WORK MEETING AGENDA OF THE
CITY COUNCIL OF LAYTON, UTAH

PUBLIC NOTICE is hereby given that the City Council of Layton, Utah, will hold a public meeting in the Council Conference Room of the City Center Building, 437 North Wasatch Drive, Layton, Utah, commencing at **5:30 PM on May 19, 2022.**

AGENDA ITEMS:

1. Councilmember Report

2. Interlocal Agreement for the Billing and Collection of Fees for Advanced Life Support Services – Resolution 22-33

3. 2022 Fireworks Restrictions – Resolution 22-34

4. Presentation – Local Technical Assistance Program (LTAP)

5. Closed Meeting to Discuss Purchase, Exchange, or Lease of Real Property, Including any Form of a Water Right or Water Shares

6. Discussion – Budget Items

7. Mayor's Report

ADJOURN:

Notice is hereby given that:

- This meeting will also be live streamed via laytoncitylive.com and facebook.com/Laytoncity
- In the event of an absence of a full quorum, agenda items will be continued to the next regularly scheduled meeting.
- This meeting may involve the use of electronic communications for some of the members of this public body. The anchor location for the meeting shall be the Layton City Council Conference Room, 437 North Wasatch Drive, Layton City. Elected Officials at remote locations may be connected to the meeting electronically.
- By motion of the Layton City Council, pursuant to Title 52, Chapter 4 of the Utah Code, the City Council may vote to hold a closed meeting for any of the purposes identified in that chapter.

Date: _____ **By:** _____

Kimberly S Read, City Recorder

LAYTON CITY does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in the employment or the provision of services. If you are planning to attend this public meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify Layton City eight or more hours in advance of the meeting. Please contact Jamie Senninger at 437 North Wasatch Drive, Layton, Utah 84041, 801.336.3826 or 801.336.3820.

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 1.

Subject:
Councilmember Report

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 2.

Subject:
Interlocal Agreement for the Billing and Collection of Fees for Advanced Life Support Services – Resolution 22-33

Background:
Due to the transition of advanced Life support (paramedic) services from the Davis County Sheriff's Office to the cities and fire districts in Davis County, an agreement is required under Rule 426-8-200, Utah Administrative Code. This allows for the reimbursement of paramedic on-board fees to an entity that provides such service when the licensed ground ambulance provider charges the advanced life support (paramedic) transportation fees. The Bureau of Emergency Medical Services establishes the maximum rates based on fiscal analysis.

Alternatives:
Alternatives are to 1) Adopt Resolution 22-33 approving the Interlocal Agreement for the Billing and Collection of Fees for Advanced Life Support Services; 2) Adopt Resolution 22-33 with any amendments the Council deems appropriate; or 3) Not adopt Resolution 22-33 and remand to Staff with directions.

Recommendation:
Staff recommends the Council adopt Resolution 22-33 approving an Interlocal Agreement for the Billing and Collection of fees for Advanced Life Support Services, and authorize the Mayor to sign necessary documents.

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 3.

Subject:
2022 Fireworks Restrictions – Resolution 22-34

Background:
Layton City Code 9.64.150 allows the Fire Chief, during adverse fire conditions, to prohibit the use of fireworks in other parts of the City. These restrictions are allowed with the passage of State Fire Code Act 15A-5-202.5(1)(b). The 2022 Fireworks Restrictions have been expanded to include additional areas of fire danger concern.

Alternatives:
Alternatives are to (1 Adopt Resolution 22-34 approving the 2022 Fireworks Restrictions; 2) Adopt Resolution 22-34 with any amendments the Council deems appropriate; or 3) Not adopt Resolution 22-33 and remand to Staff with directions.

Recommendation:
Staff recommends the Council adopt Resolution 22-34 approving the 2022 Fireworks Restrictions.

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 4.

Subject:
Presentation – Local Technical Assistance Program (LTAP)

Background:
Mr. Stephen Jackson, Layton City Engineer, will present the LTAP study findings regarding the City streets infrastructure to the Mayor, Council, and Staff.

Alternatives:
N/A

Recommendation:
N/A

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 5.

Subject:
Closed Meeting to Discuss Purchase, Exchange, or Lease of Real Property, Including any Form of a Water Right or Water Shares

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 6.

Subject:
Discussion – Budget Items

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

LAYTON CITY COUNCIL WORK MEETING
AGENDA ITEM COVER SHEET

Item Number: 7.

