



**FINAL**  
**FY 2016**

**July 1, 2015 to  
June 30, 2016**

# **Unified Planning Work Program**

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**April 2015**



**EAST-WEST GATEWAY**  
**Council of Governments**

Creating Solutions Across Jurisdictional Boundaries



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*It is the policy of East-West Gateway Council of Governments (EWG) to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires that no person in the United States of America shall, on the grounds of race, color, sex, or national origin, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which EWG receives federal financial assistance. Any person who believes they have been aggrieved by an unlawful discriminatory practice under Title VI has a right to file a formal complaint with EWG. Any such complaint must be in writing and filed with EWG's Title VI Coordinator within one hundred eighty (180) days following the date of the alleged discriminatory occurrence. For more information, or to obtain a Title VI Discrimination Complaint Form, please see our web site at <http://www.ewgateway.org> or call (314) 421-4220.*

*The preparation of this Unified Program Working Program was financed in part through funds provided by the U.S. Department of Transportation, the Federal Highway Administration, and the Federal Transit Administration.*



## **The East-West Gateway Council of Governments**

The East-West Gateway Council of Governments (East-West Gateway, EWG, or the Council) provides a forum for local governments of the bi-state St. Louis area to work together to solve problems that cross jurisdictional boundaries. The geographic region that East-West Gateway has served since 1965 is the 4,500 square miles encompassed by the City of St. Louis; Franklin, Jefferson, St. Charles, and St. Louis counties in Missouri; Madison, Monroe, and St. Clair counties in Illinois.

East-West Gateway is the metropolitan planning organization (MPO) for the area, which means that the federal government and the states have vested legal authority and responsibility in the agency for developing and adopting plans for the region's surface transportation system. Any transportation project within the boundaries of the eight member counties that will be wholly or partially funded with federal dollars must be contained in plans that are formally adopted by the Board of Directors.

Transportation planning is not simply an exercise in design and engineering. It requires understanding and addressing the complex relationship between mobility and the region's economy, community, and ecology. Its final product is an evolving transportation investment strategy to serve the region's economic vitality and broad quality of life goals. For that reason, the tools of planning – many of which are referenced later in this document – include population and employment estimates, land use and transportation facility inventories and maps, environmental quality assessments, computer models of existing and future travel patterns, and activities to engage interest groups and community residents in setting priorities.

East-West Gateway's designation as a regional council of governments (COG) means that the agency has the civic responsibility to set the table for cooperative planning and problem-solving among and between any of its member local governments who believe that they can accomplish better things by working together than by acting separately. Although much of this cooperative planning takes place among the eight major jurisdictions of the region, it is not uncommon to find several small cities and towns clustered around a community betterment initiative at East-West Gateway. These initiatives address issues as diverse as tax policy, environmental quality, public safety, workforce development, access to jobs, economic development, community planning, and others that might be of interest to members of the Board of Directors.



## Introduction

This document specifies the work that the East-West Gateway Council of Governments expects to undertake in carrying out its mission in fiscal year (FY) 2016, between July 1, 2015, and June 30, 2016. Although the tasks and desired accomplishments before the agency are varied and diverse, the Unified Planning Work Program (UPWP) is the one document that is used to organize and unify all of the agency's work for the coming year.

The development of the UPWP creates an opportunity for the policy-makers on the Board of Directors, the agency's advisory committees, and our funding agencies to review and consider East-West Gateway's many discrete activities in the context of the whole. It also provides staff with a valuable management tool and is part of grant applications for several state and federal programs. While every effort is made to anticipate and prepare for the full 12 months of work each year when the UPWP is assembled, unexpected circumstances sometimes necessitate additions to the document outside the regular annual cycle. When this happens, and funding has been clearly identified for any new activities, the Board is presented the opportunity to amend new work into the UPWP as part of the monthly meetings.

### **Program and Functional Areas**

The East-West Gateway staff members who carry out this work are grouped into five departments: Transportation Planning, Community Planning and Outreach, Research Services, Regional Security Planning, and Administration. Each department houses a strong mix of academic backgrounds and professional experiences. The complexity of our work frequently demands interdepartmental coordination, interdisciplinary research, and the considerable involvement of members of the affected public and constituent interest groups. Virtually none of the work elements contained in the FY 2016 UPWP can be properly implemented without a team effort.

The major planning and problem-solving functions to be performed during the year have been grouped under four broad headings: RESEARCH AND ANALYSIS, PLANNING, POLICY and COMMUNITY ENGAGEMENT AND LOCAL GOVERNMENT SERVICES. There are multiple sub-headings under the broader topics, usually consisting of a series of individual work elements. The work that cuts across agency departments is combined into work elements where staff from different departments will collaborate.

