



City Council Work Session Agenda

**November 25, 2013
7:00 P.M.**

Call to order in the Multipurpose Room, Central Services Complex

- I. Review and discussion of Bicycle/Pedestrian Plan and implementation of related Capital Projects list, and proposed next steps, by Mark S. Watson, Gary M. Cinder, Steven R. Byrd.
- II. Review of Extreme Energy Makeover Project being considered by TVA and the City of Oak Ridge by Mark S. Watson.
- III. Discussion of proposed City Council meeting calendar for 2014 by Diana Stanley.
- IV. Status report and discussion by City Council on Boards and Commissions selections/applicant process.
- V. Updates
 1. EQAB By-law Changes
 2. Report on City Council Issues ("parking lot")

PUBLIC WORKS MEMORANDUM
13-18

DATE: July 29, 2013
TO: Mark S. Watson, City Manager
FROM: Steven R. Byrd, P.E., City Engineer
THROUGH: Gary M. Cinder, P.E., Director of Public Works
SUBJECT: **Transportation Enhancement Projects Update**

The enclosed Attachment 1 summarizes completed transportation enhancement projects that are funded from the Special Programs Fund. Resolution 4-30-11 authorized approval of expenditures from the Special Programs Fund for transportation enhancement projects for traffic capacity/safety, school crossing, and bicycle/pedestrian safety. Projects are selected from the transportation enhancement project list that was presented to Council at the January 24, 2011 work session (Attachments 2A and 2B) or from the Oak Ridge Bicycle and Pedestrian Plan for identified spot and corridor locations (Attachment 3A, 3B and 3C) approved by Council in April 2011 by Resolution 4-27-11.

To date a total estimated cost of \$348,108 has been spent from the Special Programs Fund for six contracted projects as listed in Attachment 1. Some pictures are enclosed showing elements of completed projects.

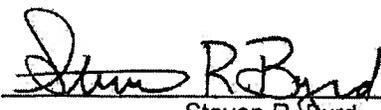
A total estimated cost of \$853,000 is proposed to be funded by the Special Programs Fund for five new projects as listed below.

1. Pedestrian safety improvements at eight Oak Ridge Turnpike intersections and three other residential intersections that includes new and/or upgraded traffic/pedestrian signals, pavement markings, signs, sidewalks and handicap ramps. Project is designed and ready for bid. (\$370,000).
2. Parking lot reconstruction on north side of Broadway Avenue opposite Jackson Square to include design and construction of additional parking spaces, accessible pedestrian ADA ramps to replace steps and converting overhead to underground utilities. (\$215,000).
3. Construction of new sidewalks on the south side of Oak Ridge Turnpike from Tulane Avenue to Rutgers Avenue, at Katie Hunter soccer field and at Palisades Boulevard/Melton Lake Drive intersection. Project is designed and ready for bid. (\$235,000).
4. Installation of Pedestrian Crossing LED Warning Lights on Emory Valley Road at Emory Valley Center (\$25,000). Project is expected to be designed and constructed in-house.
5. Functional design and cost estimate for a round-about at the Providence Road/North Tulane Avenue/Pennsylvania Avenue/East Pasadena Road intersection (\$8,000).

With completion of the five proposed projects, 10 of the 13 projects identified in the transportation enhancement list will be completed and 19 of the 24 projects identified in the Bicycle and Pedestrian Plan for spot locations will be completed and two (with portions of two more) of the 18 corridor projects will be completed. It is noted that there is some overlap in projects between the Bicycle and Pedestrian Plan projects and the Enhancement projects.

Staff will continue to seek input from the Park and Recreation Board and the Traffic Safety Advisory Board on all future projects pertaining to enhancement projects.

Funds are available in the Special Programs Fund for the four proposed projects.



