



STREET MAINTENANCE FUNDING

DS-18-088

October 23, 2018

City of Killeen Street Operations

2

- City of Killeen Inventory
 - ▣ 2,191 lane miles (12' wide x 1 mile long) of roadway
 - ▣ 98 signalized intersections
 - ▣ 65 school flashers
 - ▣ Various alleys, sidewalks, driveways, signs, and other appurtenances
- City of Killeen Street Operations
 - ▣ FY 19 Personnel - 56 FTEs
 - ▣ FY 19 Operating Budget - \$4,680,336

City of Killeen Street Operations

3

□ City of Killeen Street Operations

Expense	Adopted FY 19 Budget
Personnel Services	\$2,583,766
Materials & Supplies	767,748
Roadway Drainage	126,511
Street Light Electricity	750,000
Pavement Maintenance	330,000
Pavement Marking	92,311
Signals & Traffic Lights	89,150
Sign Maintenance	30,000

Pavement Preservation

4

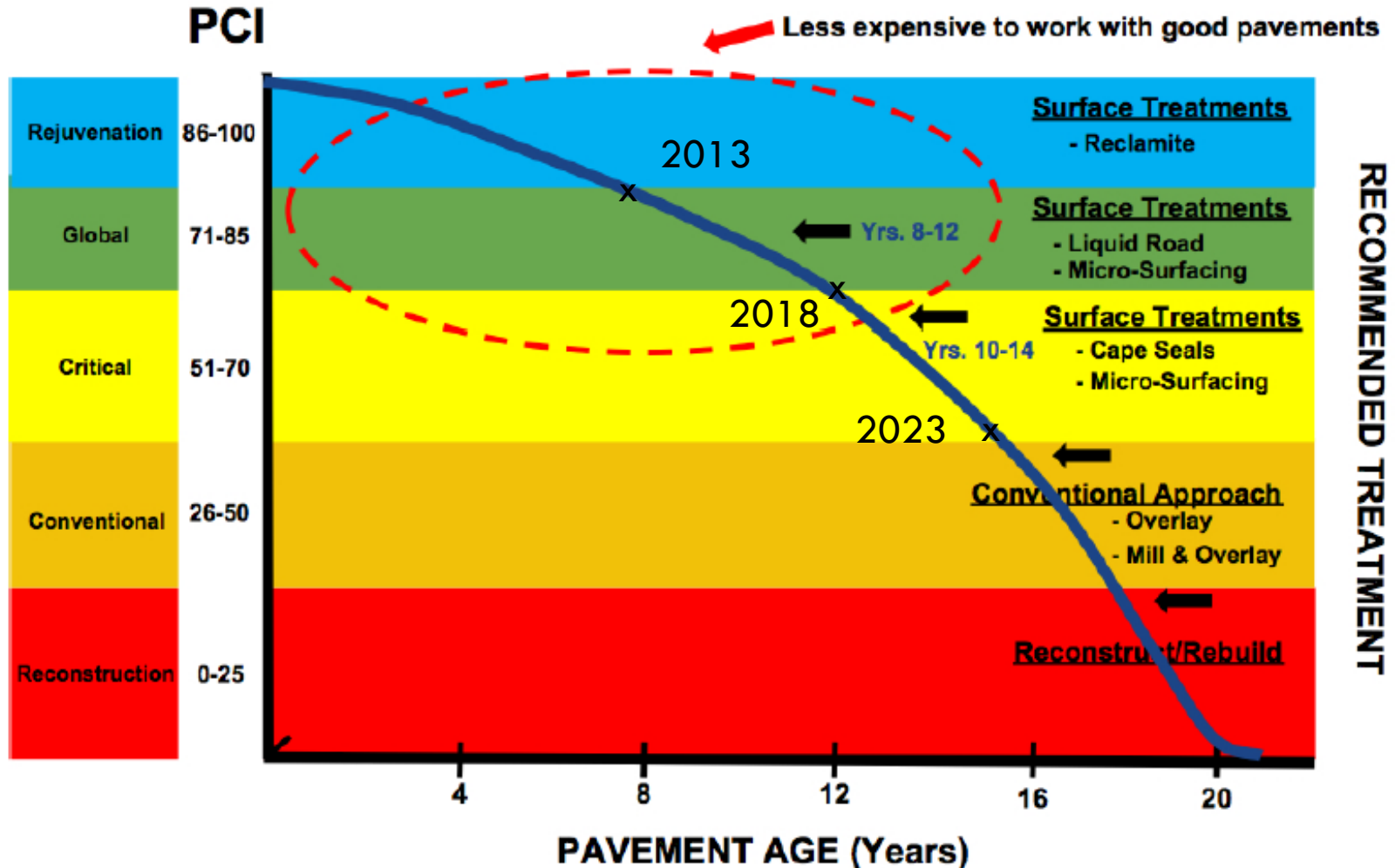
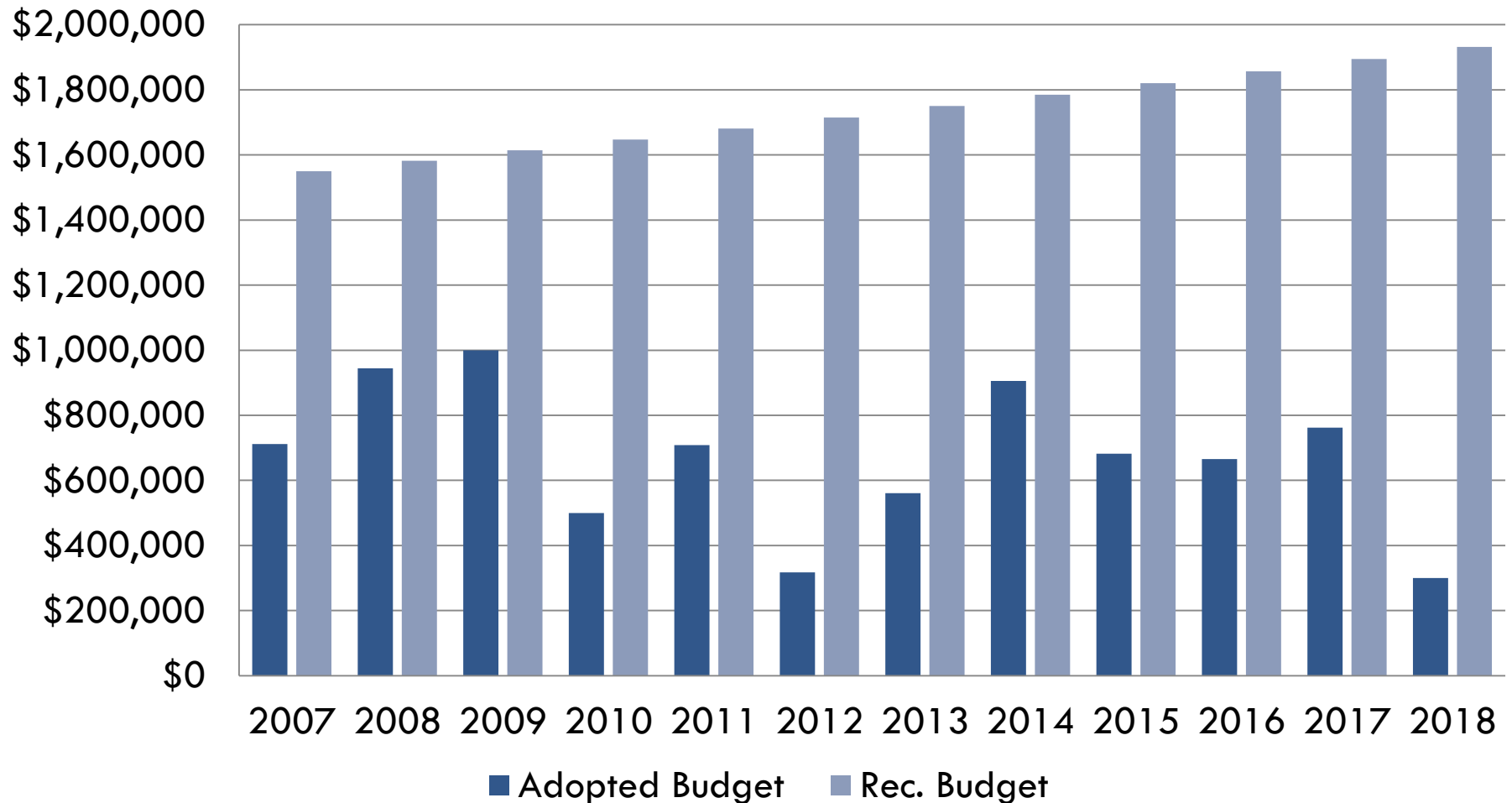


