

PUBLIC WORKS DEPARTMENT

Pavement Management Program Update



April 21, 2020

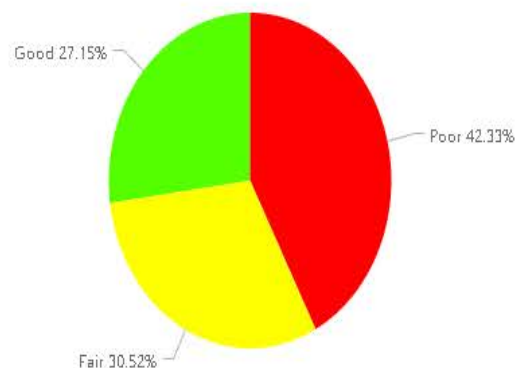
Current Average PCI Score



Original PCI Score 51.4 (3/7/2016)

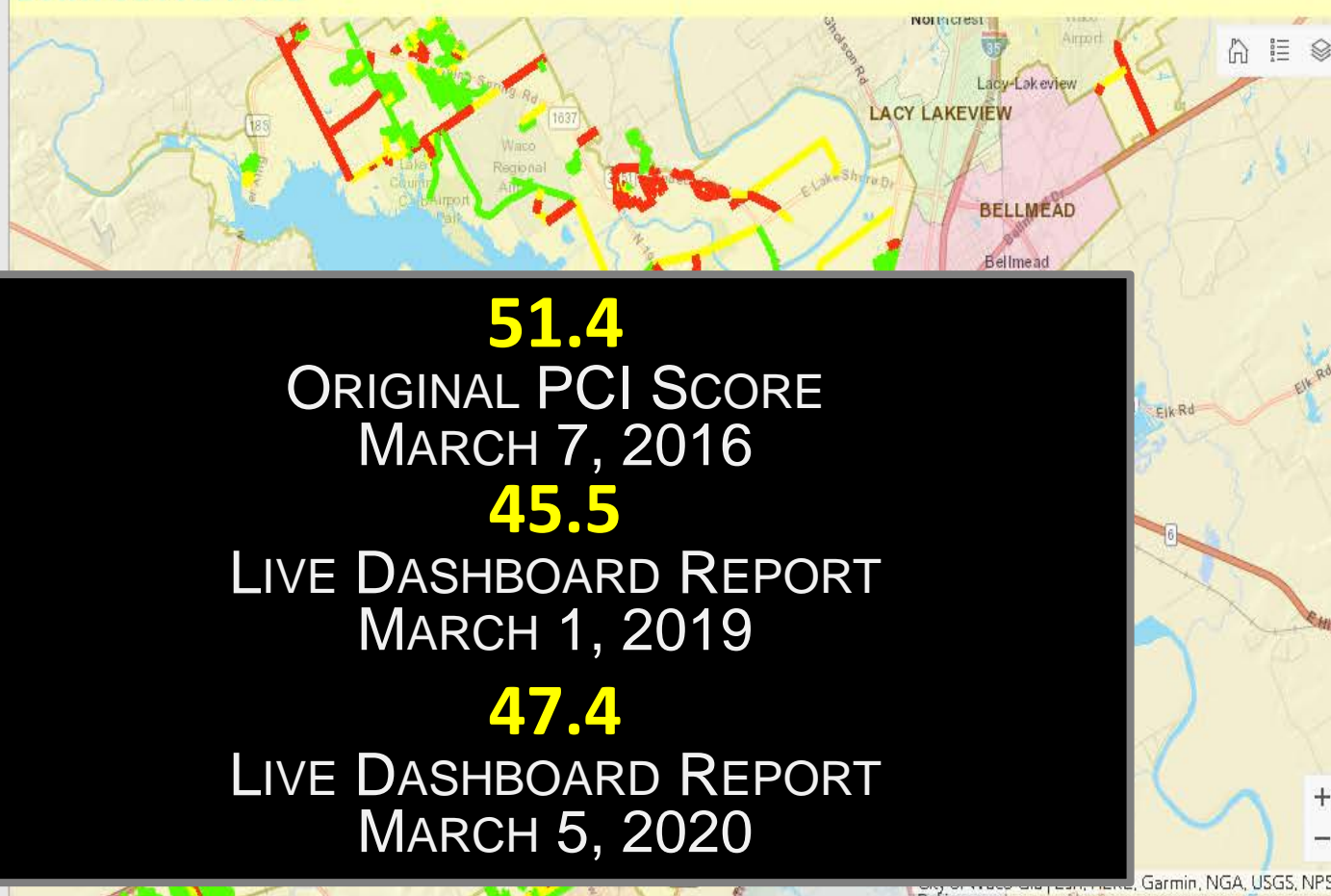
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Percentage by Condition