Steven R. Byrd

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Enclosures

ATTACHMENT 1

Oak Ridge Transportation Enhancement Completed Projects- Funding Source - Special Programs Fund			
Projects/Location	Description	Justification	Total Cost & Date Completed
Rumble Strips - Emory Valley Road	eight-inch rumble strips between road and greenway trail	Oak Ridge Bicycle and Pedestrian Plan - improve bicycle/pedestrian safety	\$3,700 - October 2011
Pedestrian Crosswalk Improvements - various locations citywide	crosswalk markings at intersections and mid-block locations on seven streets	Oak Ridge Bicycle and Pedestrian Plan - improve bicycle/pedestrian safety	\$24,750 - November 2011
Bike Route Signage - east-west route on multiple streets	along multiple local streets from Jefferson Ave. to Melton Lake Dr.	Oak Ridge Bicycle and Pedestrian Plan - improve bicycle safety	\$13,027 - December 2011
Sidewalk and Pedestrian Crosswalk Improvements - Illinois Avenue, Jefferson Avenue, and Rutgers Avenue	sidewalks, pavement markings and ped signals, ORT/Illinois Avenue geometric improvements	Oak Ridge Bicycle and Pedestrian Plan - improve pedestrian /bicycle safety	\$244,137 - Fall 2012
Melton Lake Drive Pedestrian Crosswalk Improvements - three crossings near marina	LED ped-crossing warning signs with ped push-button detection	Oak Ridge Bicycle and Pedestrian Plan - improve pedestrian/bicycle safety	\$37,594 - Spring 2013
Traffic/Pedestrian Crosswalk Improvements - Oak Ridge Turnpike; engineering design services	traffic/ped signal upgrades, sidewalk, handicap ramps, pavement markings, signs	Oak Ridge Bicycle and Pedestrian Plan - improve traffic/pedestrian safety	\$24,900 - Spring 2013
TOTAL COST OF COMPLETED PROJECTS AS OF JULY 2013 - \$348,108			

MAJOR TRAFFIC/PEDESTRIAN/BICYCLE ENHANCEMENTS (COST GREATER THAN \$50,000)

Project Location	TYPE OF IMPROVEMENTS	JUSTIFICATION	RANKING & APPROXIMATE COST
Oak Ridge Turnpike (SR95) at Illinois Avenue (SR62)	Geometric improvements, concrete islands, ped warning signs, LED lights, pavement markings, detection bollards	Pedestrian safety improvements	High -\$100,000 - \$165,000
Oak Ridge Turnpike (SR95) at Oak Ridge High School Entrance	Possible new traffic signal at three-way intersection, all "red" ped protection	Pedestrian safety & traffic capacity improvements	High -\$100,000 - \$125,000
Melton Lake Drive Ped Crossings at Amanda Drive, Emory Valley Road & Rivers Run Boulevard	Ped beacons, ped LED warning signs, push-button detection and pavement markings	Pedestrian safety	Medium - \$65,000
South Illinois Avenue Sidewalks	Complete missing sidewalk sections between Oak Ridge Turnpike and Lafayette Drive	Pedestrian Safety	Medium - \$50,000
Providence Road/North Tulane Avenue/Pennsylvania Avenue/East Pasadena Road multi-leg Intersection	New round-about - initial engineering services for conceptual design; round-about construction	Traffic capacity and safety; pedestrian safety	Low - \$8,000 conceptual; greater than \$500,000 construction
Melton Lake Drive at Emory Valley Road	New round-about - initial engineering services for conceptual design; round-about construction	Traffic capacity and safety; pedestrian safety	Low - \$8,000 conceptual; greater than \$500,000 construction

NOTE 1: Ranking based on available funds, traffic/pedestrian counts, signal warrants, capacity analysis, vehicle crash history, etc.

NOTE 2: Many locations listed on the Oak Ridge Bicycle Pedestrian Plan

Approved 4/11/11; Resolution No. 4-30-11

MINOR TRAFFIC/PEDESTRIAN/BICYCLE ENHANCEMENTS (COST LESS THAN \$50,000)			
PROJECT LOCATION	TYPE OF IMPROVEMENTS	JUSTIFICATION	RANKING AND APPROXIMATE COST
North Illinois Avenue at Robertsville Road	Add northbound North Illinois Avenue traffic signal protected left-turn phase	Traffic capacity and safety	High - \$5,000
Oak Ridge Turnpike (SR95) at Tyler Road/Administration Road	Pavement marking, new crosswalk, ped signal and ped push-buttons, count down timer	Pedestrian safety	High - \$10,000
Emory Valley Road - Greenway trail	Install 6" wide continuous rumble strip to separate lane from trail	Pedestrian safety/bicycle safety	High - \$4,500
Police enforcement fund	Targeted ped crossing locations	Pedestrian safety	High - \$5,000
Rutgers Avenue at Northwestern Avenue and Manhattan Avenue	Pavement markings, ped signals, ped LED warning signs, ped push-buttons, countdown timer, sidewalks	Pedestrian safety	Medium - \$40,000
Emory Valley Road at Emory Valley Center	Crosswalk, pavement markings, LED warning signs, ped push-button detection, countdown timer, sidewalks	Pedestrian safety	Medium - \$21,000
East-West bicycle route on secondary streets between ORT at Jefferson Ave. to ORT at Melton Lake Drive	Bicycle route signs and pavement markings	Establish east to west continuous bicycle route	Medium - \$15,000

NOTE 1: Ranking based on available funds, traffic/pedestrian counts, vehicle crash history, etc.

