

5-Year Capital Improvement Plan - Board Approved July 9, 2020

CIP subject to Budget Limits and Road Conditions

Recommendations by: Director of Highways, Gordon Bates, P.E.

| Category | Cost Estimate | 2021 | 2022 | 2023 | 2024 | 2025 | Deferred |
|---|----------------------|-----------------------|-------------------|-----------------------------|-------------------|------------------------------|----------------------|
| Maintenance Projects | \$ 28,440,000 | \$ 2,048,000 | \$ 528,000 | \$ 2,068,000 | \$ 533,000 | \$ 1,428,000 | \$ 21,685,000 |
| Chip Seal (26 miles annual average) | \$ 2,210,000 | \$ 442,000 | \$ 442,000 | \$ 442,000 | \$ 442,000 | \$ 442,000 | \$ - |
| (includes cracksealing, patching & shouldering) | | | | | | | |
| | | Homedale Rd (west) | Penny Ln (BST) | Homedale Rd (mid & east) | Rodeo Ln (BST) | Ustick Rd (east of HWY95) | |
| Pavement Rehab or Overlay - Arterials & Collectors | \$ 11,497,500 | \$ 1,250,000 | \$ - | \$ 1,560,000 | \$ - | \$ 920,000 | \$ 7,767,500 |
| Pavement Rehab or Overlay - Local Roads | \$ 13,875,000 | \$ - | \$ 25,000 | \$ - | \$ 25,000 | \$ - | \$ 13,825,000 |
| Pavement Reconstruction - Arterials & Collectors | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Pavement Reconstruction - Local Roads | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Gravel Roadway Rehabilitation | \$ 25,000 | \$ - | \$ - | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 10,000 |
| Drainage Structure Maintenance | \$ 105,000 | \$ 21,000 | \$ 21,000 | \$ 21,000 | \$ 21,000 | \$ 21,000 | \$ - |
| Bridge Maintenance | \$ 107,500 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 82,500 |
| Crushing Chips | \$ 470,000 | \$ 300,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ 5,000 | \$ - |
| Sign & Pavement Marking Maintenance | \$ 150,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ - |
| Bridge and Drainage Structure Projects | \$ 1,888,000 | \$ - | \$ 325,000 | \$ - | \$ 425,000 | \$ - | \$ 1,138,000 |
| Bridge #26780 Penny Lane Replace | \$ 325,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 325,000 |
| Box Culvert #GG04 Homedale Rd Replace | \$ 325,000 | \$ - | \$ 325,000 | \$ - | \$ - | \$ - | \$ - |
| Bridge #27010 Upper Pleasant Ridge Rd Replace | \$ 425,000 | \$ - | \$ - | \$ - | \$ 425,000 | \$ - | \$ - |
| Drainage Structure Rehab/Replacement | \$ 813,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 813,000 |
| | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Safety Improvement Projects | \$ 10,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ - |
| Sign & Markings Upgrades | \$ 10,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ 2,000 | \$ - |
| | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| | | | | | | | |
| | Cost Estimate | 2021 | 2022 | 2023 | 2024 | 2025 | Deferred |
| Total Cost Estimate | \$ 30,338,000 | \$ 2,050,000 | \$ 855,000 | \$ 2,070,000 | \$ 960,000 | \$ 1,430,000 | \$ 22,666,653 |
| | | | | | | | |

| Category | Cost Estimate | 2021 | 2022 | 2023 | 2024 | 2025 | Deferred |
|--|---------------------|-------------------|---------------------|-------------------|-------------|------------------|---------------------|
| Major Projects (subject to Grant Funding) | \$ 4,459,000 | \$ 181,347 | \$ 3,959,000 | \$ 400,000 | \$ - | \$ 75,000 | \$ (156,347) |
| Peckham Road (Notus Rd to HWY 95) | \$ 3,095,000 | \$ 154,630 | \$ 3,595,000 | \$ - | \$ - | \$ - | \$ (654,630) |
| Peckham Rd Freight Improvements | \$ 364,000 | \$ 26,718 | \$ 364,000 | \$ - | \$ - | \$ - | \$ (26,718) |
| Intersection Improvements | \$ 400,000 | \$ - | \$ - | \$ 400,000 | \$ - | \$ - | \$ - |
| Roadside Clear Zone & Wider Shoulders | \$ 75,000 | \$ - | \$ - | \$ - | \$ - | \$ 75,000 | \$ - |
| Guardrail Improvements (bridges and hazards) | \$ 100,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 100,000 |
| Culvert #C27d0414 Howe Rd (replace w/ bridge) | \$ 425,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 425,000 |
| TBD | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

| Annual Revenue Estimate | 2021 | 2022 | 2023 | 2024 | 2025 | 5-yr Total |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Annual Budget Maintenance | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 1,000,000 |
| Annual Budget Construction Projects | \$ 660,000 | \$ 660,000 | \$ 660,000 | \$ 660,000 | \$ 660,000 | \$ 3,300,000 |
| Annual Budget H312 Maintenance | \$ 285,000 | \$ 285,000 | \$ 285,000 | \$ 285,000 | \$ 285,000 | \$ 1,425,000 |
| Federal Aid Road grant award | \$ - | \$ 3,959,000 | \$ - | \$ - | \$ - | \$ 3,959,000 |
| Federal Aid Bridge grant award | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| LRHIP grant award | \$ 100,000 | \$ - | \$ - | \$ 100,000 | \$ - | \$ 200,000 |
| LHSIP grant award | \$ - | \$ - | \$ 400,000 | \$ - | \$ 75,000 | \$ 475,000 |
| Infrastructure & Equipment Fund | \$ 987,000 | \$ - | \$ 635,000 | \$ - | \$ - | \$ 1,622,000 |
| Other Funding Sources | | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Annual Revenue Estimate | \$ 2,232,000 | \$ 5,104,000 | \$ 2,180,000 | \$ 1,245,000 | \$ 1,220,000 | \$ 11,981,000 |
| Remaining Cash Flow | \$ 653 | \$ 290,000 | \$ (290,000) | \$ 285,000 | \$ (285,000) | |
| CIP Carry-Over | \$ 653 | \$ 290,653 | \$ 653 | \$ 285,653 | \$ 653 | |