Subject:
Mayor's Report

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

ADDITIONAL

PACKET

ATTACHMENTS

Fireworks Restrictions

Parks: Approved for Fireworks

Firework Restrictions

Restrictions

Aerial Restrictions

All Fireworks Restricted

Sandridge Park

Andy Adams Park

Sun Hills Golf Course

Oak Forest

Valley View Golf Course

Lindquist Cemetery

Hobbs Reservoir

Adams Reservoir

Holmes Reservoir

Hobbs Canyon

Snow Creek

Adams Canyon

Webb Can

Bernard Fisher Hwy

E Antelope Dr

E Sunset Dr

E Gentile St

Oak Hills Dr

Valley View Dr

Hobbs Creek Dr

Eastside Dr

N Fairfield Rd

N Church St

Church St

Wherry Ln

N Fort Ln

Love Ln

N Redtail Way

E Redtail Way

E Deere View Dr

E Cherry Ln

Kays Creek Dr

Country Oaks Dr

Oak Ln

Hidden Hollow Dr

Oak Forest Dr

Joni Dr

Child Dr

Hillsboro Dr

Emerald Dr

Heather Dr

Oakridge Dr

Ash Dr

Nayon St

Nalder St

Kimberly Dr

Rainbow Dr

Aspen Way

Roueche St

Sherwood Dr

Valeria Dr

Kirk Ave

Colonial Ave

Dixie St

N Adamswood Rd

N Bafco Rd

Snow Creek Dr

Lindsay St

Adams St

Rosewood Ln

Oak Hills Dr

Summerwood Dr

Oakwood Dr

Pinewood Ln

Ewe Turn

Devon St

E Mutton Hollow Rd

E Windsor Ln

E Maple Way

E Ridge Rd

E Gordon Ave

E Sunset Dr

North Fork Kays Creek

Middle Fork Kays Creek

North Fork Holmes Creek

Snow Creek

4919 ft

4858 ft

4887 ft

4802 ft

4970 ft

4937 ft

4964 ft

5651 ft

4899 ft

4613 ft

4539 ft

4484 ft

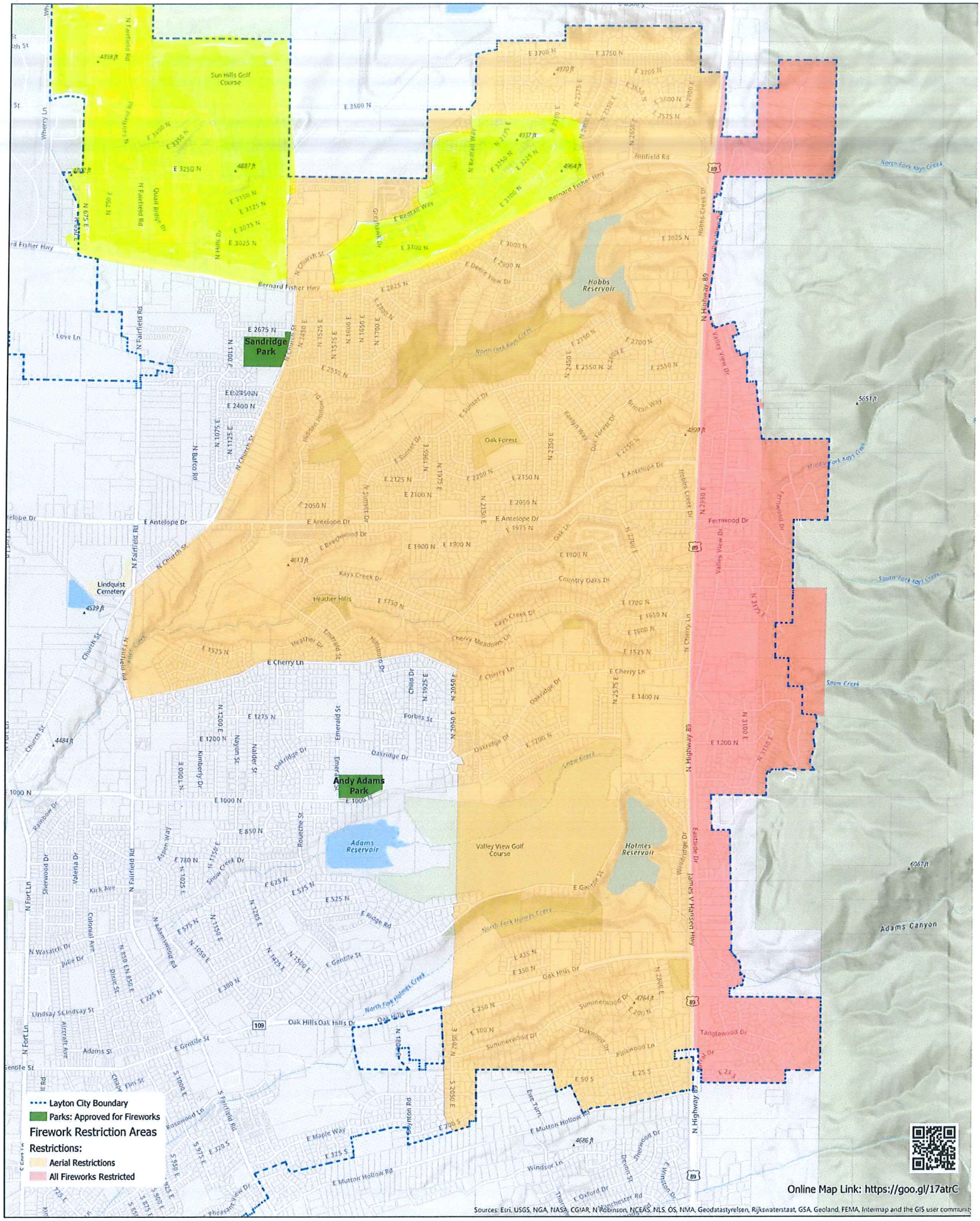
6067 ft

4686 ft

4366 ft

Layton City

N



Fire Work Restrictions

N

Pavement Preservation

City Council Work Meeting

May 19, 2022

Utah Local Technical Assistance Program (LTAP)

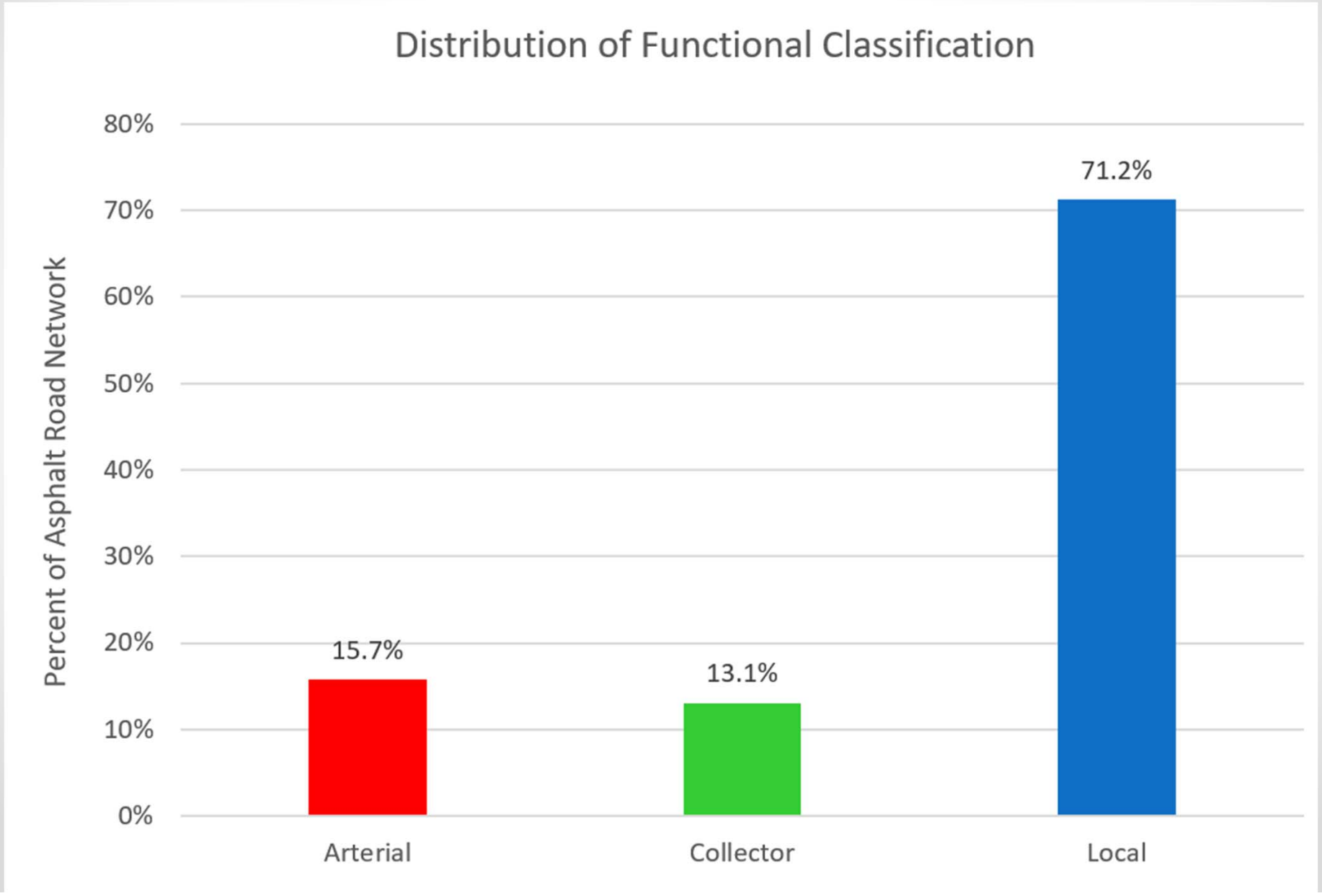
- The Utah LTAP Center is committed to serving local agencies, UDOT, FHWA, and the transportation industry through:
  - Technology transfer
  - Technical assistance
  - Training and workforce development
  - Information services
  - Assisting with all other transportation needs

