

**Areawide Congestion Management**

<b>TIP Id #</b>	60-9504-04	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	State Highway Administration	<b>Project Type</b>	Traffic Engineering
<b>Project Category</b>	Emission Reduction Strategy	<b>Functional Class</b>	
<b>Conformity Status</b>	Non-exempt	<b>Physical Data</b>	
<b>CIP/CTP Page#</b>	A-22		

Description	Justification
<p>These improvements include the employment of variable message signs, video for traffic management (CCTV), traffic movement detectors, signal system coordination and remote timing, permanent congestion monitoring systems employed by the CHART program, deployment of local jurisdiction intelligent transportation system (ITS) projects, and the development of park and ride facilities.</p> <p><b>Amendment:</b> an addition of \$1.95 million of National Highway System (NHS) funds will be added for the installation of CCTV cameras and other congestion management strategies in the region. Also, an addition of \$0.5 million will be added for the design of Park-and-Ride lot expansions at US 50 @ MD 424 (adding 200 spaces) and at MD 4 @ MD 408 (adding 75 spaces).</p>	<p>These projects will improve safety and traffic flow operations on the existing highway system without major new construction. These projects will also save motorists time by allowing them to avoid traffic congestion. Some of the projects will reduce congestion through the use of ITS technology innovations in communication, advanced traffic management, traveler information, etc.</p> <p>Funding level is represented as 37% of statewide level as shown in CTP.</p> <p>*Supports regional M&amp; O initiatives</p>

**Congestion Mitigation and Air Quality**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$2,200	\$400	\$2,300	\$500	\$2,200	\$400	\$2,200	\$400	\$4,400	\$900	\$15,900
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$2,200</b>	<b>\$400</b>	<b>\$2,300</b>	<b>\$500</b>	<b>\$2,200</b>	<b>\$400</b>	<b>\$2,200</b>	<b>\$400</b>	<b>\$4,400</b>	<b>\$900</b>	<b>\$15,900</b>

**National Highway System - Original**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$600	\$100	\$700	\$100	\$400	\$100	\$400	\$100	\$900	\$200	\$3,600
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$600</b>	<b>\$100</b>	<b>\$700</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$900</b>	<b>\$200</b>	<b>\$3,600</b>

**National Highway System - Amended**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$600	\$100	\$2,650	\$100	\$400	\$100	\$400	\$100	\$900	\$200	\$5,150
OTH											\$0
PE			\$500								\$500
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$600</b>	<b>\$100</b>	<b>\$3,150</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$900</b>	<b>\$200</b>	<b>\$5,650</b>

**Stimulus funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$500	\$100	\$400	\$100	\$400	\$100	\$40	\$10			\$1,650
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$500</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$400</b>	<b>\$100</b>	<b>\$40</b>	<b>\$10</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,650</b>

**Surface Transportation Program**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$200	\$40	\$200	\$40	\$100	\$20	\$100	\$20	\$200	\$40	\$960
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$200</b>	<b>\$40</b>	<b>\$200</b>	<b>\$40</b>	<b>\$100</b>	<b>\$20</b>	<b>\$100</b>	<b>\$20</b>	<b>\$200</b>	<b>\$40</b>	<b>\$960</b>

2011 - 2014 Transportation Improvement Program

State Highway Administration

Environmental/Safety

Areawide Environmental Projects

<b>TIP Id #</b>	60-9506-38	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	State Highway Administration	<b>Project Type</b>	Environmental other
<b>Project Category</b>	Environmental/Safety	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP Page #</b>	A-22		

Description	Justification
<p>These are non-capacity improvements which include projects dealing with noise abatement, wetlands, reforestation, landscape planting, scenic beautification, and pedestrian or bicycle facilities.</p> <p><b>Amendment:</b> an addition of \$13.4 million total. \$4.5 million will be added to the design phase; \$400,000 to the project planning phase; and \$8.5 million to the construction phase for training, compliance, monitoring and research of the Total Maximum Daily Load (TMDL) requirements; tree planting; as well as pavement removal projects.</p>	<p>Will restore important wetlands, enhance the surrounding environment and community, and reduce noise impacts.</p> <p>Funding level is represented as 37% of statewide level as shown in CTP.</p>

National Highway System

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2011 Federal Funds	FY 2011 Matching Funds	FY 2012 Federal Funds	FY 2012 Matching Funds	FY 2013 Federal Funds	FY 2013 Matching Funds	FY 2014 Federal Funds	FY 2014 Matching Funds	Estimated Project Total
CON	\$2,000	\$400	\$1,400	\$280	\$400	\$80	\$400	\$80	\$400	\$80	\$5,520
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$2,000</b>	<b>\$400</b>	<b>\$1,400</b>	<b>\$280</b>	<b>\$400</b>	<b>\$80</b>	<b>\$400</b>	<b>\$80</b>	<b>\$400</b>	<b>\$80</b>	<b>\$5,520</b>

**Stimulus Funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2011 Federal Funds	FY 2011 Matching Funds	FY 2012 Federal Funds	FY 2012 Matching Funds	FY 2013 Federal Funds	FY 2013 Matching Funds	FY 2014 Federal Funds	FY 2014 Matching Funds	Estimated Project Total
CON	\$800	\$200	\$300	\$70	\$70	\$10					\$1,450
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$800</b>	<b>\$200</b>	<b>\$300</b>	<b>\$70</b>	<b>\$70</b>	<b>\$10</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,450</b>

