

Received by: _____

Date: _____

FYs 14-17 TRANSPORTATION IMPROVEMENT PROGRAM GRANT APPLICATION		Infrastructure		
PROJECT NAME	Smyrna Signal Study			
LEAD AGENCY	Town of Smyrna			
PROJECT TYPE	<input checked="" type="checkbox"/> On-Road Improvements <input type="checkbox"/> Off-Road Improvements <input type="checkbox"/> Amenities/ Enhancements			
ROADWAY OR NEAREST INTERSECTION	SR 266, SR 102, SR 41/70S	TERMINI (TO/FROM)	LENGTH (MILES)	
		I-24 at SR 266 to I-24 at SR 102 and 41/70S from SR 266 to SR 102	13.6	
COUNTIES	<input type="checkbox"/> Davidson <input checked="" type="checkbox"/> Rutherford <input type="checkbox"/> Sumner/Robertson <input type="checkbox"/> Williamson/Maury <input type="checkbox"/> Wilson			
BRIEF DESCRIPTION	This is a signal timing study along State routes within the Town of Smyrna			
PROPOSED ELEMENTS		PROJECT HISTORY		
<input type="checkbox"/> Sidewalks <input type="checkbox"/> Curb Ramps <input checked="" type="checkbox"/> Crosswalk <input checked="" type="checkbox"/> Signalization/ Traffic Control <input checked="" type="checkbox"/> Intelligent Transportation System <input checked="" type="checkbox"/> Signage <input type="checkbox"/> Bus/ Transit Stop <input type="checkbox"/> Transit Service <input type="checkbox"/> Transit Capital <input type="checkbox"/> Pedestrian Amenities <input type="checkbox"/> Bicycle Parking (Rack, Locker) <input type="checkbox"/> Shared Lane <input type="checkbox"/> New Greenway <input type="checkbox"/> Greenway Extension <input type="checkbox"/> Greenway Amenities <input type="checkbox"/> Connection to School <input type="checkbox"/> Connection to Transit Stop		<input checked="" type="checkbox"/> Project in TIP ID# <u>2012-47-173</u> <input type="checkbox"/> Not in TIP, LRTP Project ID# _____ <input type="checkbox"/> Existing Project, Not in TIP or Plan <input type="checkbox"/> New Project <input type="checkbox"/> Other: _____		
		GRANT FUNDING SUMMARY (NEW REQUESTS)		
		<i>Fiscal Year</i>	<i>Federal Requested</i>	<i>Match</i>
		2014	\$80,000	\$20,000
2015	\$640,000	\$160,000		
2016	\$	\$		
2017	\$	\$		
Total	\$	\$		
		<i>*Please complete the PROJECT BUDGET WORKSHEET form and include any funding from other sources of revenue.</i>		
AGENCY CONTACT INFORMATION				
Name	Kevin Rigsby	E-mail	kevin.rigsby@townofsmyrna.org	
Title	Town Planner	Phone	615-355-5706	
Department	Planning			
Agency/ Organization	Town of Smyrna			

PROPOSAL NARRATIVE

(Provide no more than 5 pages, responding to each of the following sections)

<p>Section 1. Project Description, Purpose, Need, and Objectives</p>	<p>Please provide a detailed description of the proposed transportation project including its purpose, need, and main objectives. Applicants also must describe the following:</p> <ul style="list-style-type: none"> • Project History • Intended users • Anticipated number of users • Expected scope of work • Major tasks/ activities • Final deliverables / products
<p>Section 2. Benefits to Region and Local Community</p>	<p>Describe how the proposed project will benefit the region and affected local communities. Specifically, consider how the project helps to promote:</p> <ul style="list-style-type: none"> • MPO's four guiding principles • 2035 Plan's policy Initiatives, regional goals, and major objectives • Local neighborhood or community plans
<p>Section 3. Project Deliverables, Schedule, & Milestones</p>	<p>Provide a detailed schedule for the completion of the proposed project. Identify and describe key milestones, major tasks and activities, and the final deliverables/ products. Include a description of how the project will be managed and how progress will be tracked to ensure timely and efficient implementation.</p> <p>Include a description of the lead agency's recent experience in successfully implementing similar projects. This description should include the project or projects that were implemented and sufficient detail to demonstrate the project was successfully completed on time and within budget.</p>
<p>Section 4. Budget Narrative</p>	<p>Provide a descriptive narrative about the funds needed to complete the proposed project or program. Describe the source of matching funds. Applicants must provide documentation to validate that matching funds are secured and available.</p>

Proposal Narrative for Smyrna Signal Study

Submitted by

Kevin Rigsby, AICP

Town of Smyrna

Section 1. Project Description, Purpose, Need, and Objectives

There has never been a coordinated effort for the various traffic signals to be timed to ease congestion in the Town of Smyrna. It has been done on a very limited scale with two signals that are very close together, but not what this proposal envisions. The signal system that is proposed is a signal timing study for the signals on the three State routes within the Town limits of Smyrna to ease the congestion on these thoroughfares. These three routes are SR 266 (Sam Ridley Parkway), SR 102 (Nissan Drive/Lee Victory Parkway), and SR 41/70S (Lowry Street). After the study is complete, the recommendations of the study would be implemented as funding allows in the most cost-effective manner. The intended users are all of the motorists who utilized these routes, including a significant amount of freight users serving Nissan and other major employers. All of these routes carry the most significant surface traffic in the Town. The scope would first include the study and any required environmental work. Implementation could include modification of signal timing, intersection signage and striping improvements, and other improvements that the study might recommend. It is anticipated that the results of the study would indicate the most cost effective work to be performed would be on SR 266 from Interstate 24 to Old Nashville Highway, but the entire area would be studied and implementation could be on any of the named routes. This project is in the current adopted TIP and is being requested to be moved over to the 14-17 TIP.