The work in RESEARCH AND ANALYSIS is designed to develop a sound factual basis for investment decisions for the region's surface transportation system and for the other systems and initiatives that contribute to the economic health and quality of life in the region. Work elements under RESEARCH AND ANALYSIS include one of the core analytical tools of transportation planning, the travel demand model. This model helps planners forecast future travel on the region's transportation system which informs where and how investments should be made. Other modeling will be conducted in land use, housing, population, and employment forecasts, all of which are key to transportation planning and for regional sustainable development planning. Also included is the management of regional information systems, like the agency wide database and geographic information system (GIS). We are continuing work on regional competitiveness,

and provide support to member local governments and agencies through dissemination of research and updated data.

The PLANNING section of the UPWP includes the largest number of staff from the widest array of departments within the agency. Transportation, environmental, and regional security planning are all included here. Within transportation planning there is corridor and long-range planning, the Transportation Improvement Program, safety programs, and multimodal transportation planning, as well as discrete projects like the Great Streets Initiative. Some of the transportation planning activities described here will be completed during FY 2016, and some of them will continue into future fiscal years. Under the subsection of Regional Development and Sustainability, staff will work on an ecological initiative, air and water quality issues, coordinate with local governments on the updated All Hazard Mitigation Plan for Missouri and work towards approval of the Plan, and integration and implementation of the OneSTL priorities into our overall planning activities. The agency continues to work on regional security planning with the St. Louis Area Regional Response System (STARRS).

The work in POLICY represents an assortment of research and policy activities, many of which cut across discrete programmatic lines. There are two key areas of policy analysis for the upcoming year: transportation finance and regional competitiveness. Transportation finance is an ongoing issue of concern, given the uncertainty of future funding and the continuing needs for infrastructure in the metropolitan region. Promotion of the economic health and vitality of the region is a key element of the agency's mission and regional competitiveness is the work element that describes discrete efforts to support work on strengthening the metropolitan economy, although such work is woven throughout the work program in a variety of areas.

All of the work in the agency is informed by the staff's efforts in public involvement and COMMUNITY ENGAGEMENT. Transportation planning, community development, economic development, local government support, and regional security all require a substantial amount of education and outreach to citizens and member governments. The work in COMMUNITY ENGAGEMENT also seeks to obtain responses and feedback from the public to help shape the work the agency does and, ultimately, the policies formed by the Board of Directors. To obtain public input into the UPWP, for example, it has been made available for public comment on the agency's website, with an e-mail address to which comments may be sent. Staff has informed all of the standing committees of the draft to obtain their comments as well. All of the comments will be considered before its final adoption. Working committees in key areas provide advice and input to staff on a regular basis. A list of these committees and their current members is included as Appendix D.

In addition to these broad program areas, there are several in-house functions that inform and assist across the agency. These activities include many of the nuts-and-bolts of regional planning: information management, information systems implementation, and program administration. These are cross-cutting functions within the agency, the results of which appear in many of the products generated under other areas.

Federal legislation outlines eight factors what should inform the metropolitan transportation planning process. Briefly, these planning factors are:

Economic vitality

Safety

Security

Accessibility and mobility

Environmental protection, energy conservation, quality of life, and the transportation/land use/development linkage

Integration and connectivity

Management and operations

System preservation

These planning factors are fully encompassed within the ten guiding principles of the region's long-range transportation plan, which provides the framework for most of the Council's planning activities. Correspondingly, many of the UPWP work elements either address one or more of the federal planning factors or provide the underlying data needed for analysis. For example, an element such as the Regional Decisions Support Systems supplies the socioeconomic and demographic information necessary for the evaluation of transportation system performance, economic and land use changes, and environmental impacts. Elements such as Coordinated Human Services Transportation Planning, Integrated Transportation Systems Management, and Ecological Approach to Infrastructure Development focus more directly on discrete planning factors, while the Long-Range Planning and Transportation Improvement Program elements focus on integrating the planning factors.

As well as reflecting the federal factors, UPWP elements also address regional planning priorities, which are best expressed in the ten principles contained in the region's long-range transportation plan.

Preserve and maintain the existing systems

Support public transportation

Support neighborhoods and communities throughout the region

Foster a vibrant downtown

Provide more transportation choices

Promote safety and security

Support a diverse economy throughout the region

Support quality job development

Strengthen intermodal connections

Link transportation planning to housing, environment, education, and energy

The sections that follow describe each of the work program elements in more detail. Unless otherwise noted, all of the activities described in each work program element are to be completed by East-West Gateway staff. If another agency is responsible or a consultant will be doing some or all of the work, it will be noted.

## **Funding**

The work contained in this document is supported by financial grants and in-kind resources from federal, state, and local government sources, as well as private foundations and investments. The local cash is provided by member local governments at a rate of 12.5 cents per capita annually.

East-West Gateway submits this UPWP to our funding agencies as a commitment to fulfill our legal obligations as the region's designated MPO, and to our local governments and the public as a commitment to do all we can to enhance quality of life as the region's COG. The program is ambitious, and the agency asks the two states and our member governments to continue providing funds to support the metropolitan planning process. All programs are subject to revision, should conditions or funding change.

