# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

June 30th, 2023

# APPENDIX A

# TABLE OF CONTENT

June 30th, 2023

# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

# ROAD NETWORK
# CLASSIFICATION

June 30th, 2023

# SOIR: Road Network

## Highlights

### Current Replacement Value

- The Road Network Service comprises of eight (8) asset categories which are Acoustic/Retaining Walls, Bridge/Major Culverts, Pedestrian Facilities, Road Bases, Road Surfaces, Street Lights, Traffic Signals, and Transit Shelters.

- The estimated current replacement value (CRV) of the road network assets is approximately $1.9 Billion.

- Roads (Base & Surface) accounts for the largest portion of the total CRV at $1.2 Billion (or 63% ), Bridge/Major Culvert at $302 Million (or 16%), and Pedestrian Facilities at $268 Million (or 14%).

### Condition

- The conditions of the road surfaces are assessed every five (5) years by a 3rd party engineering firm, based on a combination of ride condition ratings, traffic volumes and road composition. The Pavement Quality Index (PQI) Score system is used to evaluate the condition of each road section. The PQI ranges from 0 to 100, with 0 representing very poor condition and 100 representing perfect condition.

- The conditions of the bridges and culverts are assessed in accordance with the Ontario Structure Inspection Manual (OSIM), as part of the biennial inspections required by O. Reg. 104/97. The Bridge Condition Index (BCI) score system is used to evaluate the condition of each bridge and culvert. The BCI ranges from 0 to 100, with 0 representing very poor condition and 100 representing perfect condition.

- Traffic assets are inspected frequently from a safety perspective and are determined to be replaced mostly through the expected remaining useful life.

- Sidewalk facilities are inspected annually in accordance with the provincial minimum maintenance standards. Sidewalk bays are replaced as required.

# SOIR:   Road Network

## Highlights

- In absence of physical condition information, the asset conditions have been calculated based on the age and expected remaining useful life of the asset.

- In general, the Road Network assets are largely in Good or Fair condition. On average, 86% are in Fair or better condition.

### Stage of Life

- The estimated average useful life of the asset categories ranges from 15 to 75 years and the average age ranges from 9 to 38 years. Overall, 47% of the assets are in the Early and Mid Life and 53% are in the Late Life.

- Street Lights has the largest proportion of assets in the Late Life (83%), followed by Acoustic/Retaining Wall (77%), and Road Surface (64%).  Street Signals, Transit Shelters, Bridge/Major Culvert, and Pedestrian Facilities have 36 to 51% of the assets in the Late Life. Road Base has a relatively smaller proportion of assets in the Late Life (18%).

### Strategy

- The pavement resurfacing program has been implemented for many years, ensuring the overall road surfaces are in fair to good conditions.

- The town has a dedicated Road Patrol whose responsibilities are to patrol and review the roads routinely capturing any unacceptable deviations and triggering corrective work orders where necessary.

**SOIR Classification:**        **Road Network**

**Reporting Classifiation**        **(All)**

## Total Current Value ($)

### 1.9 BILLION

## Number of Records    22,484

## Quantity of Assets by Unit of Measure
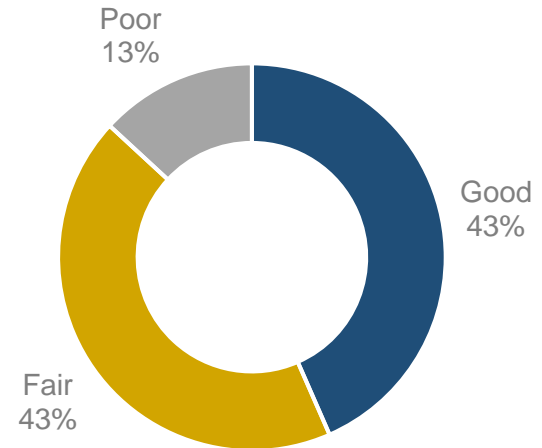
| 961 | 10,573 | 1,166,833 | 13,863,518 |
|---|---|---|---|
| EACH | POOL | L. M. | SQ. M. |

## Average Expected Life

**33 Yrs**

| 18 YRS | Average Age | Average Remaining Life | 15 YRS |
|---|---|---|---|

## Data Confidence Scale

| Low | Medium | High |
|---|---|---|

## PROPORTION OF ASSETS BY CONDITION



- Poor 13%
- Good 43%
- Fair 43%

## PROPORTION OF ASSETS BY STAGE OF LIFE



- Early Life 23%
- Mid Life 24%
- Late Life 53%
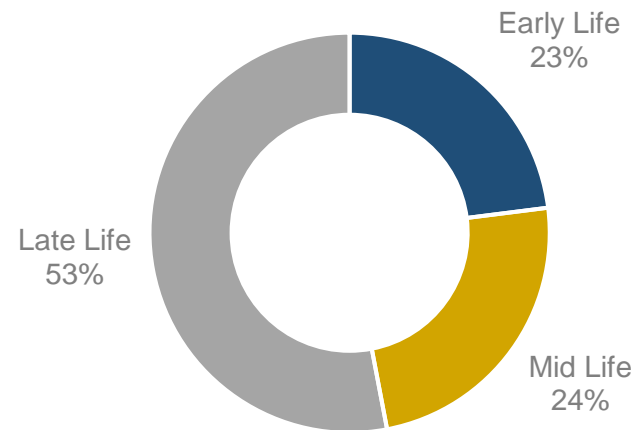
# SOIR Classification: Road Network

## Current Replacement Value Summary by Reporting Classification

■ **CRV (Category)**
■ **CRV (All Categories): $1,912,839,229**

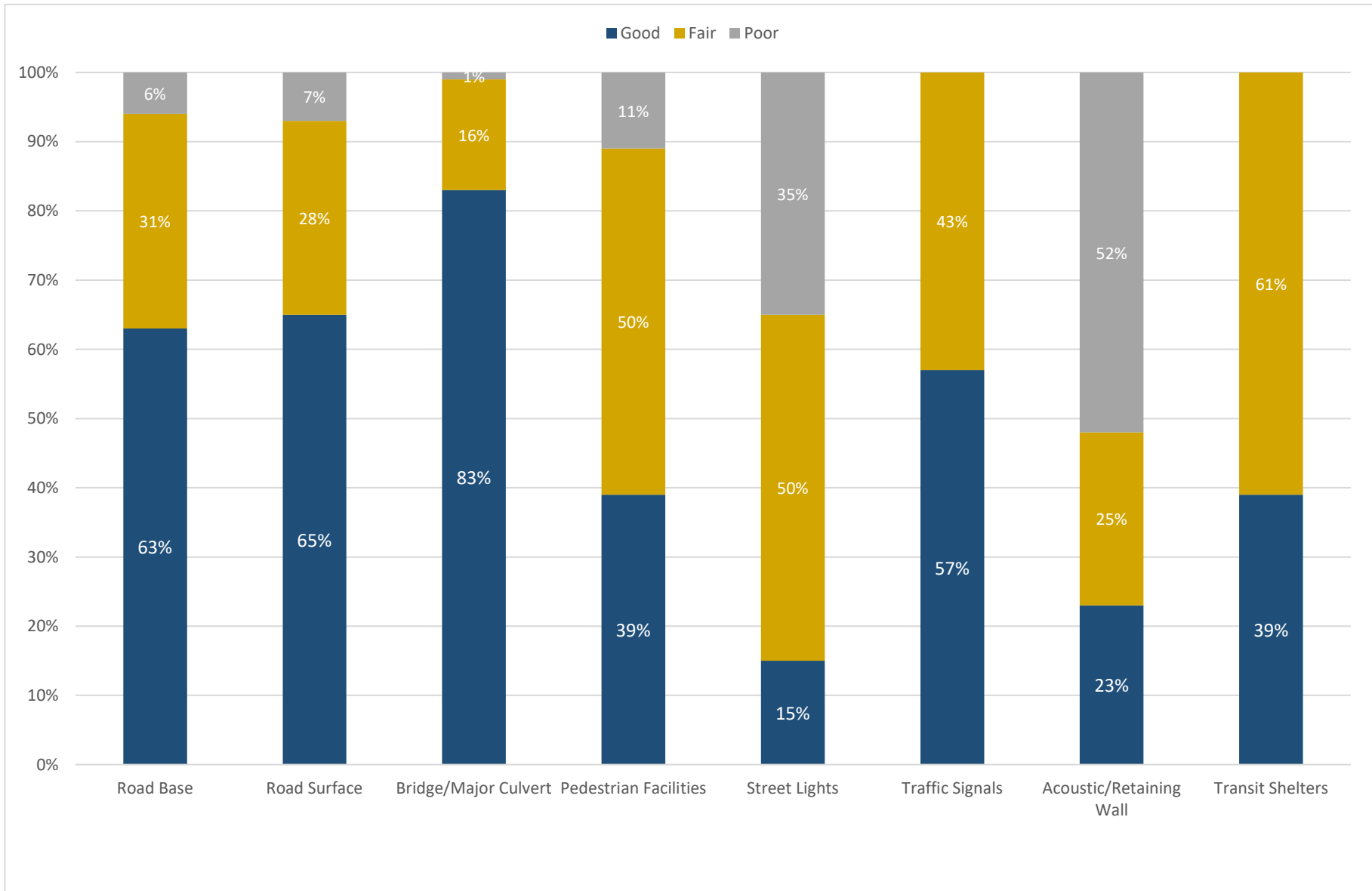| Category | Value |
|---|---|
| Road Base | $857,903,813 |
| Road Surface | $351,854,712 |
| Bridge/Major Culvert | $302,161,185 |
| Pedestrian Facilities | $267,704,444 |
| Street Lights | $88,047,847 |
| Traffic Signals | $36,317,429 |
| Acoustic/Retaining Wall | $5,758,560 |
| Transit Shelters | $3,091,238 |
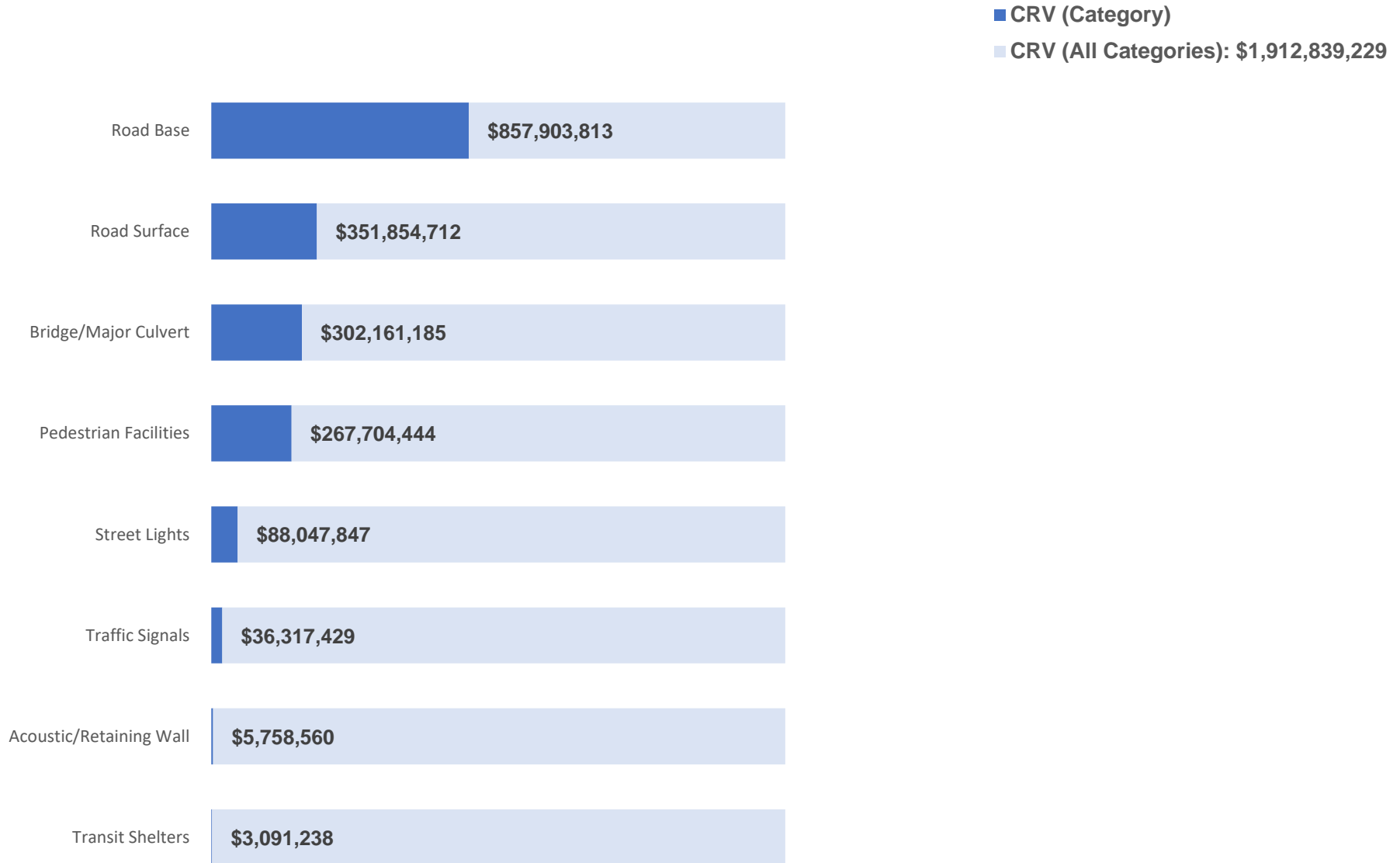
# SOIR Classification: Road Network

## Quantity Summary by Reporting Classification

| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Road Base | SQ. M. | 6,935,550 | 30 | 75 | $857,903,813 |
| Road Surface | SQ. M. | 6,927,967 | 15 | 15 | $351,854,712 |
| Bridge/Major Culvert | EACH | 128 | 38 | 62 | $302,161,185 |
| Pedestrian Facilities | L. M. | 1,159,438 | 25 | 39 | $267,704,444 |
| Street Lights | POOL | 10,573 | 12 | 25 | $88,047,847 |
| Traffic Signals | EACH | 570 | 9 | 17 | $36,317,429 |
| Acoustic/Retaining Wall | L. M. | 7,396 | 26 | 23 | $5,758,560 |
| Transit Shelters | EACH | 263 | 11 | 19 | $3,091,238 |
| Grand Total | | | | | $1,912,839,229 |

# SOIR Classification: Road Network

## Condition Summary by Reporting Classification



Legend: ■ Good ■ Fair ■ Poor

| Classification | Good | Fair | Poor |
|---|---|---|---|
| Road Base | 63% | 31% | 6% |
| Road Surface | 65% | 28% | 7% |
| Bridge/Major Culvert | 83% | 16% | 1% |
| Pedestrian Facilities | 39% | 50% | 11% |
| Street Lights | 15% | 50% | 35% |
| Traffic Signals | 57% | 43% | |
| Acoustic/Retaining Wall | 23% | 25% | 52% |
| Transit Shelters | 39% | 61% | |

# SOIR Classification: Road Network

## Stage of Life Summary by Reporting Classification



Legend: Early Life, Mid Life, Late Life

| Classification | Early Life | Mid Life | Late Life |
|---|---|---|---|
| Road Base | 44% | 38% | 18% |
| Road Surface | 17% | 19% | 64% |
| Bridge/Major Culvert | 29% | 30% | 41% |
| Pedestrian Facilities | 21% | 28% | 51% |
| Street Lights | 11% | 6% | 83% |
| Traffic Signals | 35% | 29% | 36% |
| Acoustic/Retaining Wall | 15% | 8% | 77% |
| Transit Shelters | 21% | 41% | 38% |
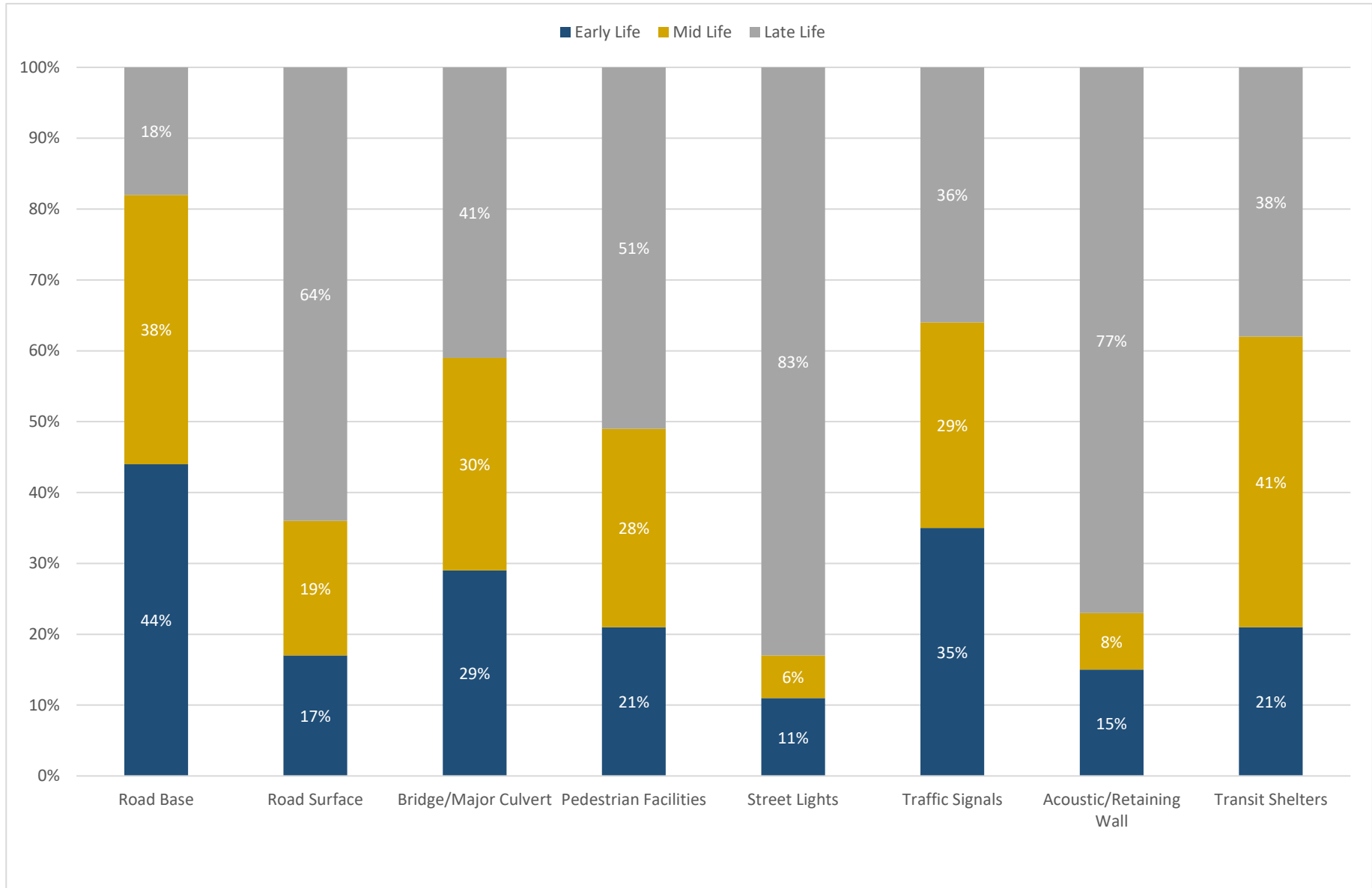
**SOIR Classification:** Road Network

**Reporting Classifiation** Road Base

## Total Current Value ($)

**858 MILLION**

## Number of Records 5,138

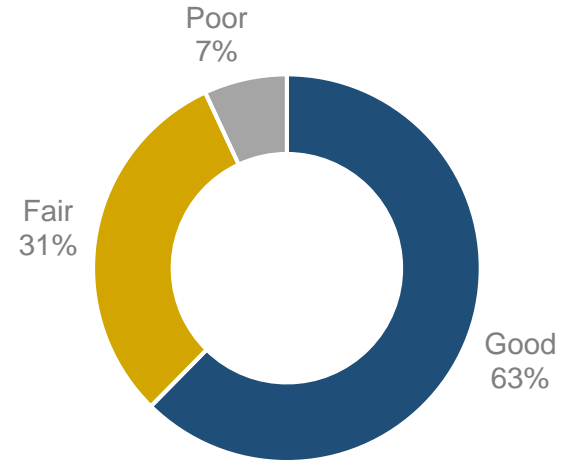## Quantity of Assets by Unit of Measure
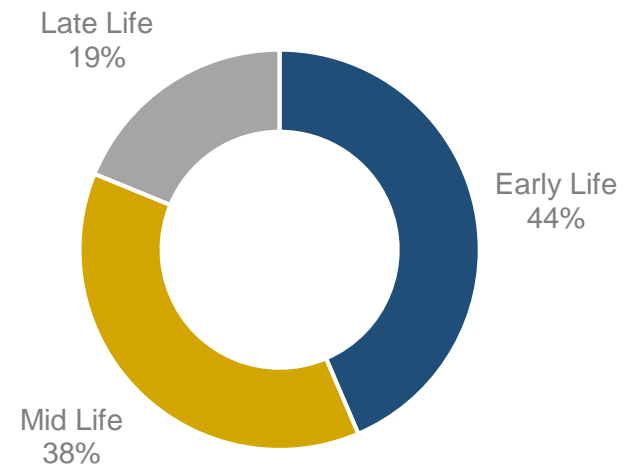
**6,935,550**

SQ. M.

## Average Expected Life

**75 Yrs**

| 30 YRS | Average Age | Average Remaining Life | 45 YRS |

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION



- Poor 7%
- Fair 31%
- Good 63%

### PROPORTION OF ASSETS BY STAGE OF LIFE



- Late Life 19%
- Early Life 44%
- Mid Life 38%

**SOIR Classification:** **Road Network**

**Reporting Classifiation** **Road Surface**

**Total Current Value ($)**

**352 MILLION**

**Number of Records** **5,132**

**Quantity of Assets by Unit of Measure**

**6,927,967**

SQ. M.

