybrid)	**Non funded** Fire Truck 4 x 4 (4 wheel drive), Gross Vehicle Weight Rating (GVWR) – 4,491 – 8,164kg (14,000 - 18,000lb) Fire Fighting pump rated at 1,909 L/min (420 GPM), Water Tank Capacity – Minimum – 1363 L (300 gallon) tank • 1,363- 2271.25 liters (300-600 gallons) **Unit of measurement:** Each.
		E1G	Tanker Truck	**Non funded** Truck 4 x 2 (2 wheel drive) or 4 x 4 wheel drive (4 wheel drive)

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
				Gross Vehicle Weight Rating: • (GVWR) – 18,597 to 33,565 kg (41,000 to 74,000 lbs.) Water Tank Capacity: • 7,570 to 15,141 liters (2,000 to 4,000 gallons) **Unit of measurement:** Each.
		E1Z	Other (Fire fighting vehicles)	**Non funded** Motor vehicle chassis of any size or a towed trailer of any size not specifically designed as a fire truck but which is equipped with a tank and/or pump.
	2 Solid Waste	E2A	Compactor / Heavy collection vehicule	A motor vehicle chassis ranging from 5,896 to 15,876 kg (13,000 to 35,000 lb) Gross Vehicle Weight Rating (GVWR), fitted with a closed container with hydraulic capability to compress solid waste. Loading may be accessible from the rear or either side. **Unit of measurement:** Each.
		E2B	Unmodified Vehicle	A motor vehicle chassis of any size, fitted with a closed or open container which is dedicated part time to the purpose of collecting solid waste. **Unit of measurement:** Each.
		E2C	General Purpose Vehicle	A motor vehicle chassis of any size, fitted with a closed or open container which is dedicated part time to the purpose of collecting solid waste. **Unit of measurement:** Each.
		E2D	Long-haul Vehicle	**Unit of measurement:** Each. **Typical inclusions:** Pickup truck, skid steer, mini telehandler, tracked or wheeled vehicle for moving or compacting solid wastes, trailer for mounting mobile recycling bins.
		E2Z	Other	**Non funded** A motor vehicle chassis of any type or a towed trailer used for the purpose of collection of solid waste on an infrequent or as-necessary basis.
	3. Liquid Waste	E3A	Commercial Pumper	A motor vehicle chassis ranging from 7,711 to 15,876 kg (17,000 to 35,000 lb) Gross Vehicle Weight Rating (GVWR) commercially designed with special tanks with a capacity range of 2,273 to 6,819 litres, (500 to 1,800 gallons) or more to be used for the purpose of pumping liquid waste water. Pump capacity and type may vary. **Unit of measurement:** Each.
		E3B	Unmodified Vehicle	A motor vehicle of any chassis size onto which a portable tank and pump has been temporarily mounted for the purposes of pumping and collecting wastewater as required. **Unit of measurement:** Each.

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		E3Z	Other	**Non funded** A motor vehicle chassis of any type or a towed trailer with a tank and/or without a pump used for the purpose of collecting wastewater, on an infrequent or as-required basis.
	4. Water Delivery	E4A	Commercial Tanker	A motor vehicle ranging from 7,712 to 15,876 kg (17,000 to 35,000 lb) Gross Vehicle Weight (GVWR), fitted with a permanently mounted tank with a capacity ranging from 2,954 to 6,819 litres (650 to 1,500 gallons) either with a pump or gravity dispensing system. *Note: Some of these vehicles may have a fire fighting capability by the use of an extra pump for pressurizing water (i.e. combination water delivery/fire fighting vehicle).* **Unit of measurement:** Each
		E4B	Unmodified Vehicle	A motor vehicle of any chassis size onto which a portable tank is temporarily mounted for the purpose of delivering potable water, using either a pump or gravity for delivery. **Unit of measurement:** Each.
		E4Z	Other	**Non funded** A portable water tank used for delivery of potable water to a dwelling: a. installed on the rear of a vehicle; or b. a tank trailer, or c. a tank mounted on a single wheeled axle.
	5. Education	E5A	School Bus 12	Non funded
		E5B	School Bus 25	Non funded
		E5C	School Bus 40	Non funded
		E5D	School Bus 72	Non funded
		E5Z	Other	Non funded
	6. Band Administration	E6A	Car, Sedan	Non funded
		E6B	Car, Station Wagon	Non funded
		E6C	Truck, ½ Ton	Non funded
		E6D	Truck, ¾ Ton	Non funded
		E6E	Van	Non funded
		E6Z	Other	Non funded
	7. Construction	E7A	Backhoe	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		E7B	Bulldozer D4	Non funded
		E7C	Bulldozer D6	Non funded
		E7D	Bulldozer D7	Non funded
		E7E	Bulldozer Other	Non funded
		E7F	Compactor, Plate	Non funded
		E7G	Compactor, Roller	Non funded
		E7H	Compressor, Portable	Non funded
		E7I	Equipment, Thawing	Non funded
		E7J	Front End Loader	Non funded
		E7K	Generator, Portable	Non funded
		E7L	Grader	Non funded
		E7M	Miscellaneous	Non funded
		E7N	Pump, Portable	Non funded
		E7O	Trailer	Non funded
		E7P	Trailer	Non funded
		E7Q	Truck, ½ Ton	Non funded
		E7R	Truck, ¾ Ton	Non funded
		47S	Truck, Dump, 3 Ton	Non funded
		E7T	Truck, Dump, 5 Ton	Non funded
		E7U	Truck, Dump, Other	Non funded
		E7Z	Other	Non funded
	8. Commercial	E8A	Backhoe	Non funded
		E8B	Bulldozer	Non funded
		E8C	Car, Sedan	Non funded
		E8D	Car, Station Wagon	Non funded
		E8E	Compactor, Plate	Non funded
		E8F	Compactor, Roller	Non funded