Last update: a few seconds ago

Better Streets Waco



51.4
ORIGINAL PCI SCORE
MARCH 7, 2016

45.5
LIVE DASHBOARD REPORT
MARCH 1, 2019

47.4
LIVE DASHBOARD REPORT
MARCH 5, 2020

Miles Of Streets In Good Condition



PCI Score: 65 - 100

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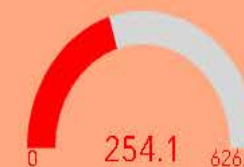
Miles Of Streets In Fair Condition



PCI Score: 40 - 65

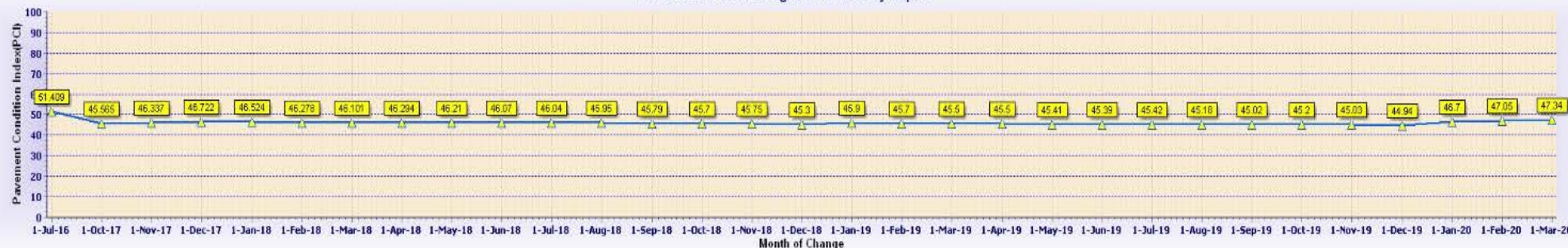
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Miles Of Streets In Poor Condition