**Average Expected Life**
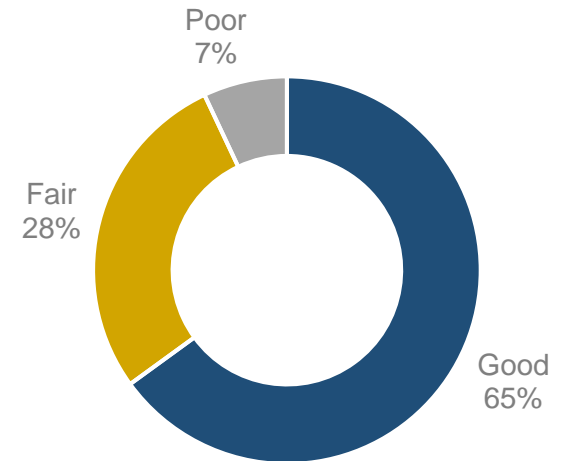
**15 Yrs**

| 15 YRS | Average Age | Average Remaining Life | 0 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

- Poor 7%
- Fair 28%
- Good 65%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

- Early Life 17%
- Mid Life 19%
- Late Life 64%
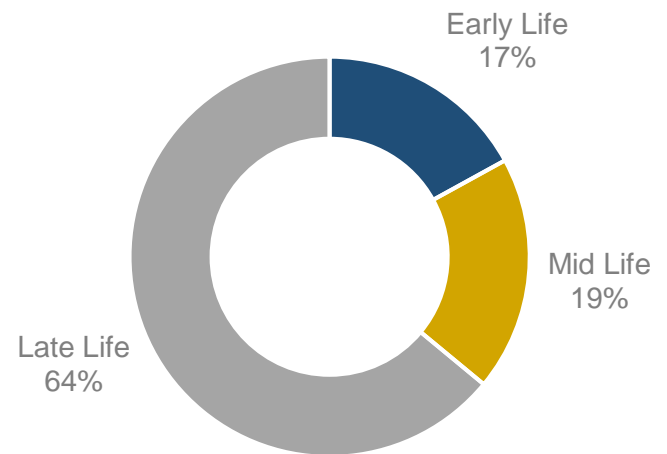
**SOIR Classification:**     **Road Network**

**Reporting Classifiation**     **Bridge/Major Culvert**

**Total Current Value ($)**

## 302 MILLION

**Number of Records**     **128**

**Quantity of Assets by Unit of Measure**

**128**

EACH

**Average Expected Life**
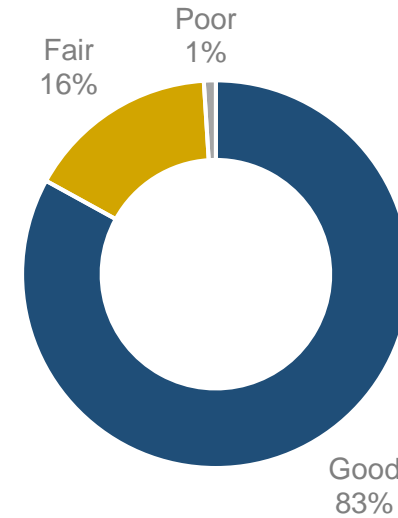
**62 Yrs**

| 38 YRS | Average Age | Average Remaining Life | 24 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Poor 1%
Fair 16%
Good 83%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 29%
Late Life 41%
Mid Life 30%
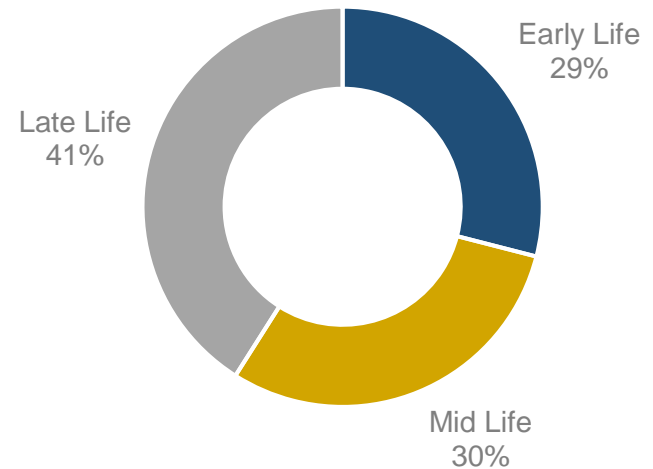
**SOIR Classification:** **Road Network**

**Reporting Classifiation** **Pedestrian Facilities**

**Total Current Value ($)**

**268 MILLION**

**Number of Records** **11,025**

**Quantity of Assets by Unit of Measure**

**1,159,438**

L. M.

**Average Expected Life**
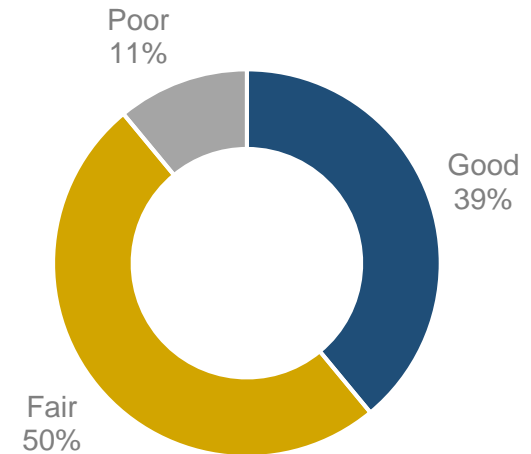
**39 Yrs**

**25 YRS** | Average Age | Average Remaining Life | **14 YRS**

**Data Confidence Scale**

| **Low** | **Medium** | **High** |

**PROPORTION OF ASSETS BY CONDITION**

Poor 11%

Good 39%

Fair 50%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 21%

Late Life 51%

Mid Life 28%
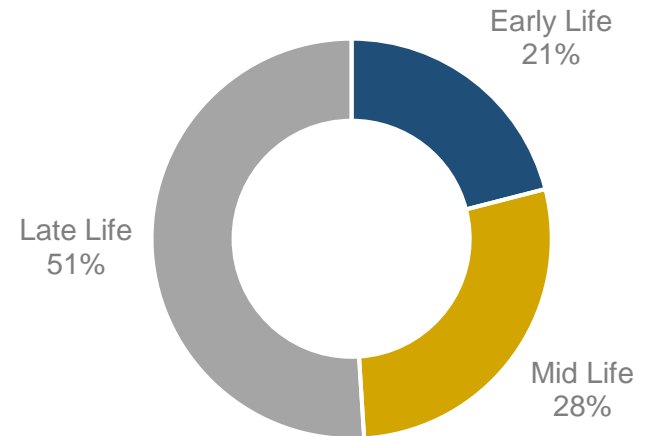
**SOIR Classification:**  **Road Network**

**Reporting Classifiation**  **Street Lights**

**Total Current Value ($)**

**88 MILLION**

**Number of Records**  **77**

**Quantity of Assets by Unit of Measure**

**10,573**

POOL

**PROPORTION OF ASSETS BY CONDITION**

Good
15%

Poor
35%

Fair
50%

**Average Expected Life**

25 Yrs

12
YRS

Average
Age

Average
Remaining
Life

13
YRS

**Data Confidence Scale**

| Low | Medium | High |
|-----|--------|------|

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life
11%

Mid Life
6%

Late Life
83%
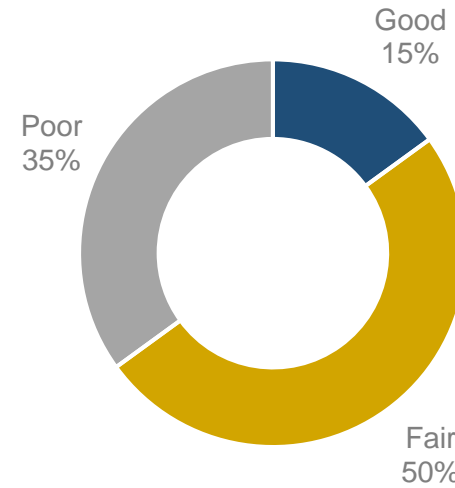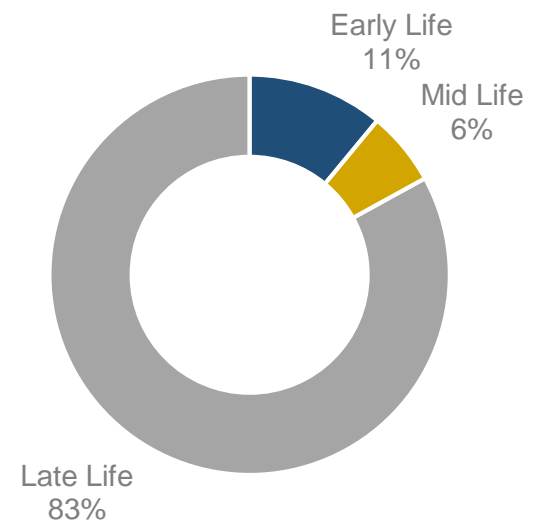
**SOIR Classification:**　　　　**Road Network**

**Reporting Classifiation**　　　**Traffic Signals**

**Total Current Value ($)**

**36 MILLION**

**Number of Records**　　　**561**

**Quantity of Assets by Unit of Measure**

**570**

EACH

**Average Expected Life**

**17 Yrs**

**9 YRS**

| Average Age | Average Remaining Life |

**8 YRS**

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Fair 43%

Good 57%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Late Life 35%

Early Life 35%

Mid Life 29%
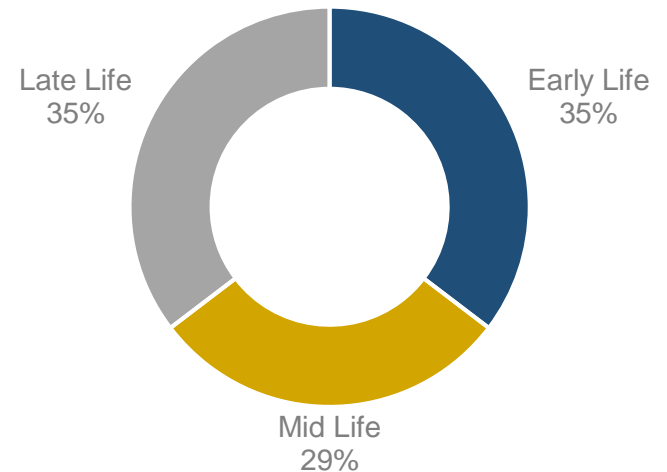
**SOIR Classification:**         **Road Network**

**Reporting Classifiation**         **Acoustic/Retaining Wall**

## Total Current Value ($)

**6 MILLION**

## Number of Records     **160**

## Quantity of Assets by Unit of Measure
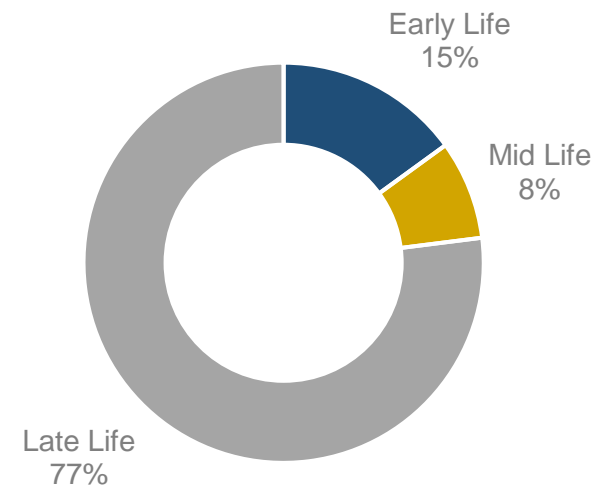
**7,396**

L. M.

## Average Expected Life
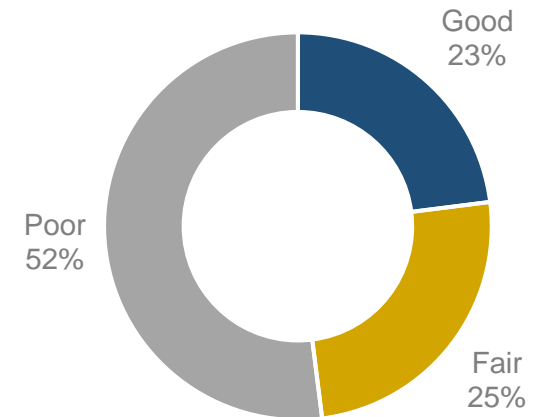
**23 Yrs**

| 26 YRS | Average Age → Average Remaining Life | 0 YRS |
|---|---|---|

## Data Confidence Scale

| Low | Medium | High |
|---|---|---|

### PROPORTION OF ASSETS BY CONDITION

Good 23%

Fair 25%

Poor 52%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 15%

Mid Life 8%

Late Life 77%

**SOIR Classification:** Road Network

**Reporting Classifiation** Transit Shelters

## Total Current Value ($)

**3 MILLION**

## Number of Records    263

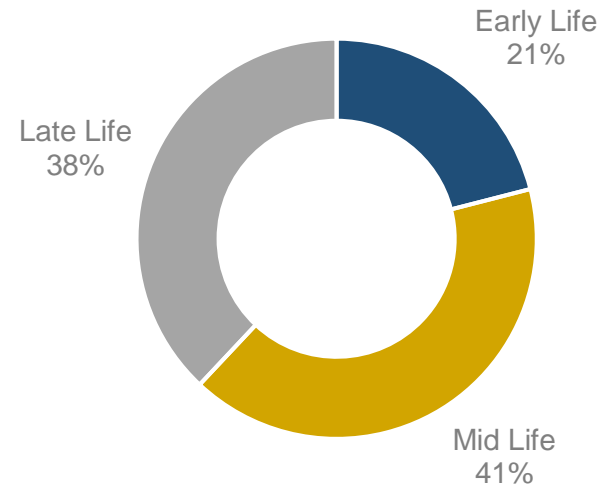## Quantity of Assets by Unit of Measure

**263**

EACH

## Average Expected Life

**19 Yrs**

| 11 YRS | Average Age | Average Remaining Life | 8 YRS |

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Good 39%

Fair 61%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 21%

Late Life 38%

Mid Life 41%

APPENDIX A-2

# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

## STORM NETWORK
## CLASSIFICATION

June 30th, 2023

# SOIR: Storm Network

## Highlights

### Current Replacement Value

- The Storm Network Service comprises of seven (7) asset categories which are Catchbasin & Maintenance Holes, Inlet - Outfall & Pond Structures, Silva Cells, Storm Mains, Storm Water Infiltration Chambers, Underground Storage Tanks, and Water Quality Control Devices.

- The estimated current replacement value (CRV) of the storm assets is approximately $963 Billion.

- Storm Mains account for the largest portion of the total CRV of the Storm Network assets at $716 Million (or 74%), followed by Catchbasin and Maintenance Holes at $211 Million (or 22%).

### Condition

- A portion of the storm main assets have been inspected by CCTV/Zoom camera technology to assess their condition. This inspection program will be continued to assess the conditions of the entire storm main inventory, with priority given to the older areas.

- Catchbasins are inspected regularly during their clean out. The conditions are reported and any issues addressed through Work Operations.

- Ponds are regularly monitored and inspected. Sedimentation surveys and water quality testing are conducted approximately every 4 years.

- Inlet/outfall structures are inspected annually for performance and condition by Town staff.

- At the current stage, the condition ratings have been calculated primarily based on age where a specific condition report is not available.

# SOIR: Storm Network

## Highlights

- In general, the condition of the storm network assets inferred through the expected useful life are in fair to good condition. On average, 73% are in Good condition and 27% are in Fair condition.

- Underground Storage Tank, Silva Cells, Storm Water Chambers have all assets in Good condition. Water Quality Control Devices and Lateral have majority of the assets (98%) in Good condition. Catchbasin & Maintenance Hole, Inlet – Outlet- & Pond Structure, and Storm Main, have 52% - 65% of the assets in Good condition and 34 - 48% in Fair condition.

### Stage of Life

- The estimated average useful life of the asset categories ranges from 50 to 70 years and the average age ranges from 3 to 33 years. Overall, 85% of the assets are in the Early and Mid Life and 15% are in the Late Life.

- All assets in the categories of Underground Storage Tank, Silva Cells, and Storm Water Chamber are in their Early Life.

### Strategies

- To ensure the asset renewal plan support the rainwater management plan.

- To develop a comprehensive inspection program for storm mains.

**SOIR Classification:**        **Storm Network**

**Reporting Classifiation**        **(All)**

## Total Current Value ($)

### 963 MILLION

## Number of Records    41,312

## Quantity of Assets by Unit of Measure

| **31,415** | **633,179** | **3,272** |
|---|---|---|
| EACH | L. M. | SQ. M. |

## Average Expected Life

**68 Yrs**

| **23 YRS** | Average Age | Average Remaining Life | **45 YRS** |

## Data Confidence Scale

| Low | Medium | High |
|---|---|---|

### PROPORTION OF ASSETS BY CONDITION

Fair 27%

Good 73%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 15%

Early Life 54%

Mid Life 31%
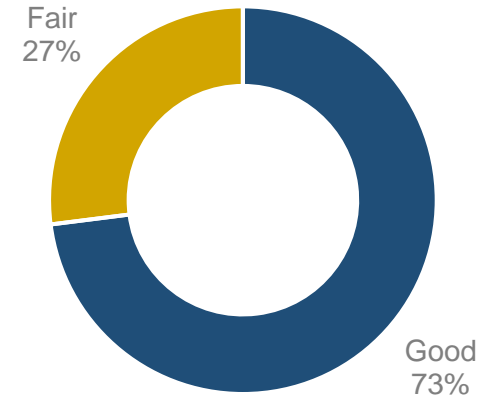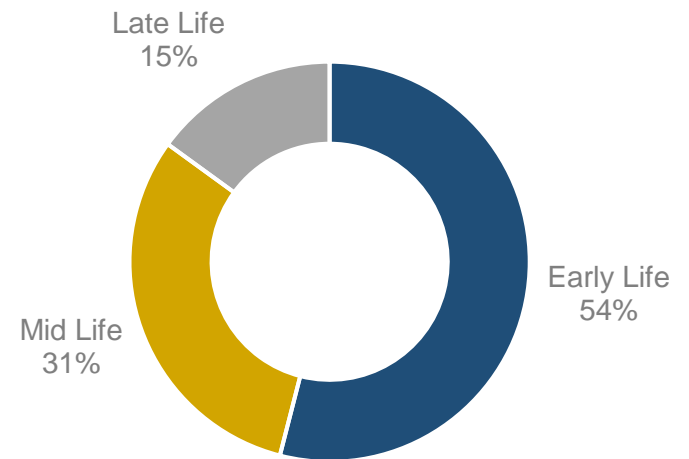
# SOIR Classification: Storm Network

## Current Replacement Value Summary by Reporting Classification

■ CRV (Category)

■ CRV (All Categories): $962,749,410

| Category | Value |
|---|---|
| Storm Main | $715,559,269 |
| Catchbasin & Maintenance Hole | $211,452,648 |
| Inlet - Oulet & Pond Structure | $22,286,998 |
| Water Quality Control Device | $7,673,701 |
| Underground Storage Tank | $4,155,693 |
| Silva Cells | $865,209 |
| Storm Water Infil Chamber | $755,891 |
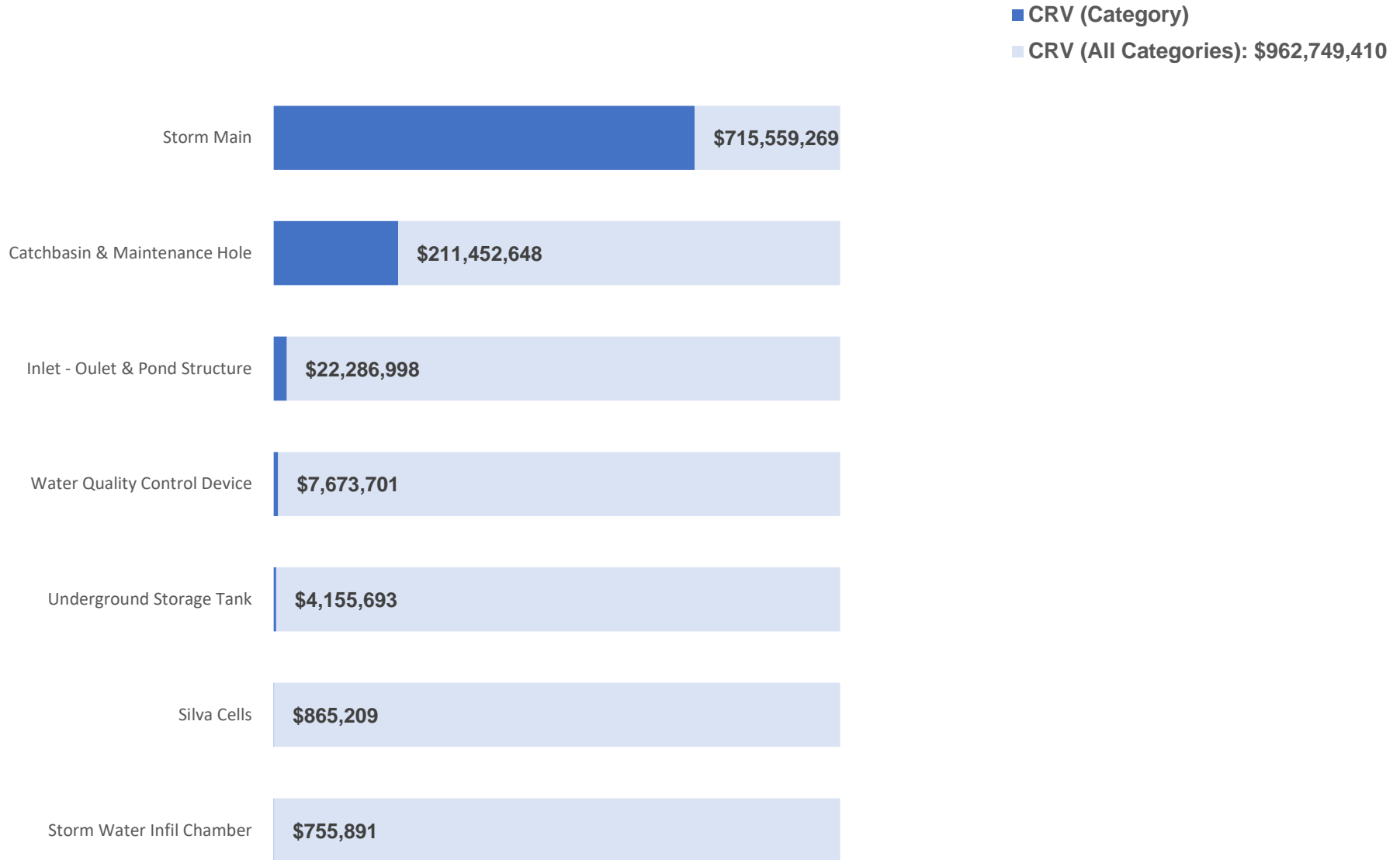
# SOIR Classification: Storm Network

## Quantity Summary by Reporting Classification

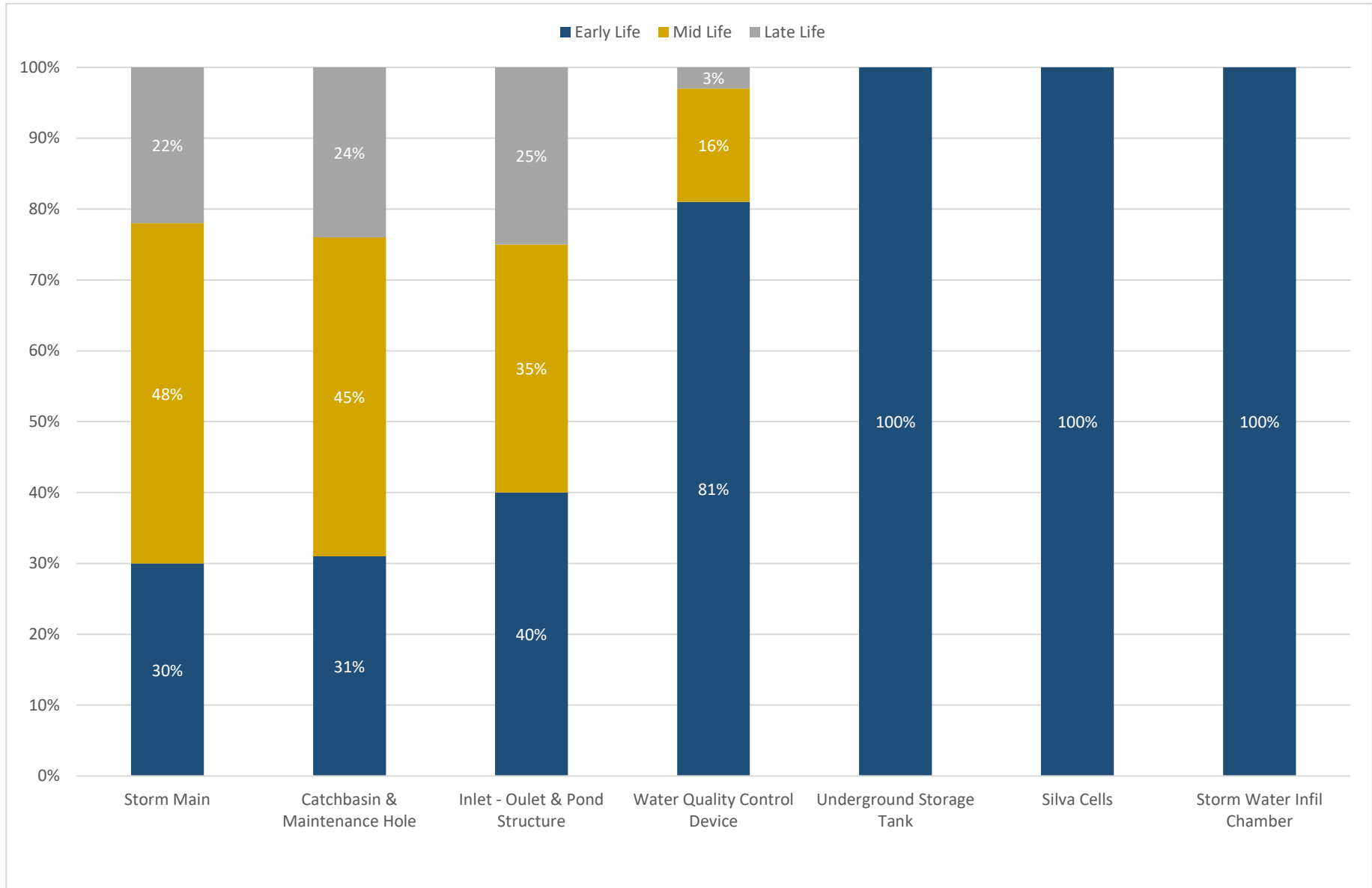| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Storm Main | L. M. | 633,179 | 32 | 70 | $715,559,269 |
| Catchbasin & Maintenance Hole | EACH | 30,794 | 33 | 70 | $211,452,648 |
| Inlet - Oulet & Pond Structure | EACH | 535 | 29 | 70 | $22,286,998 |
| Water Quality Control Device | EACH | 86 | 15 | 70 | $7,673,701 |
| Underground Storage Tank | SQ. M. | 945 | 4 | 70 | $4,155,693 |
| Silva Cells | SQ. M. | 496 | 3 | 70 | $865,209 |
| Storm Water Infil Chamber | SQ. M. | 1,832 | 4 | 50 | $755,891 |
| Grand Total | | | | | $962,749,410 |