Figure 4-1 Pavement Preservation

Historical Street Maintenance Funding

5



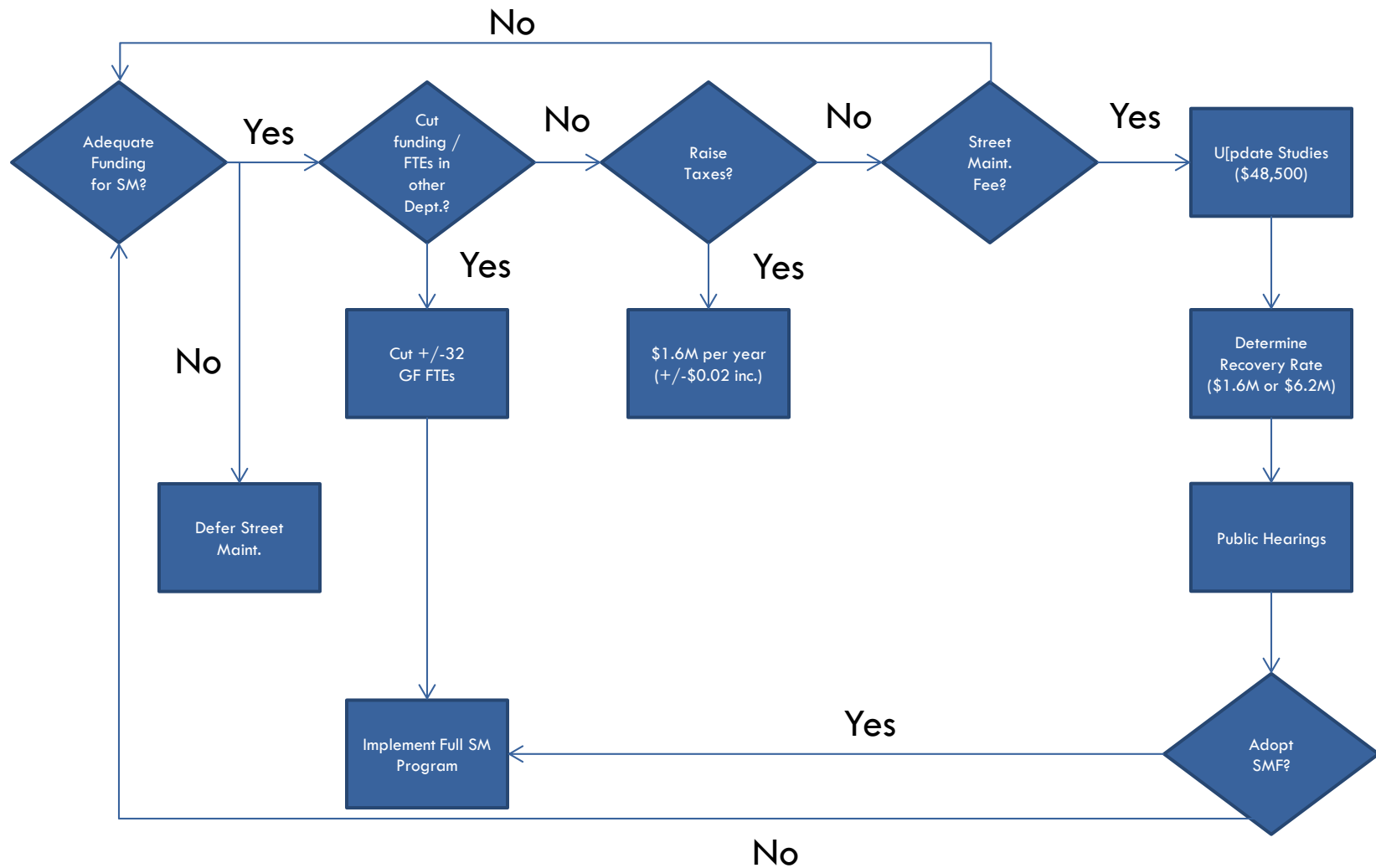
Strategic Concerns

6

- ❑ Current funding for streets comes from the General Fund.
 - ▣ General Fund dollars have too much competition.
 - ▣ The level of funding is inadequate.
- ❑ The City must consider alternative funding sources for street maintenance.

Decision Tree

7



Alternatives

8

1. Do nothing.
2. Increase property taxes (\$1.6M annually).
3. Decrease other expenditures (\$1.6M annually).
4. Adopt a Street Maintenance Fee
 - a) Fee for \$1.6M annual increase to address only the street maintenance deficit.
 - b) Fee for \$6.2M to address Street Operations in totality, and relieve the burden on the General Fund.

Street Maintenance Fee (Alt. 4a)

9

The Street Maintenance Fee is the primary source of revenue to fund the Street System Maintenance Program.

The fee is based upon the use of the streets system by a resident or commercial establishment, billed monthly, and is calculated using four components:

1. **System Cost** - Amount necessary to maintain the streets system;
2. **Land Use Designation** - How the property is used;
3. **Trip Factor** – Vehicle trips generated based on land use, used to equate land use to a single-family home; and
4. **Single-Family Equivalent** – Factor equating the trips generated to a single-family household.

System Cost

10

- The system cost for the Streets System, like the operating budget, has three components:
 - ▣ Personnel
 - ▣ Operations & Maintenance
 - Includes pavement maintenance, pavement marking, traffic signal maintenance, etc.
 - ▣ Capital Outlay (fleet, tools, etc.)
- Items such as growth, inflation, cost of living, etc. will contribute directly to the total system cost.
- Consultant developed model calculating the system cost at \$6,217,221.

Land Use Designation

11