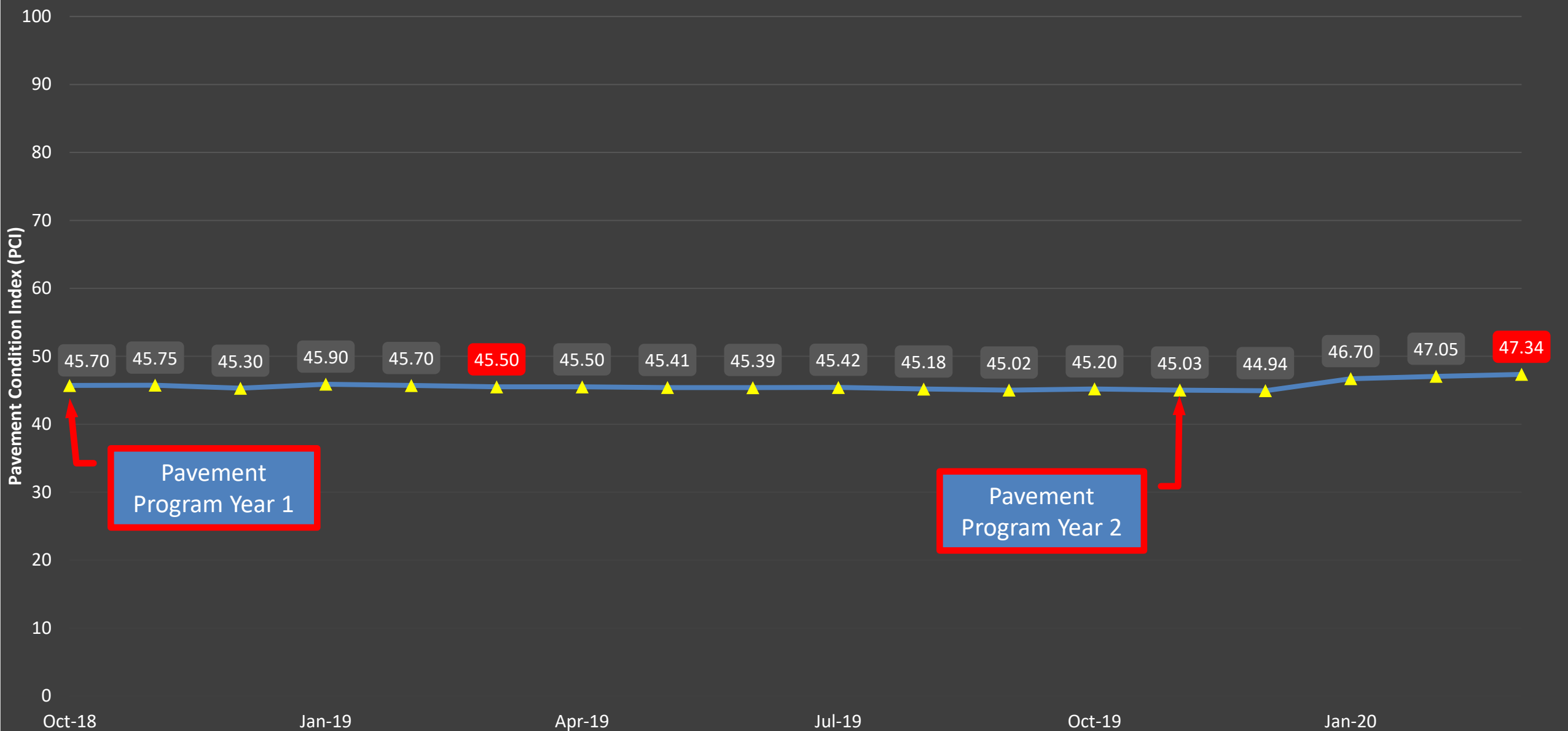


PCI Score: 0 - 40

Public Works Street Program PCI Monthly Report

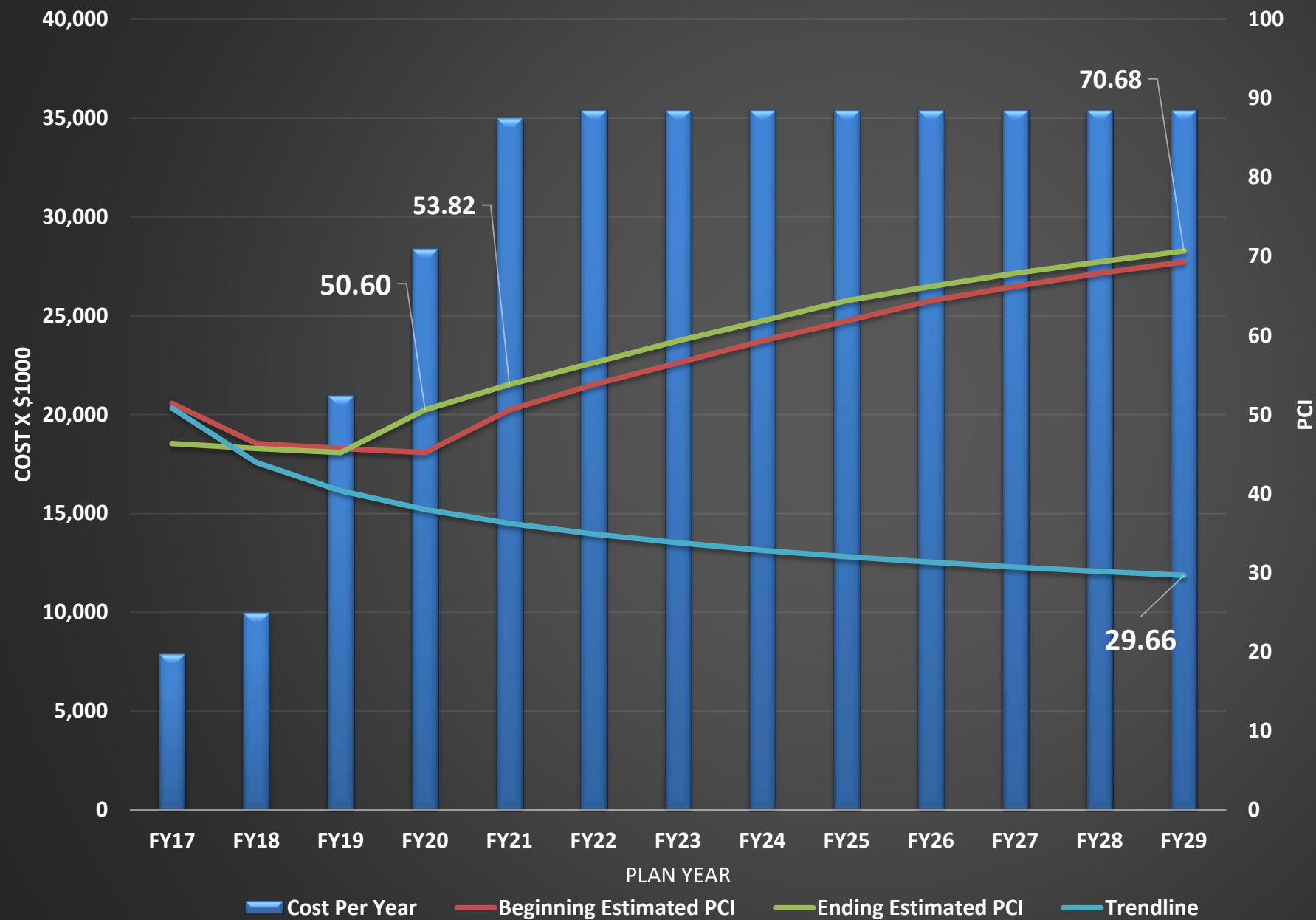


Public Works Street Program PCI Monthly Report



Pavement Management Program

FY19-20 10 Year Plan



City of Waco Streets

2020 Street Operations

- City Street Operations Routine Maintenance

- Crack Seal
- Base Repair/Utility C
- Curb and Gutter Rep
- Surface Replacemen
- Storm Drainage Mai
- ADA Title III Complia
- Street Sweeping - Ro

CITY OF WACO STREETS DIVISION
9 NEW HIRES IN FY 2020

2 OPEN POSITIONS
SR ENGINEER
SR HEAVY EQUIPMENT OPERATOR

- 2019 City Wide C

- 48.3 Street Miles
- 500,000 lbs Sealant
 - 350,000 Sealant - Contract
 - 150,000 Sealant COW Operations Staff
- Estimate \$1,000,000 – **Complete \$605,800**



Street Operations Highlights

Work Order Task	FY 2018-19 (12 Months)	FY 2019-20 (Projected)
Drainage Channel Cleaned	626.3 Centerline Miles of Streets	
Drainage Channel Spoiled		
Drainage Pipe Cleaned		
Crack Seal Pounds of Material	179,275	180,540
Crack Seal Miles	35	52
Concrete Cubic Yards	1,757	1,414
Potholes Repaired	7,421	3,114
Utility Cuts Repaired	539	318



City of Waco Streets 2020 Preservation Projects

- 2020 Street Preservation – Microsurface and Slurry Seal

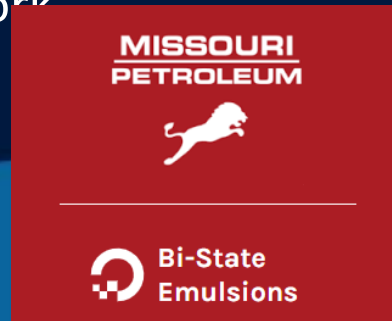
- 25.5 Street Miles
- Construction
- Street Operations