# SOIR Classification: Storm Network

## Condition Summary by Reporting Classification
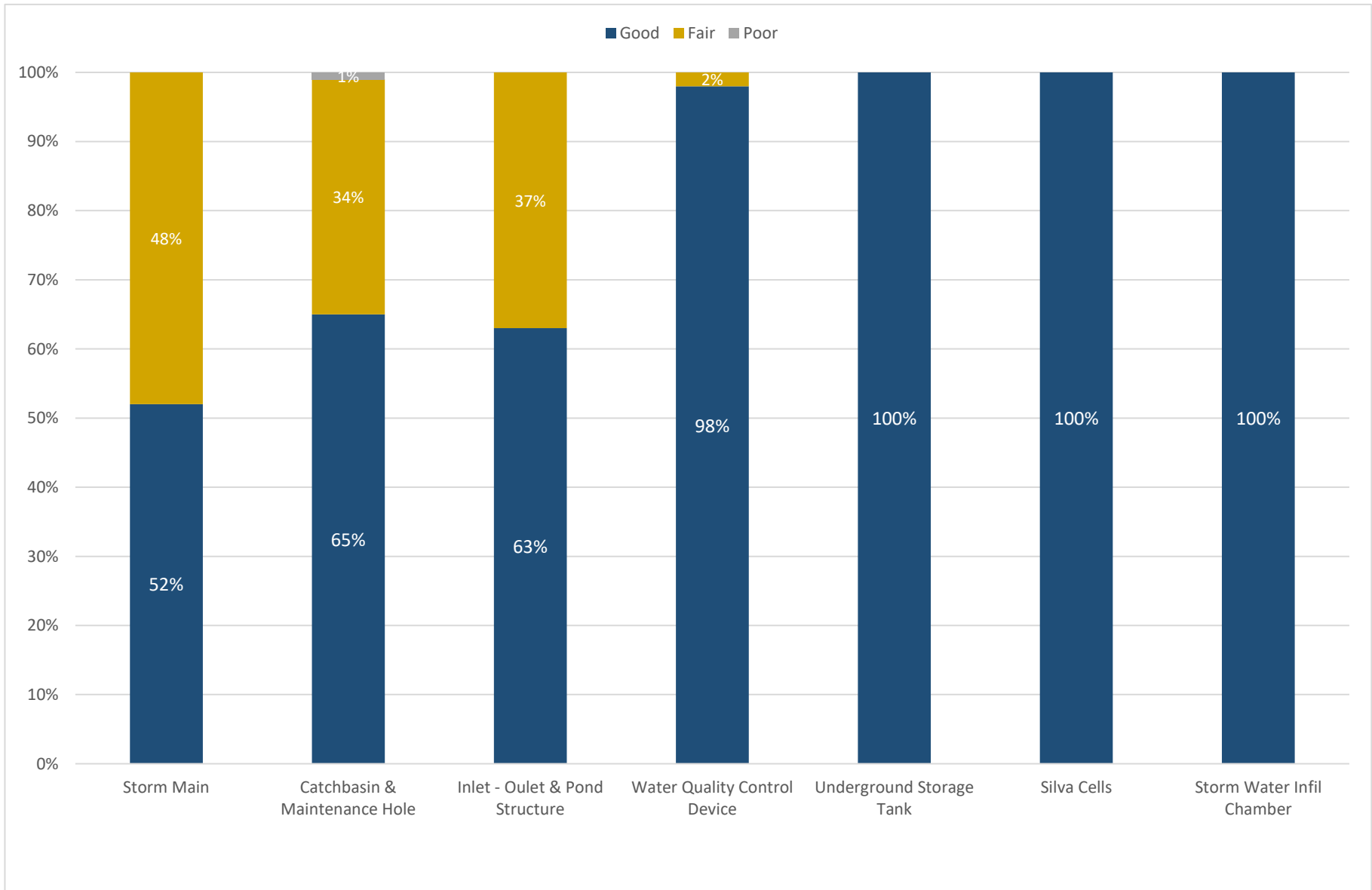
# SOIR Classification: Storm Network

## Stage of Life Summary by Reporting Classification

**SOIR Classification:** **Storm Network**

**Reporting Classifiation** **Storm Main**

## Total Current Value ($)

**716 MILLION**

## Number of Records  **10,727**

## Quantity of Assets by Unit of Measure
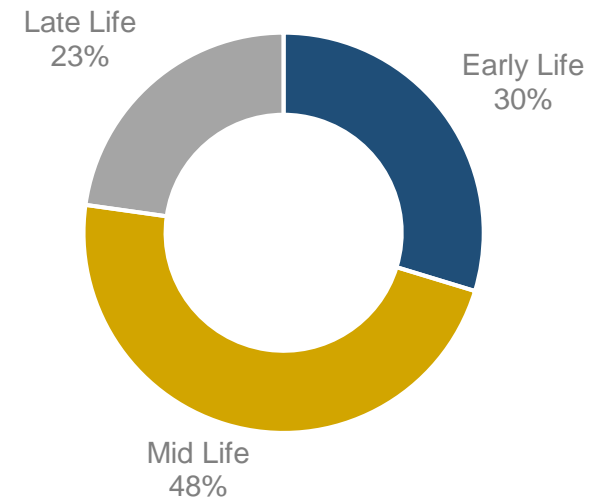
**633,179**

L. M.

## Average Expected Life

**70 Yrs**

**32 YRS** | Average Age | Average Remaining Life | **38 YRS**

## Data Confidence Scale

Low | Medium | High

### PROPORTION OF ASSETS BY CONDITION

Fair 48%

Good 52%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 23%

Early Life 30%

Mid Life 48%

**SOIR Classification:**          **Storm Network**

**Reporting Classifiation**       **Catchbasin & Maintenance Hole**

**Total Current Value ($)**

## 211 MILLION

**Number of Records**      **30,013**
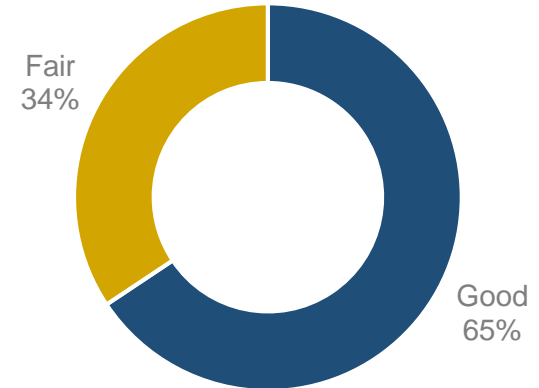
**Quantity of Assets by Unit of Measure**

**30,794**

EACH

**Average Expected Life**

**70 Yrs**

**33 YRS**   Average Age   **37 YRS**

**Data Confidence Scale**

| Low | Medium | High |
|-----|--------|------|

**PROPORTION OF ASSETS BY CONDITION**

Fair 34%

Good 65%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Late Life 23%

Early Life 31%

Mid Life 45%
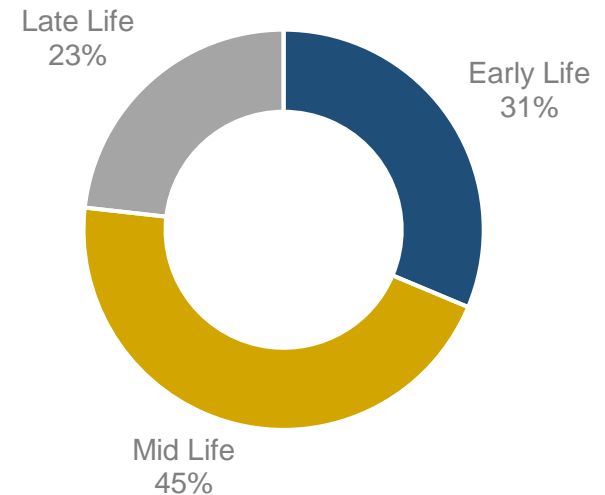
**SOIR Classification:** Storm Network

**Reporting Classifiation** Inlet - Oulet & Pond Structure

**Total Current Value ($)**

**22 MILLION**

**Number of Records** **465**

**Quantity of Assets by Unit of Measure**

**535**

EACH

**Average Expected Life**

**70 Yrs**

**29 YRS** — Average Age | Average Remaining Life — **41 YRS**

**Data Confidence Scale**

Low | Medium | High

**PROPORTION OF ASSETS BY CONDITION**

Fair 37%

Good 63%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Late Life 25%

Early Life 40%

Mid Life 35%
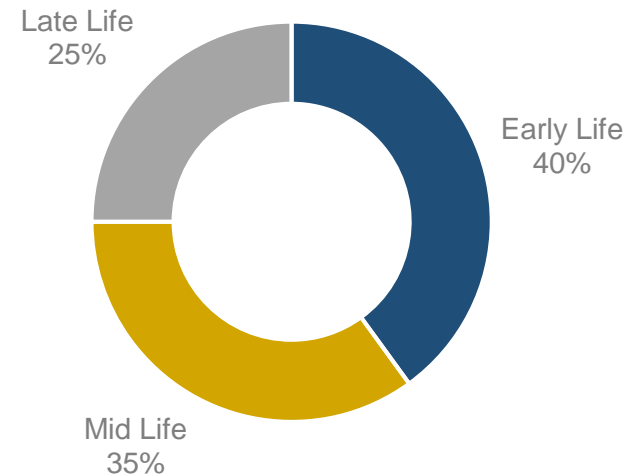
**SOIR Classification:** **Storm Network**

**Reporting Classifiation** **Water Quality Control Device**

## Total Current Value ($)

**8 MILLION**

## Number of Records    **86**

## Quantity of Assets by Unit of Measure

**86**

EACH

## Average Expected Life
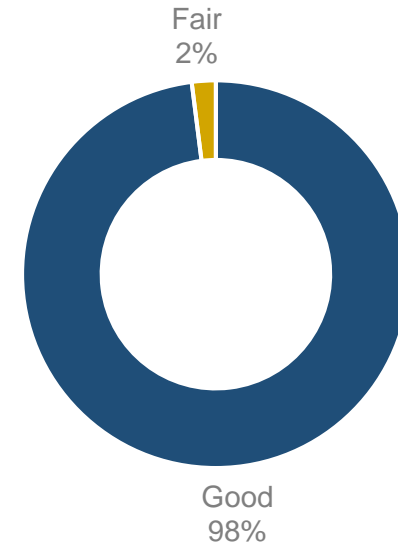
**70 Yrs**

**15 YRS**    Average Age    Average Remaining Life    **55 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Fair 2%

Good 98%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 2%

Mid Life 16%

Early Life 81%
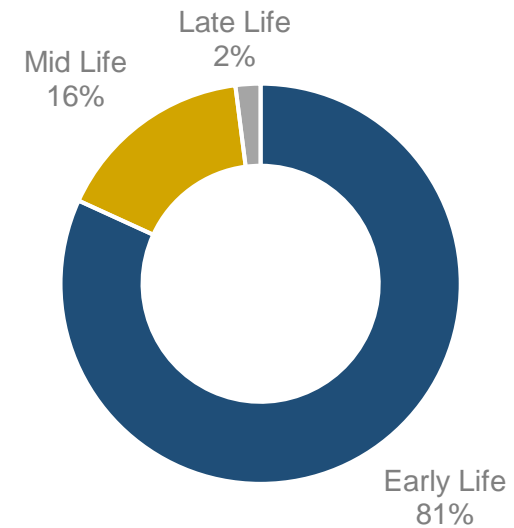
**SOIR Classification:** Storm Network

**Reporting Classifiation** Underground Storage Tank

## Total Current Value ($)

**4 MILLION**

## Number of Records     6

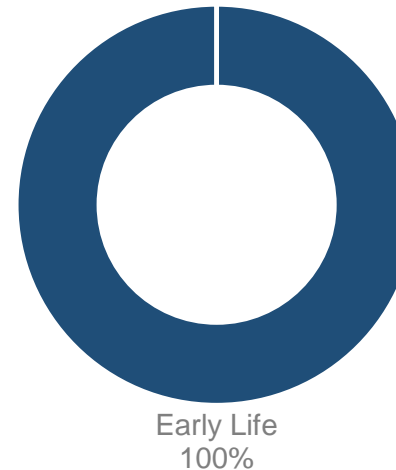## Quantity of Assets by Unit of Measure

**945**

SQ. M.

## Average Expected Life

**70 Yrs**

**4 YRS** | Average Age | Average Remaining Life | **66 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Good
100%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life
100%

**SOIR Classification:** Storm Network

**Reporting Classifiation** Silva Cells

## Total Current Value ($)

### 865 THOUSAND

## Number of Records     10

## Quantity of Assets by Unit of Measure

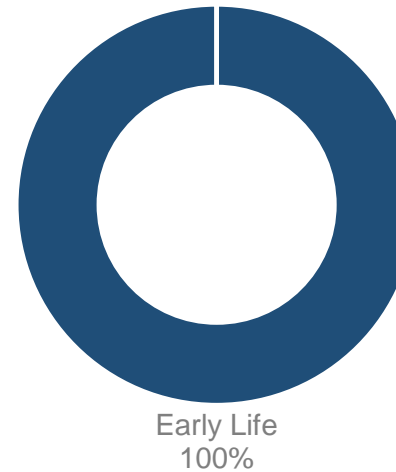**496**

SQ. M.

## Average Expected Life

**70 Yrs**

| 3 YRS | Average Age | Average Remaining Life | 67 YRS |

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Good
100%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life
100%

**SOIR Classification:**        **Storm Network**

**Reporting Classifiation**        **Storm Water Infil Chamber**

## Total Current Value ($)

**756 THOUSAND**

## Number of Records    **5**
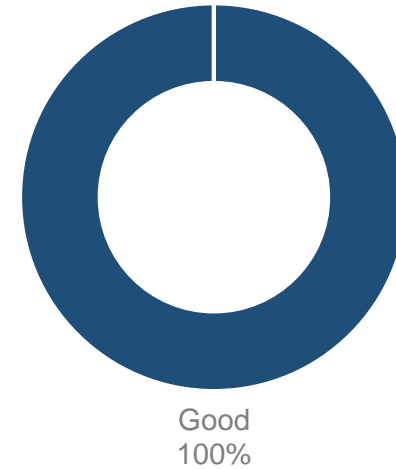
## Quantity of Assets by Unit of Measure
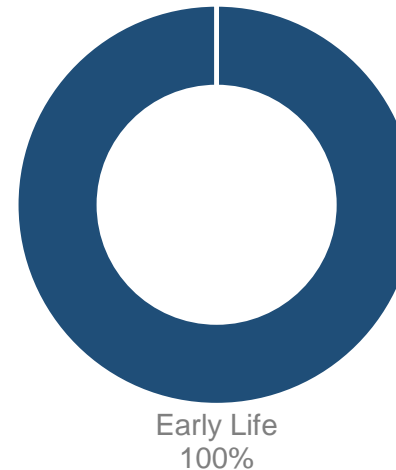
**1,832**

SQ. M.

## Average Expected Life

**50 Yrs**

**4 YRS**     Average Age     Average Remaining Life     **46 YRS**

## Data Confidence Scale

| Low | Medium | High |
|-----|--------|------|

### PROPORTION OF ASSETS BY CONDITION

Good
100%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life
100%

# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

# FACILITIES
# CLASSIFICATION

June 30th, 2023

# SOIR: Facilities

## Highlights

### Current Replacement Value

- The Facilities comprises of three (3) asset categories which are Corporate & Operational Buildings, Program Buildings, and Washroom & Fieldhouses.

- The estimated current replacement value (CRV) of the Facilities assets is approximately $926 Million.

- Program Buildings accounts for the largest portion of the total CRV of the Facilities assets at $584 Million (or 63%), followed by Corporate & Operational Buildings at $329 Million (or 35%).

### Condition

- A building condition audit (BCA) is completed on approximately 10 facilities each year.

- Facility components are physically inspected by Town's staff when the asset is scheduled for renewal.

- Facilities assets are also inspected following major service interruption events and or unexpected failure prompting a root cause analysis investigation.

- In absence of physical condition information, the asset conditions have been calculated based on the age and expected remaining useful life of the asset.

- In general, the Facilities are largely in Good or Fair condition. On average, 57% are in Good condition and 22% are in Fair Condition.

# SOIR:   Facilities

## Highlights

### Stage of Life

- The estimated average useful life of the asset categories ranges from 39 to 41 years and the average age ranges from 14 to 32 years. Overall, 58% of the assets are in the Early and Mid Life and 42% are in the Late Life.

### Strategy

- Utilizing the Building Condition Audits in conjunction with performance, assets are planned for renewal.

- Service growth and Program Master Plans are utilized to coordinate renovation projects.

- Major asset components are planned for renewal based upon physical condition inspections and the assets' abilities to meet the service performance.

- In this report, conditions are based upon the stage of life of the facilities. This could be observed by reviewing the bar graphs for condition and stage of life, specifically for program buildings.

- In future reports, the condition will be based upon asset components.

### Reference

| Group | Description | Examples |
|---|---|---|
| Corporate & Operational Buildings | buildings with restricted public access | Fire Stations, Operational Buildings, Town Hall |
| Program Buildings | buildings with public access | Community Centres, Performing Arts Centres, Libraries |

**SOIR Classification:** **Facilities**

**Reporting Classifiation** **(All)**

## Total Current Value ($)

### 926 MILLION

## Number of Records    125

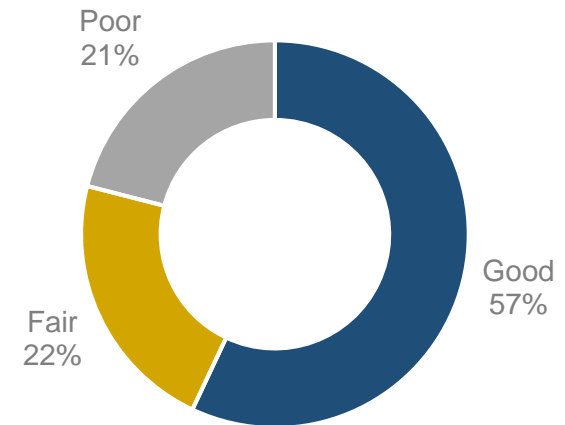## Quantity of Assets by Unit of Measure

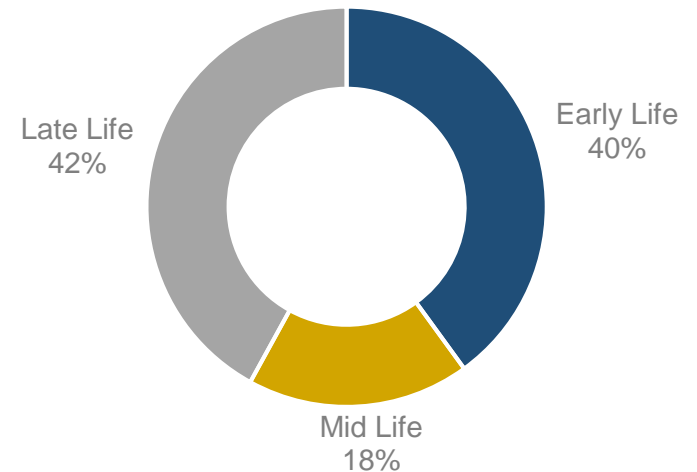**189,453**

SQ. M.

## Average Expected Life

**40 Yrs**

| 29 YRS | Average Age | Average Remaining Life | 11 YRS |

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Poor 21%

Good 57%

Fair 22%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 42%

Early Life 40%

Mid Life 18%

# SOIR Classification: Facilities

## Current Replacement Value Summary by Reporting Classification

■ CRV (Category)

■ CRV (All Categories): $925,729,870

Program Buildings — $584,454,218

Corporate & Operational Buildings — $328,976,364
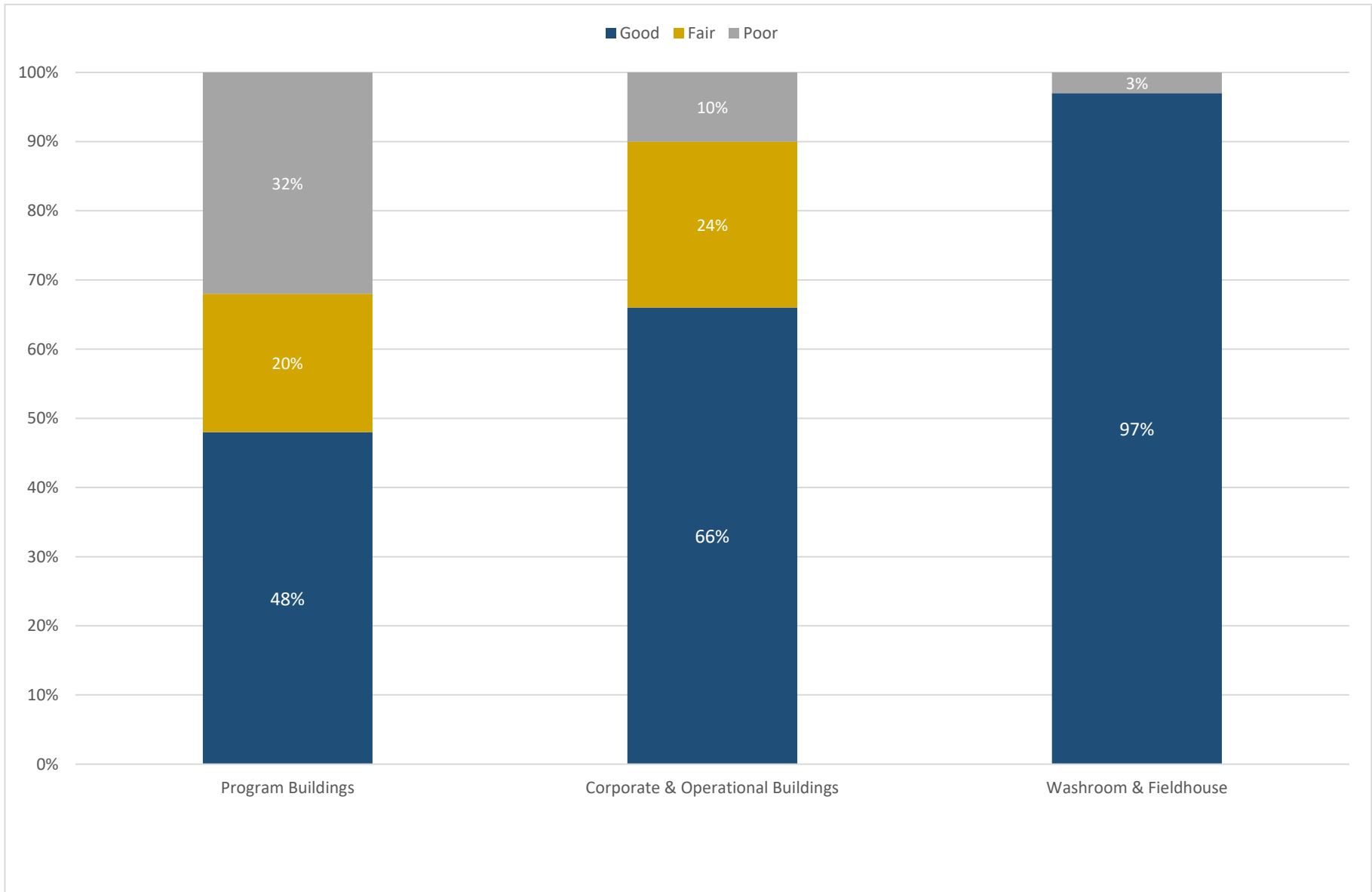
Washroom & Fieldhouse — $12,299,288
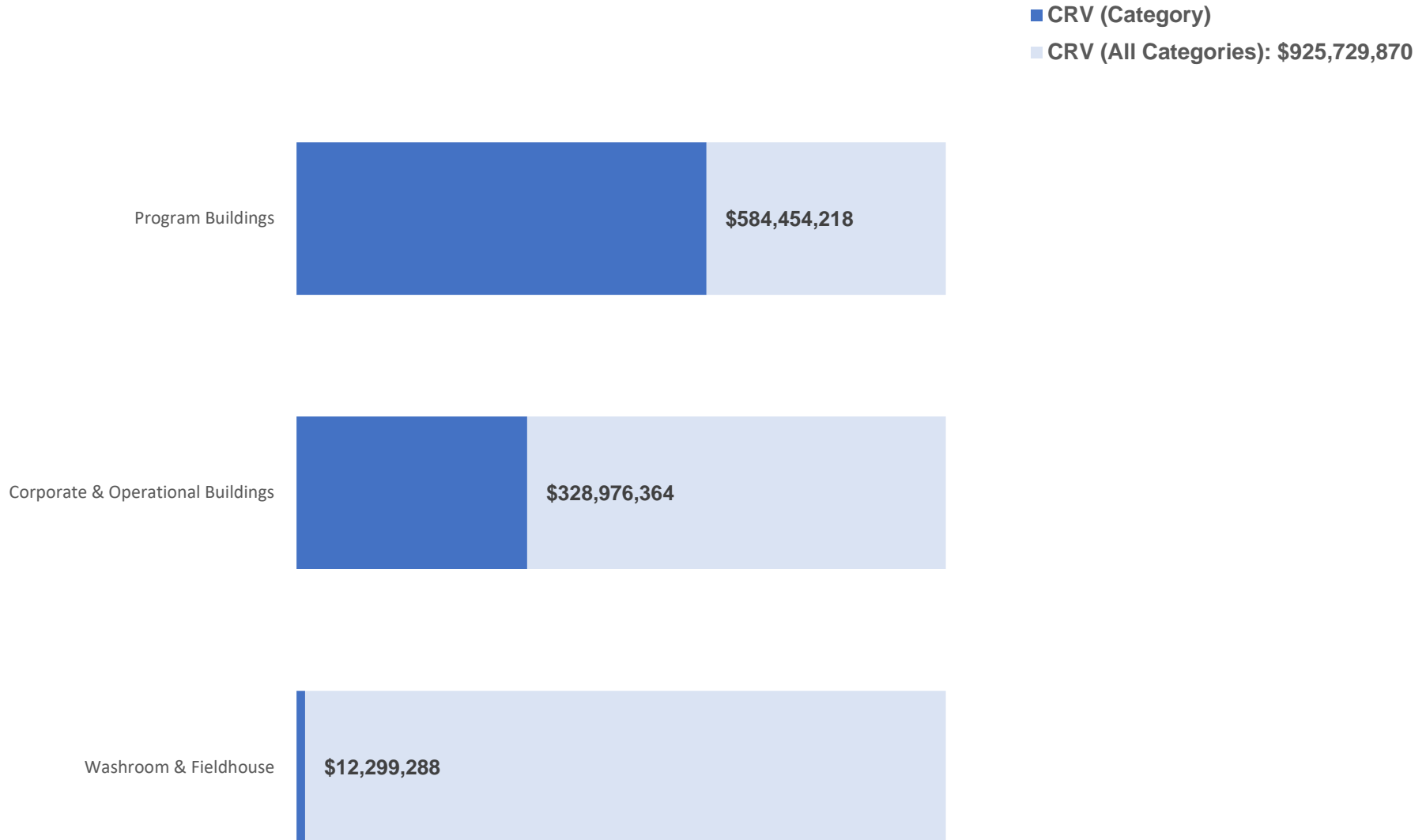
# SOIR Classification: Facilities