- Utah State University
  - Department of Civil and Environmental Engineering
  - Traffic Asset Management Software (TAMS)

Pavement Management System

- A complete GIS-based physical inventory and condition survey of the street network
- A needs assessment process
- Analyses of root causes of pavement deterioration
- Analysis of current street maintenance programs
- Recommended maintenance and preservation treatments
- Treatment costs and budget proposals
- A method to evaluate alternate funding scenarios to maximize the average remaining service life (RSL) of the street network

Layton City Functional Classification



Remaining Service Life (RSL)

- Asphalt pavements – 20 year service life
  - Excellent: RSL 19-20
  - Very Good: RSL 13-18
  - Good: RSL 10-12
  - Fair: RSL 7-9
  - Poor: RSL 1-6
  - Failed: RSL 0

- Conventional practice usually provides for a preventative maintenance treatment and rehabilitative treatment to be applied to the asphalt pavement during its 20-year service life.

- Timing is critical in the placement of the preventative maintenance and the rehabilitative treatment to achieve the best level of service at the least amount of cost.

RSL = 16-20 (Very Good-Excellent)

725 North – No Distress



3700 West – No Distress



RSL = 11-15 (Good-Very Good)

2125 East – Governing Distress – Transverse Cracking



2050 North – Governing Distress – Edge Cracking



RSL = 7-10 (Fair-Good)

Oak Lane – Governing Distress – Transverse Cracking



Kays Creek – Governing Distress – Block Cracking



RSL = 0-6 (Failed-Poor)

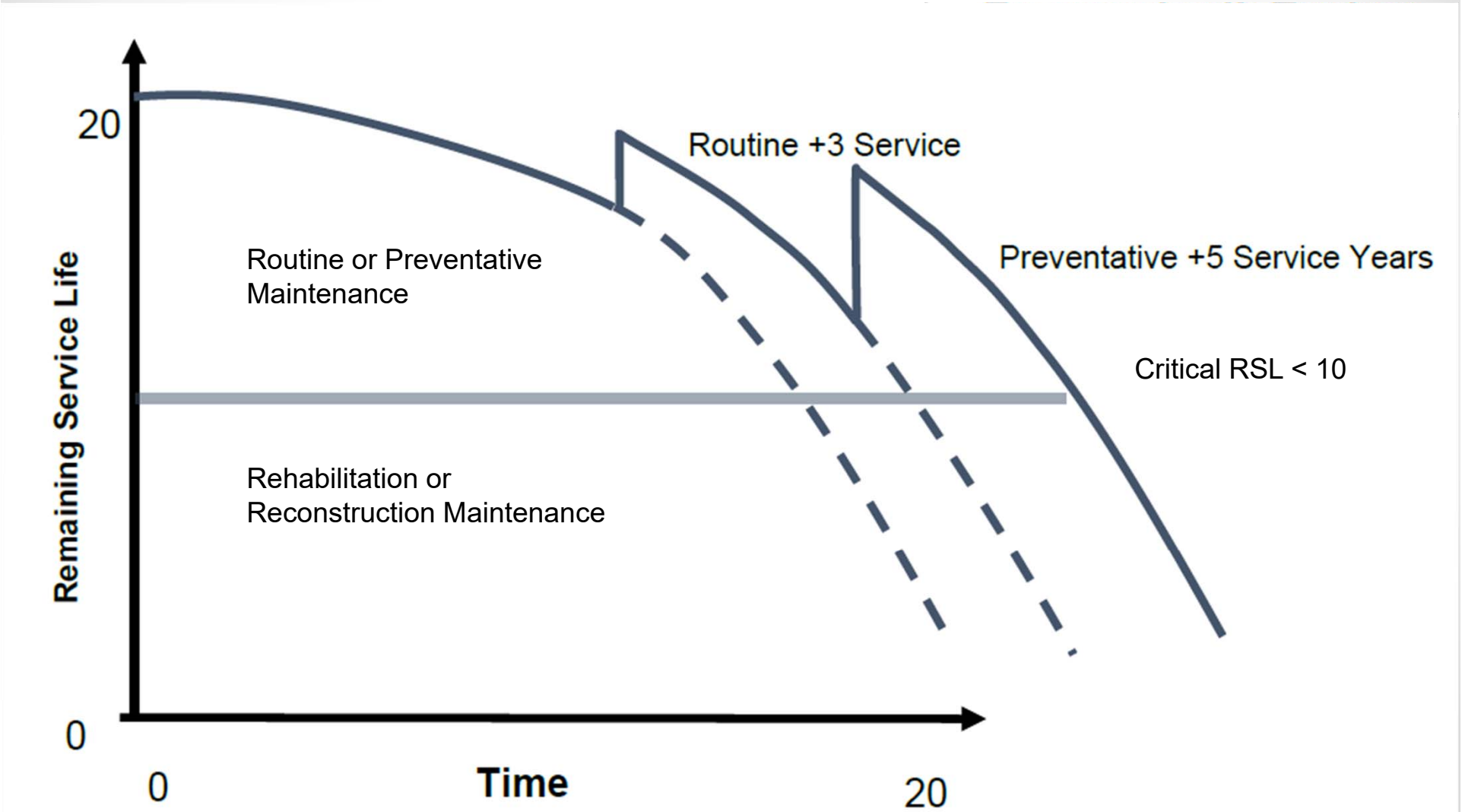
Hillfield Road – Governing Distress Fatigue Cracking