2020 STREET PRESERVATION MICROSURFACE AND SLURRY SEAL

- **25.5 STREET MILES**
- **CONSTRUCTION BID \$2,479,320 (STREETS)**
- **CONSTRUCTION MARCH 2020**
- **COUNCIL DISTRICT III AND V**

- 2020 Street

- 2.8 Street Miles
- Construction
- Street Operations Prep Work



City of Waco Streets 2020 Preservation Projects

- 2020 Street Preservation – Microsurface and Slurry Seal
 - 25.5 Street Miles
 - Construction Estimate
 - Street Operations
- 2020 Street Preservation – Seal Coat
 - 2.8 Street Miles
 - Construction Estimate
 - Street Operations Prep Work

2020 STREET PRESERVATION SEAL COAT

- **2.8 STREET MILES**
- **CONSTRUCTION BID \$566,381
(STREETS)**
- **CONSTRUCTION APRIL 2020**
- **COUNCIL DISTRICT I**



City of Waco Streets 2020 Combination Projects

- 5th Street Improvements (CP&Y Design)

- 1.1 Street Miles
- 59 ADA Curb Ramps
- Water, Sewer, and Storm
- Construction Estimate \$3,323,929

5TH STREET IMPROVEMENTS

- **1.1 STREET MILES**
- **CONSTRUCTION BID \$3,323,929 (STREETS)**
- **CONSTRUCTION JUNE 2020**
- **COUNCIL DISTRICTS II AND IV**

- 4th Street Improvements

- 1.1 Street Miles
- Estimated 20 ADA Ramps
- Water, Sewer, and Storm
- Construction Estimate \$11,700,000



City of Waco Streets 2020 Combination Projects

- 5th Street Improvements (CP&Y Design)

- 1.1 Street Miles
- 59 ADA Curb Ramps
- Water, Sewer, and Storm
- Construction Estimate \$11,700,000

4TH STREET IMPROVEMENTS

- **1.1 STREET MILES**
- **PRELIMINARY DESIGN \$266,473**
- **CONSTRUCTION ESTIMATE \$4,762,000 (STREETS)**
- **CONSTRUCTION APRIL 2022**
- **COUNCIL DISTRICTS II AND IV**

- 4th Street Improvements

- 1.1 Street Miles
- Estimated 20 ADA Ramps
- Water, Sewer, and Storm
- Construction Estimate \$11,700,000





City of Waco Streets 2020 Mill and Overlay Projects

- 2019 Mill and Overlay Phase 2 (In-House Design)

- 7.7 Street Miles
- 40 Curb Ramps
- Construction Estimate Streets \$3,440,000

2019 MILL AND OVERLAY PHASE 2

- **7.7 STREET MILES**
- **CONSTRUCTION ESTIMATE
\$3,440,000 (STREETS)**
- **CONSTRUCTION JUNE 2020**
- **ALL COUNCIL DISTRICTS**

- Lake Shore Dr. In-House Design

- 3.4 Street Miles
- 5 Curb Ramps
- Construction Estimate Streets \$1,891,000

- Texas Central Parkway Improvements (In-House Design)

- 4.1 Street Miles
- Construction Estimate Streets \$3,100,000



City of Waco Streets 2020 Mill and Overlay Projects

- Washington Ave. Conversion (Walker Partners)

- 1.4 Street Miles
- 50 ADA Ramps
- Two Way Conversion
- Construction Estimate \$4,500,000