## Quantity Summary by Reporting Classification

| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Program Buildings | SQ. M. | 97,212 | 30 | 41 | $584,454,218 |
| Corporate & Operational Buildings | SQ. M. | 91,029 | 32 | 39 | $328,976,364 |
| Washroom & Fieldhouse | SQ. M. | 1,212 | 14 | 41 | $12,299,288 |
| Grand Total | | 189,453 | 29 | 40 | $925,729,870 |

# SOIR Classification: Facilities

## Condition Summary by Reporting Classification



Legend: Good (dark blue), Fair (gold), Poor (grey)

- Program Buildings: Good 48%, Fair 20%, Poor 32%
- Corporate & Operational Buildings: Good 66%, Fair 24%, Poor 10%
- Washroom & Fieldhouse: Good 97%, Poor 3%

# SOIR Classification: Facilities

## Stage of Life Summary by Reporting Classification
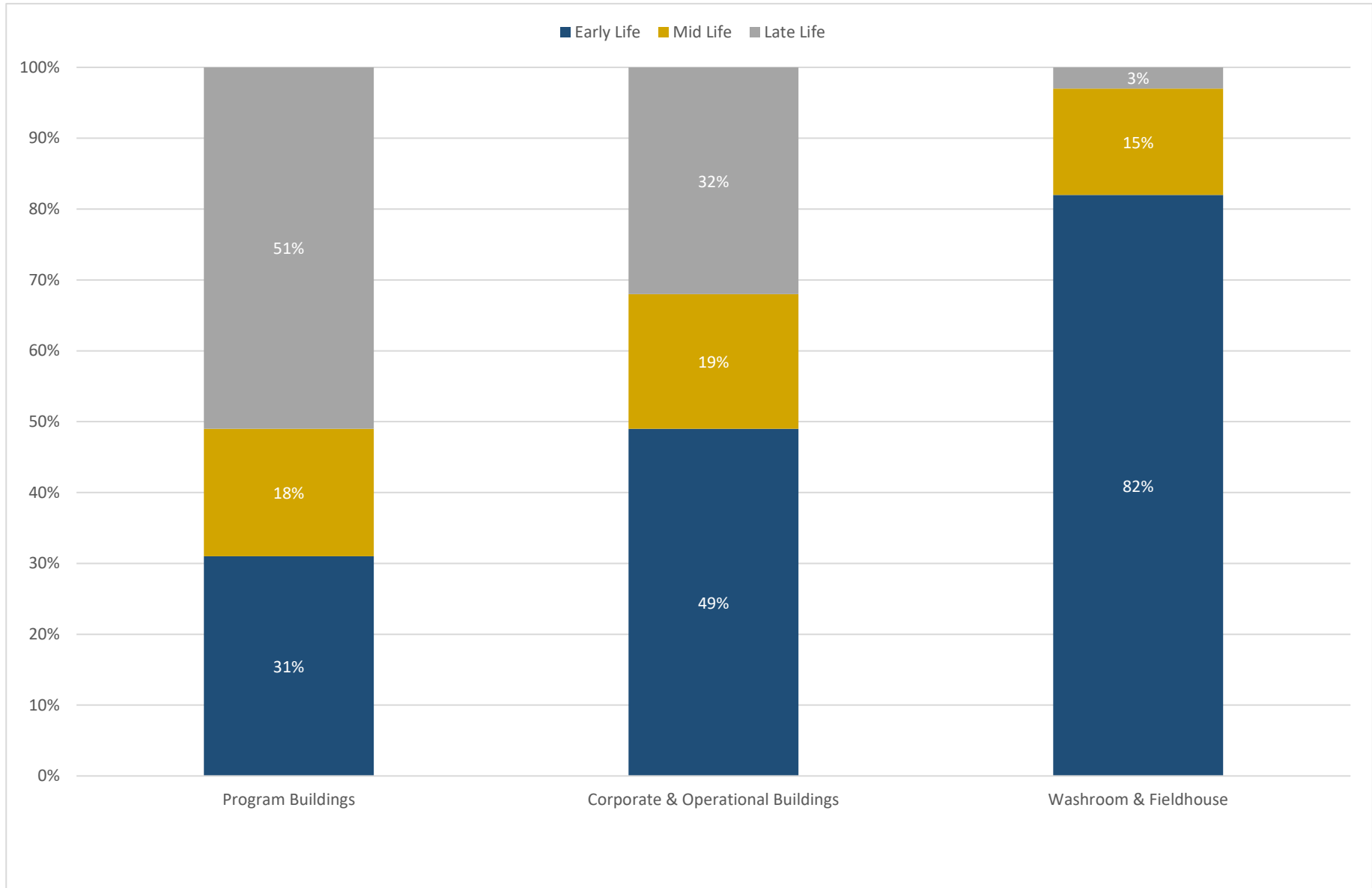
**SOIR Classification:** **Facilities**

**Reporting Classifiation** **Program Buildings**

## Total Current Value ($)

**584 MILLION**

## Number of Records    **40**

## Quantity of Assets by Unit of Measure

**97,212**

SQ. M.

## Average Expected Life
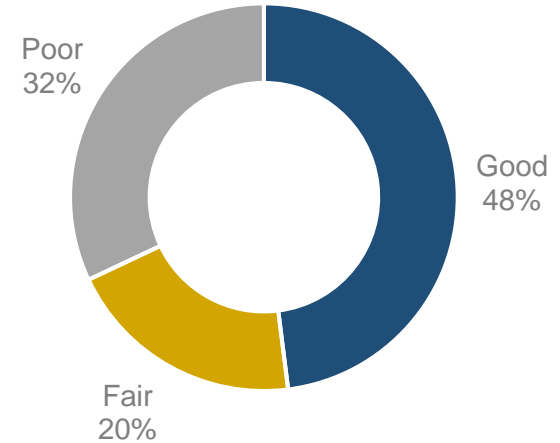
**41 Yrs**

| 30 YRS | Average Age | Average Remaining Life | 11 YRS |

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Poor 32%
Good 48%
Fair 20%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 31%
Late Life 51%
Mid Life 18%
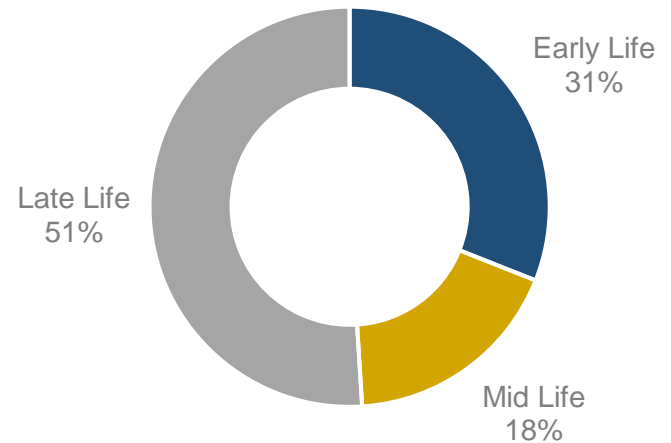
**SOIR Classification:** **Facilities**

**Reporting Classifiation** **Corporate & Operational Buildings**

## Total Current Value ($)

**329 MILLION**

## Number of Records    **70**

## Quantity of Assets by Unit of Measure

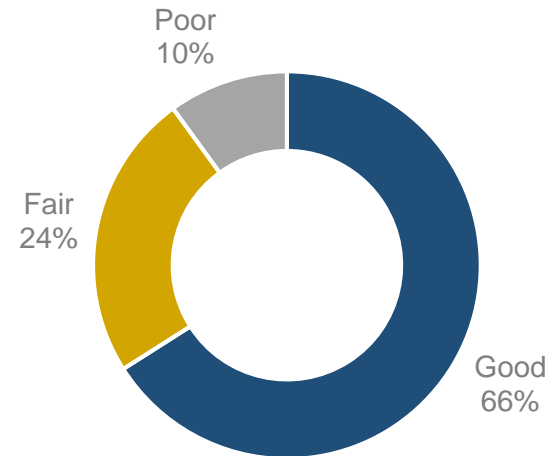**91,029**

SQ. M.

## Average Expected Life

**39 Yrs**

**32 YRS**

Average Age

Average Remaining Life

**7 YRS**

## Data Confidence Scale

| Low | Medium | High |
|-----|--------|------|

### PROPORTION OF ASSETS BY CONDITION

Poor 10%

Fair 24%

Good 66%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 32%

Early Life 49%

Mid Life 19%
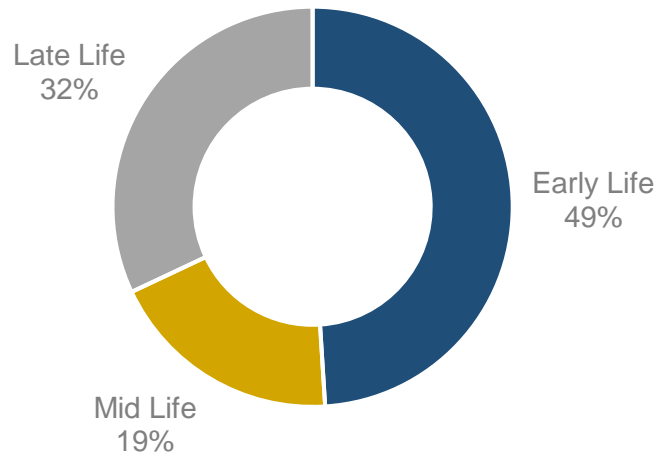
**SOIR Classification:** **Facilities**

**Reporting Classifiation** **Washroom & Fieldhouse**

## Total Current Value ($)

**12 MILLION**

## Number of Records 15

## Quantity of Assets by Unit of Measure

**1,212**

SQ. M.

## Average Expected Life

**41 Yrs**

**14 YRS** | Average Age | Average Remaining Life | **27 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Poor 3%

Good 97%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Mid Life 15%

Late Life 3%

Early Life 82%
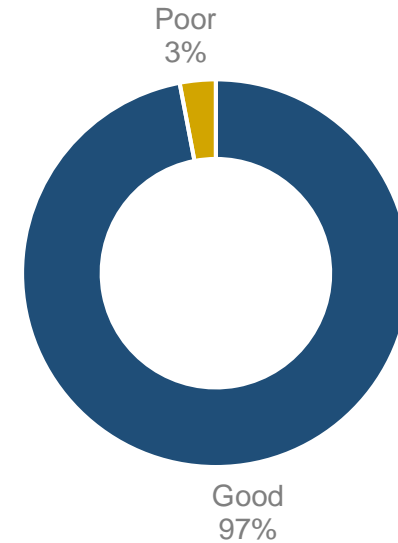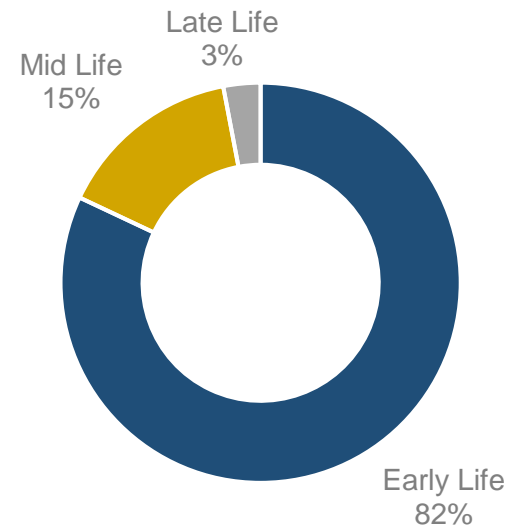
**TOWN OF OAKVILLE
STATE OF INFRASTRUCTURE REPORT**

**PARKS NETWORK
CLASSIFICATION**

June 30th, 2023

# SOIR: Parks Network

## Highlights

### Current Replacement Value

- The Parks Network Service comprises of seven (7) asset categories which are Courts and Related Components, Play Amenities and Related Components, Roadways & Parking Lots, Site Improvements, Sportfields and Related Components, Structures and Related Components, and Bridge & Stairs.

- The estimated current replacement value (CRV) of the Parks Network assets is approximately $164 Million.

- Sportfields and Related Components account for the relatively larger proportions of the total CRV of the Park Network assets, at $34 Million (or 21%), followed by Site Improvements at $30 Million (or 18%), and Play Amenities and Related Components $27 Million (or 16%).

### Condition

- Parks Network assets are assessed for condition on a scheduled basis. Parks bridges and stairs are inspected by an engineering firm every 2 years, Shade structures are inspected by an engineering firm every 5 years and the remaining asset are inspected yearly by Town Parks staff.

- In absence of physical condition information, the asset conditions have been calculated based on the age and expected remaining useful life of the asset.

- In general, the Parks Network assets are largely in Good condition and none in Poor condition. On average, 84% are in Good condition and 16% are in Fair condition.

# SOIR:   Parks Network

## Highlights

### Stage of Life

- The estimated average useful life of the asset categories ranges from 14 to 27 years and the average age ranges from 4 to 18 years. Overall, 73% of the assets are in the Early and Mid Life and 27% are in the Late Life.

- All seven (7) categories have assets in the Late Life. The proportions range from 2% to 62%. Bridges and Stairs has the largest portion of assets in Late Life (62%), followed by Sports and Related Components (58%) and Roadway & Parking Lots (47%).

### Strategies

- All park assets are inspected for conditions and performance on a cyclic basis.

- Asset renewal programs support park objectives in parks master planning.

- An example is play amenities (playground) which are inspected monthly to ensure the safety of the using public. This monthly maintenance ensures overall good condition regardless of stage of life. This could be observed by reviewing the bar graphs for condition and stage of life.

### Reference

| Group | Examples |
|---|---|
| Sportfields and Related Components | Ball Diamonds, Cricket Pitches, Soccer Fields |
| Site Improvements | Irrigation Systems , Walkways |
| Play Amenities and Related Components | Playground, Skateboard Park, Splash Pad |
| Structures and Related Components | shade structures |
| Roadway & Parking Lot | Driveways, parking lots |
| Trail System - Bridge & Stairs | Park Bridges, Park Stairs |
| Courts and Related Components | Basketball Court, Tennis Courts |

**SOIR Classification:**     **Parks Network**

**Reporting Classifiation**     **(All)**

## Total Current Value ($)

**164 MILLION**

## Number of Records     **2,056**

## Quantity of Assets by Unit of Measure

| **1,132** | **73,557** | **165,714** |
|-----------|------------|-------------|
| EACH | L. M. | SQ. M. |

## Average Expected Life

**22 Yrs**

| **11 YRS** | Average Age | Average Remaining Life | **11 YRS** |

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Fair
16%

Good
84%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life
27%

Early Life
51%

Mid Life
22%
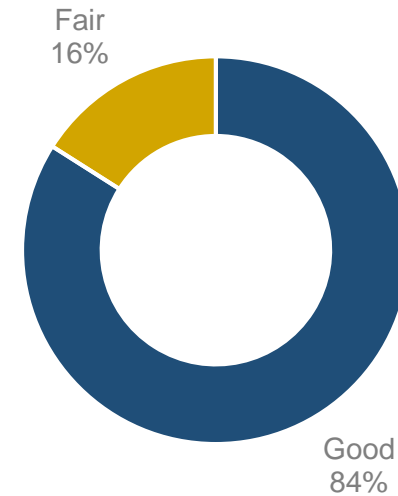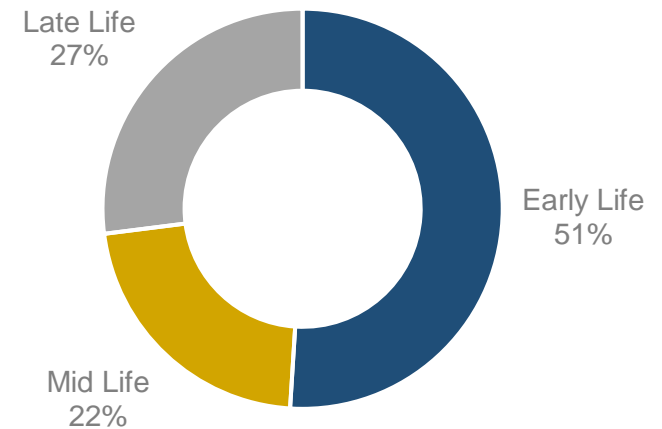
# SOIR Classification: Parks Network

## Current Replacement Value Summary by Reporting Classification

■ CRV (Category)
■ CRV (All Categories): $163,629,356

| Category | CRV |
|---|---|
| Sportfields and Related Components | $33,940,474 |
| Site Improvements | $30,075,812 |
| Play Amenities and Related Components | $26,682,322 |
| Structures and Related Components | $23,088,719 |
| Roadway & Parking Lot | $22,746,743 |
| Trail System - Bridge & Stairs | $18,806,949 |
| Courts and Related Components | $8,288,338 |
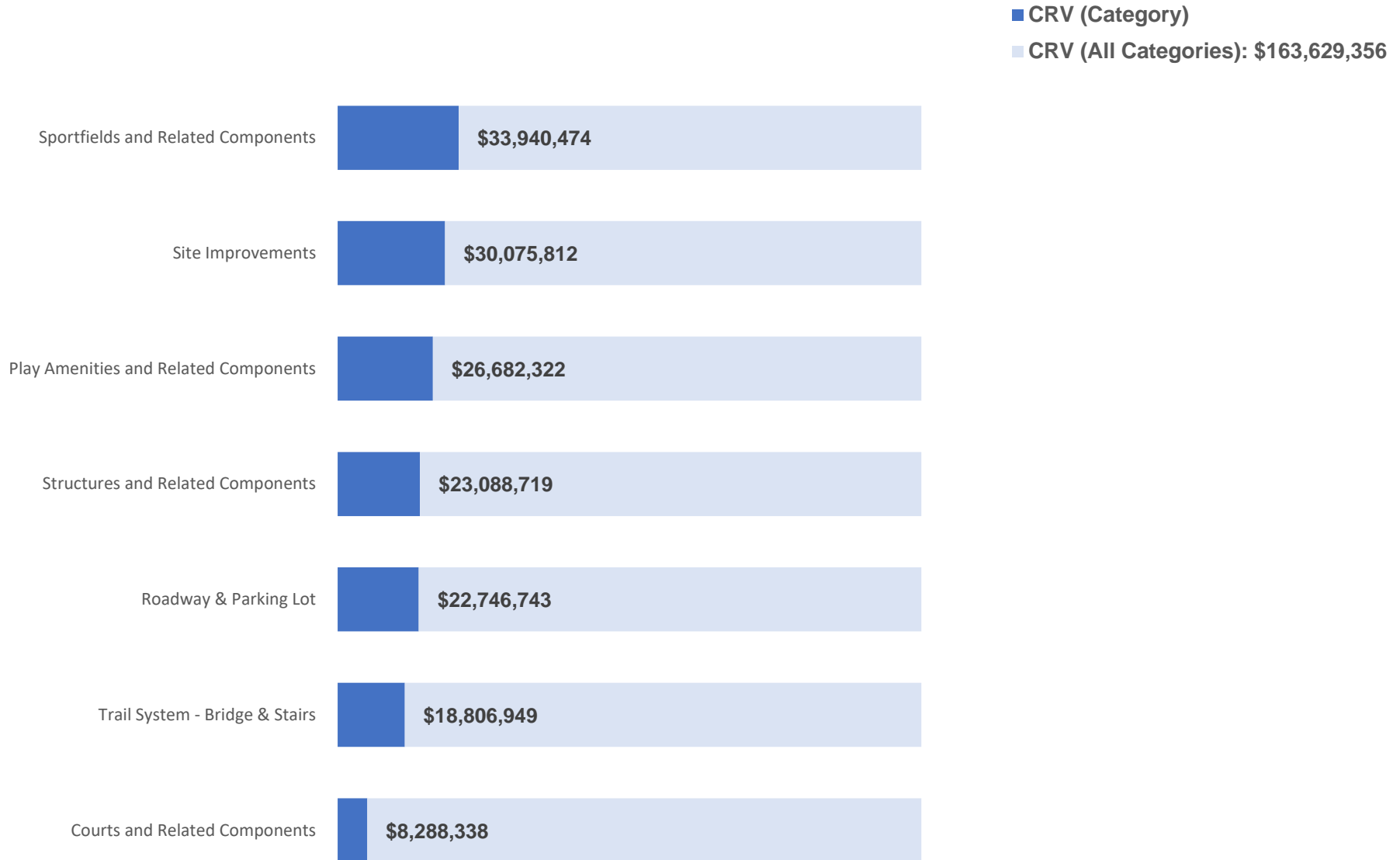
# SOIR Classification: Parks Network

## Quantity Summary by Reporting Classification

| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Sportfields and Related Components | EACH | 144 | 18 | 20 | $33,940,474 |
| Site Improvements | L. M. | 73,557 | 5 | 20 | $19,109,288 |
| | EACH | 423 | 5 | 22 | $10,528,357 |
| | SQ. M. | 308 | 3 | 38 | $438,167 |
| Play Amenities and Related Components | EACH | 208 | 14 | 18 | $26,286,532 |
| | SQ. M. | 1,530 | 5 | 10 | $395,790 |
| Structures and Related Components | SQ. M. | 6,566 | 16 | 27 | $23,088,719 |
| Roadway & Parking Lot | SQ. M. | 157,311 | 15 | 24 | $22,746,743 |
| Trail System - Bridge & Stairs | EACH | 193 | 18 | 18 | $18,806,949 |
| Courts and Related Components | EACH | 163 | 8 | 18 | $8,288,338 |
| Grand Total | | | | | $163,629,356 |

# SOIR Classification: Parks Network

## Condition Summary by Reporting Classification



Legend: Good, Fair, Poor

| Category | Good | Fair | Poor |
|---|---|---|---|
| Sportfields and Related Components | 85% | 15% | |
| Site Improvements | 97% | 3% | |
| Play Amenities and Related Components | 62% | 38% | |
| Structures and Related Components | 76% | 24% | |
| Roadway & Parking Lot | 74% | 26% | |
| Trail System - Bridge & Stairs | 71% | 28% | 1% |
| Courts and Related Components | 87% | 13% | |
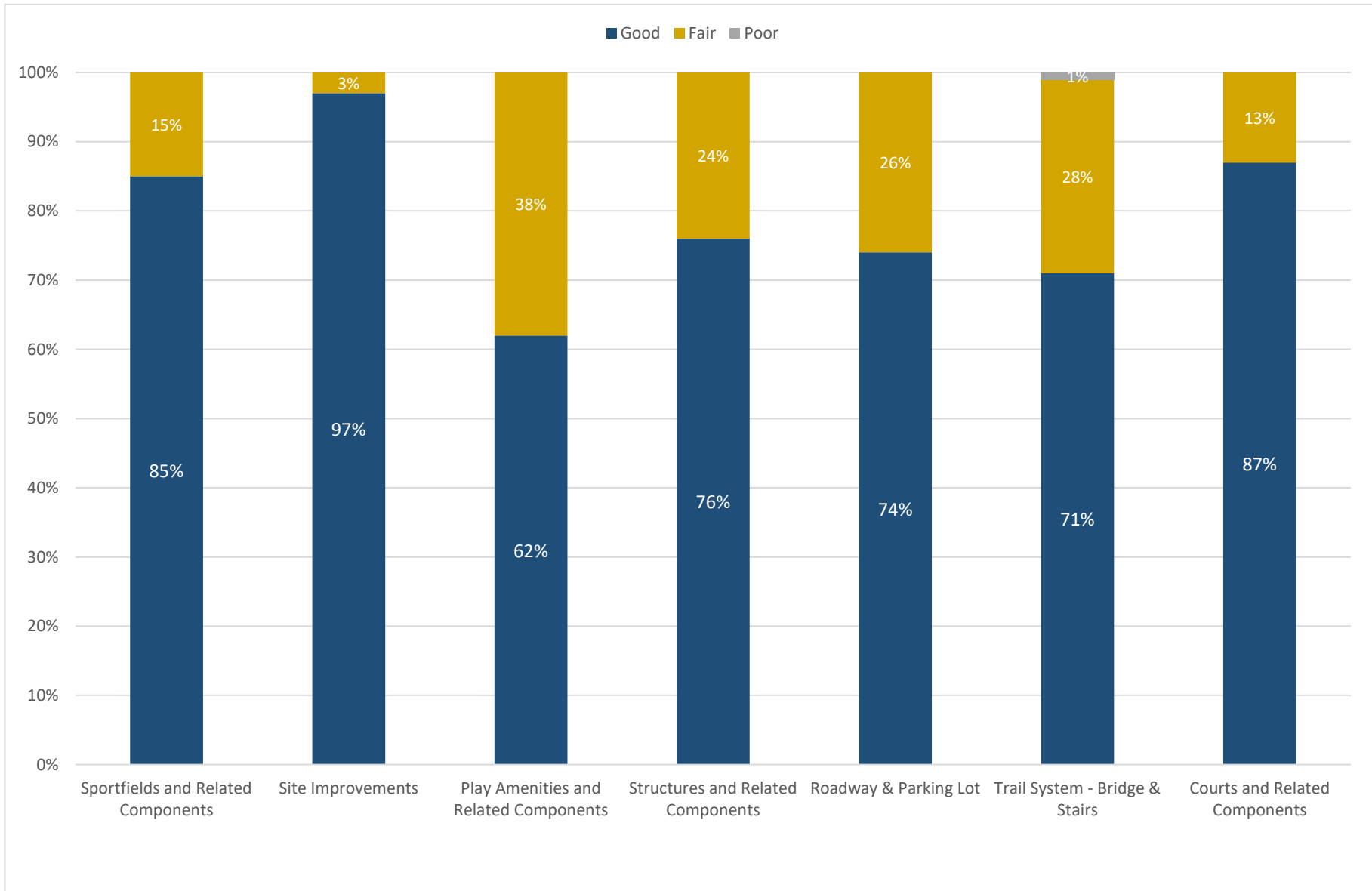
# SOIR Classification: Parks Network