McCormick Way – Governing Distress – Alligator Cracking



Remaining Service Life (RSL)



Remaining Service Life (RSL)

- The RSL of a road is not affected by the appearance of the road. A road may be rough on the surface or have some small bumps and cracks, but this does not necessarily mean that the road is in poor condition. The RSL is based on the structural integrity of the road.

- A responsible maintenance program will be built around maintenance strategies that improve the service life of the roadway, not simply applying treatments to improve the appearance or smoothness of the road.

Remaining Service Life (RSL)

- Preventative Maintenance Treatments
  - Used to slow pavement deterioration
  - Does not add structural capacity
  - Slurry seal, microsurfacing, chip seal, high mineral asphalt emulsion
  - Cost 1/5 of rehabilitation or 1/10 of reconstruction

- Rehabilitation Treatments
  - Used to correct or remove root causes of distress
  - Adds structural capacity and service life to pavement
  - 2” mill and overlay
  - Cost 2 to 3 times less than reconstruction

- Reconstruction
  - Provides completely new pavement
  - Base and pavement replacement
  - Most expensive treatment

Remaining Service Life (RSL)

Table One

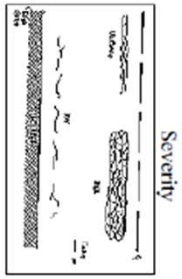
Maintenance Categories and Benefits

Maintenance Category	Range of RSL - Maintenance Applicable	Average Budget (per sf of pavement)	Additional RSL Gain	Benefit/Cost Ratio
Routine	16-20 RSL	$0.12	3	25
Preventative	11-15 RSL	$0.25	5	20
Rehabilitation	7-10 RSL	$2.00	8	4
Reconstruction	1-6 RSL	$6.00	20	3.33

Pavement Distress

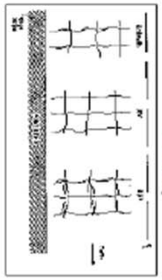
- Fatigue Cracking
  - Loss of base and subgrade support from moisture infiltration
- Longitudinal Cracking
  - Poor compaction at seams/ load related
- Transverse Cracking
  - Thermal changes – expansion and contraction
- Block Cracking
  - Intersection of longitudinal and transverse cracking
- Utility Cuts
  - Cuts in pavement for utility installation
- Edge Cracking
  - Lack of support at pavement edges (no curb and gutter)
- Rutting
  - Deformation of pavement from heavy axle loading

FATIGUE CRACKING



Severity	Extent: Low	Extent: Medium	Extent: High
0 None	1 Crack WP or 1' off C/G Length	1 Crack WP or 1-2 off C/G Length	>20% of Surface Area or Length
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4"to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

BLOCK CRACKING



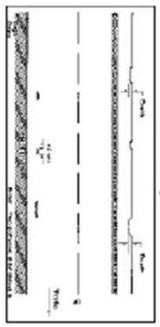
Severity	Extent: Low	Extent: Medium	Extent: High
0 None	>15'x15' Squares	15'-10' Squares	< 10'x10' Squares
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4"to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

LONGITUDINAL CRACKING



Severity	Extent: Low	Extent: Medium	Extent: High
0 None	1 Crack Full Length	2 Cracks Full Length	> 2 Cracks Full Length
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4"to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

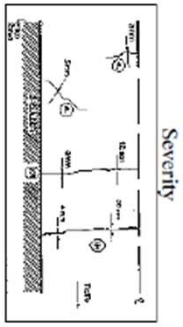
UTILITY CUTS



Severity	Extent: Low	Extent: Medium	Extent: High
0 None	0-10% of Length	10-20% of Length	>20% of Length
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4"to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

Note: to rate potholes use the same form with the following changes to the severity: **Low** is <1" deep, **Med** is 1"-2" deep and **High** is >2"

TRANSVERSE CRACKING

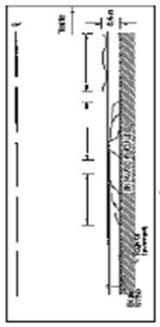


Severity	Extent: Low	Extent: Medium	Extent: High
0 None	> 100' between Cracks	100'-20' between Cracks	< 20' between Cracks
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4"to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

Rutting

Excellent	Low	Med	High
0	<1/2"	1/2"-3/4"	>3/4"

EDGE CRACKING



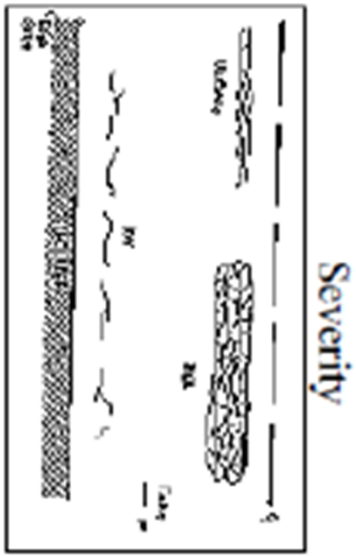
Severity	Extent: Low	Extent: Medium	Extent: High
0 None	0-10% of Length	10-20% of Length	> 20% of Length
Low 0-6" from Curb	1	2	3
Medium 6-18" from Curb	4	5	6
High 18" from Curb	7	8	9

