

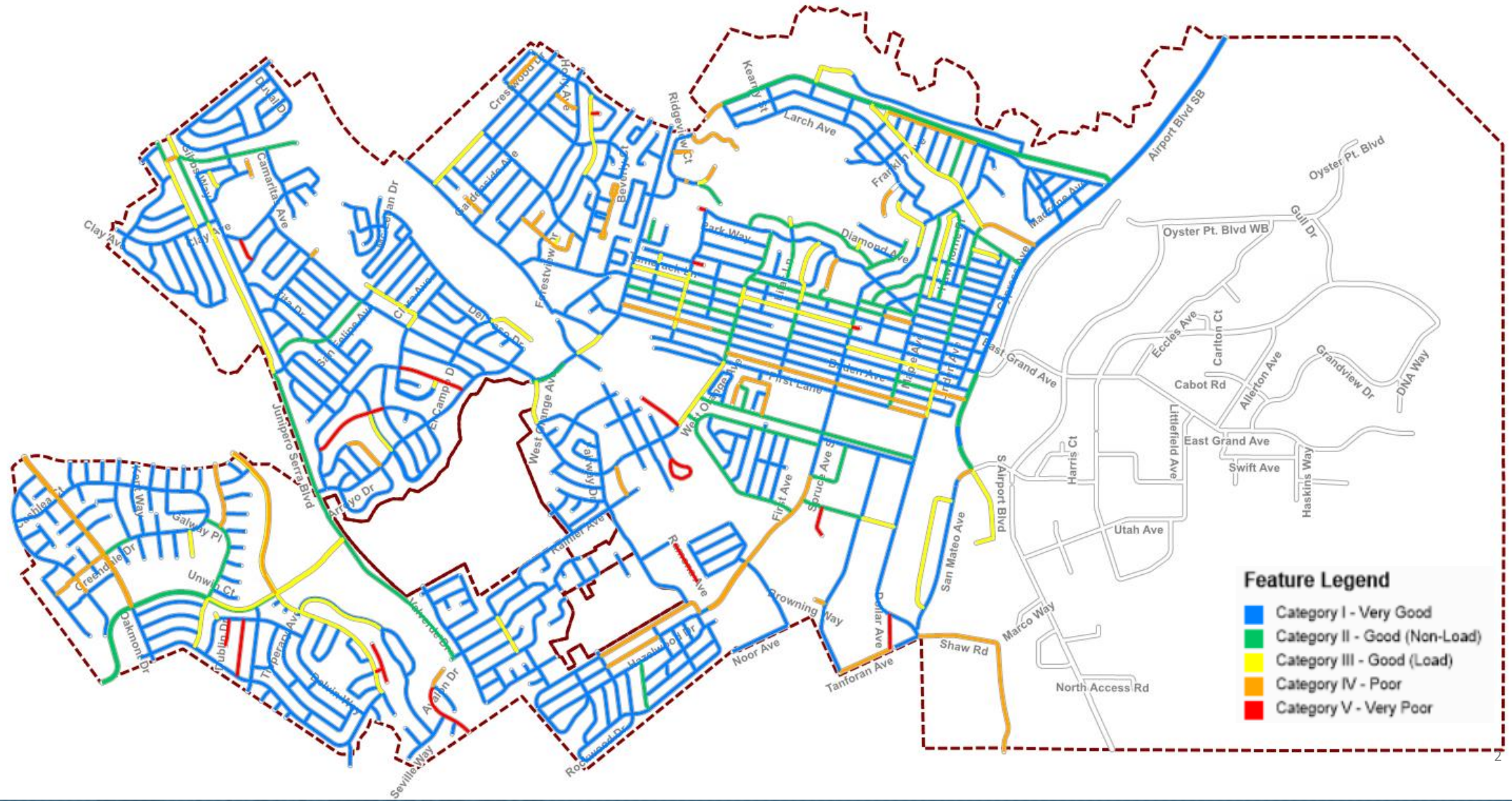


2022 WEST OF 101 PAVEMENT REHABILITATION PROJECT

AWARD OF CONSULTANT DESIGN CONTRACT

MARCH 10, 2021

CURRENT PAVEMENT CONDITION



Current *Pay-As-You-Go* Program (2020-2026)

Total Rehabilitation Cost
\$17.5 M
(\$2.567 M/year)

Treat 17.2 CL miles
(12% of entire
network)