NOTE 2: Many locations listed on the Oak Ridge Bicycle Pedestrian Plan

Approved 4/11/11; Resolution No. 4-30-11



September 6, 2013

TO: Prospective Partners

FROM: Matthew Widner, City of Oak Ridge Community Development Dept.

SUBJECT: TVA Project B – Extreme Energy Makeover House Partnership Information

Greetings fellow Oak Ridgers' and Business Community,

As some of you may be aware, the Tennessee Valley Authority (TVA) has entered into a mitigation agreement with the Environmental Protection Agency (EPA) to provide grants totaling \$20 million during the next 5 years in support of the Tennessee Valley Smart Energy Communities initiative. Extreme Energy Makeovers (Project B) will be established for at least two communities of homes or residences located in different climate regions in the Tennessee Valley. Project B will include cost-effective, deep-energy retrofits, maximizing the use of the energy reduction measures and focusing on a whole house approach. The target for Project B will be homes 20 years or older in lower-income communities. The goal of the Extreme Energy Makeover is to achieve a 25 percent energy reduction of the home's energy use. The estimated energy savings is 1,000 MWH/yr at approximately \$10/square foot. It is estimated approximately \$5 million will be awarded to recipients of Project B grants which the City of Oak Ridge hopes to secure. See web link for more information: http://www.tva.gov/environment/epa_mitigation/smart_energy_communities.htm

In an effort to illustrate our commitment and to supplement the City's application for this grant opportunity, we are looking for Oak Ridge based businesses to partnership with to perform an Extreme Energy Makeover on a city owned residential structure located at 115 S. Lansing Rd. Once the energy makeover is complete sometime mid to late November, 2013, our objective is to collect current energy usage data compared to prior energy usage data and capture baseline costs associated with these makeovers. Information gained by this real time project will enhance our grant application and increase our chance for award. If awarded, the citizens and trades/housing industry within the City of Oak Ridge will directly benefit from this Project B retrofit grant in the years to come.

The project house was chosen by the TVA Extreme Energy Makeover Steering Committee and supported by the City Manager, Mark Watson. I am designated as the project manager and point of contact for this coordinated effort. As of today, we have already established partnerships and volunteer resources with: Keith Powell Heating and Cooling, Jeff Lewis Electric, The Pipe Doctor, STRATA G, ADFAC (energy audits), Habitat for Humanity, Pro-Foam, Patterson Appliance and Home Depot. We are still looking for more volunteers, donations and or partnerships for this project. If you would like to be part of this exciting opportunity in what could truly make a difference in our smart energy community, I invite you to contact me as soon as possible so that we may pioneer a more energy efficient future in the City of Oak Ridge.

My office number is: 865-425-3584 and email address is: mwidner@oakridgetn.gov

Thank You!

2014

City of Oak Ridge City Council Meeting Schedule

S	M	T	W	T	F	S	JAN
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5	6	7	8	9	10	11	
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Budget Schedule:
 Regular Meeting including Formal Budget Presentation; May 5
 Public Hearing on Budget and Special Meeting on First Reading of Appropriations Ordinance; May 12
 Second Reading on Appropriations Ordinance; May 27

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NLC Congressional City Conference; Mar 8-12; Marriott Wardman Park, Washington, D.C.
 TML Legislative Conference; Mar 17-18
 Nashville Double Tree

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TML Annual Conference; June 21-24; Chattanooga Convention Center

All regular meetings of the City Council scheduled at 7:00 p.m.
 Note: This calendar is subject to change.

Regular Meeting
 Special Meeting
 Work Session
 Conference

2014

City of Oak Ridge City Council Meeting Schedule (cont'd)

S	M	T	W	T	F	S	JUL
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Regular Meeting
 Special Meeting
 Work Session
 Conference