Drainage

RATINGS	DRAINAGE RATING CRITERIA
Excellent	Newly constructed, cross-slope > 2%, drainage provisions provided
Good	Cross-slope > 2%, drainage provisions provided
Fair	Cross-slope < 2%, no drainage provisions provided
Poor	Flat or concave cross-slope, ponding surface water evident, no drainage provisions provided

Pavement Distress

FATIGUE CRACKING



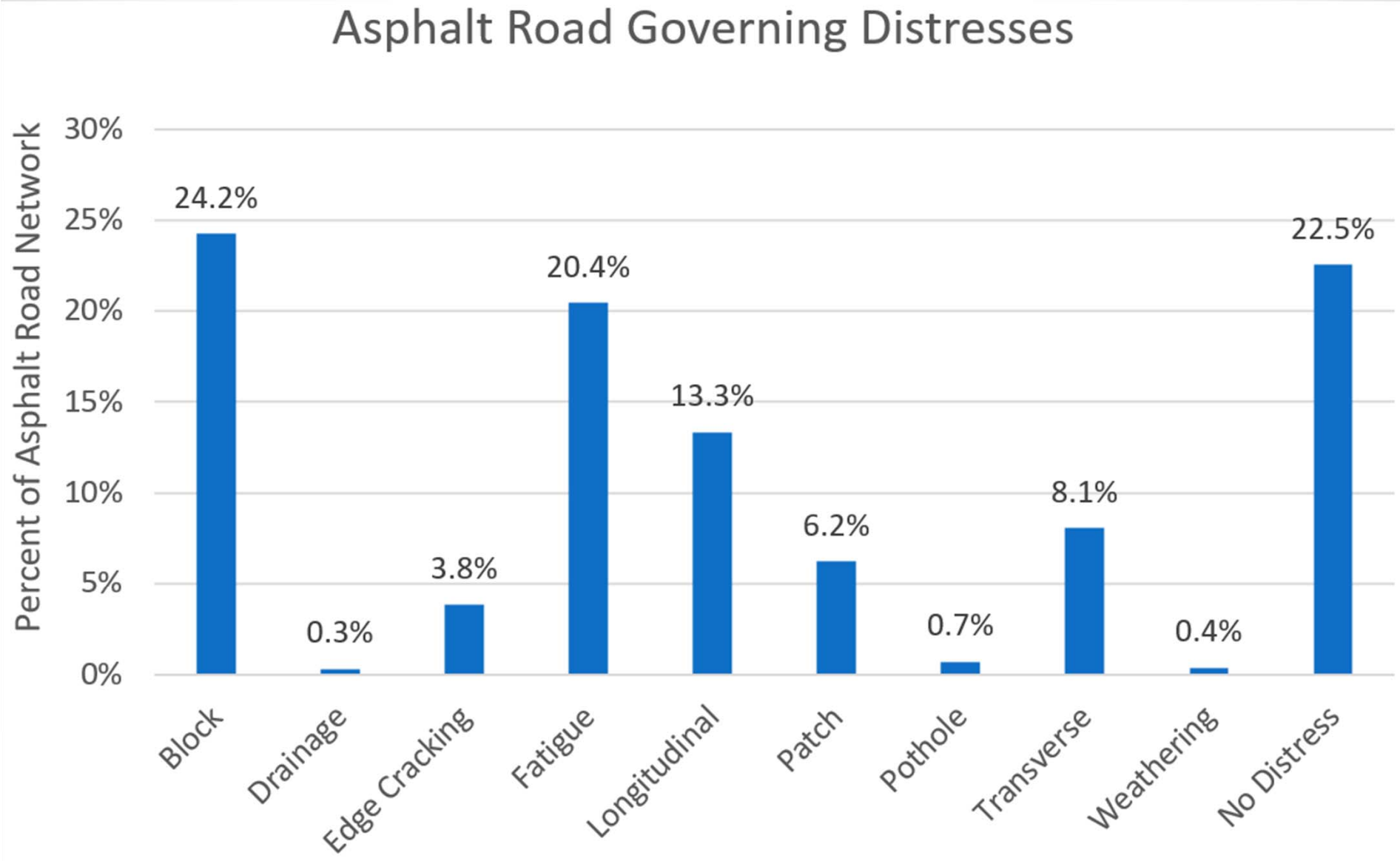
Extent

Severity	Low	Medium	High
0 None	1 Crack WP or 1' off C/bG Length	2 Crack WP or 1'-2' off C/bG Length	>10% of Surface Area or Length
Low Cracks < 1/4"	1	2	3
Medium Cracks 1/4" to 3/4"	4	5	6
High Cracks > 3/4"	7	8	9