## LIST OF ACRONYMS

AQAC	- Air Quality Advisory Committee
AQI	- Air Quality Index
ASPR	- U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness & Response
BRT	- Bus Rapid Transit
CEPL	- Center for Ethics in Public Life
CHSTP	- Coordinated Human Service Transportation Planning
CID	- Community Improvement District
CMP	- Congestion Management Process
CMAQ	- Congestion Mitigation Air Quality
COG	- Council of Governments
CPG	- Consolidated Planning Grant
DBE	- Disadvantaged Business Enterprise
DHS	- U.S. Department of Homeland Security
EAC	- Executive Advisory Committee
EPA	- U. S. Environmental Protection Agency
EWG	- East-West Gateway Council of Governments
FEMA	- Federal Emergency Management Agency
FHWA	- Federal Highway Administration
FTA	- Federal Transit Administration
FY	- Fiscal Year
GGL	- Gateway Green Light
GIS	- Geographic Information System
HRD	- Highway Research and Development
HUD	- U.S. Department of Housing and Urban Development
IDOT	- Illinois Department of Transportation
IEPA	- Illinois Environmental Protection Agency
ITS	- Intelligent Transportation System
JARC	- Jobs Access and Reverse Commute
LEAM	- Land Use Evolution and Impact Assessment Model
LEP	- Limited English Proficiency
M&O	- Management and Operations
MAP-21	- Moving Ahead for Progress in the 21 <sup>st</sup> Century
MoDHSS	- Missouri Department of Health and Senior Services
MoDNR	- Missouri Department of Natural Resources
MoDOT	- Missouri Department of Transportation
MoRAP	- Missouri Resource Assessment Partnership
MO OHS	- Missouri Office of Homeland Security
MOVES	- Motor Vehicle Emission Simulator
MPO	- Metropolitan Planning Organization
MTP	- Metropolitan (Long-Range) Transportation Plan
MSD	- Metropolitan St. Louis Sewer District
PEL	- Planning-Environmental Linkage
PL	- Metropolitan Area Transportation Planning Funds

PMP	- Program Management Plan
PPA	- Public Policy Administration
RPSD	- Regional Plan for Sustainable Development
SEMA	- State of Missouri State Emergency Management Agency
SIP	- State Implementation Plan
SIUE	- Southern Illinois University - Edwardsville
SLACMA	- St. Louis Area City Managers Association
STARRS	- St. Louis Area Regional Response System
STP	- Surface Transportation Program
SWICMA	- Southwestern Illinois City Management Association
TBD	- To Be Determined
TIP	- Transportation Improvement Program
TOD	- Transit Oriented Development
TPC	- Transportation Planning Committee
UASI	- Urban Areas Security Initiative
UMSL	- University of Missouri - St. Louis
UPWP	- Unified Planning Work Program

