COUNTY AGENDA REQUEST

Department:	Water System	Presenter(s):	Water System Director Lee Pope
Meeting Date:	Thursday, February 12, 2015	Type of Request:	Consent

Wording for the Agenda:

Approval of the Water Committee's recommendation to approve funding, in the amount of $1,300,000, for the State Route 54 East waterline relocation due to the Department of Transportation's road widening project.

Background/History/Details:

The Georgia Department of Transportation has notified Fayette County of its plans to widen State Route 54 East from McDonough Road to Tara Boulevard. This widening project will require Fayette County to move its waterlines along the State Route 54 Right-of-Way from McDonough Road to the Fayette County / Clayton County border. The estimated cost for this project, based on the current waterline extension vendor's pricing, is $1,300,000. The estimated cost is an aggregate of the base $1,172,285 cost for the project plus 11% for unforeseen situations that may arise. Examples of unforeseen situations include rocks, unsuitable soils, and/or stormwater or utility conflicts.

The widening project is currently scheduled for the February 2015 Letting.

What action are you seeking from the Board of Commissioners?

Approval of the Water Committee's recommendation to allocate $1,300,000 from the Water System Renewal and Extension Fund and create a Capital Project for the State Route 54 East waterline relocation project.

If this item requires funding, please describe:

Funding is available from the Water System Renewal and Extension Fund for this Capital Project.

Has this request been considered within the past two years?	No	If so, when?	
Is Audio-Visual Equipment Required for this Request?*		Backup Provided with Request?	Yes

**** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.***

Approved by Finance	Yes	Reviewed by Legal	
Approved by Purchasing	Not Applicable	County Clerk's Approval	Yes
Administrator's Approval			

Staff Notes:

The establishment of the Capital Project for the State Route 54 East waterline relocation project will satisfy GDOT's request that funding is available and allow this project to be included in their proposed February bid letting.

FINAL FIELD PLAN REVIEW INSPECTION REPORT

PI No.: 721440-, Clayton & Fayette County
PROJECT NUMBER: STP00-0164-01(029)

Widening – SR 54 from McDonough Rd/Fayette NE to SR 3/US 41/Clayton

INSPECTION DATE: October 1 & 2, 2014
REPORT DATE: October 6, 2014

This inspection was requested by Albert V. Shelby, III, State Program Delivery Engineer. The Project Manager is Merishia Robinson.

The plans were prepared by the Office of Roadway Design.

The report was prepared by Michelle Pate, Design Review Engineer II, and accepted by Lisa L. Myers, State Project Review Engineer, Office of Engineering Services.

The NEPA document was approved on May 2, 2011.

This report is being distributed via E-mail.

The Inspection Plans were reviewed in the College Park Area Engineer's office prior to the site inspection.

The PFPR was conducted October 1, 2009 and responses received November 2, 2009. The complete FFPR submittal package was received by the Office of Engineering Services on September 3, 2014. This project is currently scheduled for the February 2015 Letting.

All comments marked with an arrow symbol (⇒) should be addressed with a written response by the Project Manager. As per Plan Development Process, responses to all comments will be written in complete sentences and will clearly state the action taken to address the comment. If a comment requests a specific action and the Project Manager determines that no action or a different action will be taken, the response should clearly explain the Project Manager's decision. All responses shall be submitted in Word format (a pdf of the document will not be accepted.)

Projects Let to construction after July 1, 2013 will require the use of the 2011 AASHTO "GREEN BOOK", GDOT Design Manual, 2011 Roadside Design Guide, 2012 Guide for the Development of Bicycle Facilities and the 2001 Georgia Standard Specifications. Projects Let to Construction after October 2013 will require the use of the 2013 Georgia Standard Specifications. Please revise all notes that make reference to previous GDOT Design Manuals and Specifications. Any substandard features that cannot be complied with due to project restraints will require the submission of a design exception/variance to the State Design Policy and Support Engineer.

PROJECT DESCRIPTION

The proposed project consists of the widening of SR 54 (Fayetteville Road) from just north of McDonough Road in Fayette County to US 19/41/SR 3/Tara Boulevard in Clayton County. The existing two-lane will be widened to a 4-lane roadway with a 24 –foot raised median and 4-foot bike lanes. Curb and gutter will be provided on both sides of the roadway with a 5-foot sidewalk on each side of the roadway. Curb cuts will be provided at all existing driveways. The existing bridges over Morning Creek, Camp Creek, and Flint River will be widened. The proposed roadway construction will follow the alignment of the existing roadway for the majority of the project. To correct substandard horizontal curves, approximately 0.43 miles of roadway will be relocated approximately 300 feet to the south approaching US 19/41/SR 3/Tara Boulevard. The roadway will remain open to traffic during construction. The total project length is approximately 5.367 miles. The project has a management let date of February 2015.

Cost Estimate for Hwy 54 East WL Relocation

				Hwy 54 East WL Relocation	
	Description	Quantity	Units	Unit	Total
1	Mobilization	1	EA	$2,000.00	$2,000.00
2	24" Ductile Iron Pipe	300	LF	$125.00	$37,500.00
3	10" Ductile Iron Pipe	8500	LF	$32.00	$272,000.00
4	8" Ductile Iron Pipe	2800	LF	$26.00	$72,800.00
5	Ductile Iron Fittings	5	TN	$7,000.00	$35,000.00
6	Fire Hydrant Assembly	17	EA	$2,900.00	$49,300.00
7	16" Steel Casing - B&J	400	LF	$220.00	$88,000.00
8	14" Steel Casing - B&J	600	LF	$200.00	$120,000.00
9	10" Gate valve	17	EA	$1,700.00	$28,900.00
10	8" Gate valve	10	EA	$1,200.00	$12,000.00
11	Clearing	5	AC	$1,400.00	$7,000.00
12	Ditch Check Dams	100	EA	$50.00	$5,000.00
13	Mulch Mat slope protection	9000	SY	$1.75	$15,750.00
14	Silt Fence	10000	LF	$3.00	$30,000.00
15	Concrete thrust blocking	50	CY	$160.00	$8,000.00
16	Short side service tie-in	5	EA	$550.00	$2,750.00
17	Longside service tie-in	8	EA	$900.00	$7,200.00
16	Backhoe	112	HR	$105.00	$11,760.00
17	Rubber tire loader	112	HR	$85.00	$9,520.00
18	5-man crew	80	HR	$165.00	$13,200.00
19	3-man crew	22	HR	$99.00	$2,178.00
20	Bridge Crossing	240	LF	$500.00	$120,000.00
21	Grassing	7	AC	$3,500.00	$24,500.00
22	Water Meters	20	EA	$500.00	$10,000.00
23	Valve Markers	27	EA	$200.00	$5,400.00
24	Unsuitable Materials	500	CY	$20.00	$10,000.00
25	2" Steel Casing (services)	1500	LF	$5.00	$7,500.00
26	Removal of existing WL	11000	LF	$15.00	$165,000.00
				Sub-Total:	$1,172,258.00
				Misc & Contingency 10%+/-:	$127,742.00
				Total:	**$1,300,000.00**