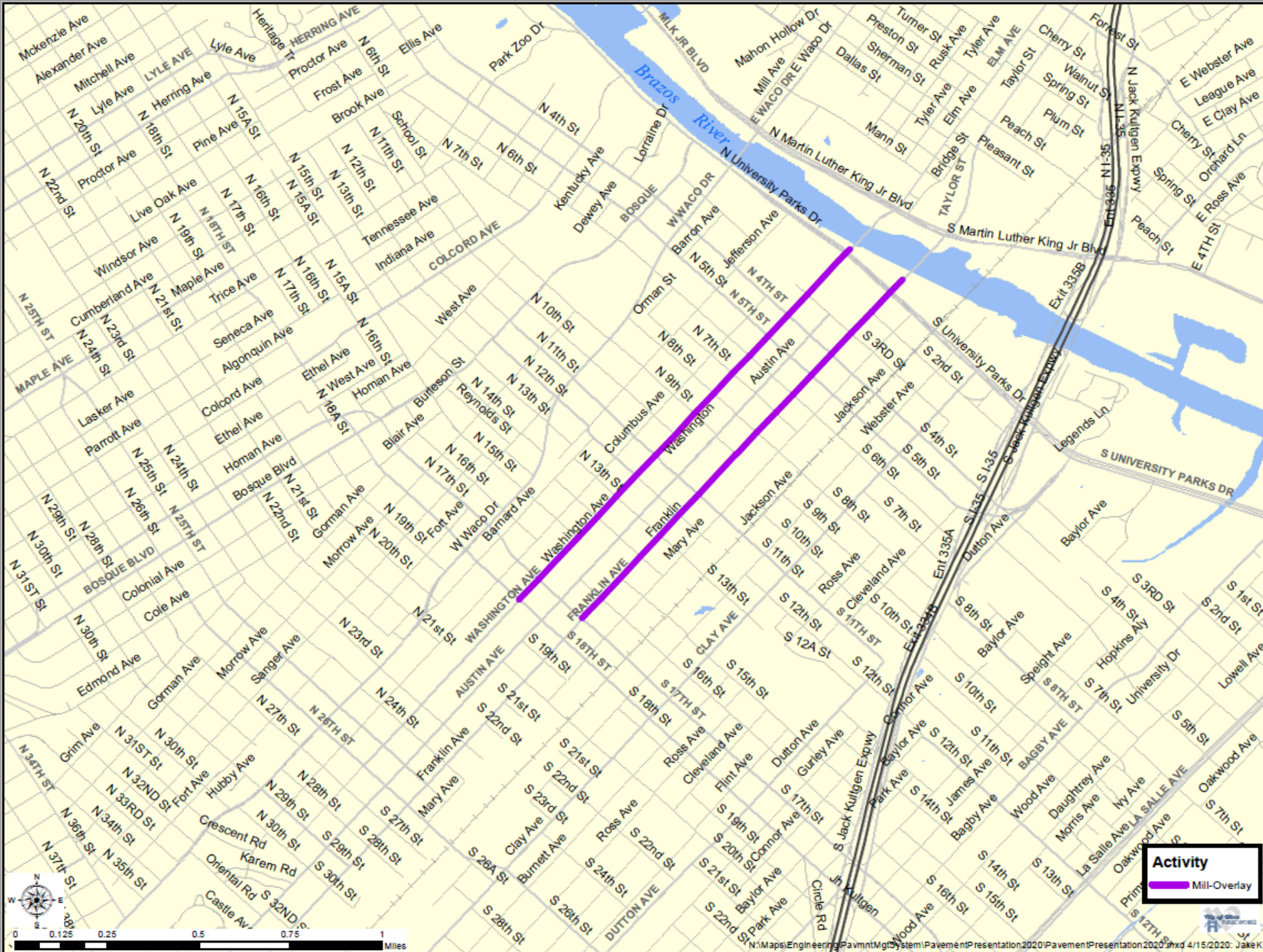
FRANKLIN AVENUE IMPROVEMENTS

- **1.4 STREET MILES**
- **CONSTRUCTION ESTIMATE \$2,100,000 (STREETS)**
- **CONSTRUCTION APRIL 2021**
- **COUNCIL DISTRICTS II AND IV**

- Franklin Avenue Conversion

- 1.4 Street Miles
- Estimated 50 ADA Ramps
- Two Way Conversion
- Construction Estimate \$4,500,000





City of Waco Streets 2020 Reclamation Projects

- 2019 Street Reclamation (In-House Design)

- 3.4 Str
- Constr

2019 CITYWIDE STREET RECLAMATION PHASE 2

- 2019 Str

- 3.3 Str
- 15 AD
- Constr

- **3.3 STREET MILES**
- **30% DESIGN (IN-HOUSE DESIGN)**
- **CONSTRUCTION ESTIMATE STREETS \$3,000,000**
- **CONSTRUCTION OCTOBER 2020**
- **COUNCIL DISTRICTS II AND IV**