# *FUNDING CHARTS*



**FY2016 FUNDING SUMMARY CHART**  
NEW FUNDING IN UPWP FY 2016 PERIOD

WORK ELEMENT	STATE and LOCAL					FEDERAL					TOTAL
	EWG	IDOT	MODOT	OTHER <sup>3</sup>	TOTAL	TRANSPORTATION PLNG FUNDS			OTHER		
						MODOT	IDOT	AMOUNT	AMOUNT	AGENCY	
1.01 : Regional Travel Demand Modeling	\$ 66,909	\$ 32,436	\$ -	\$ -	\$ -	\$ 406,911	\$ 129,744	\$ -	\$ -	\$ -	\$ 636,000
1.05 : GIS Implementation	23,986	11,628	-	-	-	145,874	46,512	-	-	-	228,000
1.06 : Information Management and Services	33,770	16,371	-	-	-	205,375	65,484	-	-	-	421,000
1.12 : Regional Decisions Support Systems	45,027	21,828	-	-	-	273,833	87,312	-	-	-	428,000
2.01 : Integrated Transportation System Management	17,885	8,670	-	-	-	108,765	34,680	-	-	-	170,000
2.03 : Transportation Improvement Program and Project Monitoring	47,867	23,205	-	-	-	291,108	92,820	-	-	-	455,000
2.04 : Transportation Planning Data Collection and Analysis - MODOT	-	-	257,686	-	-	-	-	-	-	-	257,686
2.05 : Transportation Safety Initiative	11,046	5,355	-	-	-	67,179	21,420	-	-	-	105,000
2.07 : Transit System Planning and Development (Metro)	-	-	-	40,000	-	118,400	41,600	-	-	-	200,000
2.09 : Transportation Program Administration	5,260	2,550	-	-	-	31,990	10,200	-	-	-	50,000
2.11 : Multimodal Transportation Planning	22,724	11,016	-	-	-	138,196	44,064	-	-	-	216,000
2.12 : Great Streets Definition - IL	-	10,000	-	-	-	-	40,000	-	-	-	50,000
2.13 : Great Streets Initiative	37,600	-	-	120,000	-	630,400	-	-	-	-	788,000
2.15 : Section 5310 Coordinated Human Service Trans Planning	-	-	-	-	-	-	-	8,000	FTA/METRO	-	8,000
2.17 : Transportation Corridor Planning-Missouri	19,770	-	-	-	-	120,230	-	-	-	-	140,000
2.19 : Long-Range Transportation Planning	35,769	17,340	-	-	-	217,531	69,360	-	-	-	340,000
2.21 : Ecological Approach to Infrastructure Development	33,665	16,320	-	-	-	204,735	65,280	-	-	-	320,000
2.25 : Southwestern II Flood Prevention Dist Management	-	-	-	195,000	-	-	-	-	-	-	195,000
2.32 : Air Quality Coordination	-	-	-	-	-	-	-	60,825	EPA/MO/IL	-	60,825
2.33 : Ozone Data Sharing Project (2015/2016)	-	-	-	-	-	-	-	9,750	EPA/MDNR	-	9,750
2.34 : Missouri Regional 208 Water Quality Mgt Pln	-	-	-	-	-	-	-	20,000	EPA/MDNR	-	20,000
2.35 : Water Quality Coordination-Watershed Planning	-	-	-	-	-	-	-	20,000	EPA/MDNR	-	20,000
2.37 : 604b Water Quality Management	-	-	-	-	-	-	-	100,000	EPA/MDNR	-	100,000
2.38 : Community Building	51,550	24,990	-	-	-	313,500	99,960	-	-	-	490,000
2.42 : Sustainable Communities Plan Implementation	-	-	-	45,000	-	-	-	45,000	HUD/EPA/DOT	-	90,000
2.81 : Urban Area Security Initiative	-	-	-	-	-	-	-	2,850,000	FEMA/MO OHS	-	2,850,000
2.88 : Bioterrorism Preparedness for Hospitals	-	-	-	-	-	-	-	421,850	ASPR/DHSS	-	421,850
3.01 : Transportation Finance	3,366	1,632	-	-	-	20,474	6,528	-	-	-	32,000
3.06 : Regional Competitiveness	31,561	15,300	-	-	-	191,939	61,200	-	-	-	300,000
4.01 : Community Engagement - Public Involvement	36,400	17,646	-	-	-	221,370	70,584	-	-	-	346,000
4.11 : Local Government Partnership	8,627	4,182	-	-	-	52,463	16,728	-	-	-	82,000
4.97 : Local Government Assistance	18,500	-	-	6,500	-	-	-	-	-	-	25,000
<b>Total</b>	<b>\$ 551,282</b>	<b>\$ 240,469</b>	<b>\$ 257,686</b>	<b>\$ 406,500</b>	<b>\$ 3,760,273</b>	<b>\$ 1,003,476</b>	<b>\$ 3,535,425</b>	<b>\$ 9,755,111</b>			

<sup>1</sup> Represents total planning funds programmed. MoDOT transfers EWG's FHWA (PL) metropolitan transportation planning funds to FTA. The funds are then combined with FTA section 5305(d) planning funds into a single award (Consolidated Planning Grant) from FTA. Funds retained by MODOT are not transferred to FTA.

<sup>2</sup> Funding source: FHWA planning funds \$763,040; FTA planning funds \$240,436.

<sup>3</sup> See next page for funding detail.

**FY2016 FUNDING SUMMARY CHART**

**ESTIMATED FUNDING CARRYOVER FROM MULTI-YEAR AWARDS ACTIVE IN UPWP YEAR 2015**

WORK ELEMENT	STATE and LOCAL					FEDERAL					TOTAL	
	EWGCC	IDOT	MODOT	OTHER	AMOUNT	TRANSPORTATION PLNG.FUNDS			OTHER			
						MODOT	IDOT	AMOUNT	Agency	Agency		
1.03 : Greenhouse Gas Inventory	-	-	-	11,200	44,800	-	-	-	-	-	44,800	56,000
2.14 : Coordinated Human Service Transportation Plan	-	-	-	-	29,000	-	-	-	-	-	29,000	29,000
2.20 : I-70 Corridor Study	-	-	-	300,000	700,000	500,000	-	-	-	-	700,000	1,500,000
2.32 : Air Quality Coordination	-	-	-	-	6,450	-	-	-	-	-	6,450	6,450
2.33 : Ozone Data Sharing Project (2015/2016)	-	-	-	-	3,000	-	-	-	-	-	3,000	3,000
2.36 : Our Missouri Waters Initiative	-	-	-	-	187,000	-	-	-	-	-	187,000	187,000
2.39 : Update of the Missouri All Hazard Mitigation Plan	3,125	-	-	-	9,375	-	-	-	-	-	9,375	12,500
2.81 : Urban Area Security Initiative	-	-	-	-	2,775,000	-	-	-	-	-	2,775,000	2,775,000
2.86 : FirstNet Coordination Program	-	-	-	-	10,000	-	-	-	-	-	10,000	10,000
Total Estimated Carryover Funding From Multi-Year Awards	\$ 3,125	\$ -	\$ -	\$ 311,200	\$ 3,764,625	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,764,625	\$ 4,578,950
Total Estimated New Funding Awards (from pg xii)												9,755,111
Grand Total Estimated Funding Awards Available for FY 2016 (July 1- June 30)												\$ 14,334,061