## Stage of Life Summary by Reporting Classification
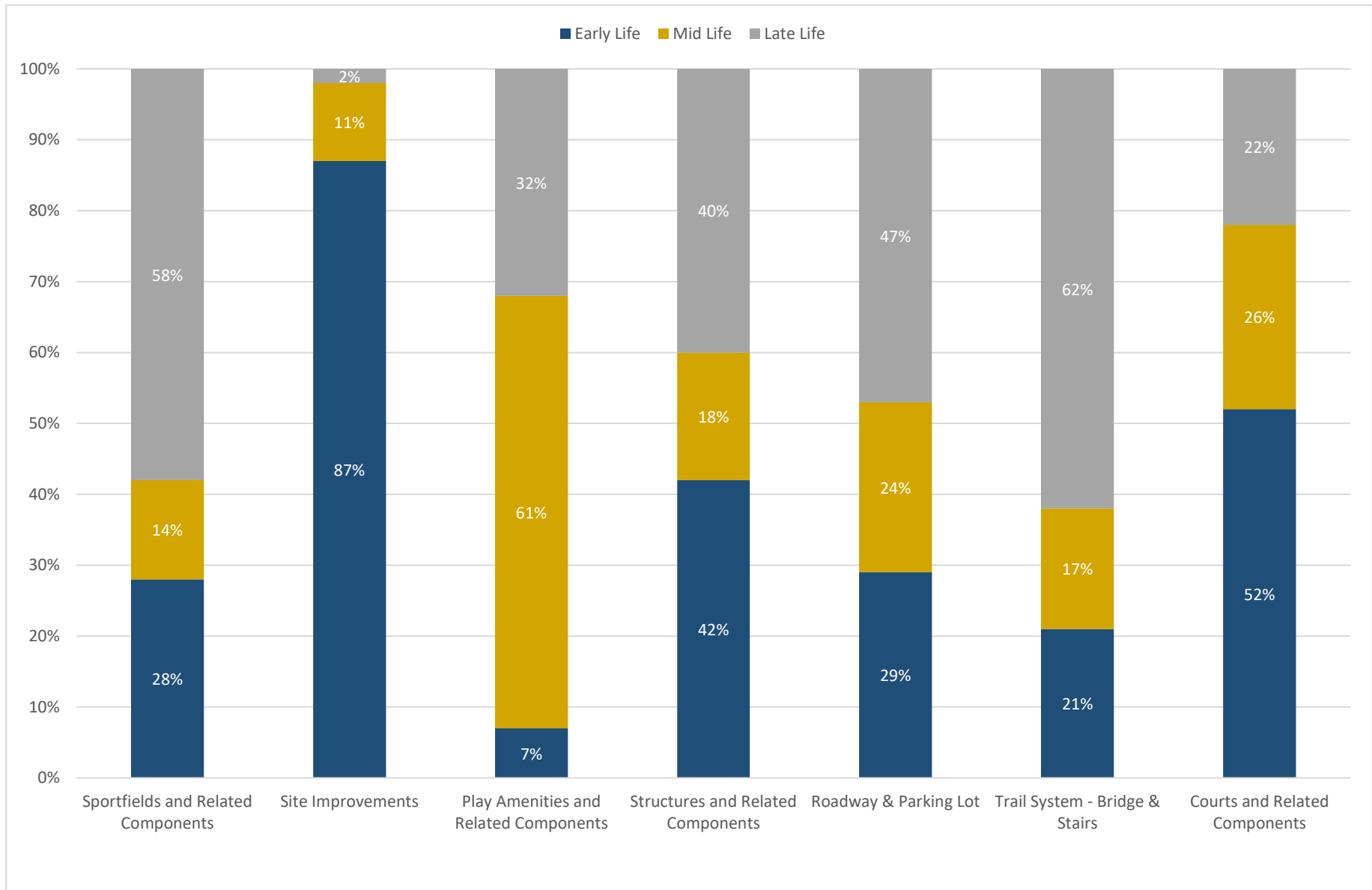
**SOIR Classification:**  **Parks Network**

**Reporting Classifiation**  **Sportfields and Related Components**

**Total Current Value ($)**

**34 MILLION**

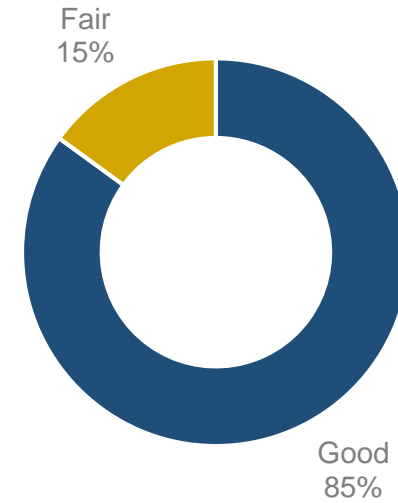**Number of Records**  **130**

**Quantity of Assets by Unit of Measure**

**144**

EACH

**Average Expected Life**

**20 Yrs**

**18 YRS**

Average Age

Average Remaining Life

**2 YRS**

**Data Confidence Scale**

| Low | Medium | High |
|-----|--------|------|

**PROPORTION OF ASSETS BY CONDITION**

Fair 15%

Good 85%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 28%

Mid Life 14%

Late Life 58%
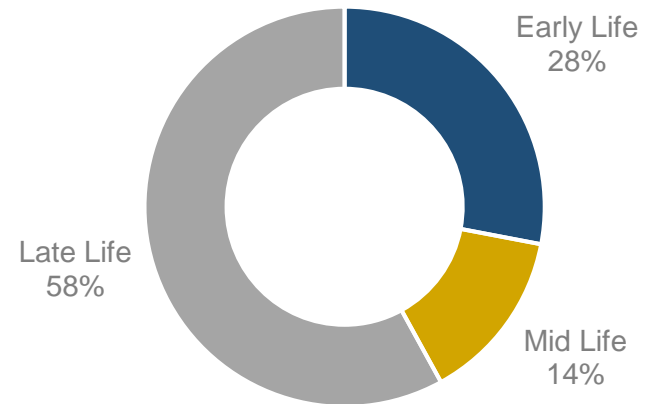
**SOIR Classification:**     **Parks Network**

**Reporting Classifiation**     **Site Improvements**

## Total Current Value ($)

**30 MILLION**

## Number of Records     **1,151**

## Quantity of Assets by Unit of Measure

| **423** | **73,557** | **308** |
|---------|-----------|---------|
| EACH | L. M. | SQ. M. |

## Average Expected Life

**27 Yrs**

| 4 YRS | Average Age | Average Remaining Life | 23 YRS |
|-------|-------------|------------------------|--------|

## Data Confidence Scale

| Low | Medium | High |
|-----|--------|------|

### PROPORTION OF ASSETS BY CONDITION

Fair
3%

Good
97%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Mid Life
11%

Late Life
1%

Early Life
87%
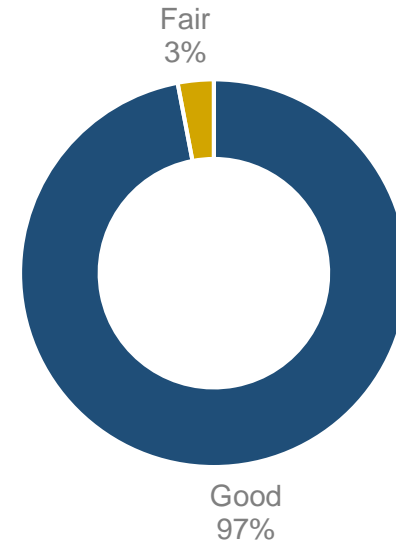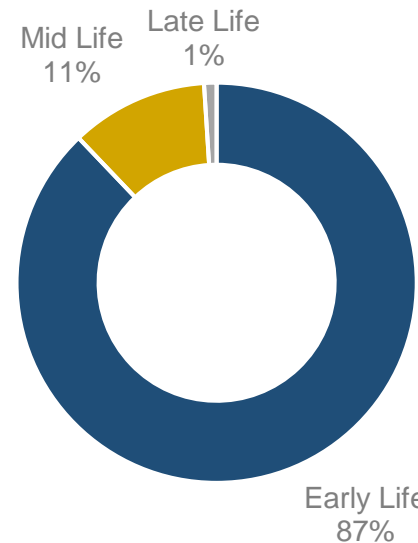
**SOIR Classification:**      **Parks Network**

**Reporting Classifiation**      **Play Amenities and Related Components**

## Total Current Value ($)

### 27 MILLION

## Number of Records     **212**

## Quantity of Assets by Unit of Measure

**208**       **1,530**
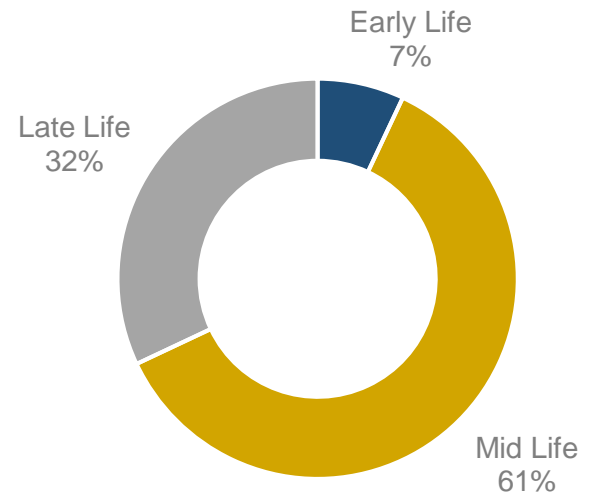
EACH        SQ. M.

## Average Expected Life

**14 Yrs**

**10 YRS** | Average Age | Average Remaining Life | **4 YRS**

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Fair 38%

Good 62%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 7%

Late Life 32%

Mid Life 61%

**SOIR Classification:**  **Parks Network**

**Reporting Classifiation**  **Structures and Related Components**

## Total Current Value ($)

### 23 MILLION

## Number of Records    164

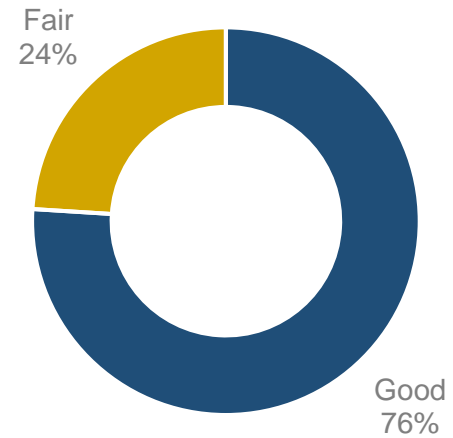## Quantity of Assets by Unit of Measure
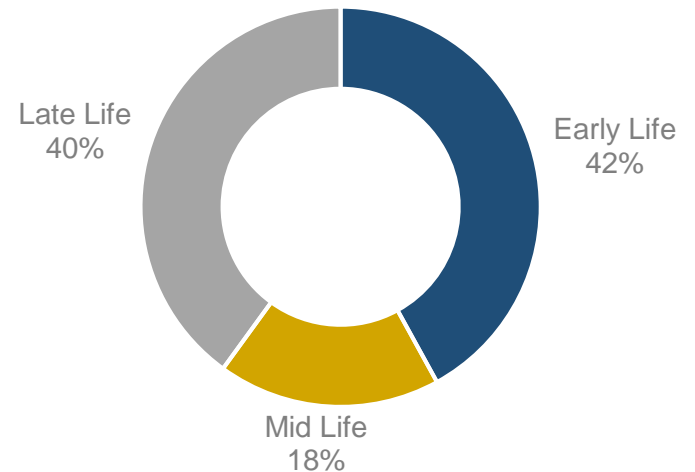
**6,566**

SQ. M.

## Average Expected Life

**27 Yrs**

| 16 YRS | Average Age | Average Remaining Life | 11 YRS |

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Fair 24%

Good 76%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 40%

Early Life 42%

Mid Life 18%

**SOIR Classification:**       **Parks Network**

**Reporting Classifiation**       **Roadway & Parking Lot**

## Total Current Value ($)

**23 MILLION**

## Number of Records      **133**

## Quantity of Assets by Unit of Measure
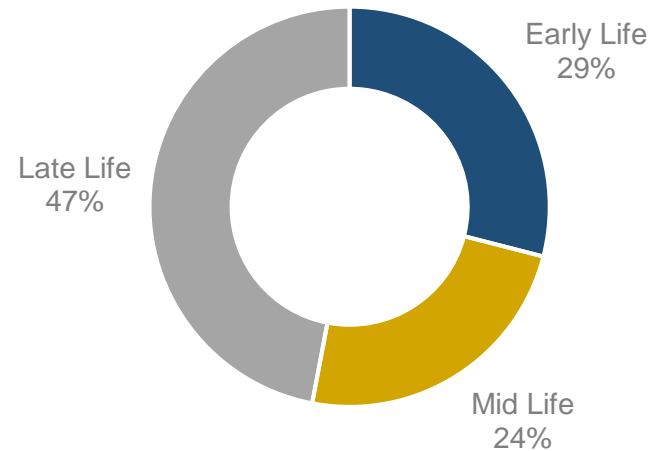
**157,311**

SQ. M.

## Average Expected Life
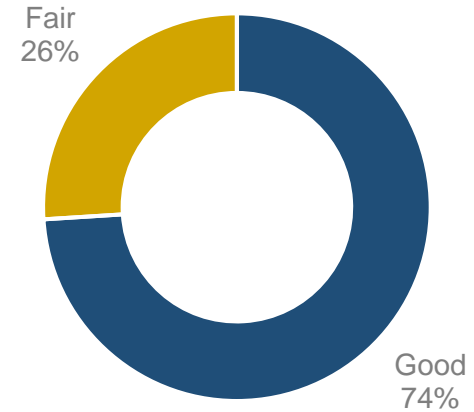
**24 Yrs**

**15 YRS** — Average Age | Average Remaining Life — **9 YRS**

## Data Confidence Scale

| Low | Medium | High |
|-----|--------|------|

(arrow pointing to High)

### PROPORTION OF ASSETS BY CONDITION

- Fair 26%
- Good 74%

### PROPORTION OF ASSETS BY STAGE OF LIFE

- Early Life 29%
- Mid Life 24%
- Late Life 47%

**SOIR Classification:**     **Parks Network**

**Reporting Classifiation**     **Trail System - Bridge & Stairs**

**Total Current Value ($)**

# 19 MILLION

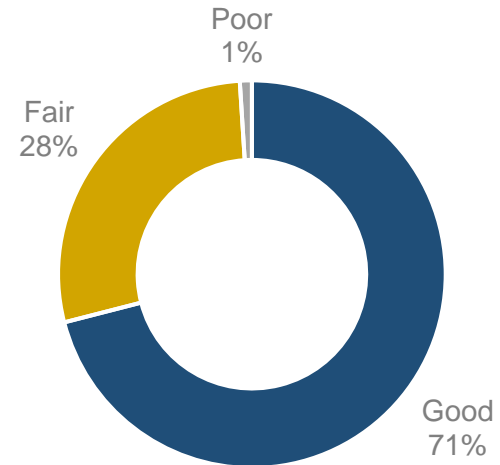**Number of Records**     **193**

**Quantity of Assets by Unit of Measure**

**193**

EACH

**Average Expected Life**

**18 Yrs**

| 18 YRS | Average Age | Average Remaining Life | 0 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Poor 1%
Fair 28%
Good 71%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 21%
Mid Life 17%
Late Life 62%

**SOIR Classification:** Parks Network

**Reporting Classifiation** Courts and Related Components

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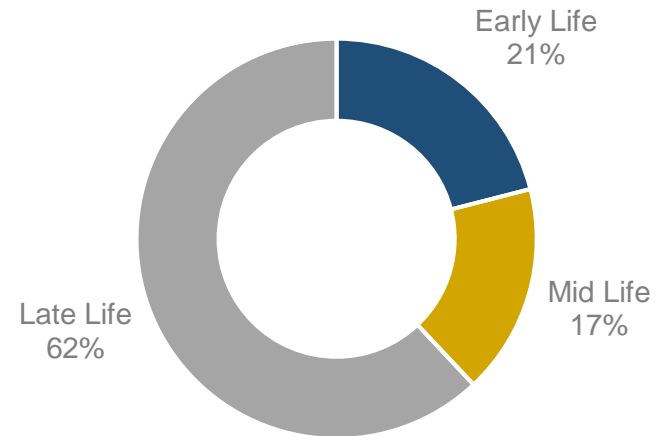
**Total Current Value ($)**

**8 MILLION**

**Number of Records** **73**

**Quantity of Assets by Unit of Measure**

**163**

EACH

**Average Expected Life**

**18 Yrs**

| 8 YRS | Average Age | Average Remaining Life | 10 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Fair 13%

Good 87%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Late Life 23%

Early Life 52%

Mid Life 26%
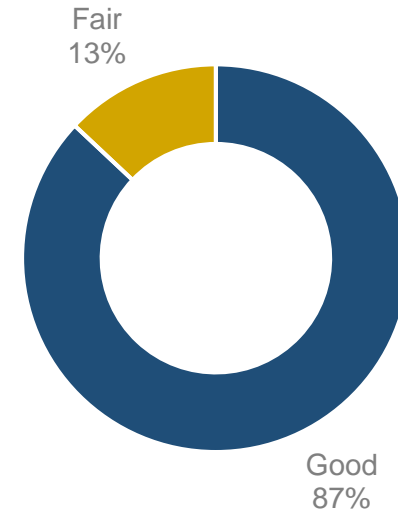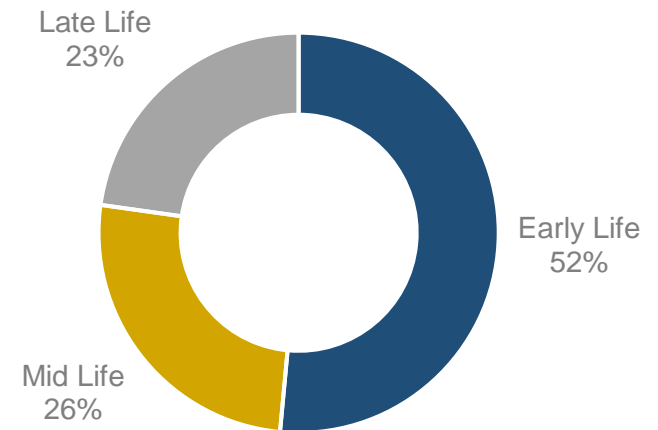
# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

# LICENSED FLEET
# CLASSIFICATION

June 30th, 2023

# SOIR: Licensed Fleet

## Highlights

### Current Replacement Value

- The Licensed Fleet Service comprises of five (5) asset categories which are Buses (Conventional & Para), Fire Suppression Vehicles (Pumpers, Aerials, Rescue), Heavy Duty Type Vehicles (Dump, 550's, Packers), Light & Medium Duty Type Vehicles (Pick Ups, 450s, SUV), and Trailers (Single, Tri, Dump).

- The estimated current replacement value (CRV) of the Licensed Fleet assets is approximately $156 Million.

- Buses (Conventional & Para) account for the majority of the total CRV of the Licensed Fleet assets at $106 Million (or 68%), followed by Fire Suppression Vehicles (Pumpers, Aerials, Rescue) at $23 Million (or 14%). Heavy Duty Type Vehicles and Light & Medium Vehicles account for $13 Million (or 8%)

### Condition

- The conditions of Licensed Fleet assets are assessed during annual safety inspections. In absence of physical condition information, the asset conditions have been based on the age and expected useful life of the asset.

- In general, the Licensed Fleet assets are in Good or Fair condition. On average, 57% are in Good condition and 42% are in Fair condition.

### Stage of Life

- The estimated average useful life of the asset categories ranges from 7 to 14 years and the average age ranges from 7 to 12 years. Overall, 40% of the assets are in the Early and Mid Life and 60% are in the Late Life.

- All five (5) categories have a proportion of assets in the Late Life. With percentage in brackets represent the proportion of assets in Late Life, these categories include: Fire Suppression Vehicles has the largest portion of assets in Late Life (85%), followed by Light & Medium Duty Type Vehicle (69%), Heavy Duty Type Vehicle (62%), Trailer (53%), and Bus (50%).

## SOIR:   Licensed Fleet

## Highlights

### Strategies

- All vehicle conditions are assessed during annual safety inspections.

- Asset renewal programs are in place that review utilization and potential electrification.

- Fire suppression vehicles are renewed based on useful life following fire guidelines and legislation. This could be observed by reviewing the bar graphs for condition and stage of life.