- Airport Road Reclamation (In-House Design)

- 1.8 Street Miles
- Construction Estimate Streets \$3,919,000



City of Waco Streets 2020 Reclamation Projects

- Oak Road Improvements (LAN Design)

- 0.9 Street Miles
- Construction Estimate \$1,321,500
- Includes Design

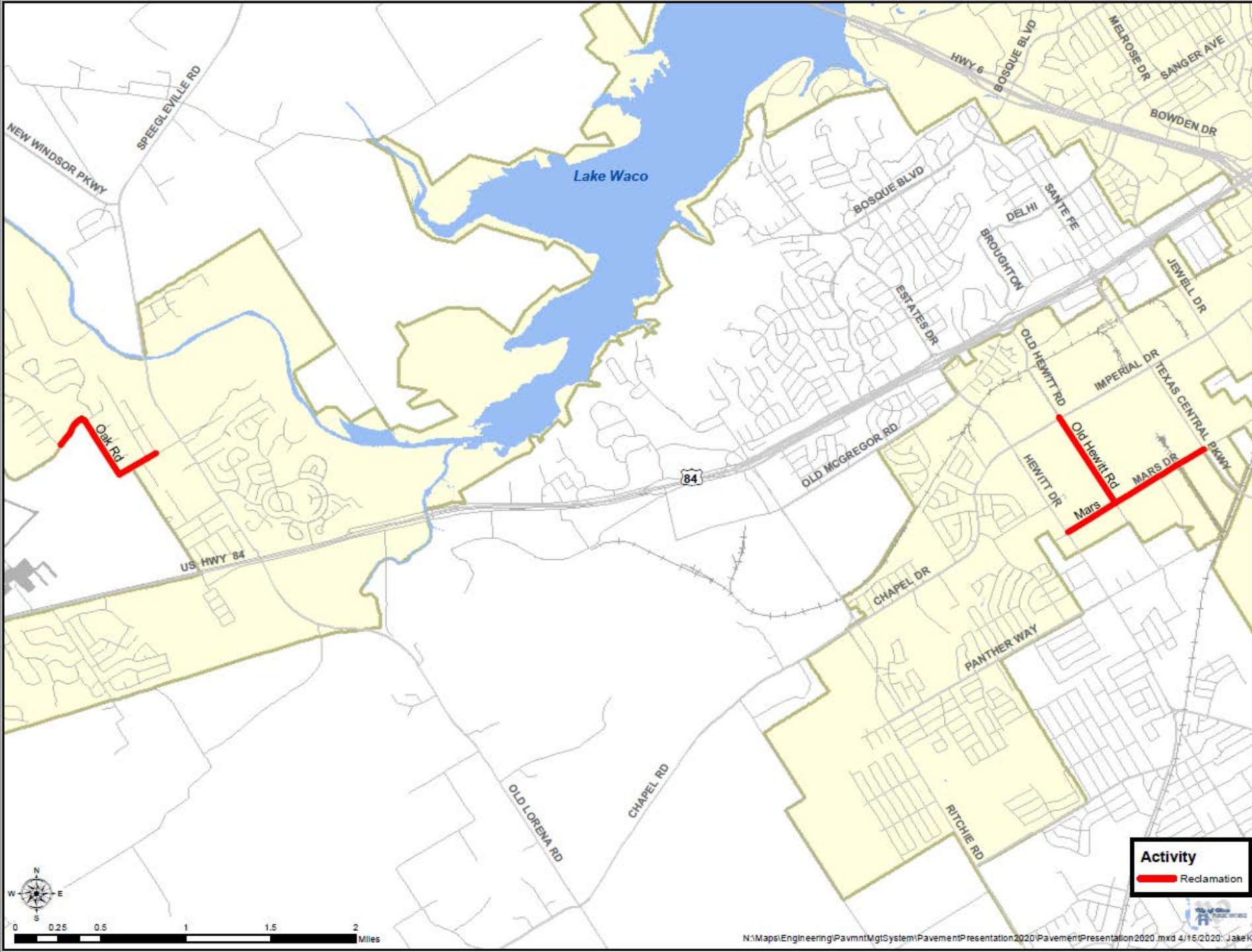
OAK ROAD DRAINAGE AND STREET IMPROVEMENTS