Table 3. Fatigue Cracking Distress Table

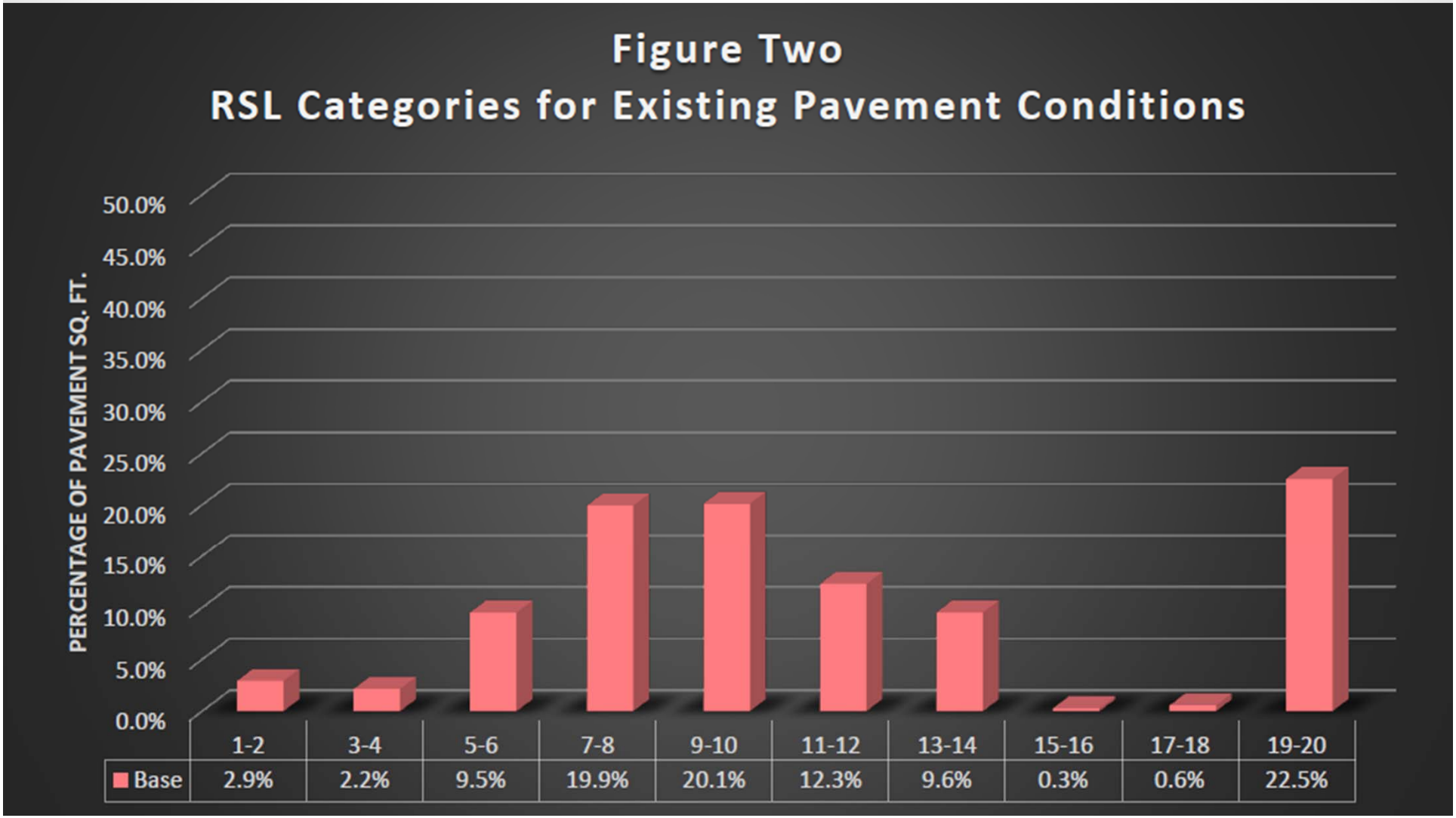
RATING	SEVERITY & EXTENT	RSL
0	No Alligator Cracking	20
1	Low, Low	10
2	Low, Medium	8
3	Low, High	6
4	Medium, Low	8
5	Medium, Medium	6
6	Medium, High	4
7	High, Low	6
8	High, Medium	2
9	High, High	0