**Surface Transportation Program - Original**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2011 Federal Funds	FY 2011 Matching Funds	FY 2012 Federal Funds	FY 2012 Matching Funds	FY 2013 Federal Funds	FY 2013 Matching Funds	FY 2014 Federal Funds	FY 2014 Matching Funds	Estimated Project Total
CON	\$4,400	\$900	\$300	\$60	\$1,900	\$400	\$2,400	\$500	\$5,900	\$1,200	\$17,960
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$4,400</b>	<b>\$900</b>	<b>\$300</b>	<b>\$60</b>	<b>\$1,900</b>	<b>\$400</b>	<b>\$2,400</b>	<b>\$500</b>	<b>\$5,900</b>	<b>\$1,200</b>	<b>\$17,960</b>

**Surface Transportation Program - Amended**

Phase	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY 2011 Federal Funds	FY 2011 Matching Funds	FY 2012 Federal Funds	FY 2012 Matching Funds	FY 2013 Federal Funds	FY 2013 Matching Funds	FY 2014 Federal Funds	FY 2014 Matching Funds	Estimated Project Total
CON	\$4,400	\$900	\$8,800	\$60	\$1,900	\$400	\$2,400	\$500	\$5,900	\$1,200	\$26,460
OTH											\$0
PE			\$4,500								\$4,500
PP			\$400								\$400
ROW											\$0
<b>Totals</b>	<b>\$4,400</b>	<b>\$900</b>	<b>\$13,700</b>	<b>\$60</b>	<b>\$1,900</b>	<b>\$400</b>	<b>\$2,400</b>	<b>\$500</b>	<b>\$5,900</b>	<b>\$1,200</b>	<b>\$31,360</b>

2011 – 2014 Transportation Improvement Program

State Highway Administration

Highway Preservation

**Areawide Safety and Spot Improvements**

<b>TIP Id #</b>	60-9508-19	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	State Highway Administration	<b>Project Type</b>	Other
<b>Project Category</b>	Highway Preservation	<b>Functional Class</b>	Na
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	Na
<b>CIP/CTP Page#</b>	A-22		

Description	Justification
<p>These are non-capacity highway improvements which include projects dealing with bypass lanes, acceleration and deceleration lanes, turn lanes, rail crossings, safety improvements, pavement markers, and roundabouts. Other improvements such as slope repairs, drainage improvements, and joint sealings may be included incidental to other safety improvements.</p> <p><b>Amendment:</b> an addition of \$4.4 million of (STP) Surface Transportation Program funds for the installation of UPS/LED lights (uninterrupted power supply/light emitting diode) and for sidewalk improvement projects to meet ADA standards.</p>	<p>Will improve safety and the flow of traffic, thereby reducing congestion and queuing.</p> <p>Funding level is represented as 37% of statewide level as shown in CTP.</p>

**Interstate Maintenance**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$3,200	\$300	\$2,500	\$200	\$2,500	\$200	\$2,900	\$300	\$4,800	\$500	\$17,400
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$3,200</b>	<b>\$300</b>	<b>\$2,500</b>	<b>\$200</b>	<b>\$2,500</b>	<b>\$200</b>	<b>\$2,900</b>	<b>\$300</b>	<b>\$4,800</b>	<b>\$500</b>	<b>\$17,400</b>

### National Highway System

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$4,800	\$1,000	\$3,700	\$700	\$4,000	\$800	\$4,800	\$1,000	\$9,900	\$2,000	\$32,700
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$4,800</b>	<b>\$1,000</b>	<b>\$3,700</b>	<b>\$700</b>	<b>\$4,000</b>	<b>\$800</b>	<b>\$4,800</b>	<b>\$1,000</b>	<b>\$9,900</b>	<b>\$2,000</b>	<b>\$32,700</b>

### Other (Highway Safety Improvement Program and Safe Routes To School)

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$5,900	\$600	\$5,900	\$600	\$5,900	\$600	\$5,900	\$600	\$11,800	\$1,200	\$39,000
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$5,900</b>	<b>\$600</b>	<b>\$5,900</b>	<b>\$600</b>	<b>\$5,900</b>	<b>\$600</b>	<b>\$5,900</b>	<b>\$600</b>	<b>\$11,800</b>	<b>\$1,200</b>	<b>\$39,000</b>

**Surface Transportation Program – Original**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$13,800	\$2,800	\$12,200	\$2,400	\$12,600	\$2,500	\$15,100	\$3,000	\$30,100	\$6,000	\$100,500
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$13,800</b>	<b>\$2,800</b>	<b>\$12,200</b>	<b>\$2,400</b>	<b>\$12,600</b>	<b>\$2,500</b>	<b>\$15,100</b>	<b>\$3,000</b>	<b>\$30,100</b>	<b>\$6,000</b>	<b>\$100,500</b>

**Surface Transportation Program – Amended**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$13,800	\$2,800	\$16,600	\$2,400	\$12,600	\$2,500	\$15,100	\$3,000	\$30,100	\$6,000	\$104,900
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$13,800</b>	<b>\$2,800</b>	<b>\$16,600</b>	<b>\$2,400</b>	<b>\$12,600</b>	<b>\$2,500</b>	<b>\$15,100</b>	<b>\$3,000</b>	<b>\$30,100</b>	<b>\$6,000</b>	<b>\$104,900</b>

**Stimulus Funds**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2011 Federal Funds	FY2011 Matching Funds	FY2012 Federal Funds	FY2012 Matching Funds	FY2013 Federal Funds	FY2013 Matching Funds	FY2014 Federal Funds	FY2014 Matching Funds	Estimated Project Total
CON	\$13,200	\$2,600	\$12,600	\$2,500	\$4,300	\$900					\$36,100
OTH											\$0
PE											\$0
PP											\$0
ROW											\$0
<b>Totals</b>	<b>\$13,800</b>	<b>\$2,800</b>	<b>\$12,600</b>	<b>\$2,500</b>	<b>\$4,300</b>	<b>\$900</b>					<b>\$36,100</b>