**DETAIL OF STATE & LOCAL -OTHER FUNDING**

**NEW FUNDING IN UPWP FY2016 PERIOD (FROM PAGE xi)**

WORK ELEMENT	Other	Source
2.07 : Transit System Planning and Development (Metro)	40,000	METRO
2.13 : Great Streets Initiative	120,000	LOCAL SOURCES TO BE DETERMINED
2.25 : Southwestern II Flood Prevention Dist Management	195,000	SOUTHWESTERN FLOOD PREVENTION DISTRICT COUNCIL
2.42 : Sustainable Communities Plan Implementation	45,000	LOCAL SOURCES TO BE DETERMINED
4.97 : Local Government Assistance	6,500	LOCAL SOURCES TO BE DETERMINED
Subtotal per New Funding In UPWP FY2016	\$ 406,500	

**CARRYOVER FUNDING FROM MULTI-YEAR AWARDS ACTIVE IN UPWP 2015 (from above)**

1.03 : Greenhouse Gas Inventory	11,200	ST. LOUIS UNIVERSITY
2.20 : I-70 Corridor Study	300,000	MoDOT
Subtotal - Other Funding From Multi-Year Awards In UPWP FY2015	\$ 311,200	
Grand Total - Other Funding	\$ 717,700	

**SUMMARY OF ESTIMATED EXPENDITURES FOR NEW FY 2016 FUNDING**

WORK ELEMENT	Estimated Expenditures					Total
	Personnel	Other direct*	Indirect	Contractual Services		
1.01 : Regional Travel Demand Modeling	\$ 417,151	\$ 20,860	\$ 197,989	\$ -	\$ -	\$ 636,000
1.05 : GIS Implementation	142,708	17,560	67,732	-	-	228,000
1.06 : Information Management and Services	213,275	6,500	101,225	-	-	321,000
1.12 : Regional Decisions Support Systems	267,099	16,130	126,771	18,000	-	428,000
2.01 : Integrated Transportation System Management	113,073	3,260	53,667	-	-	170,000
2.03 : Transportation Improvement Program and Project Monitoring	280,021	42,075	132,904	-	-	455,000
2.04 : Transportation Planning Data Collection and Analysis - MODOT	257,686	-	-	-	-	257,686
2.05 : Transportation Safety Initiative	68,620	3,811	32,569	-	-	105,000
2.07 : Transit System Planning and Development (Metro)	-	-	-	200,000	-	200,000
2.09 : Transportation Program Administration	26,447	11,000	12,553	-	-	50,000
2.11 : Multimodal Transportation Planning	137,595	8,600	65,305	4,500	-	216,000
2.12 : Great Streets Definition - IL	12,478	1,600	5,922	30,000	-	50,000
2.13 : Great Streets Initiative	118,810	8,300	56,390	604,500	-	788,000
2.15 : Section 5310 Coordinated Human Service Trans Planning	3,459	2,900	1,641	-	-	8,000
2.17 : Transportation Corridor Planning-Missouri	93,129	2,670	44,201	-	-	140,000
2.19 : Long-Range Transportation Planning	213,987	19,950	101,563	4,500	-	340,000
2.21 : Ecological Approach to Infrastructure Development	78,190	4,700	37,110	200,000	-	320,000
2.25 : Southwestern II Flood Prevention Dist Management	131,898	500	62,602	-	-	195,000
2.32 : Air Quality Coordination	40,638	900	19,287	-	-	60,825
2.33 : Ozone Data Sharing Project (2015/2016)	6,412	294	3,044	-	-	9,750
2.34 : Missouri Regional 208 Water Quality Mgt Pln	13,363	294	6,343	-	-	20,000
2.35 : Water Quality Coordination-Watershed Planning	10,816	4,050	5,134	-	-	20,000
2.37 : 604b Water Quality Management	67,814	-	32,186	-	-	100,000
2.38 : Community Building	323,624	12,777	153,599	-	-	490,000
2.42 : Sustainable Communities Plan Implementation	61,033	-	28,967	-	-	90,000
2.81 : Urban Area Security Initiative	478,767	1,044,000	227,233	1,100,000	-	2,850,000
2.88 : Bioterrorism Preparedness for Hospitals	34,195	321,425	16,230	50,000	-	421,850
3.01 : Transportation Finance	20,791	1,341	9,868	-	-	32,000
3.06 : Regional Competitiveness	199,170	6,300	94,530	-	-	300,000
4.01 : Community Engagement - Public Involvement	224,973	9,750	106,777	4,500	-	346,000
4.11 : Local Government Partnership	52,173	5,065	24,762	-	-	82,000
4.97 : Local Government Assistance	8,477	12,500	4,023	-	-	25,000
<b>Total</b>	<b>\$ 4,117,872</b>	<b>\$ 1,589,112</b>	<b>\$ 1,832,127</b>	<b>\$ 2,216,000</b>	<b>\$ -</b>	<b>\$ 9,755,111</b>

\* Other direct includes printing, software licensing, travel, equipment acquisition, etc.

