Spokane County Transportation Commission Update

CHAD W. COLES, PE
COUNTY ENGINEER
Spokane County operates and maintains the largest County road system in the State that serves a unique mix of rural and urban environments. The Commission will hear about these differences, the issues that are associated and the strategies the County is using to address them.
Our Mission & Values

The Mission of Spokane County Public Works is to provide our citizens and the traveling public with safe and maintained roads, bridges and stormwater facilities through efficient and quality Operations, Construction, Engineering and Planning services.

- Service
- Accountability
- Innovation
- Communication
- Integrity
- Respect
- Safety
Spokane County

Areas
Topography
Weather
Population

Total  523,000
Unincorporated  148,000
### Scope of the Task

<table>
<thead>
<tr>
<th>Roadway Miles</th>
<th>Bridges</th>
<th>Signs &amp; Signals</th>
<th>Maintenance Facilities</th>
<th>Stormwater Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 2529 TOTAL</td>
<td>• 166 TOTAL</td>
<td>• Signs</td>
<td>• Four Districts</td>
<td>• 1310 swales</td>
</tr>
<tr>
<td>• 1399 PAVED</td>
<td>• 41 Short Spans</td>
<td>• Spokane Co.-35,823</td>
<td>• Five Main Shops</td>
<td>[including 3 large</td>
</tr>
<tr>
<td>• 1130 UNPAVED</td>
<td>• 125 NBI Bridges</td>
<td>• Spokane Valley-18,836</td>
<td>• Two Seasonal Shops</td>
<td>regional facilities]</td>
</tr>
<tr>
<td>• Arterials &amp; Local</td>
<td>(eligible for federal funds)</td>
<td>• Signals</td>
<td>• Major equipment</td>
<td>• 4281 drywells</td>
</tr>
<tr>
<td>• 791 Arterial miles</td>
<td></td>
<td>• Spokane Co.-14</td>
<td>includes:</td>
<td>• 2764 catch basins</td>
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<tr>
<td></td>
<td></td>
<td>• Spokane Valley-77</td>
<td>• Trucks-108</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Liberty Lake-3</td>
<td>• Graders-47</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Millwood-3</td>
<td>• Sweepers-18</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Loaders-13</td>
<td></td>
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<td></td>
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<td></td>
<td>• Vactors-5</td>
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REVENUES

2021 TOTAL PUBLIC WORKS BUDGET
$67,428,432

- Gas Tax/County Road Arterial Program, $10,232,249, 15%
- State and Federal Grants, $23,537,978, 35%
- Property Taxes, $27,216,155, 40%
- Miscellaneous (Fees, Permits, Interest, Other), $6,712,050, 10%

Reflects Board Action keeping rates at 2020 level
EXPENDITURES

2021 TOTAL PUBLIC WORKS BUDGET
$72,444,350

- Capital Projects, $28,933,618, 40%
- Capital Facilities and Fleet, $2,513,440, 3%
- Maintenance, Preservation and Operations, $23,902,253, 33%
- Operating Contingency, $2,000,000, 3%
- Public Services Administration, $9,740,000, 13%
- County Services (Cost Allocation, Insurance, CTR, IT, other), $3,556,573, 5%
- Debt, $1,798,466, 3%
MAINTENANCE CREWS

• CRACK SEAL:
  • 180 lane miles completed. Approx. 65 lane miles left. Crew will work until end of October.

• CHIP SEAL:
  • 130 lane miles completed. Work also included constructing a BST road for a CTB project.

• OVERLAY:
  • 44 lane miles planned. Crew will be working as late as possible into the Fall.

• PR&R:
  • Crew used new equipment (Asphalt Zipper). Did both dig out patches and overlays. Crew will finish this week.

• HERBICIDE:
  • The Bareground program (paved roads only) ran 2 months and the Broadleaf / Noxious Weed Program ran 4 months (Main/secondary arterials, both paved and gravel roadways).
  • 3 employees licensed through State of WA to apply chemicals.

• STORMVAC: 900 facilities completed (mostly catch basins)
2022 Capital Projects

1. Belle Terre Preservation
2. Bigelow Gulch/Forker Rd Project
3. Brooks Rd At-Grade Railroad Crossing
4. Columbia Dr Project
5. Country Homes Blvd - Preservation
6. Craig Rd/Thorpe Rd Intersection
7. Elk-Chatanary Rd Preservation
8. Euclid Rd Bridge # 1507
9. Hastings Rd Channelization Safety Project
10. Lincoln Rd Reconstruction Project
11. Marshall Rd Bridge # 2401
12. Sunset Highway Bridge # 0514
13. Wellesley Ave At-Grade Railroad Crossing

Projects Not Shown on Map:
2019 Curve Signing Safety Project
2019 Stop Sign Safety Grant Project
2021 Curve Signing Safety Project
Significant Metrics

Bridges (166)
15 Weight Restricted
1 Closed

Pavement Condition
Arterials (717 miles)
85.5% Excellent/Good
6.2% At Risk
8.3% Failed
Local Access (672 miles)
45.9% Excellent/Good
23.4% At Risk
30.8% Failed

Collision Totals (2019)
Fatal 5
Injury 204
Damage 437

Miles of Gravel Roads
ADT over 250 = 57.4
ADT over 400 = 17.6
Issues and Strategies

Issues
- Deteriorating Pavement
- Number of Roadways
- Utilization of Roads
- Declining Revenue

Strategies
- Arterial Focus/Best First
- Encourage Private Road Development
- Gravel Road Stabilization Pilot Project
- Focus Investments
Thank You!