Average \$4.567 M/year
to maintain Pavement
Condition Index at **78**

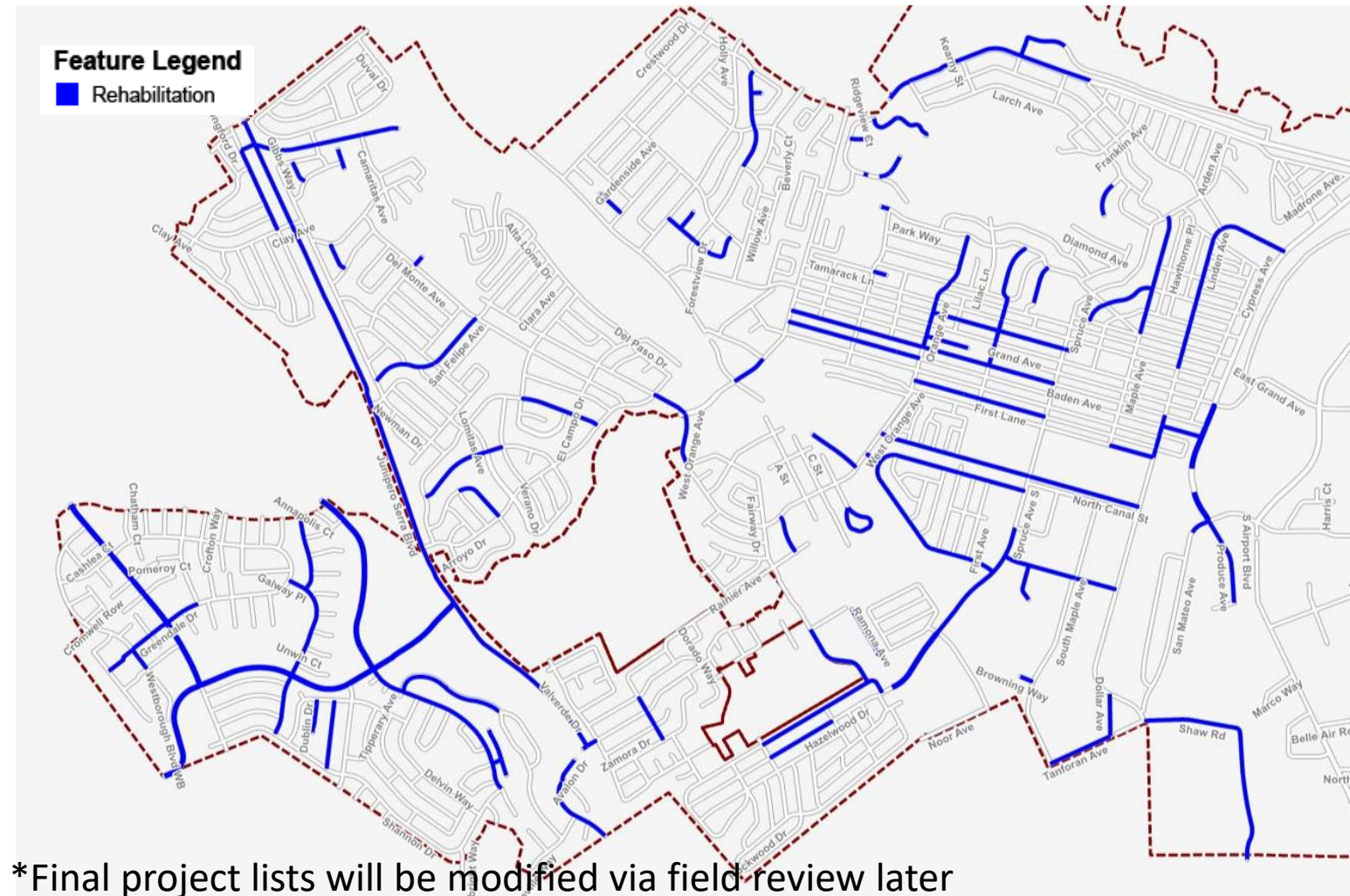


Bond Measure Project (2020-2022)

Total Rehabilitation
Costs
\$24.0 M

Treat 25.2 CL miles
(19% of entire
network)