**FY 2016 SUPPLEMENTAL FUNDING INFORMATION FOR NEW FUNDING**  
**DETAIL OF PLANNING PROGRAM BY STATE (FHWA PL AND FTA SEC 5305(d))**

WORK ELEMENT	MODOT CPG FUNDS	PARTICIPATION PERCENTAGE	IDOT PLANNING FUNDS	PARTICIPATION PERCENTAGE
1.01 : Regional Travel Demand Modeling	406,911		129,744	
1.05 : GIS Implementation	145,874		46,512	
1.06 : Information Management and Services	205,375		65,484	
1.12 : Regional Decisions Support Systems	273,833		87,312	
2.01 : Integrated Transportation System Management	108,765		34,680	
2.03 : Transportation Improvement Program and Project Monitoring	291,108		92,820	
2.05 : Transportation Safety Initiative	67,179		21,420	
2.07 : Transit System Planning and Development (Metro)	118,400		41,600	
2.09 : Transportation Program Administration	31,990		10,200	
2.11 : Multimodal Transportation Planning	138,196		44,064	
2.12 : Great Streets Definition - IL			40,000	
2.13 : Great Streets Initiative	630,400		-	
2.17 : Transportation Corridor Planning-Missouri	120,230		-	
2.19 : Long-Range Transportation Planning	217,531		69,360	
2.21 : Ecological Approach to Infrastructure Development	204,735		65,280	
2.38 : Community Building	313,500		99,960	
3.01 : Transportation Finance	20,474		6,528	
3.06 : Regional Competitiveness	191,939		61,200	
4.01 : Community Engagement - Public Involvement	221,370		70,584	
4.11 : Local Government Partnership	52,463		16,728	
Total Federal Funds	3,760,273	80.00%	1,003,476	80.00%
Match - EWG	532,782	11.33%		0.00%
Match - IDOT		0.00%	240,469	19.17%
Match - Other	149,600	3.18%	10,400	0.83%
TOTAL EWG Cost of FY 2016 Transportation Planning Program	\$ 4,442,655		\$ 1,254,345	
2.04 : Value of MODOT "Direct Cost" Metropolitan Planning Activity	257,686	5.49%	-	-
Total Value of Transportation Planning Work Elements	4,700,341	100.00%	1,254,345	100.00%

Available Funding

East-West Gateway estimates that \$4,809,000 will be available in Consolidated Planning Grant funds, through the Missouri Department of Transportation, for the program year beginning July 1, 2015. This estimate is based on the projected unspent funds available from prior years. Based on the activities budgeted in this document plus an estimated allocation of funding from the 2015 federal fiscal year, we project that \$4,049,000 will be available for carryover to our FY2017 UPWP.

IDOT does not allow the MPO to use prior year balances for the FHWA and FTA metropolitan planning funds. IDOT has provided a funding mark for EWG of \$1,029,840 from the FY2015 apportionment. Our estimated expenditures are based on this assumption.

EWG will have approximately \$554,506 available as match in 2015 from accumulated per capita contributions and TIP fees. We've estimated that \$551,282 will be required to match the new funding and an additional \$3,125 will be required for the carryover funding.