### Reference

| Group | Examples |
|---|---|
| Bus | Conventional & Para |
| Fire Suppression Vehicle | Pumpers, Aerials, Rescue |
| Heavy Duty Type Vehicle | Dump, 550's, Packers |
| Light & Medium Duty Type Vehicle | Pick Ups, 450s, SUV |
| Trailer | Single, Tri, Dump |

**SOIR Classification:** **Licensed Fleet**

**Reporting Classifiation** **(All)**

## Total Current Value ($)

**156 MILLION**

## Number of Records    **525**

## Quantity of Assets by Unit of Measure

**525**

EACH

## Average Expected Life

**11 Yrs**

| **9** YRS | Average Age | Average Remaining Life | **2** YRS |

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Poor 1%
Fair 42%
Good 57%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 16%
Mid Life 24%
Late Life 60%
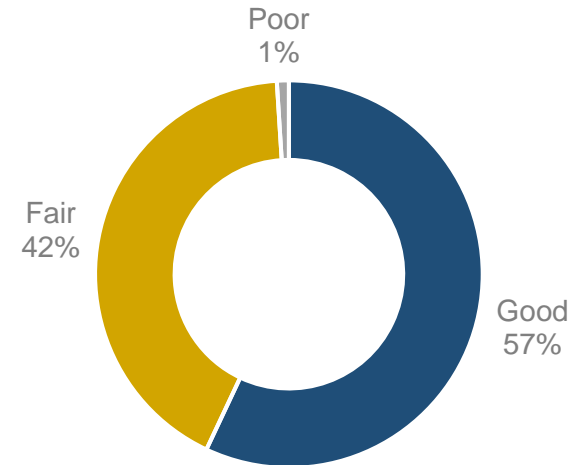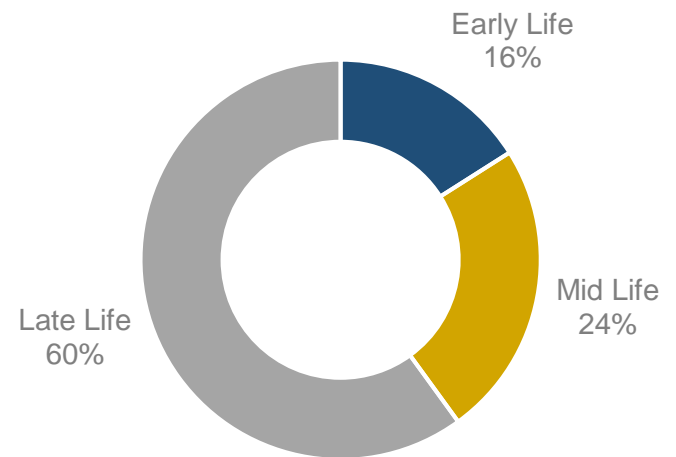
# SOIR Classification: Licensed Fleet
## Current Replacement Value Summary by Reporting Classification

■ CRV (Category)
■ CRV (All Categories): $156,449,335

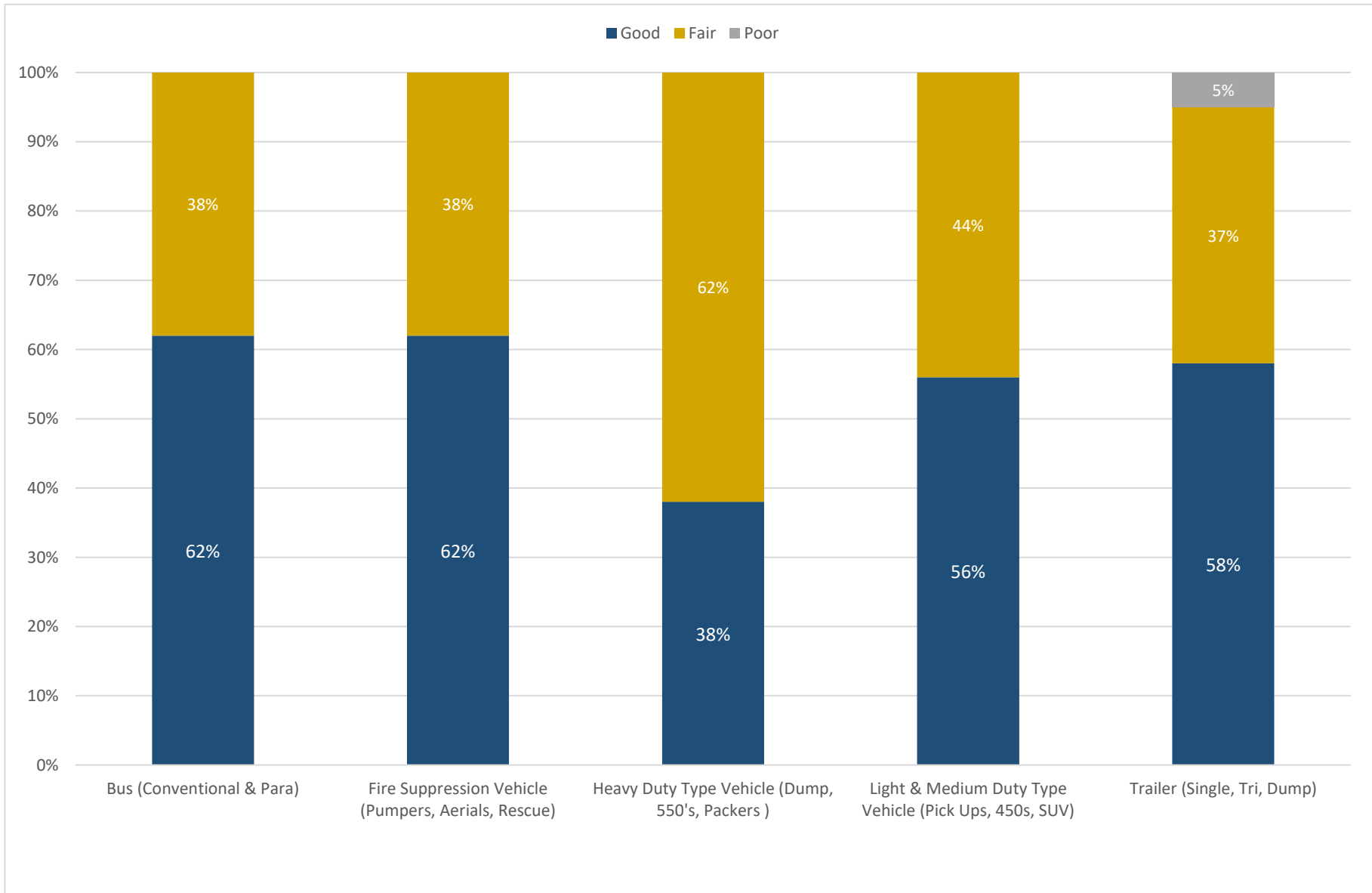| Classification | Value |
|---|---|
| Bus (Conventional & Para) | $105,866,810 |
| Fire Suppression Vehicle (Pumpers, Aerials, Rescue) | $22,621,959 |
| Heavy Duty Type Vehicle (Dump, 550's, Packers ) | $13,109,478 |
| Light & Medium Duty Type Vehicle (Pick Ups, 450s, SUV) | $9,963,612 |
| Trailer (Single, Tri, Dump) | $4,887,476 |
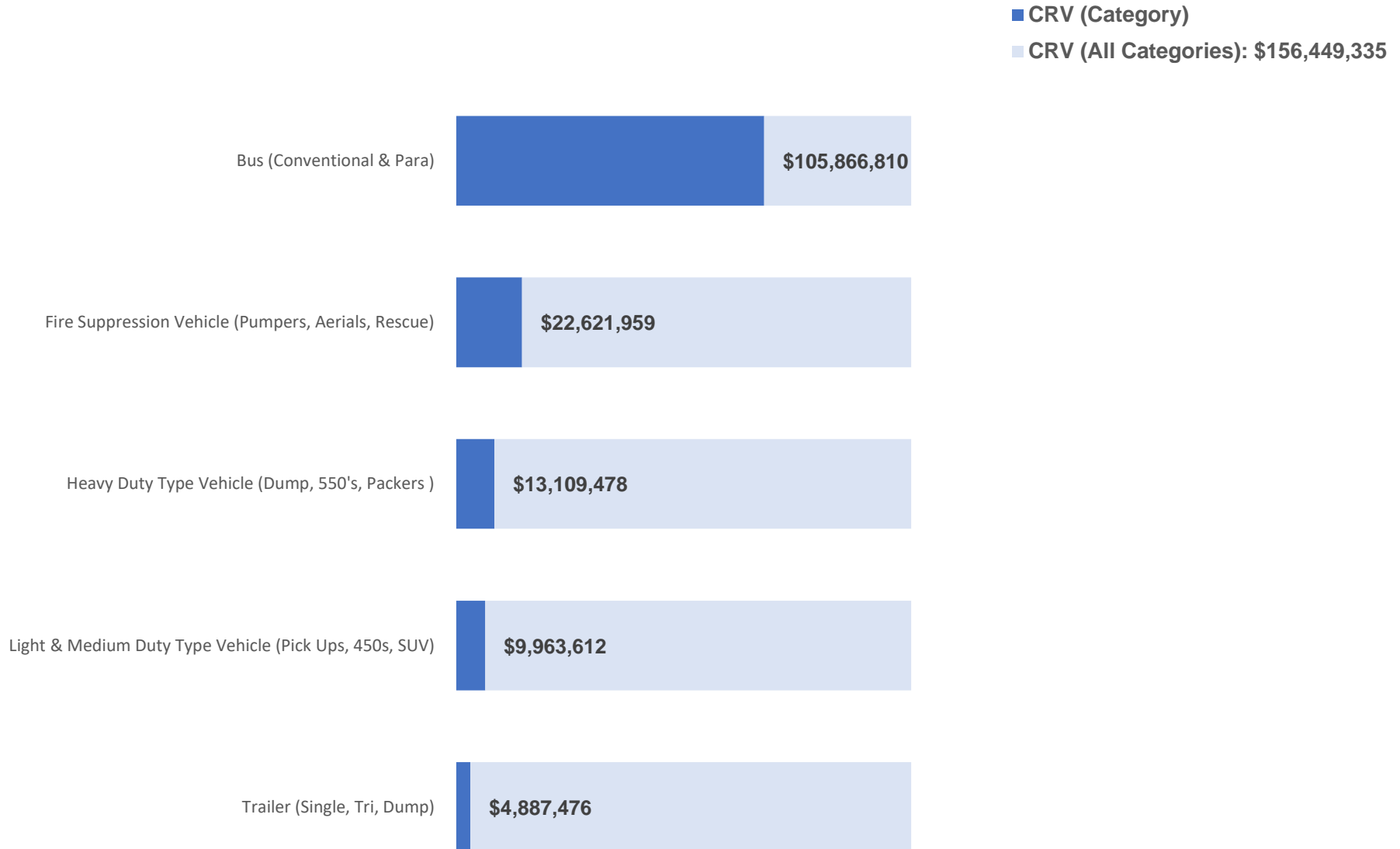
# SOIR Classification: Licensed Fleet

## Quantity Summary by Reporting Classification

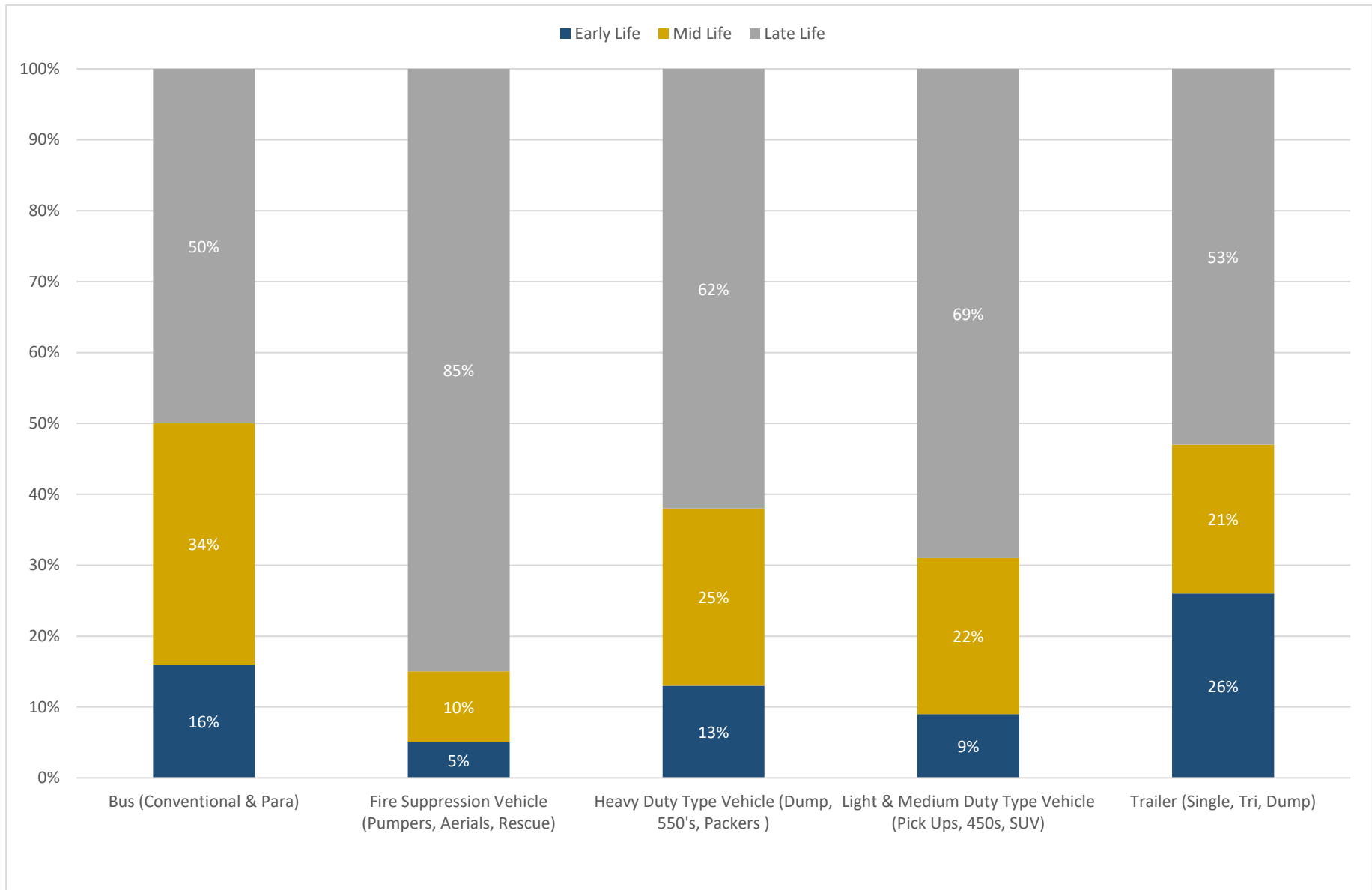| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Bus (Conventional & Para) | EACH | 122 | 8 | 12 | $105,866,810 |
| Fire Suppression Vehicle (Pumpers, Aerials, Rescue) | EACH | 21 | 12 | 11 | $22,621,959 |
| Heavy Duty Type Vehicle (Dump, 550's, Packers ) | EACH | 52 | 7 | 9 | $13,109,478 |
| Light & Medium Duty Type Vehicle (Pick Ups, 450s, SUV) | EACH | 179 | 7 | 7 | $9,963,612 |
| Trailer (Single, Tri, Dump) | EACH | 151 | 11 | 14 | $4,887,476 |
| **Grand Total** | | **525** | **9** | **11** | **$156,449,335** |

# SOIR Classification: Licensed Fleet

## Condition Summary by Reporting Classification

# SOIR Classification: Licensed Fleet

## Stage of Life Summary by Reporting Classification



Legend: ■ Early Life  ■ Mid Life  ■ Late Life

| Classification | Early Life | Mid Life | Late Life |
|---|---|---|---|
| Bus (Conventional & Para) | 16% | 34% | 50% |
| Fire Suppression Vehicle (Pumpers, Aerials, Rescue) | 5% | 10% | 85% |
| Heavy Duty Type Vehicle (Dump, 550's, Packers) | 13% | 25% | 62% |
| Light & Medium Duty Type Vehicle (Pick Ups, 450s, SUV) | 9% | 22% | 69% |
| Trailer (Single, Tri, Dump) | 26% | 21% | 53% |

**SOIR Classification:**      **Licensed Fleet**

**Reporting Classifiation**      **Bus (Conventional & Para)**

## Total Current Value ($)

**106 MILLION**

## Number of Records     **122**

## Quantity of Assets by Unit of Measure
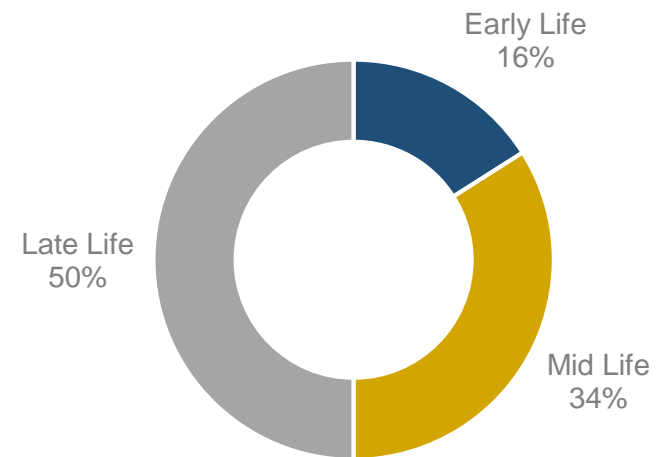
**122**

EACH

## Average Expected Life

**12 Yrs**

| 8 YRS | Average Age | Average Remaining Life | 4 YRS |

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Fair 38%

Good 62%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 16%

Mid Life 34%

Late Life 50%

| SOIR Classification: | Licensed Fleet |
| Reporting Classifiation | Fire Suppression Vehicle (Pumpers, Aerials, Rescue) |

## Total Current Value ($)

### 23 MILLION

## Number of Records        21

## Quantity of Assets by Unit of Measure
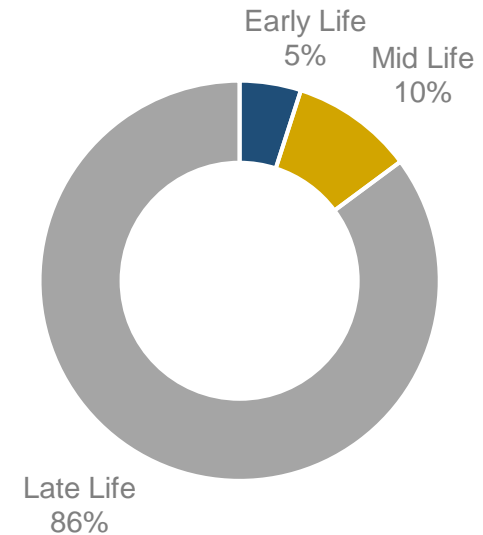
**21**

EACH

## Average Expected Life

**11 Yrs**

| 12 YRS | Average Age | Average Remaining Life | 0 YRS |

## Data Confidence Scale

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Fair 38%

Good 62%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 5%

Mid Life 10%

Late Life 86%

**SOIR Classification:**  **Licensed Fleet**

**Reporting Classifiation**  **Heavy Duty Type Vehicle (Dump, 550's, Packers )**

**Total Current Value ($)**

**13 MILLION**

**Number of Records**  **52**

**Quantity of Assets by Unit of Measure**
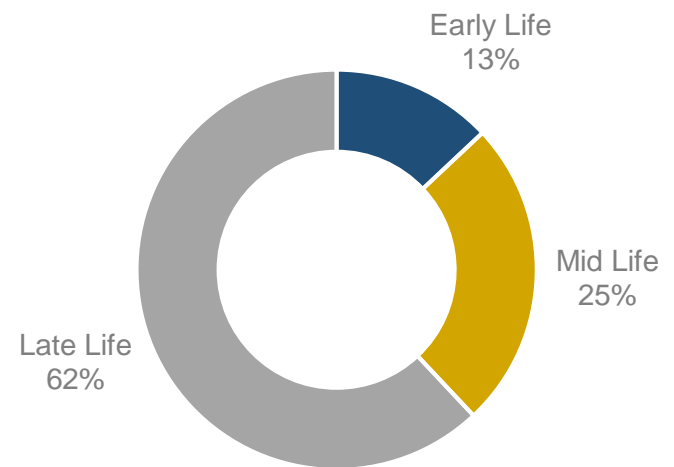
**52**

EACH

**Average Expected Life**

9 Yrs

| 7 YRS | Average Age | Average Remaining Life | 2 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Good 38%

Fair 62%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 13%

Mid Life 25%

Late Life 62%

**SOIR Classification:**       **Licensed Fleet**

**Reporting Classifiation**       **Light & Medium Duty Type Vehicle (Pick Ups, 450s, SUV)**

## Total Current Value ($)

**10 MILLION**

## Number of Records     **179**

## Quantity of Assets by Unit of Measure
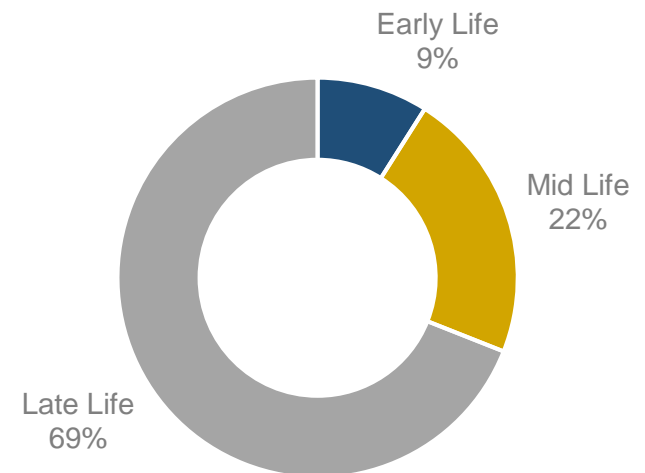
**179**

EACH

## Average Expected Life

**7 Yrs**

| 7 YRS | Average Age | Average Remaining Life | 0 YRS |
|---|---|---|---|

## Data Confidence Scale

| Low | Medium | High |
|---|---|---|

### PROPORTION OF ASSETS BY CONDITION

Fair 44%

Good 56%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 9%

Mid Life 22%

Late Life 69%

**SOIR Classification:** Licensed Fleet

**Reporting Classifiation** Trailer (Single, Tri, Dump)

**Total Current Value ($)**

**5 MILLION**

**Number of Records** **151**

**Quantity of Assets by Unit of Measure**

**151**

EACH

**Average Expected Life**

**14 Yrs**

**11 YRS** | Average Age | Average Remaining Life | **3 YRS**

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Poor 5%
Fair 37%
Good 58%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life 26%
Mid Life 21%
Late Life 53%

APPENDIX A-6
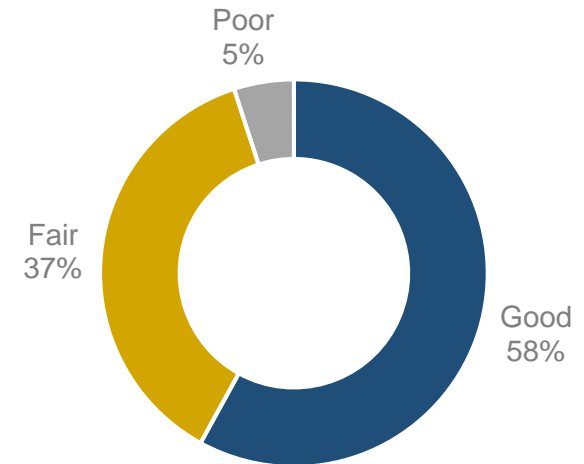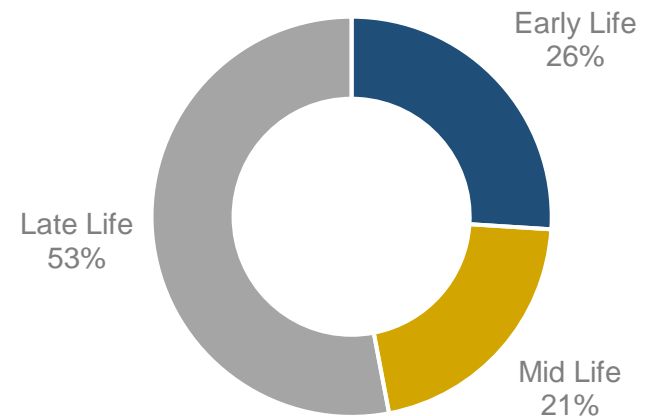
**TOWN OF OAKVILLE
STATE OF INFRASTRUCTURE REPORT**

**EQUIPMENT
CLASSIFICATION**

June 30th, 2023

# SOIR: Equipment

## Highlights

### Current Replacement Value (CRV)

- The Equipment Service comprises of eight (8) asset categories which are Earth Moving & Road Equipment, Emergency & Safety Equipment, Facility Operational Equipment, Grounds Maintenance Equipment, Material Handling Equipment, Program Equipment, Vehicular Service Equipment, and Waste Handling Equipment.

- The estimated current replacement value (CRV) of the equipment assets is approximately $53 Million.

- Program Equipment accounts for the largest portion of the total CRV of the Equipment assets at $21 Million (or 40%), followed by Facility Operational Equipment with $10 Million (or 19%) and Earth Moving & Road Equipment with $9 Million (or 16%).

### Condition

- Conditions of the Earth Moving and Road Equipment assets are assessed during the annual safety inspections. The conditions of the remaining assets are calculated based on the age and expected remaining useful life of the assets.

- In general, the Equipment assets are largely in Fair to Good Condition. On average, 57% are in Good condition and 42% are in Fair condition.

- Five (5) categories have assets in the Poor condition. With percentage in brackets represent the proportion of assets in Poor condition, these categories include: Material Handling Equipment (20%), Grounds Maintenance Equipment (7%), Vehicular Service Equipment (7%), Facility Operational Equipment (2%), and Earth Moving & Road Equipment (1%).

- All Waste Handling Equipment assets, as well as the majority of the Emergency & Safety Equipment assets (97%) are in Good condition.

# SOIR:   Equipment

## Highlights

### Stage of Life

- The estimated average useful life of the asset categories ranges from 8 to 15 years and the average age ranges from 3 to 9 years. Overall, 91% of the assets are in the Early and Mid Life and 9% are in the Late Life.

- Assets in Late Life are within seven (7) categories. Categories of Material Handling Equipment, Grounds Maintenance Equipment, Earth Moving & Road Equipment, and Vehicular Service Equipment have larger proportions of assets in Late Life ranging from 56 to 67%. Categories of Facility Operational Equipment, Program Equipment, and Emergency & Safety Equipment have 4 to 27% of the assets in Late Life.

### Strategies

- Developing an asset inspection program to better assess the performance of the asset.

- Asset renewal programs are in place that review utilization and potential electrification.