Average **\$2.0 M/year**
to maintain Pavement
Condition Index at **87**

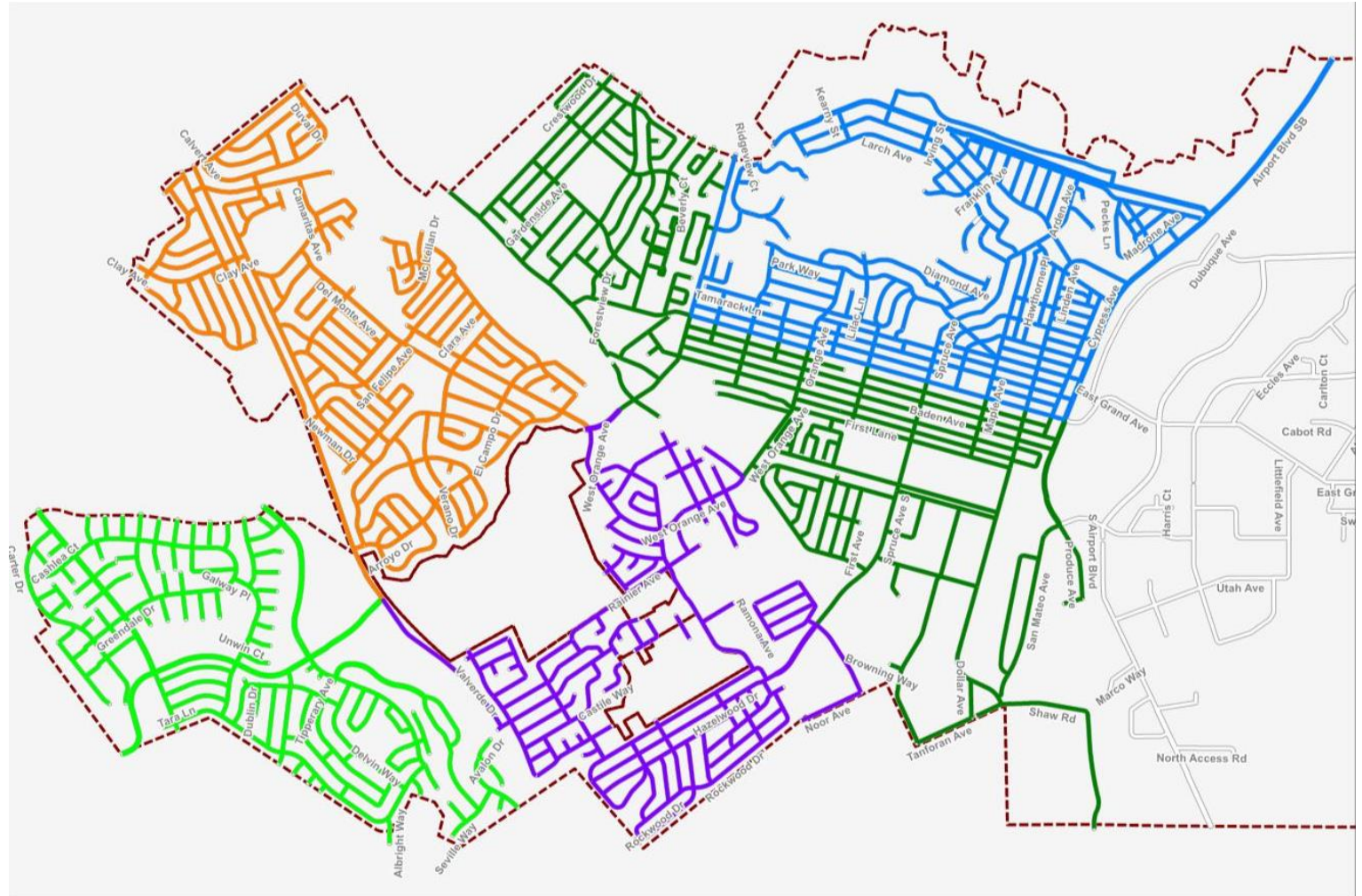


Future Maintenance – Surface Seal By Zone

Feature Legend

- 2023 Surface Seal
- 2024 Surface Seal
- 2025 Surface Seal
- 2026 Surface Seal
- 2027 Surface Seal

Average **\$2 M/year**
Surface Seal by Zone



Project Summary – Street Bond Program

Items	Current Year by Year Project	Bond Measure Project
Rehabilitation Cost	\$2.5 M/yr	\$24 M Single Project
Zone Surface Seal Cost	\$2.0 M/yr	\$2.0 M/yr
15-year Total Cost	$\$4.5 \text{ M} \times 15 = \67.5 M	$\$24 \text{ M} + \$2.0 \text{ M} \times 15 = \54 M (-20%)
Upfront Cost Savings	0	\$2.0 M
Total Cost Savings	0	$(\$67.5 \text{ M} - \$54 \text{ M}) + \$2 \text{ M} = \15.5 M
Treated CL Miles (rehab. only)	17.2	25.2 (+46%)
Pavement Condition Index (PCI)	Maintain Current Level (70s)	Current Level + 10 points (80s)
General Network Condition	Good condition with low severity cracking and pavement distress, still poor condition streets	Excellent – Significantly less pavement distress, no poor condition streets

Before



After



**Striping
Improvement**

During Construction: Paving



**Pavement
Rehabilitation**

Before



After



Before



After



Curb Ramp
Improvement

Before



After



PROCUREMENT METHODS

1. Competitive Bidding for Construction Projects

- Cost is generally the sole determining factor

2. Open Market Procedures for Vendors (Supplies and Equipment)

- Cost > \$25,000, required to solicit the project through an RFP
- Cost can be only one factor in selection (SSFMC § 4.04.080)
- Federally Funded, do not include state or local geographical preferences.
- Nondiscrimination and equal opportunity for all vendors.