Pavement Distress

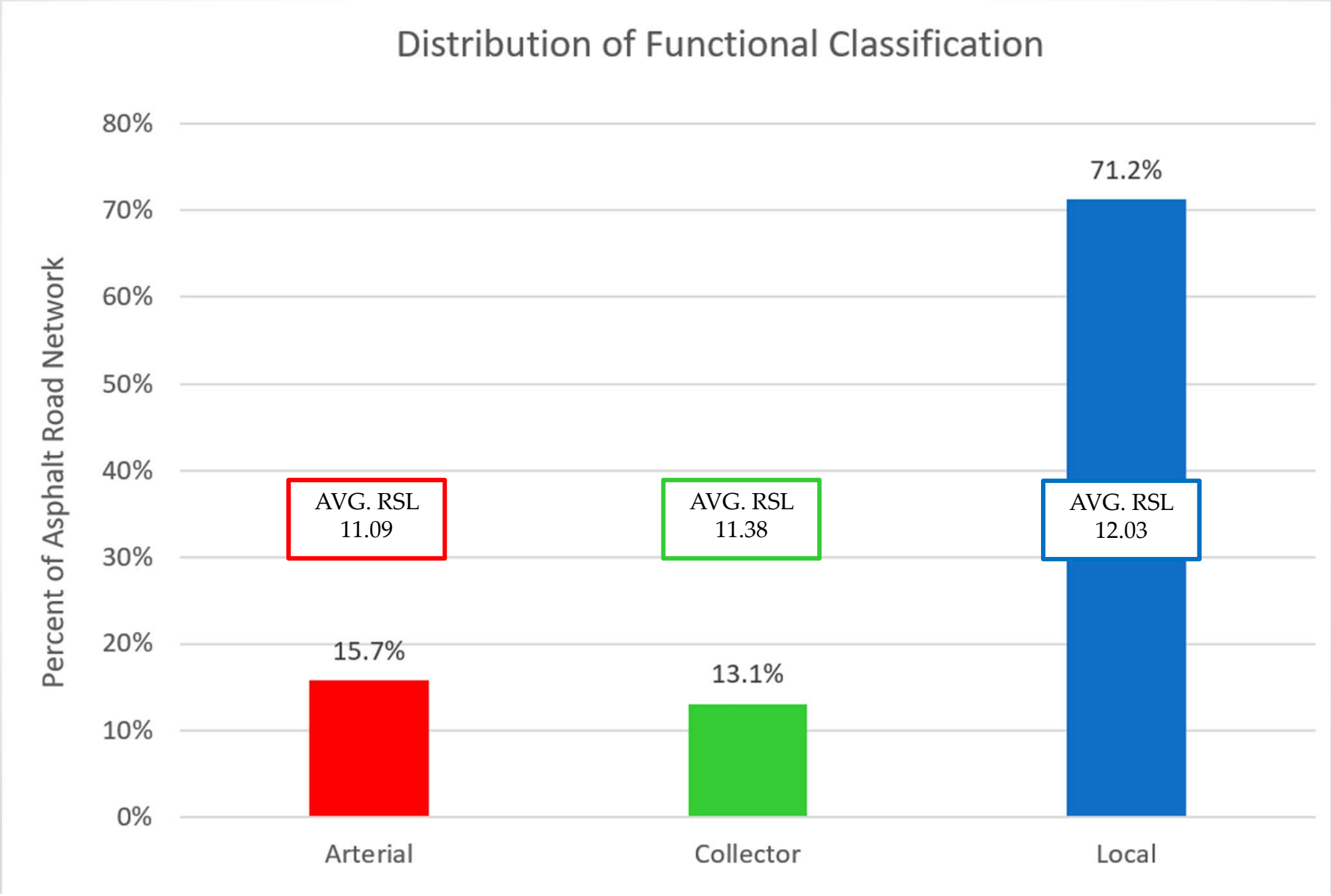


Layton City RSL

- 2018 Average RSL is 11.00 years
- 2021 Average RSL is 11.78 years



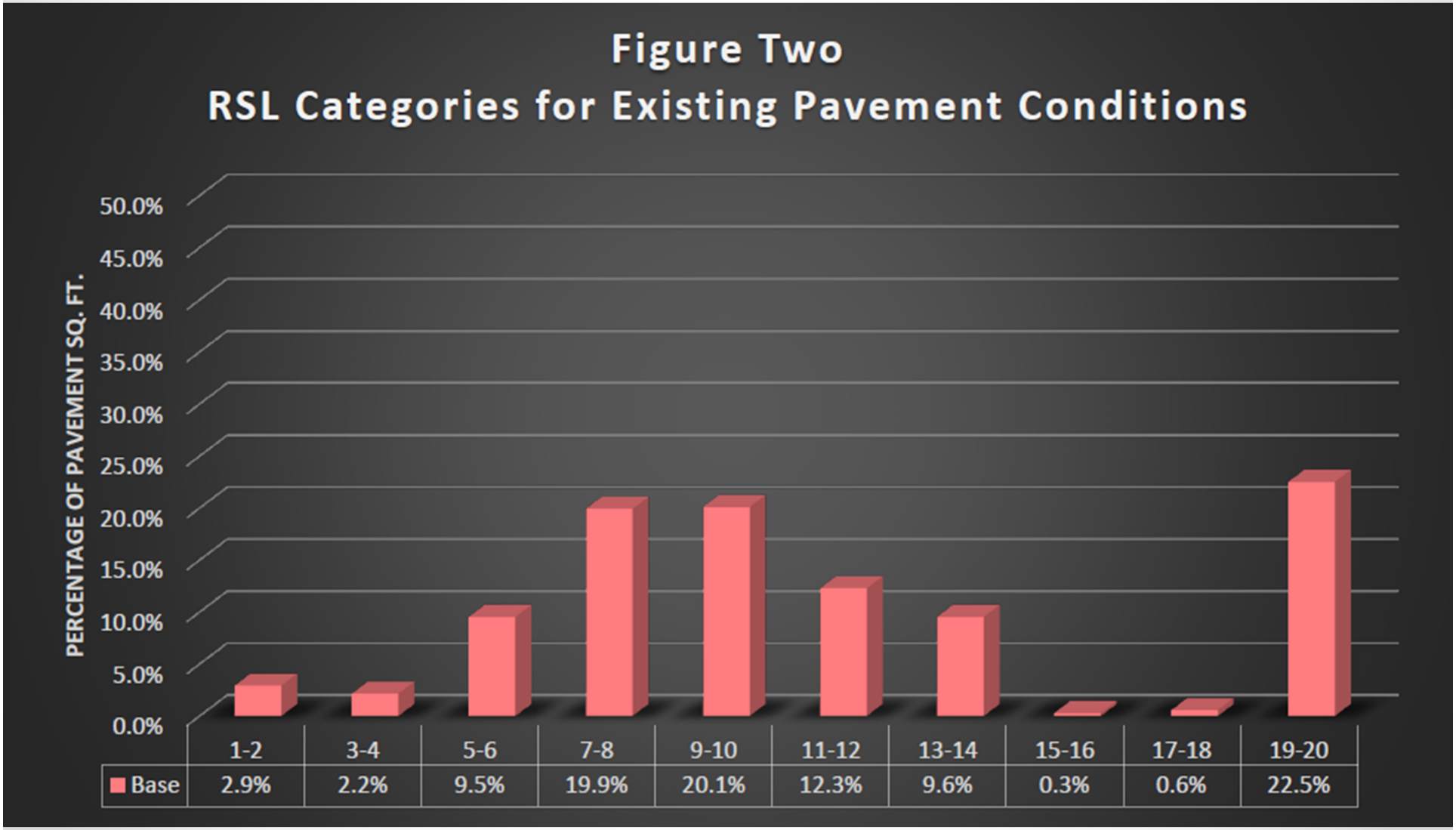
Layton City Functional Classification



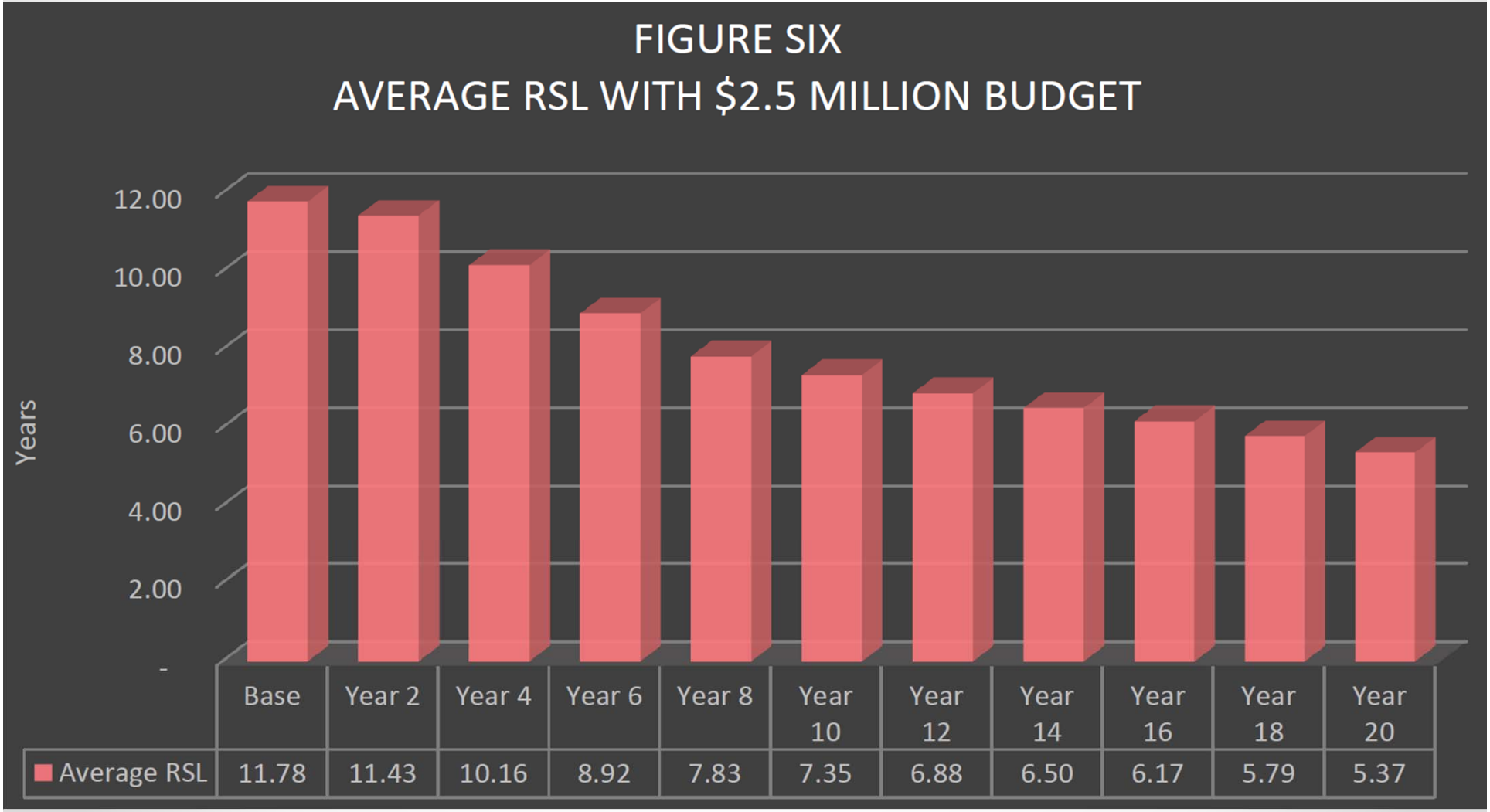
Preservation Strategies and Funding

- The cost of construction and pavement preservation has increased significantly in the last ten years
- Cities have had little increase in the B & C gas tax fund, they can preserve only a fraction of the roads that they could in the past with the same money