### Reference

| Group | Examples |
|---|---|
| Earth Moving & Road Equipment | excavator, backhoe, loader, tractor |
| Emergency & Safety Equipment | bunker gear, Self Contained Breathing Apparatus |
| Facility Operational Equipment | ice resurfacer, floor scrubbers |
| Grounds Maintenance Equipment | mower, sweeper, dump, groomer |
| Material Handling Equipment | forklift, gantry |
| Program Equipment | audio/visual equipment, fitness equipment, pay and display machines |
| Vehicular Service Equipment | cranes, welder, hoist |
| Waste Handling Equipment | in-ground waste receptacle |

**SOIR Classification:**      Equipment

**Reporting Classifiation**      (All)

## Total Current Value ($)

**53 MILLION**

## Number of Records    **1,493**

## Quantity of Assets by Unit of Measure
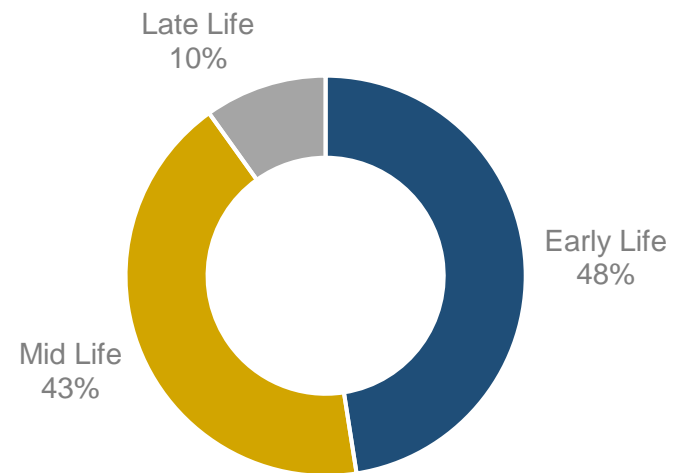
**9,375**

EACH

## Average Expected Life

**12 Yrs**

**5 YRS** — Average Age — Average Remaining Life — **7 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Fair 42%

Good 57%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 10%

Early Life 48%

Mid Life 43%

# SOIR Classification: Equipment

## Current Replacement Value Summary by Reporting Classification

■ CRV (Category)
■ CRV (All Categories): $52,751,553

| Classification | CRV (Category) |
|---|---|
| Program Equipment | $21,285,252 |
| Facility Operational Equipment | $10,002,912 |
| Earth Moving & Road Equipment | $8,681,731 |
| Grounds Maintenance Equipment | $5,791,591 |
| Emergency & Safety Equipment | $2,277,952 |
| Material Handling Equipment | $1,970,442 |
| Vehicular Service Equipment | $1,928,090 |
| Waste Handling Equipment | $813,583 |
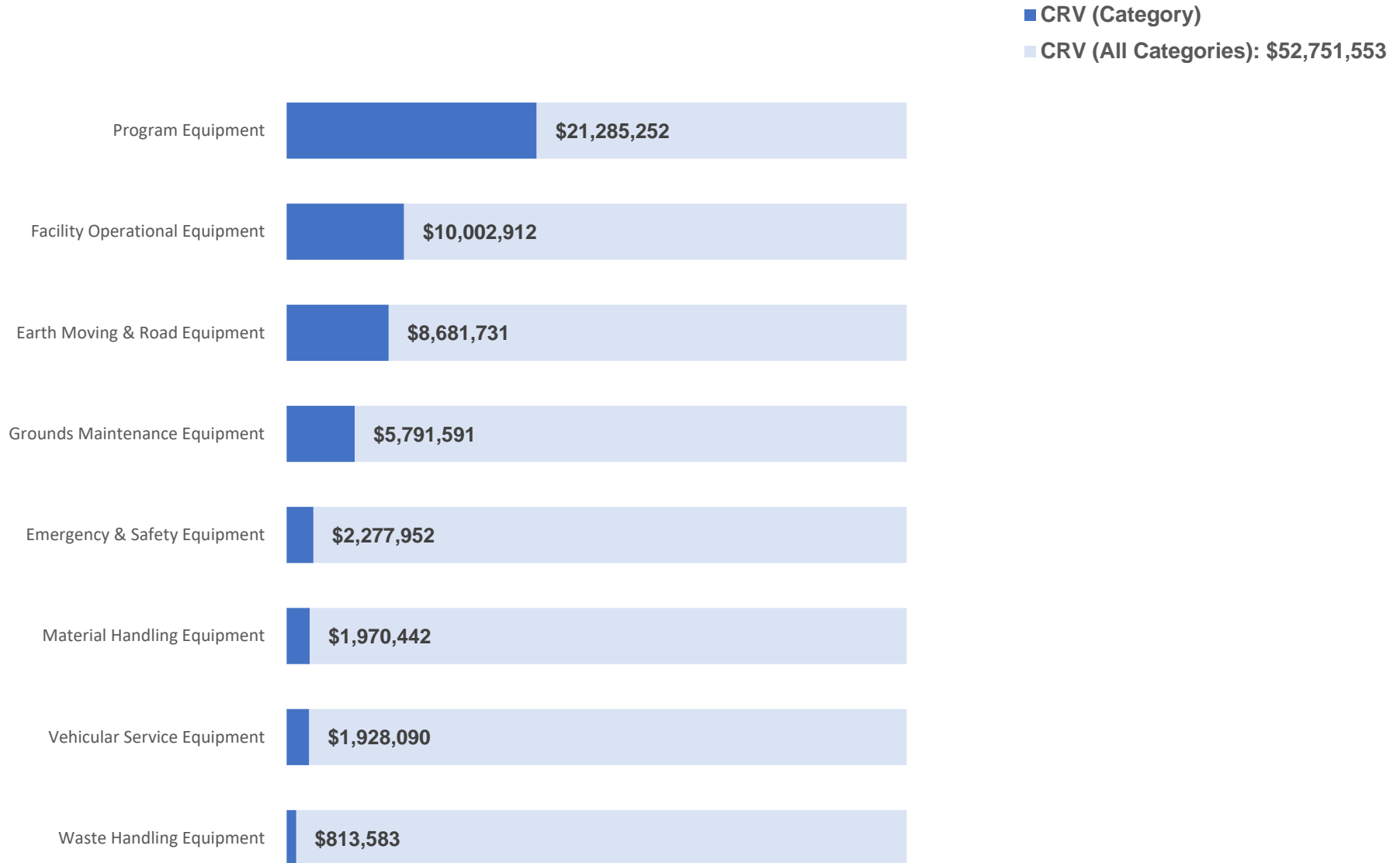
# SOIR Classification: Equipment

## Quantity Summary by Reporting Classification

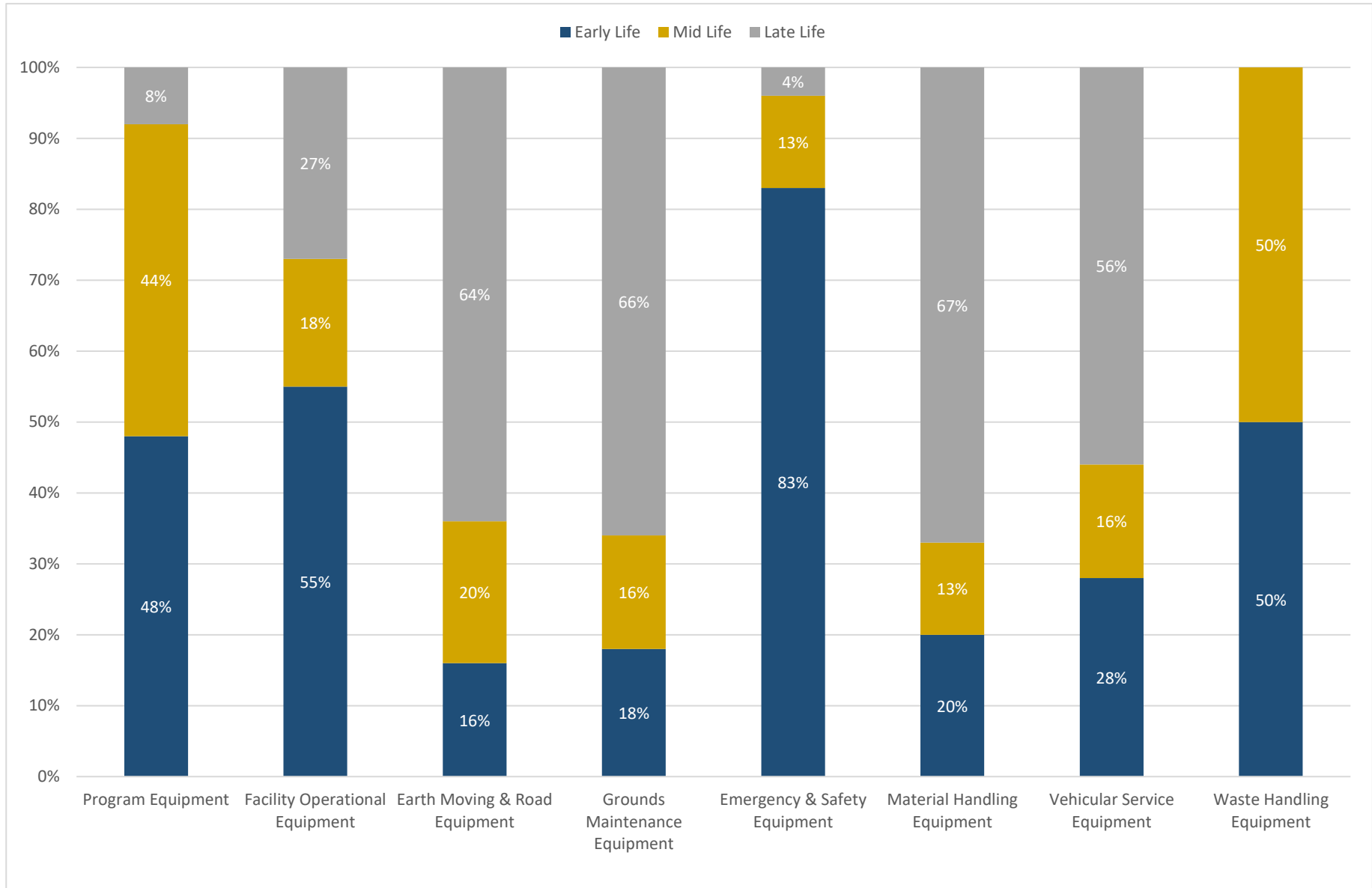| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Program Equipment | EACH | 8,588 | 4 | 12 | $21,285,252 |
| Facility Operational Equipment | EACH | 278 | 7 | 11 | $10,002,912 |
| Earth Moving & Road Equipment | EACH | 75 | 8 | 11 | $8,681,731 |
| Grounds Maintenance Equipment | EACH | 154 | 8 | 8 | $5,791,591 |
| Emergency & Safety Equipment | EACH | 120 | 3 | 14 | $2,277,952 |
| Material Handling Equipment | EACH | 15 | 9 | 11 | $1,970,442 |
| Vehicular Service Equipment | EACH | 32 | 9 | 15 | $1,928,090 |
| Waste Handling Equipment | EACH | 113 | 5 | 15 | $813,583 |
| **Grand Total** | | **9,375** | **5** | **12** | **$52,751,553** |

# SOIR Classification: Equipment

## Condition Summary by Reporting Classification
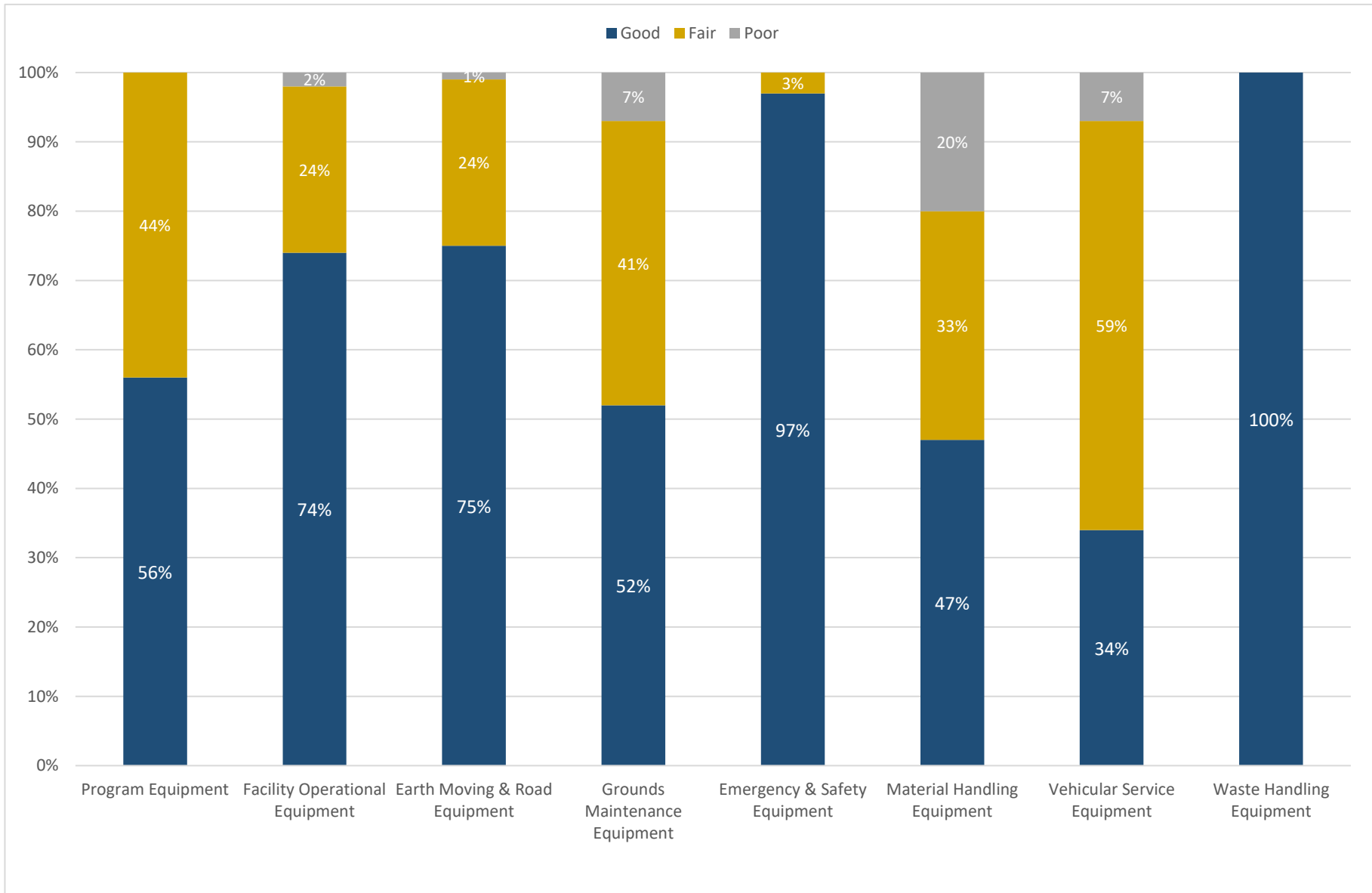
# SOIR Classification: Equipment

## Stage of Life Summary by Reporting Classification

**SOIR Classification:** Equipment

**Reporting Classifiation** Program Equipment

## Total Current Value ($)

**21 MILLION**

## Number of Records 817

## Quantity of Assets by Unit of Measure

**8,588**
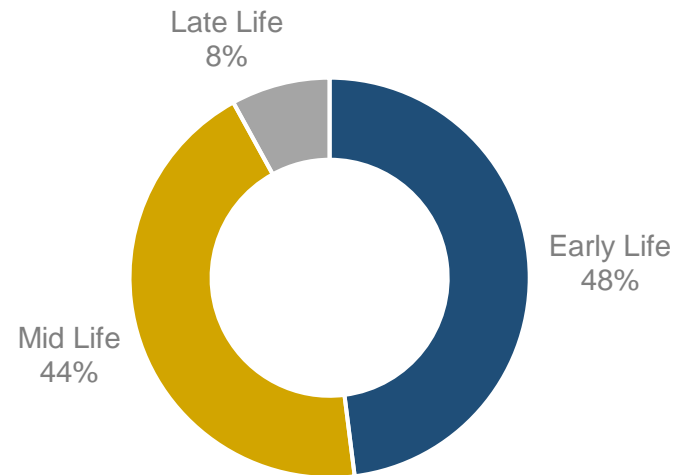
EACH

## Average Expected Life

12 Yrs

4
YRS

Average
Age

Average
Remaining
Life

8
YRS

## Data Confidence Scale

| Low | Medium | High |

## PROPORTION OF ASSETS BY CONDITION

Fair
44%

Good
56%

## PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life
8%

Early Life
48%

Mid Life
44%

**SOIR Classification:** Equipment

**Reporting Classifiation** Facility Operational Equipment

## Total Current Value ($)

**10 MILLION**

## Number of Records    **167**
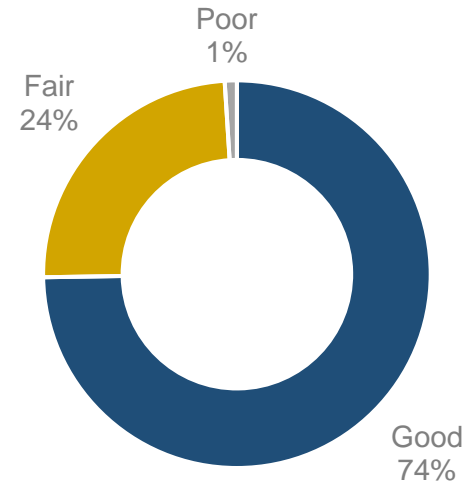
## Quantity of Assets by Unit of Measure

**278**

EACH

## Average Expected Life

**11 Yrs**

**7 YRS**

Average Age | Average Remaining Life

**4 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Poor 1%
Fair 24%
Good 74%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life 27%
Early Life 55%
Mid Life 18%
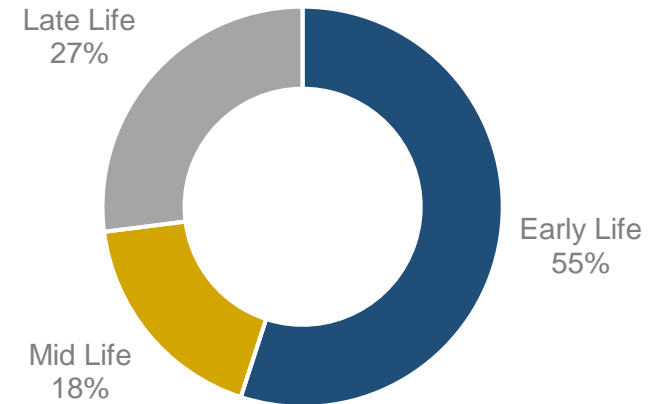
**SOIR Classification:**  Equipment

**Reporting Classifiation**  Earth Moving & Road Equipment

## Total Current Value ($)

**9 MILLION**

## Number of Records     75

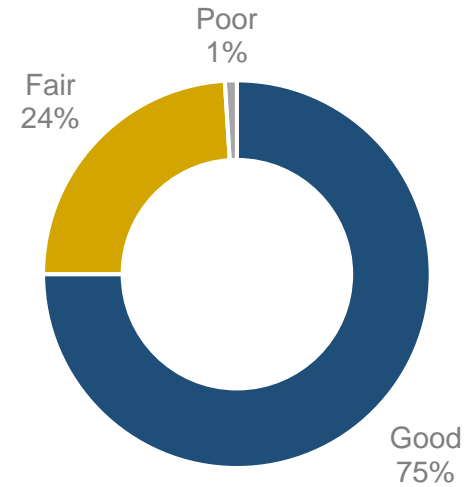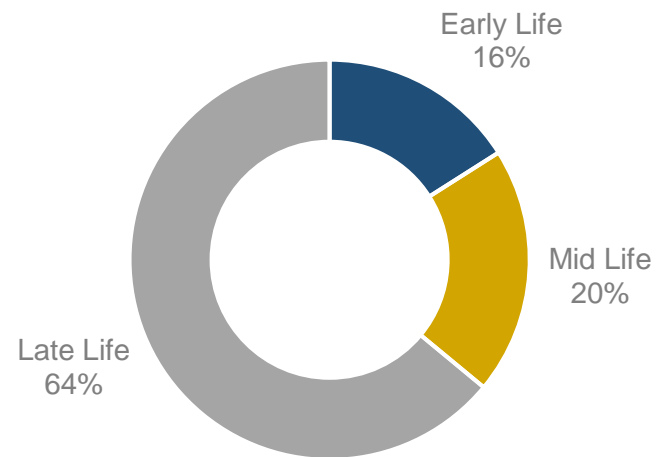## Quantity of Assets by Unit of Measure

**75**

EACH

## Average Expected Life

**11 Yrs**

**8 YRS**   Average Age   Average Remaining Life   **3 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Poor 1%
Fair 24%
Good 75%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 16%
Mid Life 20%
Late Life 64%

**SOIR Classification:**     **Equipment**

**Reporting Classifiation**     **Grounds Maintenance Equipment**

**Total Current Value ($)**

**6 MILLION**

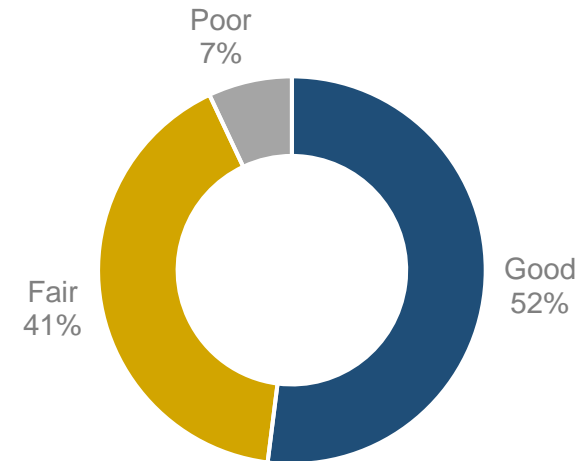**Number of Records**     **154**

**Quantity of Assets by Unit of Measure**
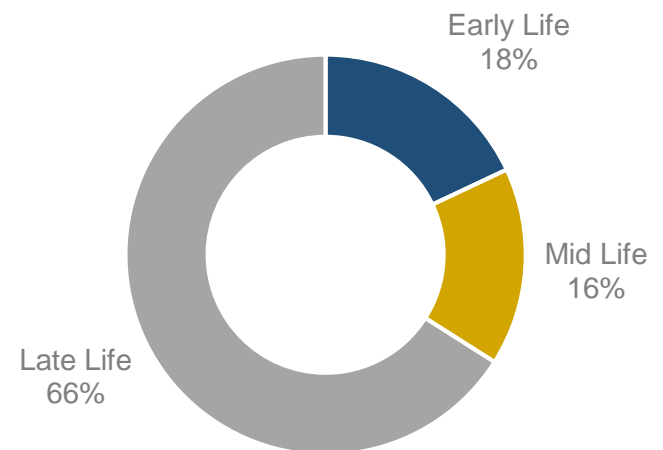
**154**

EACH

**Average Expected Life**

8 Yrs

| 8 YRS | Average Age | Average Remaining Life | 0 YRS |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**



Poor 7%
Good 52%
Fair 41%

**PROPORTION OF ASSETS BY STAGE OF LIFE**



Early Life 18%
Mid Life 16%
Late Life 66%

**SOIR Classification:**  Equipment

**Reporting Classifiation**  Emergency & Safety Equipment

## Total Current Value ($)

**2 MILLION**

## Number of Records   **120**
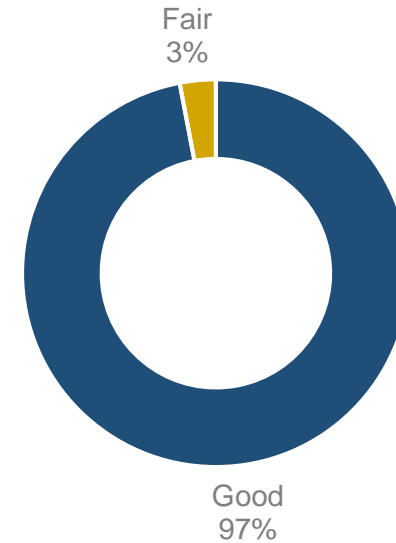
## Quantity of Assets by Unit of Measure
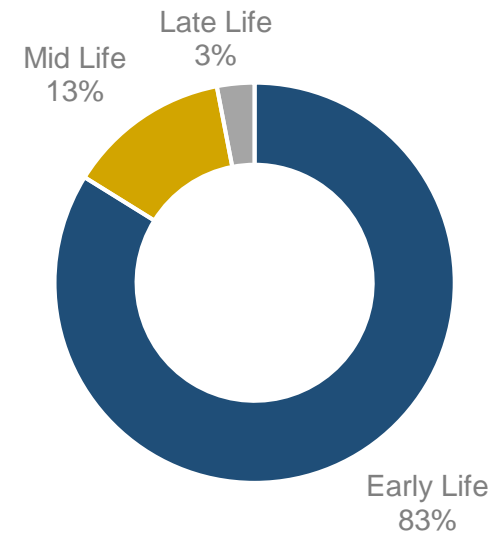
**120**