3. Open Market Procedures for Architectural and Engineering (A&E) Professional Services

- Consultant is selected through a qualifications based selection (Gov. Code § 4526.)

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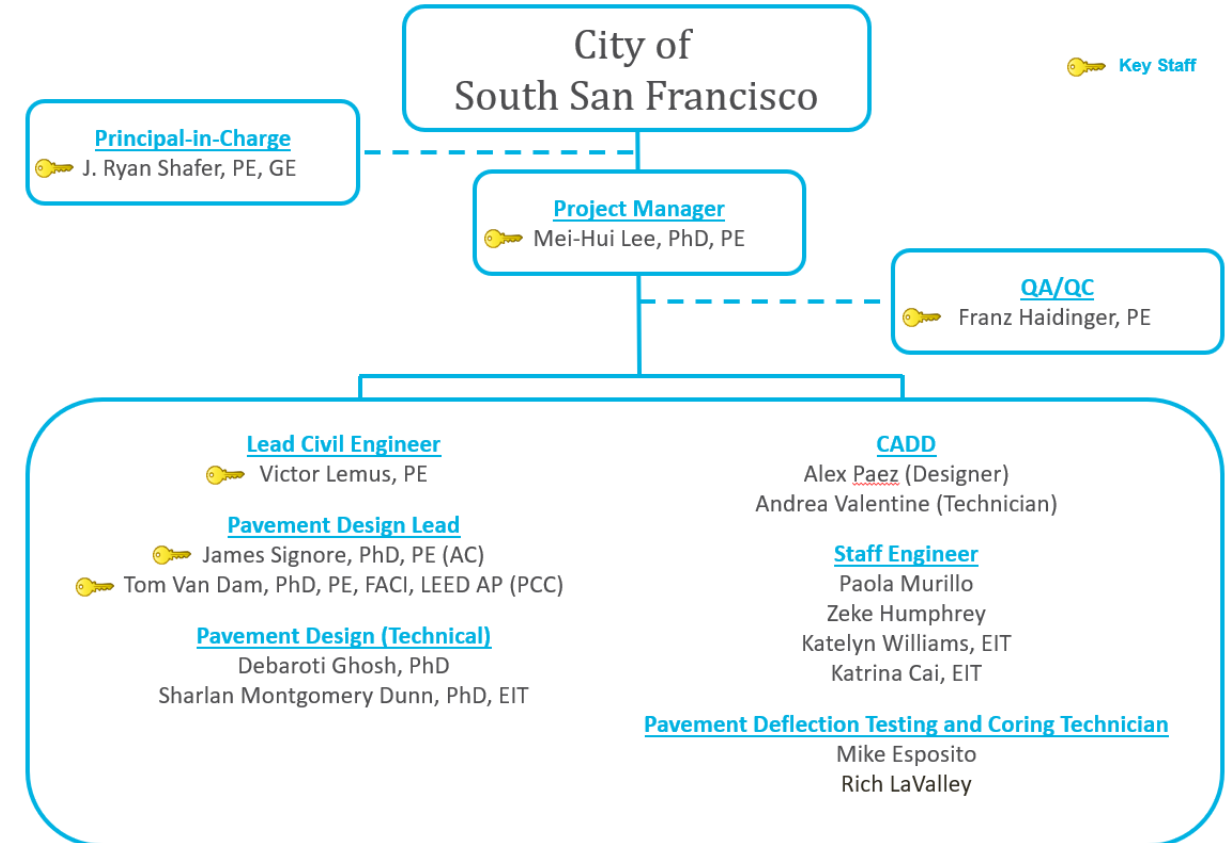
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NCE TEAM



- NCE has worked with SSF since 2017
- Nationally recognized pavement expertise
- Completed >55 centerline mile streets design for surface seal and rehabilitation in SSF
- Developed 6-year work plan for SSF
- Familiarity with local regulations and working with Bay Area cities, utilities, and communities
- Experience designing thousands of roadways



PMP BOND MEASURE FUNDING FOR DEFERRED MAINTENANCE

Budget Item	Costs
Total Consultant Design Services Agreement (NCE)	\$ 1,596,000

Projects	Design Cost	Construction Costs	Design as Percentage of Construction
ST2104 – 2020 Pavement Rehab	\$294 K	\$2.5 M	12%
ST2106 – 2021 Pavement Rehab	\$215 K	\$2.2 M	9.8%
ST2107 – 2022 West of 101 Pavement Rehab	\$1.6 M	\$18 M	8.9%

Design to start in March 2021
Anticipate Bid & Award in Nov/Dec 2021
Estimate Construction completed in 2022

QUESTIONS?