# FY 2016 SUPPLEMENTAL INFORMATION FOR NEW FUNDING

Detail of IDOT Planning Funds

WORK ELEMENT	IDOT		FEDERAL TRANS. PLANNING FUNDS TOTAL	METROPOLITAN PLANNING FUNDS and Other IDOT Match	OTHER LOCAL PARTICIPATION	FEDERAL PLUS MATCH
	FHWA (PL)	FTA Sec 5305(d)				
1.01 Regional Travel Demand Modeling	101,760	27,984	129,744	32,436	0	162,180
1.05 GIS Implementation	36,480	10,032	46,512	11,628	0	58,140
1.06 Information Management and Services	51,360	14,124	65,484	16,371	0	81,855
1.12 Regional Decisions Support Systems	68,480	18,832	87,312	21,828	0	109,140
2.01 Integrated Transportation System Management	27,200	7,480	34,680	8,670	0	43,350
2.03 Transportation Improvement Program and Project Monitoring	72,800	20,020	92,820	23,205	0	116,025
2.05 Transportation Safety Initiative	16,800	4,620	21,420	5,355	0	26,775
2.07 Transit System Planning and Development (Metro)	0	41,600	41,600		10,400	52,000
2.09 Transportation Program Administration	8,000	2,200	10,200	2,550	0	12,750
2.11 Multimodal Transportation Planning	34,560	9,504	44,064	11,016	0	55,080
2.12 Great Streets Definition - IL	40,000	0	40,000	10,000		50,000
2.19 Long-Range Transportation Planning	54,400	14,960	69,360	17,340	0	86,700
2.21 Ecological Approach to Infrastructure Development	51,200	14,080	65,280	16,320	0	81,600
2.38 Community Building	78,400	21,560	99,960	24,990	0	124,950
3.01 Transportation Finance	5,120	1,408	6,528	1,632	0	8,160
3.06 Regional Competitiveness	48,000	13,200	61,200	15,300	0	76,500
4.01 Community Engagement - Public Involvement	55,360	15,224	70,584	17,646	0	88,230
4.11 Local Government Partnership	13,120	3,608	16,728	4,182	0	20,910
Total	\$763,040	\$240,436	\$1,003,476	\$240,469	\$10,400	\$1,254,345

<sup>1</sup> IDOT non-federal other than Metropolitan Planning Funds

**FY 2016 SUPPLEMENTAL FUNDING INFORMATION FOR NEW FUNDING**  
**Detail of MODOT Planning Funds**

WORK ELEMENT		MODOT CPG FUNDS	STATE & LOCAL PARTICIPATION	(Missouri Portion) ELEMENT TOTAL
1.01 :	Regional Travel Demand Modeling	406,911	66,909	473,820
1.05 :	GIS Implementation	145,874	23,986	169,860
1.06 :	Information Management and Services	205,375	33,770	239,145
1.12 :	Regional Decisions Support Systems	273,833	45,027	318,860
2.01 :	Integrated Transportation System Management	108,765	17,885	126,650
2.03 :	Transportation Improvement Program and Project Monitoring	291,108	47,867	338,975
2.05 :	Transportation Safety Initiative	67,179	11,046	78,225
2.07 :	Transit System Planning and Development (Metro)	118,400	29,600	148,000
2.09 :	Transportation Program Administration	31,990	5,260	37,250
2.11 :	Multimodal Transportation Planning	138,196	22,724	160,920
2.13 :	Great Streets Initiative	630,400	157,600	788,000
2.17 :	Transportation Corridor Planning-Missouri	120,230	19,770	140,000
2.19 :	Long-Range Transportation Planning	217,531	35,769	253,300
2.21 :	Ecological Approach to Infrastructure Development	204,735	33,665	238,400
2.38 :	Community Building	313,500	51,550	365,050
3.01 :	Transportation Finance	20,474	3,366	23,840
3.06 :	Regional Competitiveness	191,939	31,561	223,500
4.01 :	Community Engagement - Public Involvement	221,370	36,400	257,770
4.11 :	Local Government Partnership	52,463	8,627	61,090
	TOTAL EWG Cost of FY 2014 Transportation Planning Program	\$ 3,760,273	\$ 682,382	\$ 4,442,655
2.04	Value of MODOT "Direct Cost" Metropolitan Planning Activity <sup>1</sup>		257,686	257,686
	Total Value of Transportation Planning Work Elements (Missouri Portion)	\$ 3,760,273	\$ 940,068	\$ 4,700,341

## RESEARCH AND ANALYSIS

Total budgeted for this program area: \$1,669,000



## RESEARCH AND ANALYSIS

### Background

As the regional COG, the agency pursues research and analysis initiatives in order to better understand and monitor issues identified as important to the fiscal, economic and social well-being of the region. The work elements under research and analysis support a variety of regional functions of the agency: from the update of the Metropolitan Transportation Plan (MTP), to demand forecasts for transit and air quality analyses, to performing scenario analyses to evaluate future demographic, socioeconomic, and environmental conditions.

As the MPO for the region, East-West Gateway depends on several types of analysis and research to fulfill its obligations related to transportation planning. These include regional travel demand modeling as well as analyses of socioeconomic and demographic trends, forecasts, and monitoring of ongoing development activities. These work elements support the agency's role to continually improve its capacity to perform modeling, forecasting, and statistical analysis.

In addition to the day-to-day research and analysis performed by staff there are underlying regional information systems that must be in place within the agency to meet these research needs. By anticipating the need for specific information and having the technological capacity to collect, analyze, and disseminate information, agency staff provides the information necessary to support regional decision-making in a timely and strategic manner.

The five work elements described in this section represent the agency's efforts to increase our understanding of the socioeconomic and transportation trends and future needs facing our region.