EACH

## Average Expected Life

**14 Yrs**

**3 YRS** | Average Age | Average Remaining Life | **11 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Fair 3%

Good 97%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Mid Life 13%

Late Life 3%

Early Life 83%

**SOIR Classification:**      **Equipment**

**Reporting Classifiation**      **Material Handling Equipment**

## Total Current Value ($)

**2 MILLION**

## Number of Records     **15**

## Quantity of Assets by Unit of Measure

**15**

EACH

## Average Expected Life
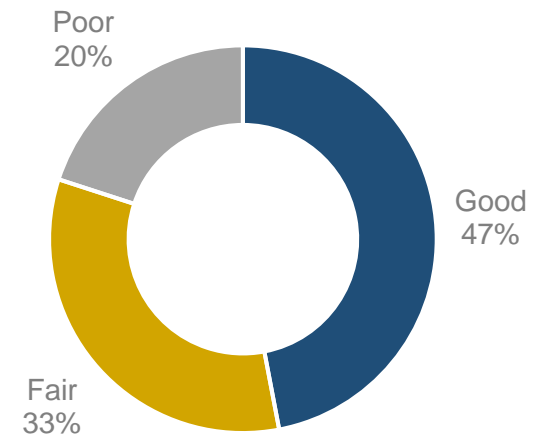
**11 Yrs**

**9 YRS** | Average Age | Average Remaining Life | **2 YRS**

## Data Confidence Scale

| Low | Medium | High |

### PROPORTION OF ASSETS BY CONDITION

Poor 20%
Good 47%
Fair 33%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 20%
Mid Life 13%
Late Life 67%
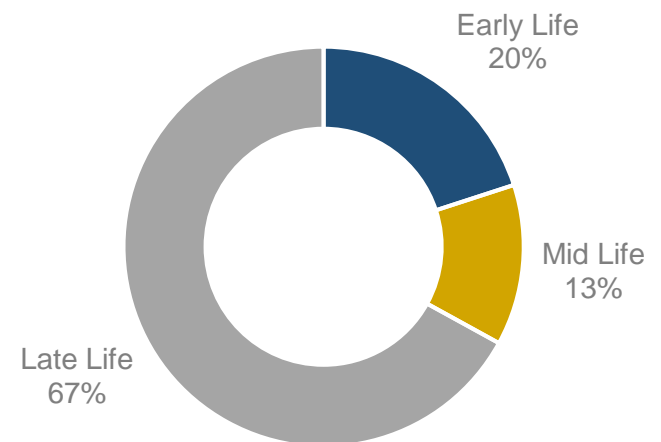
**SOIR Classification:**     **Equipment**

**Reporting Classifiation**     **Vehicular Service Equipment**

**Total Current Value ($)**

**2 MILLION**

**Number of Records**     **32**

**Quantity of Assets by Unit of Measure**

**32**

EACH

**Average Expected Life**
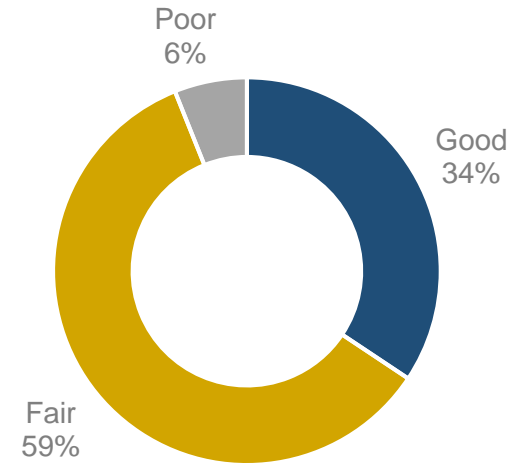
**15 Yrs**

**9 YRS**

| Average Age | Average Remaining Life |

**6 YRS**

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**



Poor 6%

Good 34%

Fair 59%

**PROPORTION OF ASSETS BY STAGE OF LIFE**



Early Life 28%

Late Life 56%

Mid Life 16%
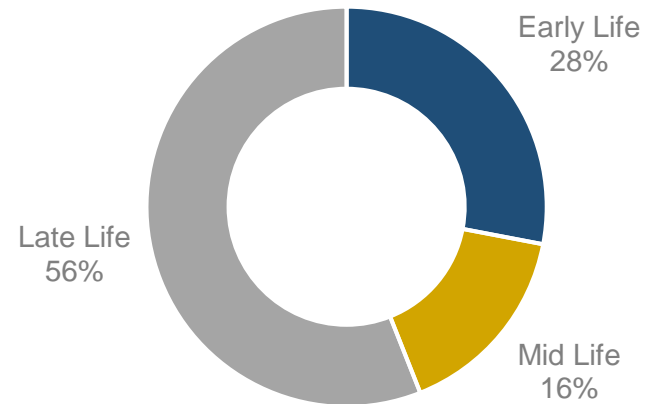
**SOIR Classification:** Equipment

**Reporting Classifiation** Waste Handling Equipment

**Total Current Value ($)**

814 THOUSAND

**Number of Records** 113

**Quantity of Assets by Unit of Measure**

113

EACH

**Average Expected Life**

15 Yrs

5 YRS

Average Age

Average Remaining Life

10 YRS

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Good 100%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Mid Life 50%

Early Life 50%

# TOWN OF OAKVILLE
# STATE OF INFRASTRUCTURE REPORT

# COMMUNICATION &
# TECHNOLOGY
# CLASSIFICATION

June 30th, 2023

# SOIR: Communication & Technology

## Highlights

### Current Replacement Value (CRV)

- The Communication & Technology Service consists of three (3) asset categories which are Hardware, Software, and Security/Communications.

- The estimated current replacement value (CRV) of the Communication & Technology assets is approximately $41 Million.

- Hardware & Software accounts for the majority of the total CRV of the Communication & Technology assets, each at approximately 40%.

### Condition

- The asset conditions have been calculated based on the age and expected remaining useful life of the asset.

- In general, the Communication & Technology assets are in Good or Fair condition. On average, 63% are in Good condition and 37% are in Fair condition.

### Stage of Life

- The estimated average useful life of the asset categories ranges from 5 to 20 years and the average age ranges from 6 to 10 years. Overall, 61% of the assets are in the Early and Mid Life and 39% are in the Late Life.

- Hardware and Software each has approximately 70% of the assets in the Late Life and Security & Communication Equipment has 12% of the assets in the Late Life.

### Strategies

- To ensure asset information is collected and reported on that support the information systems asset management plan.

**SOIR Classification:** **Communication & Technology**

**Reporting Classifiation** **(All)**

**Total Current Value ($)**

**41 MILLION**

**Number of Records** **245**

**Quantity of Assets by Unit of Measure**

| **102** | **169** | **39** | **6,919** |
|---------|---------|--------|-----------|
| EACH | POOL | MIXED | SQ. M. |

**Average Expected Life**

**16 Yrs**

| **8 YRS** | Average Age | Average Remaining Life | **8 YRS** |

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Fair 37%

Good 63%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Late Life 39%

Early Life 42%

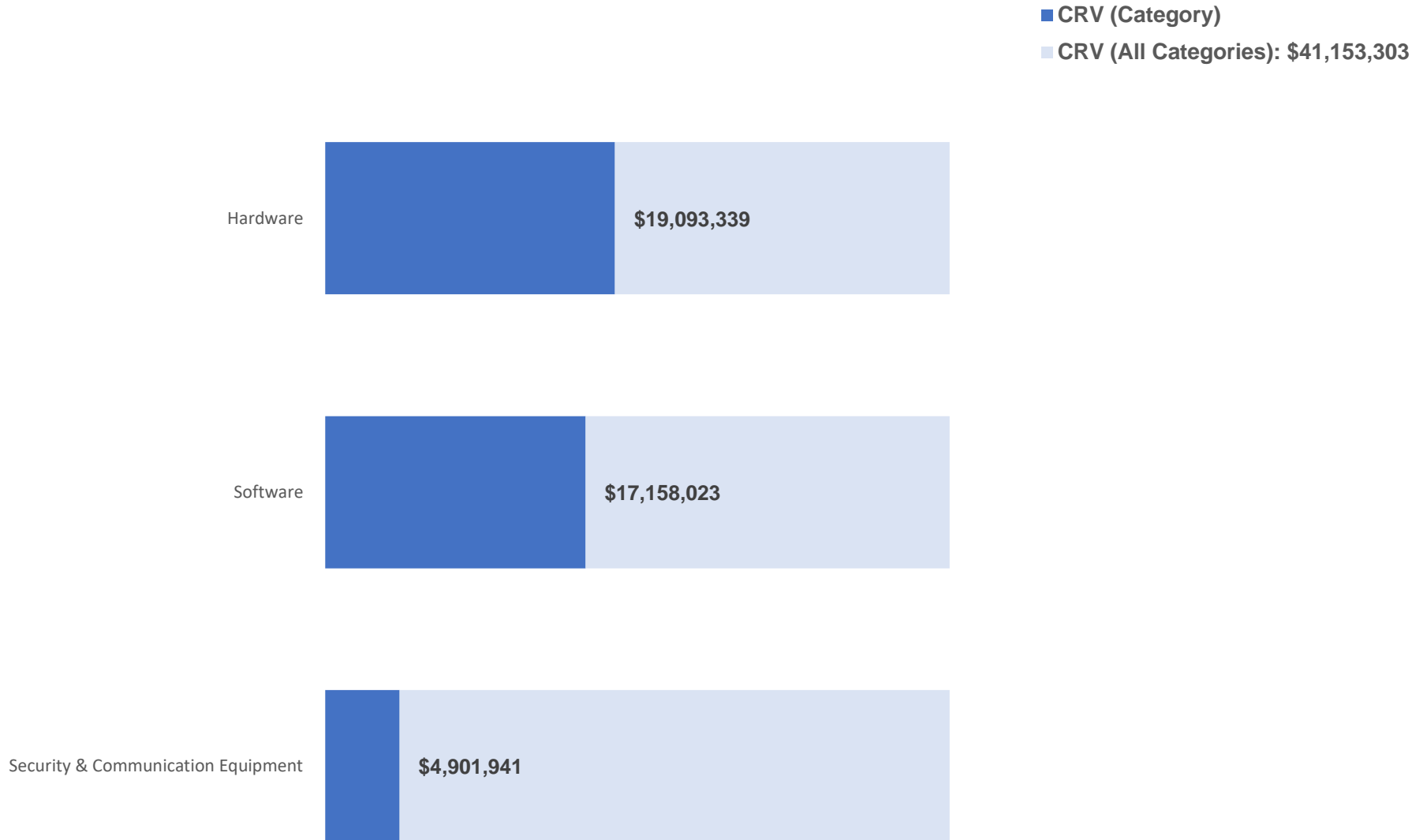Mid Life 19%
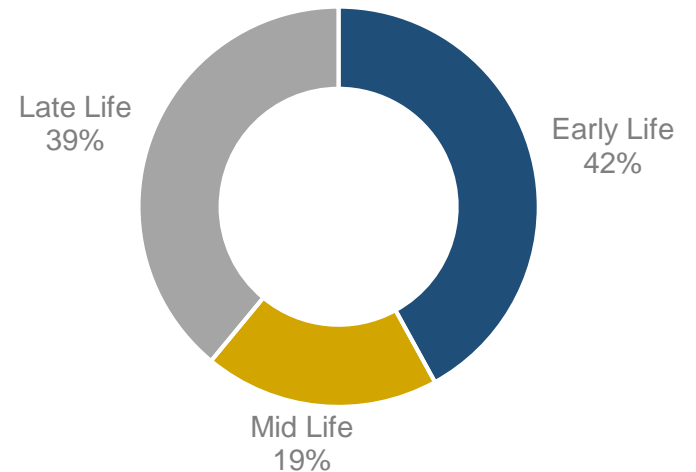
# SOIR Classification: Communication & Technology

Current Replacement Value Summary by Reporting Classification

■ CRV (Category)

■ CRV (All Categories): $41,153,303

**Hardware**    $19,093,339

**Software**    $17,158,023
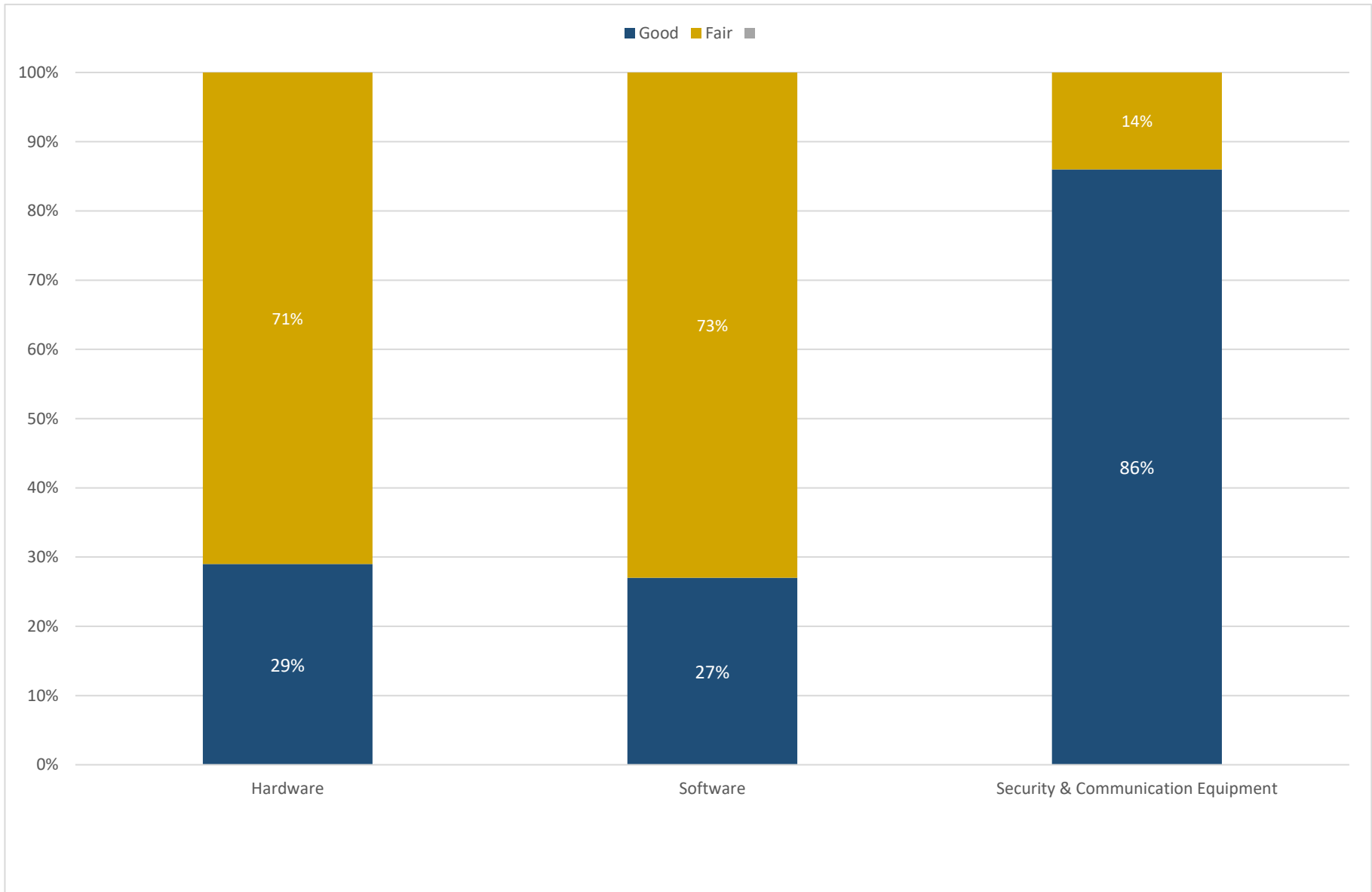
**Security & Communication Equipment**    $4,901,941

# SOIR Classification: Communication & Technology

## Quantity Summary by Reporting Classification

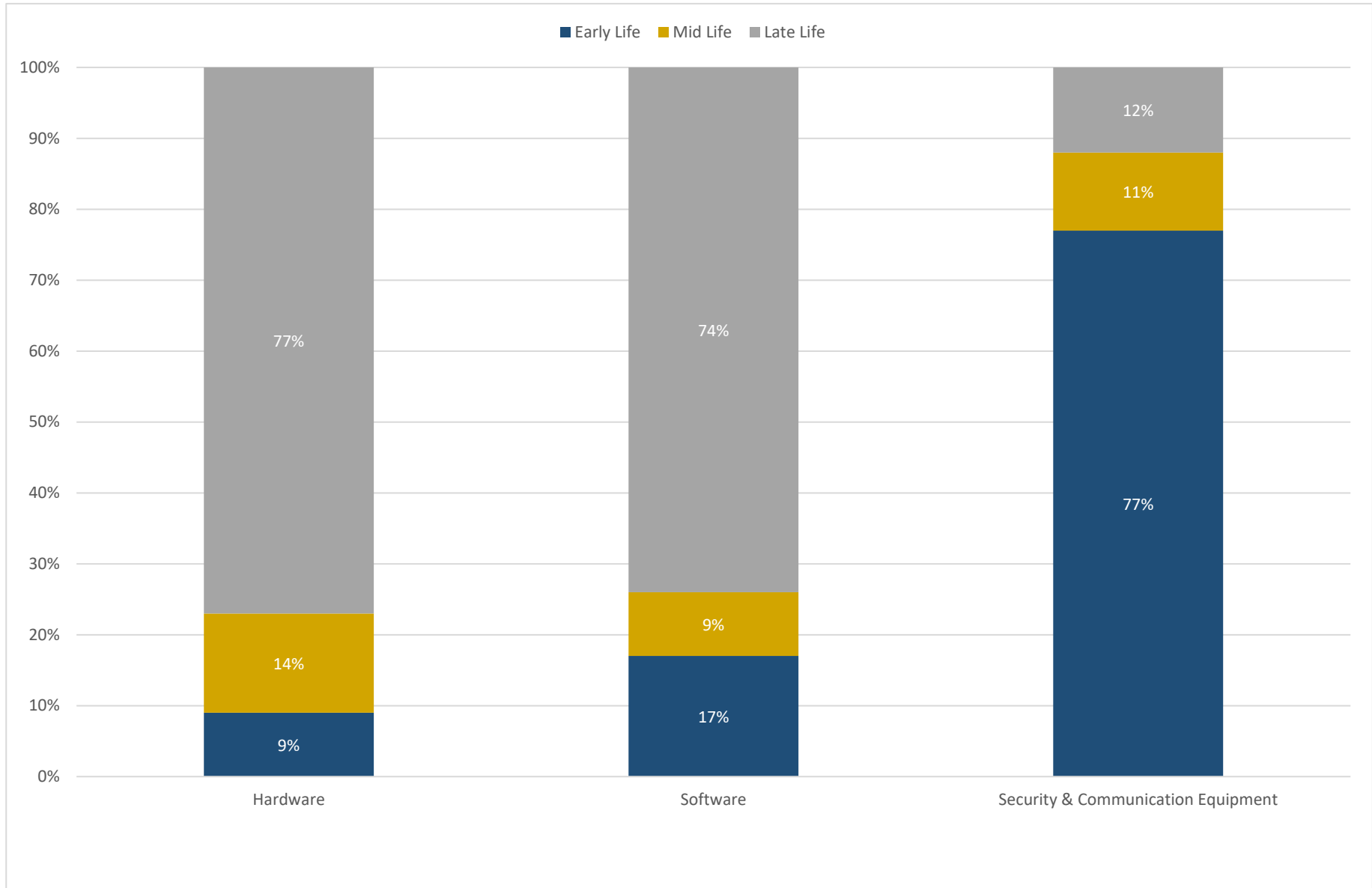| Reporting Classification | UofM | Quantity | Average Age | Average Useful Life | Current Replacement Value |
|---|---|---|---|---|---|
| Hardware | POOL | 169 | 7 | 7 | $18,515,597 |
| | EACH | 12 | 12 | 10 | $513,218 |
| | MIXED | 1 | 11 | 10 | $64,524 |
| Software | EACH | 88 | 8 | 5 | $17,158,023 |
| Security & Communication Equipment | MIXED | 38 | 10 | 20 | $4,761,668 |
| | EACH | 2 | 1 | 10 | $112,609 |
| | SQ. M. | 6,919 | 8 | 30 | $27,664 |
| Grand Total | | | | | $41,153,303 |

# SOIR Classification: Communication & Technology
## Condition Summary by Reporting Classification

# SOIR Classification: Communication & Technology

## Stage of Life Summary by Reporting Classification

**SOIR Classification:**     **Communication & Technology**

**Reporting Classifiation**     **Hardware**

## Total Current Value ($)

### 19 MILLION

## Number of Records     **123**

## Quantity of Assets by Unit of Measure

| 12 | 169 | 1 |
|----|-----|---|
| EACH | POOL | MIXED |

## Average Expected Life
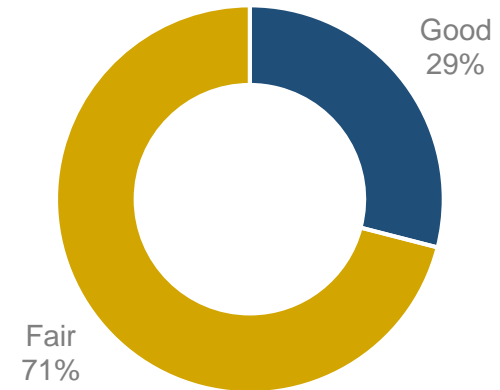
**9 Yrs**

| 10 YRS | Average Age | Average Remaining Life | 0 YRS |
|--------|-------------|------------------------|-------|

## Data Confidence Scale

| Low | Medium | High |
|-----|--------|------|

### PROPORTION OF ASSETS BY CONDITION

Good 29%

Fair 71%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Early Life 9%

Mid Life 14%

Late Life 77%
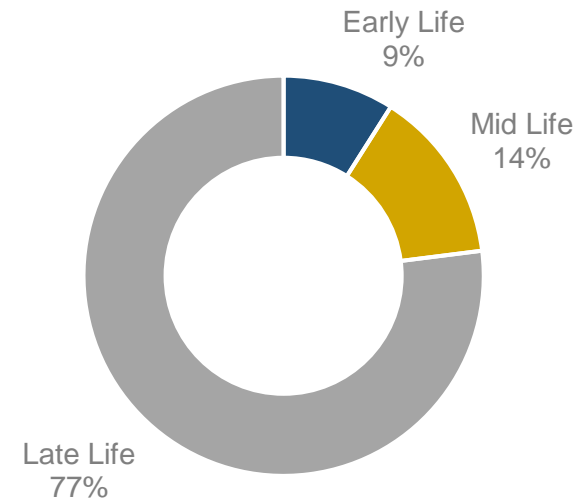
**SOIR Classification:**  **Communication & Technology**

**Reporting Classifiation**  **Software**

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**Total Current Value ($)**

**17 MILLION**

**Number of Records**  **81**

**Quantity of Assets by Unit of Measure**

**88**

EACH

**Average Expected Life**
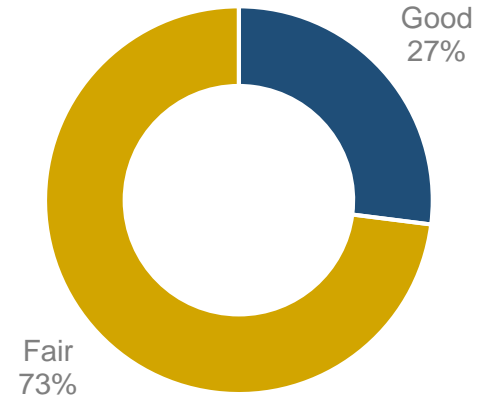
**5 Yrs**

**8
YRS**  Average Age  Average Remaining Life  **0
YRS**

**Data Confidence Scale**

| Low | Medium | High |

**PROPORTION OF ASSETS BY CONDITION**

Good
27%

Fair
73%

**PROPORTION OF ASSETS BY STAGE OF LIFE**

Early Life
17%

Mid Life
9%

Late Life
74%
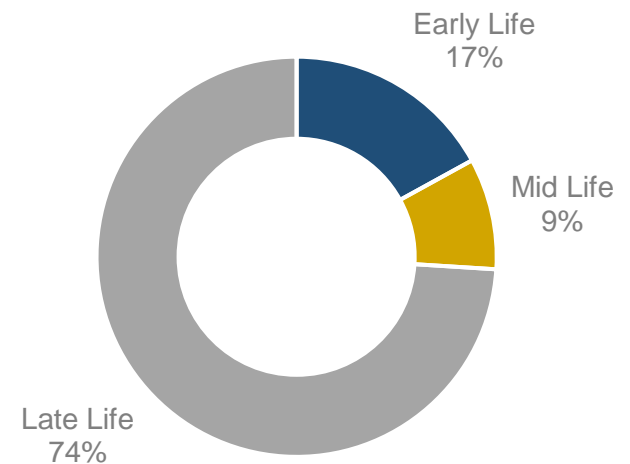
**SOIR Classification:**     **Communication & Technology**

**Reporting Classifiation**     **Security & Communication Equipment**

## Total Current Value ($)

### 5 MILLION

## Number of Records     41

## Quantity of Assets by Unit of Measure

| **2** | **38** | **6,919** |
|---|---|---|
| EACH | MIXED | SQ. M. |

## Average Expected Life

20 Yrs

| 6 YRS | **Average Age** | **Average Remaining Life** | 14 YRS |
|---|---|---|---|

## Data Confidence Scale

| **Low** | **Medium** | **High** |
|---|---|---|

### PROPORTION OF ASSETS BY CONDITION

Fair
14%

Good
86%

### PROPORTION OF ASSETS BY STAGE OF LIFE

Late Life
11%

Mid Life
11%

Early Life
77%