- **0.9 STREET MILES**
- **100% DESIGN (LAN)**
- **CONSTRUCTION ESTIMATE \$1,321,500 (STREETS)**
- **CONSTRUCTION AUGUST 2020**
- **COUNCIL DISTRICT V**

- Mars Drive and

- 1.6 Street Miles
- Construction Estimate \$9,300,000
- Additional Funding Being Pursued





City of Waco Streets

2020 Street and Utility Projects

- Dutton Avenue Improvements (KPA Engineers Design)

- 1.1 Street Miles
- 16 ADA
- Water, Sewer, and Storm
- Construction Estimate \$1,550,200 (Streets)

DUTTON AVENUE IMPROVEMENTS

- **1.1 STREET MILES**
- **CONSTRUCTION ESTIMATE \$1,550,200 (STREETS)**
- **CONSTRUCTION JULY 2020**
- **COUNCIL DISTRICT II**

- Harris Creek Improvements

- 0.7 Street Miles
- Water, Sewer, and Storm
- Construction Estimate \$7,100,000



City of Waco Streets



City of Waco Streets



Chapel Hill/Woodgate Drive Intersection

City of Waco Streets



Speegleville Road/Oak Road Intersection

City of Waco Streets 2019 Completed Streets Highlights

BEFORE RECLAMATION

AFTER RECLAMATION



Speegleville Road at Woodgate Intermediate

City of Waco

2021 - 2025 Funded Capital Improvement Program: Streets

Project Number	Project Name	2021 Budget	2022 Estimate	2023 Estimate	2024 Estimate	2025 Estimate	2021-2025 TOTAL
21STR20001	Streets Pavement Program - Preservation	3,400,000	\$ 3,400,000	3,400,000		00	17,000,000
21STR20002	Street Pavement Program – Mill & Overlay	22,800,000	16,600,000			00	78,000,000
21STR20003	Street Pavement Program - Reclamation	8,800,000	15,000,000	16,000,000		00	80,000,000
21SM81001	Elm Avenue Utility Relocation (Storm)	650,000	-	-	-	-	650,000
21STR20008	Elm Avenue Utility Rail Removal	686,000	-	-	-	-	686,000
21STR20005	Mann Street Expansion	395,000	-	-	-	-	395,000
21STR20006	Dallas St. (Herring Ave. to Elm Ave.) - Street, Utility, and Storm Rehabilitation	4,000,000	-	-	-	-	4,000,000
21STR20007	TASA MKT RTT (Phase 2) - Match	1,450,000	-	-	-	-	1,450,000
21STR20009	ADA Transition Plan Improvements	250,000	250,000	250,000	250,000	250,000	1,250,000
	TOTAL	\$ 42,431,000	\$ 35,250,000	\$ 35,250,000	\$ 35,250,000	\$ 35,250,000	\$185,471,000

2020 – 2021
Pavement
Management
Program
\$35,000,000

2020 – 2021
TBD
Funding Discussion
\$6,531,000



Budget Year 2017	Budget Year 2018	Budget Year 2019 Program Year #1	Budget Year 2020 Program Year #2	Budget Year 2021 Program Year #3
7.9 M	10.0 M	21.0 M	28.4 M	35.0 M
Pavement Management Program	Pavement Management Program	Pavement Management Program	Pavement Management Program	Pavement Management Program



2020-21 Street Planned Projects

Total Citywide Street Miles	2020-21 Program Street Actual Miles	2020-21 Program Street % Miles	2020-21 Program Funding Request
626.3	50.8	8.10%	\$35,000,000



Legend	
Activity	
—	Microsurface
—	Slurry Seal
—	Thin Overlay Mix
—	Mill-Overlay Mix
—	Reclamation

PUBLIC WORKS DEPARTMENT

Pavement Management Program Questions?



April 21, 2020