

**THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY
COMMISSION AGENDA ITEM**

SUBJECT: CY20 Pavement Maintenance Project - Roadway List Approval and Project Resolution

DATE: ~~January 27, 2020~~ February 26, 2020

BUDGET INFORMATION:

REVENUES	\$ 367,800	FY 20 General Fund Carryforward
	\$ 600,000	FY 21 Requested General Fund Capital Budget
	\$ 7,949,969	SPLOST 2011 Project #26, PMP (All Tiers)
	\$24,705,646	TSPOST 2018 Project #07 (All Tiers)
	\$ 90,000	Public Utilities Capital Funding (Rehab and Replace Water Mains)
	\$ 1,480,259	2020 GDOT LMIG Program
	<u>\$35,193,674</u>	<u>Total Funds Available</u>

EXPENSES:	\$15,781,628	Current Encumbrances and Expenses
	\$ 283,827	Staff Salary & Benefits
	\$ 225,000	Materials Testing and Inspection Services (Designated Funds)
	\$12,495,654	Future Program Funds (All Tiers)
	<u>\$ 173,455</u>	<u>Program Overall Contingency (Designated Funds)</u>
	\$ 6,234,110	Anticipated Available for Construction of CY20 Paving Program

FUNDING SOURCE: General Fund Capital Budget, SPLOST 2011 Project #26, TSPLOST 2018 Project #07, GDOT Local Maintenance and Improvement Grant (LMIG), Public Utilities Capital Funding

COMMISSION ACTION REQUESTED ON: March 3, 2020

PURPOSE:

To request that Mayor and Commission:

- a. Approve the list of roadways and associated maintenance activities recommended for inclusion in the CY20 Pavement Maintenance Project (PMP) as shown in **Attachment #1**; and
- b. Adopt the Project Resolution as shown in **Attachment #2**, authorizing the Mayor and appropriate staff to sign all related contracts, documents, and certifications associated with funding for this project.

HISTORY:

1. In 1997, Transportation and Public Works Department (T&PW) staff implemented a comprehensive Pavement Management Program (PMP) to address maintenance needs of the public roadway system. T&PW staff evaluates and updates the program on an annual basis.
2. On November 2, 2010, the citizens of Athens-Clarke County approved the SPLOST 2011 Program, which included funding for the Pavement Maintenance Project as part of the Road & Bridge Improvements Program.
3. On November 1, 2011, Mayor and Commission (M&C) approved the initial SPLOST 2011 Program Implementation Schedule identifying the annual PMP funding from SPLOST 2011 Project #26 to be used in conjunction with annual appropriations from the ACCGov General Fund and Georgia Department of Transportation (GDOT).
4. On November 7, 2017, the citizens of Athens-Clarke County approved the TSPLOST 2018 Program, which included funding for Pavement Rehabilitation.
5. On December 5, 2017, M&C approved the initial TSPLOST 2018 Program Implementation Schedule identifying the annual PMP funding from TSPLOST 2018 Project #07 to be used in conjunction with other sources.
6. On April 2, 2019, M&C approved renewal of the existing contract with Pittman Construction Company, Inc. for the CY19 PMP project which included the rehabilitation of 85 roadway segments (54 lane-miles) and regular preventative maintenance on 33 roadway segments (25 lane-miles).
7. On December 3, 2019, M&C authorized T&PW staff to apply for Local Maintenance Improvement Grant (LMIG) funding available through GDOT to be used towards the CY19 PMP project. Using GDOT's grant formula for municipalities based on population and centerline road miles, \$1,480,259 in LMIG funds would be available for ACCGOV transportation projects.
8. On February 24, 2020, the SPLOST Citizens Oversight Committee and the TSPLOST Citizens Oversight Committee reviewed and confirmed that the Project Concept for CY20 Pavement Maintenance Program – Roadway List, and Project Resolution, is consistent with the Initial Project Statement for SPLOST 2011, Project #26 and for TSPLOST Project #07.

FACTS & ISSUES:

1. Pavement maintenance activities require temperatures of at least 45 degrees and rising. Therefore, paving typically takes place between the months of March and October. To match this paving season, T&PW staff began to group the delivery of paving projects into calendar year (CY) rather than fiscal year (FY).
2. The annual Pavement Management Program consists of three main elements:

- a. Inventory and evaluation of local roads: On an annual basis, Engineering Division staff inspect and evaluate the condition of arterial, collector, and residential roadways under the jurisdiction of ACCGov. The inspection and condition evaluation is used to define the general condition of each road.
 - b. Pavement maintenance activity selection: Based on roadway conditions, Engineering Division staff determine the appropriate maintenance strategy needed for each road, estimates the quantity and cost of such work, and prioritizes the roadways based on their condition and available funds.
 - c. Annual project development: Engineering Division staff develop the annual project list and maintenance activities based on the estimated available budget and roadway conditions.
3. Based on annual inspections, current pavement conditions, anticipated budget, and projected contract prices, the following activities are included in the CY20 PMP:

- a. **Preventive Maintenance** will be performed on 44 roadway segments totaling approximately 42.08 lane-miles of roadway at an estimated cost of \$454,000, as shown in **Attachment #1**.

