



Richland County Council

WORK SESSION

May 4, 2020 – 2:00 PM
2020 Hampton Street, Columbia, SC 29204

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

<u>DATE</u>	<u>MEETING</u>	<u>SUBJECT OF MEETING</u>
• 6/26/2018	Committee Meeting	Using Public Funds on Private Road
• 10/16/2018	Council Work Session	Private Road Repairs
• 10/23/2018	ECT Meeting	Private Road Repairs
• 1/24/2019	Council Retreat	Using Public funds to make improve. to Private Roads
• 6/25/2019	A&F Committee	Department of Public Works – Private Road Takeover
• 9/17/2019	Special Called Council Mtg.	Prelim. Recommendations for Prioritizing Private Roads
• 4/21/2020	Council Meeting	Comprehensive Road Maintenance Program
• 5/4/2020	Council Work Session	Comprehensive Road Maintenance Program



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

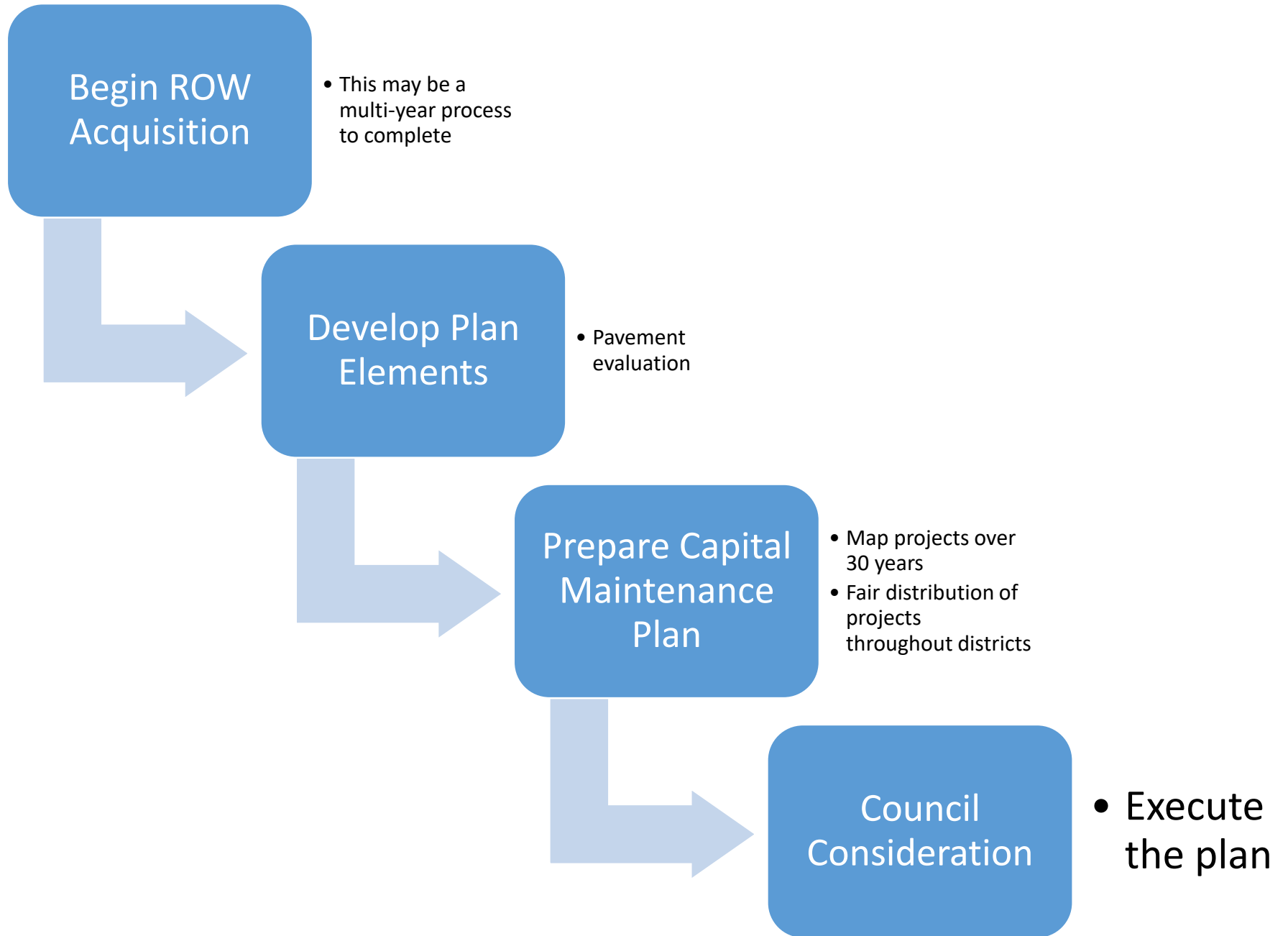


COMPREHENSIVE ROAD MAINTENANCE PLAN

- 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



PROCESS DEVELOPMENT



STEP ONE

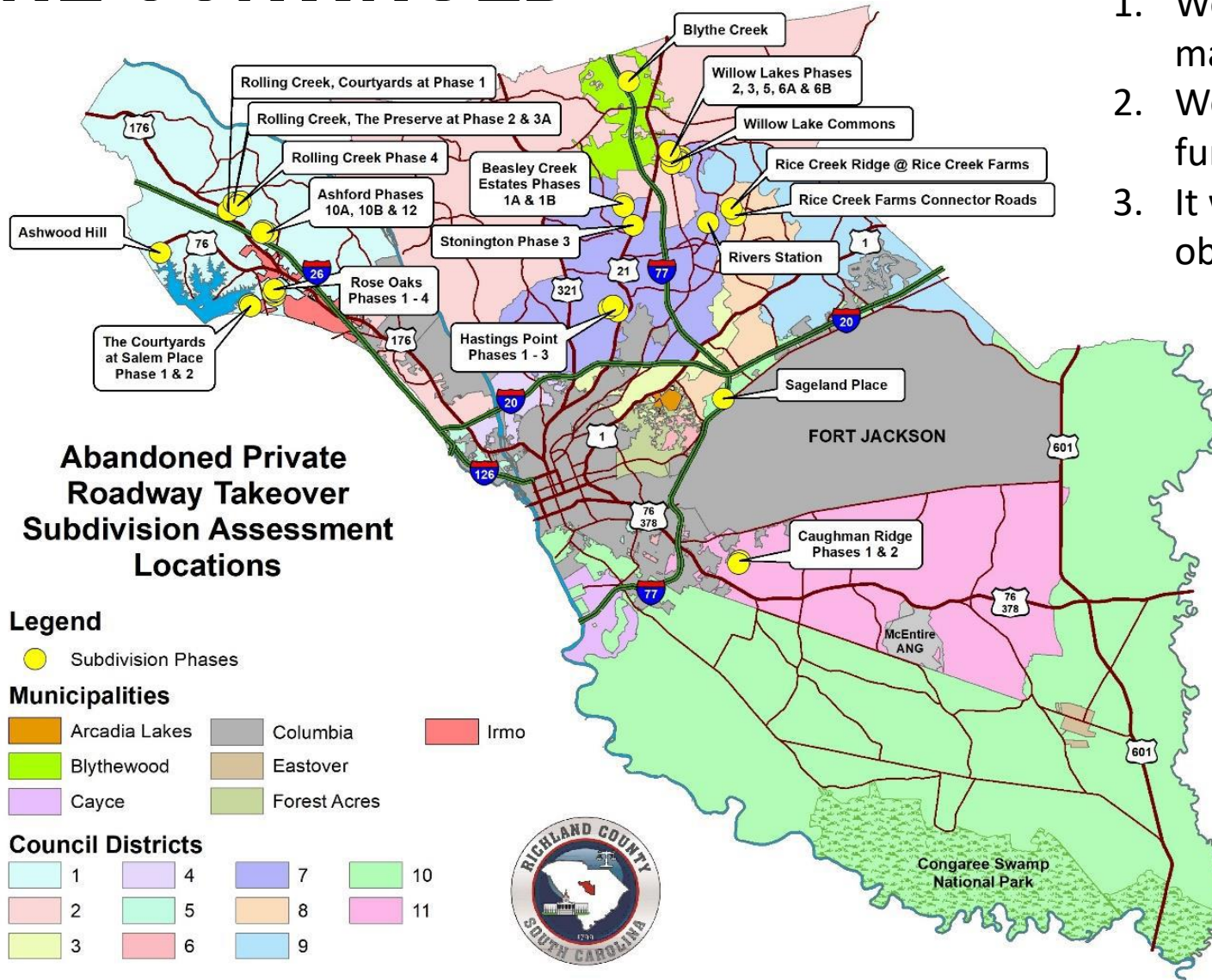
- Ensure Roads are in the County Road Maintenance System or are approved as County right-of-way
 - Approval by Council for ROW acquisition
 - Coordinate with the County Attorney's office to obtain developer funding
 - Prepare legal descriptions and recordable documents
 - Execute documents with current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



STEP ONE CONTINUED

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 x 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.