Section 2. Benefits to Region and Local Community

This project will benefit the region and local community by reducing travel times and improving air quality due to reduced idle time at several major intersections. These benefits are directly in line with the guiding principles of the MPO, specifically #1, #2, and #3. Regional goals that this proposal supports include #1, #2, #4, #5, and #8, and Major Objectives supported include #1 and #9.

Section 3. Project Deliverables, Schedule, & Milestones

It is anticipated that the study will be completed in FY 2014. Implementation would begin within 90 days of study completion, after the most cost-effective means of implementation are determined. The project will be managed by Town staff, including the Town Planner, Director of Public Works, and Engineer-of-Record. The Town of

Smyrna has never managed a project such as this, but the Town has extensive experience in signal maintenance and intersection improvements.

Section 4. Budget Narrative

The funds needed to complete this project are vital to completion of the project. As these routes are all State routes, the Town feels it important that there is State and federal participation. The Town is willing to participate in the study to encourage completion, especially as the Town maintains all of the signals proposed to be studied. This is an effort to improve the efficiency of the investment that has already been made into the existing system instead of adding to that system. Matching funds are programmed in the Town's Capital Improvements Plan. These funds will be provided through either a bond issue or from the operating budget utilizing tax revenues.

CAPITAL IMPROVEMENTS PLAN

Department _____

5 Year

Current

Planned

Planned

Planned

Planned

Streets	Cost	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
COMPUTER ITEMS (UNDER \$4000)	\$12,350	\$3,650	\$2,400		\$1,300	\$5,000
SIDEWALK REHAB	\$600,000	\$100,000	\$100,000	\$150,000	\$150,000	\$100,000
PAVING	\$2,100,000	\$100,000	\$500,000	\$500,000	\$500,000	\$500,000
EQUIPMENT (UNDER \$4000)	\$84,400	\$11,900	\$17,500	\$15,000	\$20,000	\$20,000
WEAKLEY LANE IMPROVEMENTS	\$140,000	\$55,000	\$55,000	\$30,000		
OLD ALMAVILLE ROAD IMPROVEMENT	\$5,250,000	\$0	\$250,000	\$4,000,000	\$1,000,000	
SIGNS	\$65,000	\$5,000	\$25,000	\$25,000	\$10,000	
1/24 TO SR/840 AND COOL SPRINGS STUDY	\$825,000	\$25,000	\$50,000	\$250,000	\$250,000	\$250,000
ROCK SPRINGS ROAD PHASE III	\$7,175,000	\$25,000	\$150,000	\$1,000,000	\$4,000,000	\$2,000,000
ROCKY FORK/1-24 INTERCHANGE	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	
ENON SPRINGS RD WEST EXTENSION	\$7,000,000	\$1,500,000	\$2,750,000	\$2,750,000		
SIGNAL SYNC & TRAFFIC STUDY	\$340,000	\$70,000	\$70,000	\$50,000	\$100,000	\$50,000
JEFFERSON PIKE WIDENING	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$100,000
SIGNAL MORTON & ALMAVILLE RD	\$42,500	\$27,500	\$15,000			\$50,000
WIDENING STONCREST BLVD @ SAM RIDLEY	\$65,500	\$18,500	\$18,500	\$18,500	\$10,000	
PAVING EQUIPMENT / INFRARED & PATCH	\$250,000		\$150,000	\$50,000		
TRACTOR/MOWER W/SIDEARM	\$150,000		\$150,000			
RUBBER TIRE FRONT END LOADER	\$135,000		\$135,000			
BRIDGE IMPROVEMENTS / REPAIRS	\$400,000		\$100,000	\$100,000		\$100,000
SHOP BUILDING ADDITIONS	\$40,000		\$40,000			
PAVING MAINTENANCE/ASSET SOFTWARE	\$15,000		\$15,000			
RETROFLECTIVITY SOFTWARE	\$10,000		\$10,000			
BRUSH TRUCK	\$135,000			\$135,000		
BACKHOE /LOADER	\$125,000			\$125,000		
4WD RIDING MOWER	\$80,000			\$40,000		\$40,000
Sub total Streets	\$2,091,550	\$4,753,400	\$9,388,500	\$6,381,300	\$3,125,000	

Funding Source:
 CAPITAL OUTLAY NOTE
 GENERAL FUND
 DEBT PROCEEDS
 STATE STREET AID
 IMPACT FEES
 GRANTS

	\$58,650
	\$0
	\$211,900
	\$5,000
	\$1,816,000
	\$0

Sub total net of revenues Streets	\$0	\$4,753,400	\$9,388,500	\$6,381,300	\$3,125,000
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