1. **Call to Order**

   The Honorable Paul Livingston, Chair
   Richland County Council

2. **Comprehensive Road Maintenance**

3. **Adjournment**
COMPREHENSIVE ROAD MAINTENANCE

Department of Public Works
AGENDA

1. Past meetings
2. Funding briefing
3. Purpose of plan
4. Process development
5. County Road Maint. System
6. Map of missing ROW
7. Maintenance plan elements
8. Capital plan
9. Preventative maintenance
10. Council approval
11. Schedule
## Prior Meetings

<table>
<thead>
<tr>
<th>DATE</th>
<th>MEETING</th>
<th>SUBJECT OF MEETING</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/26/2018</td>
<td>Committee Meeting</td>
<td>Using Public Funds on Private Road</td>
</tr>
<tr>
<td>10/16/2018</td>
<td>Council Work Session</td>
<td>Private Road Repairs</td>
</tr>
<tr>
<td>10/23/2018</td>
<td>ECT Meeting</td>
<td>Private Road Repairs</td>
</tr>
<tr>
<td>1/24/2019</td>
<td>Council Retreat</td>
<td>Using Public funds to make improve. to Private Roads</td>
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<tr>
<td>6/25/2019</td>
<td>A&amp;F Committee</td>
<td>Department of Public Works – Private Road Takeover</td>
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<tr>
<td>4/21/2020</td>
<td>Council Meeting</td>
<td>Comprehensive Road Maintenance Program</td>
</tr>
<tr>
<td>5/4/2020</td>
<td>Council Work Session</td>
<td>Comprehensive Road Maintenance Program</td>
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</table>
ROAD PROJECT FUNDING

• Outside sources used to fund capital maintenance projects
  
  • CTC C-Fund from Gas Tax
    • Approximately $3 million per year available for County and local communities
  
  • Road Maintenance Fund from the Vehicle Registration Tax
    • $500,000 to $1 million per year
COMPREHENSIVE ROAD MAINTENANCE PLAN

• Challenge
  • 592 miles of paved roads
  • 213 miles of unpaved roads
  • Assuming responsibility for “abandoned” roads;
  • Adding about 7 to 8 miles of roads from new development each year

• Proposed Solution
  • Employ a 5-year rolling capital plan; 30-year pavement plan using available best practices
  • Annual approval by Council on projects for the following year
  • Inform the public of pending projects within their communities and when
Begin ROW Acquisition

• This may be a multi-year process to complete

Develop Plan Elements

• Pavement evaluation

Prepare Capital Maintenance Plan

• Map projects over 30 years
• Fair distribution of projects throughout districts

Council Consideration

• Execute the plan
STEP ONE

• Ensure Roads are in the County Road Maintenance System or are approved as County right-of-way
  • Approval by Council for ROW acquisition ✓
  • Coordinate with the County Attorney’s office to obtain developer funding
  • Prepare legal descriptions and recordable documents
  • Execute documents with current property owner
  • Record documents with the Register of Deeds
  • Begin basic road maintenance as each road is brought into the system
Why bring in Abandoned Roads?

1. We need it to perform maintenance for the public
2. We need jurisdiction for C-funds
3. It will take multiple years to obtain the ROW
STEP TWO

• Develop the Comprehensive Maintenance Plan elements
  • Hire a consultant for conditions evaluation
    • $100,000 for paving rating of 600 miles
  • Identify the maintenance techniques for each road rating
  • Establish ground rules for maintenance item inclusion in the plan
  • Use a prioritization methodology**
STEP TWO CONTINUED

• County-wide project distribution per Ordinance 21-21 (b)
  • Road resurfacing funds, for the resurfacing of existing paved roads, will be distributed by county council district based on that district's portion of total county paved road mileage. Pro rata fund distribution will be calculated as follows:
    • District paved road paving funds = Total paved road resurfacing funds \times \frac{district paved road mileage}{total paved road mileage}
  • Mileage refers to paved road mileage in the county road maintenance system (i.e. public paved roads that are routinely maintained by county public works forces). Roads will be selected for paving based on distribution/ availability of funds and priority within that council district, as determined by the condition analysis as maintained by public works.
# Example Funding Distribution

<table>
<thead>
<tr>
<th>District</th>
<th>Mileage</th>
<th>Ratio % of Funds</th>
<th>Annual Available Funding</th>
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</thead>
<tbody>
<tr>
<td>One</td>
<td>112.9</td>
<td>18.6%</td>
<td>$745,584</td>
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<tr>
<td>Two</td>
<td>67.9</td>
<td>11.2%</td>
<td>$448,407</td>
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<tr>
<td>Three</td>
<td>23.3</td>
<td>3.8%</td>
<td>$153,872</td>
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<tr>
<td>Four</td>
<td>4.3</td>
<td>0.7%</td>
<td>$28,397</td>
</tr>
<tr>
<td>Five</td>
<td>1.6</td>
<td>0.3%</td>
<td>$10,566</td>
</tr>
<tr>
<td>Six</td>
<td>3.0</td>
<td>0.5%</td>
<td>$19,812</td>
</tr>
<tr>
<td>Seven</td>
<td>91.7</td>
<td>15.1%</td>
<td>$605,580</td>
</tr>
<tr>
<td>Eight</td>
<td>92.7</td>
<td>15.3%</td>
<td>$612,184</td>
</tr>
<tr>
<td>Nine</td>
<td>123.8</td>
<td>20.4%</td>
<td>$817,566</td>
</tr>
<tr>
<td>Ten</td>
<td>30.8</td>
<td>5.1%</td>
<td>$203,401</td>
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<tr>
<td>Eleven</td>
<td>53.7</td>
<td>8.9%</td>
<td>$354,631</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>$4,000,000</strong></td>
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STEP THREE

• Prepare the Capital Maintenance Plan on a County-wide map
  • Projects are set in years based on the plan to assist with prioritization well in advance
  • Identify funding requirements
    • Annual cost to maintain roads in a good rating
      • Asset: 600 miles of paved roads must be replaced every 30 years
      • 600 miles at $250,000 per mile = $150,000,000 every 30 years; $5,000,000 per year to replace pavement
    • Sources identify $4,000,000 per year possible. Extend pavement life with Preventative Maintenance combined with Pavement Replacement.
  • Briefing on preventative maintenance
Example District Projects – 10 Years Shown

STEP THREE
STEP FOUR

• Council Approval
  • Share plan with stakeholders
  • Use the plan to lead budgeting
  • Use the plan for funding and grant applications
  • Inform the public
## Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Start Date</th>
<th>Finish Date</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
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<tbody>
<tr>
<td>STEP ONE - OBTAIN ROW</td>
<td>May-20</td>
<td>Nov-22</td>
<td>X</td>
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<td>STEP TWO - PLAN ELEMENTS</td>
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<td>STEP TWO - RATE ROADS</td>
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<td>STEP THREE - CAPITAL PLAN</td>
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<td>STEP FOUR - APPROVAL</td>
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<td>Projects Submittal to CTC</td>
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PURSUE FUNDING

• Capital Project Request for 2020/2021 (roads)
  • $1,300,000; $952,000
  • Continue to promote projects to address safety concerns with CTC funding
    • Maximize County road re-surfacing
  • What we need for funding will grow with construction cost and with new development