Preventive maintenance activities are designed to preserve existing asphalt pavements and arrest deterioration before it becomes more serious and costly to repair. The effect of timely preventive maintenance is the extension of the life of roadway pavements, thereby delaying resurfacing and/or reconstruction for several years. Preventive Maintenance activities include one or more of the following treatments: crack seal, chip seal, and patching/repair of high severity potholes, corrugation, and rutting.

- b. **Rehabilitation** will be performed on ~~99~~ **100** roadway segments totaling approximately ~~76.55~~ **76.20** lane-miles of roadway at an estimated cost of \$5,780,110 as shown in **Attachment #1**.

Rehabilitation activities typically include one or more of the following preparatory treatments followed by a structural asphalt overlay (commonly referred to as resurfacing): crack seal, chip seal, full-depth patch, milling and inlay, gutter milling, crack preventive layer, leveling, and full depth replacement. In addition to Shoulder buildup for rural roadways.

- 4. The pavement maintenance contract for the project typically allows for additions and deletions of work to provide contract flexibility and to meet program objectives. Any road appearing on this list that is not completed due to budget constraints or other reasons will be carried over and reconsidered as part of CY21 PMP project.
- 5. Based on observed pavement deterioration, T&PW's goal and industry standard sets a resurfacing frequency of 10 years for arterials, 15 years for collectors, and 20 years for local roads. This equates to resurfacing 75 lane-miles annually for a weighted frequency of about 17

years as opposed to the current 50-year cycle based on current funding. T&PW staff estimates that the annual PMP funding would need to be approximately \$8 million to achieve the recommended frequency.

6. Because of the overlapping scope of work, T&PW and the Public Utilities Department (PUD) have been consistently coordinating to minimize conflicting improvement. Resurfacing schedules of South Lumpkin Street, Booker Street, Herring St, Hillside Street, Greenwood Drive and Virginia Ave have all been modified to coordinate activities between the departments.
7. A project resolution authorizing the Mayor and appropriate staff to execute all contracts, documents, and certifications related to this project is provided in **Attachment #2**.
8. T&PW staff anticipates using a private contractor to complete the CY20 PMP contract. Therefore, if the Mayor and Commission approve the recommendations, staff will work with the Purchasing Division to solicit bids and award a contract for this project. Given the expected value of the construction contract, the bids will be brought before the Mayor and Commission for award consideration as part of the upcoming March/April agenda cycle.
- ~~9. On February 24, 2020, the SPLOST Citizens Oversight Committee and the TSPLOST Citizens Oversight Committee will review and consider that the Project Concept for CY20 Pavement Maintenance Program—Roadway List, and Project Resolution, is consistent with the Initial Project Statement for SPLOST 2011, Project #26 and for TSPLOST Project #07.~~
10. These recommendations support the following FY20 Mayor and Commission Strategic Commitments:
 - Transportation, Mobility, and Connectivity

OPTIONS:

1. The Mayor and Commission:
 - a. Approve the list of roadways and associated maintenance activities recommended for the CY20 Pavement Maintenance Program (PMP) project, as shown in **Attachment #1**;
 - b. Adopt the Project Resolution as shown in **Attachment #2**, authorizing the Mayor and appropriate staff to sign all related contracts, documents, and certifications associated with funding for this project.
2. Mayor and Commission do not approve the CY20 PMP Project.
3. Mayor and Commission defined option.

DEPARTMENT RECOMMENDED ACTION: Option #1 and b

DEPARTMENT: Transportation & Public Works

Prepared by: Jason Mize, Pavement Management Coordinator

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Stephen Bailey, Assistant Director



Frank Stephens, P.E.
Interim Director

January 28, 2020

Date:

ADMINISTRATIVE COMMENTS:

ADMINISTRATIVE RECOMMENDATION: Option #1 and b
DL



Manager

February 14, 2020

Date:

ATTACHMENTS:

Attachment #1: CY20 PMP Street List

Attachment #2: CY20 Resolution