- This is the description of how the property is being used. Some examples of Land Use Designation are:
 - ▣ Medical Office;
 - ▣ Single-Family Residential;
 - ▣ Supermarket;
 - ▣ Multi-Family Residential
- City staff and the consultant have developed a list of 78 land uses along with their SFE.

Trip Factor

12

- The trip factor is a number that is derived from studies performed by the Institute of Transportation Engineers (ITE). These studies tie the amount of traffic generated by a particular land use to the amount of traffic generated by a single-family home.
 - ▣ ITE is a national collaboration of traffic studies performed on different types of land use.
- The trip factor indicates the vehicle trips and miles generated per unit and is used to calculate the SFE.

Single-Family Equivalent

13

- The number of units is used to quantify the size of the land use and compare the traffic generated by the land use to that of a single-family home.
 - ▣ A single family residential home is 1 SFE.
 - ▣ An apartment complex yields 0.57 SFE per dwelling unit. An apartment complex with 20 apartments would be 11.4 SFEs.
 - ▣ A supermarket has an SFE of 4.88 SFE per 1,000 sq. ft. A 20,000 sq. ft. supermarket would have contain 97.6 SFE.

Items Not Included in Fee

14

- ❑ Debt Service
- ❑ Capital Maintenance (i.e Watercrest Road, Gilmer Road, etc.).
- ❑ New Roads/Streets
- ❑ A portion of street sweeping.

Sample Rates

15

□ Rate:

- ▣ System Cost - \$6,217,221

- ▣ Monthly Rate - \$6.47 per SFE*

 - Single Family Home - \$6.47

 - 20 Unit Apartment Complex - \$73.76

 - 20,000 sf Supermarket - \$631.47

- ▣ Formula: $\text{Monthly Rate} \times \text{Total SFEs} \times 12 = \$6,217,221$

 - Current Total SFEs = 80,077.56

*Final rates will vary based upon exemptions, exclusions, capped rates, etc.

Next Steps

16

- Gather questions
- Discuss at 11/6 workshop, and gather additional questions.
- Discuss at 11/20 workshop and consider motion of direction.