- This is putting road departments in the position of not being able to stay up with cost effective pavement preservation in the early years of a pavement's life.
- The only solution is to find other sources of funds or let some of the lower functional class roads go, hoping that low volume roads will last a little longer than the higher volume arterials and collectors.

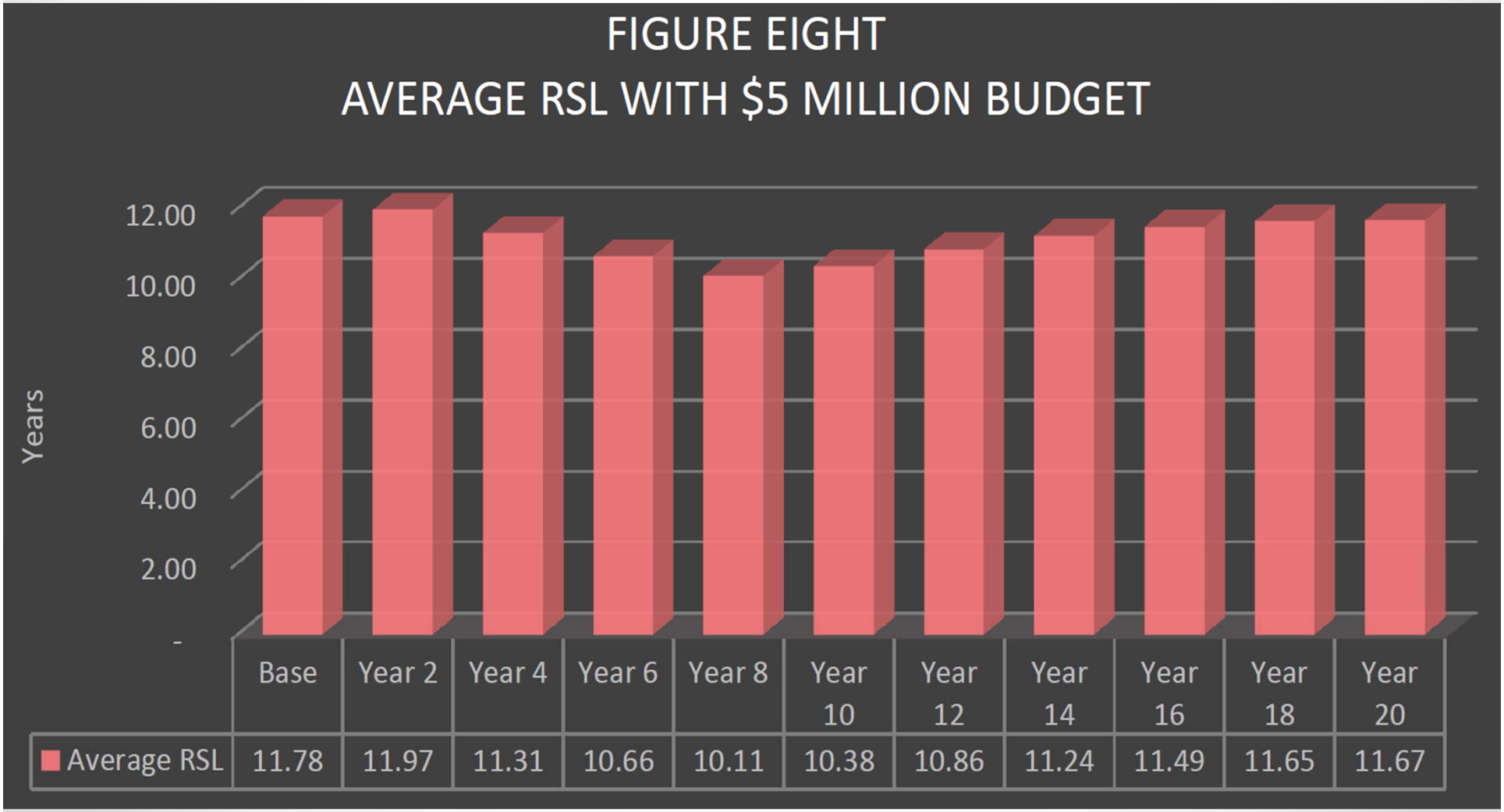
Preservation Strategies



Preservation Strategies and Recommended Funding



Preservation Strategies and Recommended Funding



	Base	Year 2	Year 4	Year 6	Year 8	Year 10	Year 12	Year 14	Year 16	Year 18	Year 20
Average RSL	11.78	11.97	11.31	10.66	10.11	10.38	10.86	11.24	11.49	11.65	11.67