STEP TWO CONTINUED

Example Funding Distribution

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



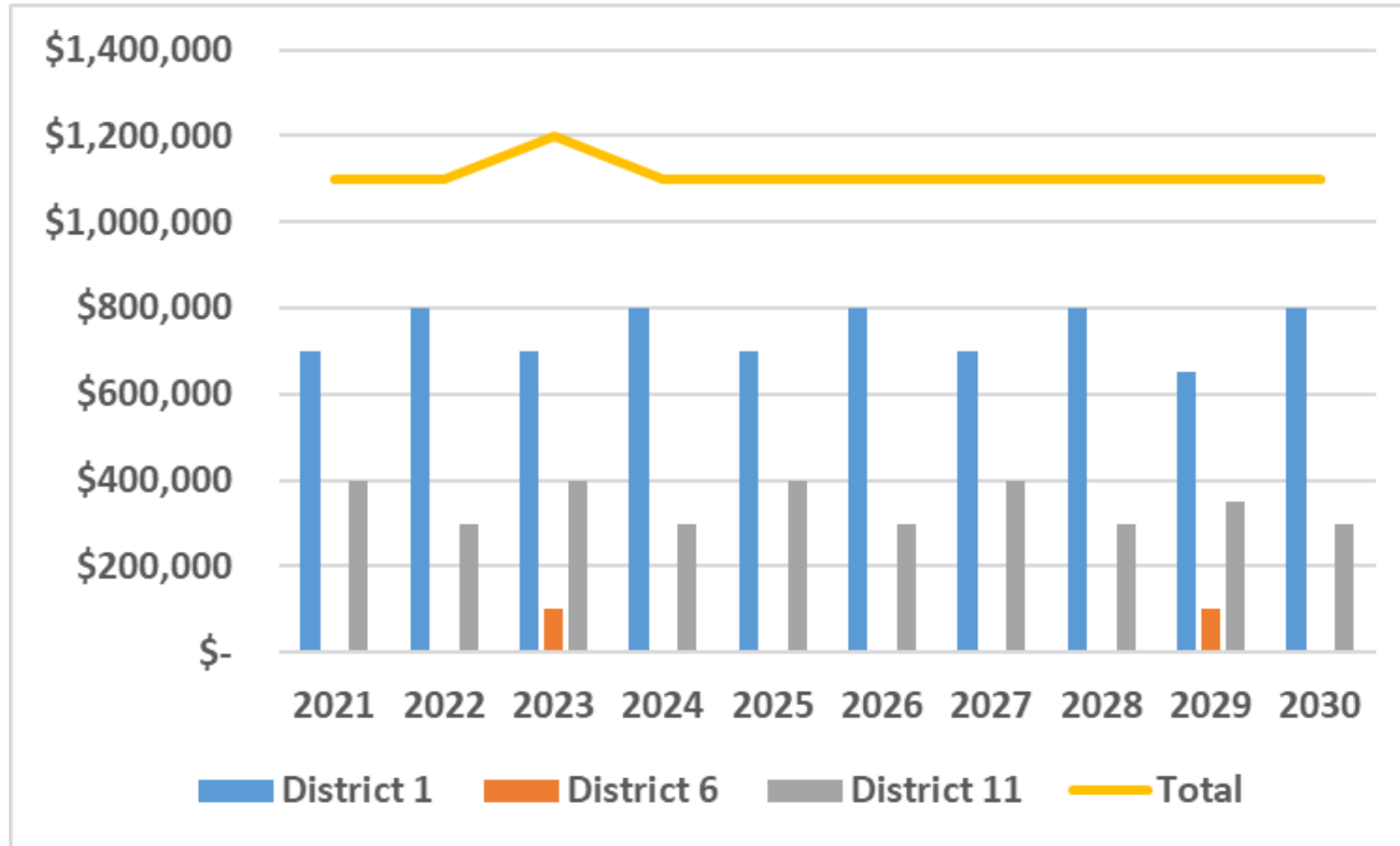
STEP THREE

- 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



STEP THREE

Example District Projects – 10 Years Shown



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

Task	Start Date	Finish Date	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
STEP ONE - OBTAIN ROW	May-20	Nov-22	X	X	X	X	X	X	X	X	X	X
STEP TWO - PLAN ELEMENTS	May-20	Sep-20	X	X			X					
STEP TWO - RATE ROADS	Jun-20	Sep-20		X	X	X	X					
STEP THREE - CAPITAL PLAN	Oct-20	Nov-20						X	X			
STEP FOUR - APPROVAL	Dec-20	Feb-21								X	X	X
Projects Submittal to CTC	Feb-21	>>>										X



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