Asset Category	Asset Class	Asset Code	Asset Subclass	Definition
		E8G	Compressor, Portable	Non funded
		E8H	Equipment, Thawing	Non funded
		E8I	Front End Loader	Non funded
		E8J	Generator, Portable	Non funded
		E8K	Grader	Non funded
		E8L	Miscellaneous	Non funded
		E8M	Pump, Portable	Non funded
		E8N	Trailer	Non funded
		E8O	Truck, ½ Ton	Non funded
		E8P	Truck, ¾ Ton	Non funded
		E8Q	Truck, Dump	Non funded
		E8Z	Other	Non funded

APPENDIX T

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Appendix B: ISC Contact Information

Notes:

1) *Pages should be numbered, and the numbers should be shown in the Table of Content.*
2) *The page numbering in the digital version of the report should match the page numbering of the report in hard copy format*
3) *For information provided solely on USB a page should be integrated in the hard copy to reference the information*
4) *The photos should be compiled in Adobe .pdf document(s) include in the E-ACRS inspection forms for each asset inspected*

APPENDIX U

Template For Letters To First Nations

Introductory Letter

VIA FAX OR EMAIL

Please deliver to:	**From:**
Name	Name
First Nation	Number
Fax Number	Date Transmitted
Phone Number	Pages to Follow 0

Subject: **E-ACRS Inspections of Community Infrastructure** ***(insert fiscal year)***

ABC Consultant has been retained to assess the condition of your community's infrastructure and facilities under the Asset Condition Reporting System (ACRS).

We will need to spend about 1 hour with you to run through a number of standard O & M checklists. This meeting will also be an opportunity for you to highlight any concerns your administration may have regarding operations and maintenance. You may wish to prepare a list of repair needs that you specifically want to bring to the inspector's attention.

In order to make the most of the ACRS inspection process, please ensure the participation of your operator/maintenance personnel during the inspection process. Your operator/maintenance personnel will be asked to provide access to the assets; make available maintenance records, maintenance plans and emergency response plans; and answer questions concerning operations and maintenance.

If there is a school in your community, please inform the School Principal about the timing of these inspections to make sure that the process causes the least amount of disturbance to school children.

If you have a Fire Department in your community, please ensure that the Fire Chief is also informed and if possible, be present during inspections of your fire hall and fire truck.

Our meeting is scheduled for *insert date and time*.

Should you have any questions about the inspection process, please call me directly at *insert telephone number of signature*

I look forward to meeting you.

Signature

Draft Report Letter

Date

Recipients name and title

First Nations name
address

Dear *Recipient's First Name*:

RE: *insert fiscal year* E-ACRS Inspection *DRAFT* Report for Community Infrastructure Assets

Thank you for participating in this year's E-ACRS inspection program in. The attached *DRAFT* report is the *insert fiscal year* Extended Asset Condition Reporting System (E-ACRS) report that we have put together based on our inspections. We would like to offer you the opportunity to review and comment on the report before we finalize it.

Your comments are important, and we ask that they be communicated to us by one of the following methods:

- **Mail** the marked-up pages to the address below:
  Mailing address
- **FAX** the marked-up pages to me at *insert fax number*
- Scan the marked up pages and **Email** them to me at *insert email address*

Please return your comments and suggestions within 2 weeks of receiving the DRAFT E-ACRS report.

If you have any questions about this process, please contact me directly.

Sincerely,

Signatory's Name, Title and Email

Enclosure

Final Report Letter

Date:

Attention: Band Administration
Public Works/Maintenance Office
Insert name of First Nation

Re: ***Insert fiscal year*** **Extended Asset Condition Reporting System (E-ACRS) – Final Report**

Enclosed is a copy of the Final Report for the *insert fiscal year* Extended Asset Condition Reporting System (E-ACRS) inspection. The digital copy of the report is provided in .pdf format on a USB/CD attached to the hard copy.

The USB/CD also contains the following documents:

- List of Assets – Excel format
- List of Outstanding Needs/Tasks as per (*insert year of outstanding needs from previous inspection)* inspection – Excel format
- 35 Year Asset Replacement Chart for ISC O&M funded assets – Excel format
- Additional photographs in Adobe .pdf document.

Should you have any questions regarding this report or its content, please do not hesitate to contact ___

Regards,
Signature
Signatory's Name, Title and Email

APPENDIX V

ICMS Excel Workbooks

ISC regions to generate ICMS excel workbooks zipped folder (compact inspection, ARV tool and fire protection questionnaire) and provide to inspector's for data capture requirements.