### Regional Information Systems

*Regional Travel Demand Modeling and System Evaluation* – An important technical component of the regional planning process is the travel demand model. Demand modeling enables the agency to forecast future travel and evaluate the efficiency and effectiveness of the transportation system and proposed improvements. In the upcoming year, the agency will continue to maintain and enhance existing model sets and ensure that the transit model meets all criteria established by the Federal Transit Administration (FTA) for New/Small Starts capital projects. Work will also continue to develop analytical methods that better evaluate the performance of the transportation system and individual projects relative to mobility, accessibility, land use, economic growth, and the natural environment. The travel demand model will also support annual conformity determinations related to both short- and long-range transportation plans. Traffic forecasts are also provided to state and local agencies for use in their own studies.

*Greenhouse Gas Initiative* - In July, 2014, the Federal Highway Administration (FHWA) issued a call for proposals designed to conduct greenhouse gas or energy analysis of transportation related emission in the planning process. Council staff submitted a proposal, with the cooperation of Saint Louis University (SLU), and the proposal was selected for funding. The purpose of the project is to develop capacity to estimate greenhouse gas emissions from on-road

vehicles at regional and sub-regional scales, and to analyze future emissions for multiple policy and land use scenarios. EWG will collaborate with SLU’s Center for Environmental Studies (CES) to develop GHG emissions inventories by building capacity to analyze GHG emissions using EWG’s Motor Vehicle Emissions Simulator (MOVES) and Land use Evolution and Assessment Model (LEAM).

*GIS Implementation* – This work element provides the framework for the development and management of a regional Geographic Information System (GIS), by focusing on the acquisition and management of numerous data sets that are essential to regional analyses. The element is “needs-based” and includes necessary and collaborative efforts with local, state and federal agencies to acquire, maintain, and distribute the spatial data that is essential to an effective regional and transportation planning function.

*Information Management & Services* – This work element provides the basic computer and telecommunications services necessary for the day-to-day operations of the agency.

### **Research Services**

*Regional Decisions Support Systems* – The focus here is the collection and analysis of socioeconomic and demographic information to support planning activities of internal staff and agency members. Central to this purpose is the continued development and support of a centralized, agency-wide database focusing on data necessary for measuring transportation system performance, as well as socioeconomic, demographic, land use, and environmental analyses. Additionally, collaboration will continue with the Land Use Evolution and Impact Assessment Model (LEAM) group in the form of maintenance and support for the LEAM desktop application. Staff will continue to provide data and technical assistance to a broad array of users.

### **Summary of Estimated Costs for Functional Area:**

1.01 Regional Travel Demand Modeling	\$636,000
1.03 Greenhouse Gas Initiative	56,000
1.05 GIS Implementation	228,000
1.06 Information Management and Services	321,000
1.12 Regional Decisions Support Systems	428,000
<b>Total</b>	<b>\$1,669,000</b>

# REGIONAL TRAVEL DEMAND MODELING AND SYSTEM EVALUATION

## 1.01

### Activities:

1. Maintain and update technical documentation of TransEval, which is East-West Gateway's regional travel demand model, and its applications.
2. Build internal capacity and skills for operating the updated regional travel demand model and its procedures.
3. Analyze on-board transit survey data and study the local transit travel patterns.
4. Revise and maintain highway and transit networks, reflecting both existing and future conditions.
5. Enhance professional development by working collaboratively on various research activities and projects with local planning partners and research entities, and participating in professional conferences.
6. Refine transit model components to meet all Federal Transit Administration (FTA) criteria for New/Small Starts modeling and analysis; pursue training for applying FTA-endorsed forecasting procedures.
7. Prepare travel demand forecasts for the Transportation Improvement Program (TIP) and Regional Transportation Plan (RTP).
8. Conduct the Regional Emission Analysis for air quality conformity determination for the Regional Transportation Plan (RTP) and Transportation Improvement Program (TIP).
9. Prepare the outputs of TransEval to work with the new Environmental Protection Agency (EPA) air quality model Motor Vehicle Emission Simulator (MOVES2014), ensure data integration and process automation.
10. Develop and enhance internal capacity for using the latest EPA approved air quality emissions model MOVES 2014.
11. Develop updated input files for use in the latest EPA approved air quality emissions model MOVES 2014.
12. Initiate work on Greenhouse Gas (GHG) emissions and run various scenarios.
13. Refine Congestion Mitigation and Air Quality (CMAQ) project evaluation tool using outputs from the EPA MOVES air quality model.
14. Provide modeling support for local and regional planning efforts.

## REGIONAL TRAVEL DEMAND MODELING AND SYSTEM EVALUATION

### 1.01

15. Research, develop, and test model-based transportation performance evaluation tools and techniques for use in corridor-level and long-range planning.
16. Enhance internal procedures for performance measure monitoring, in line with MAP-21 requirements.
17. Maintain and revise functional classification network and maps. Initiate revisions to the functional classification handbook, based on the revised federal guidance.

#### **Products/Outcomes:**

- A. Internal capacity building and technical advancement in regional travel demand modeling (*ongoing*)
- B. Enhanced highway and transit mode choice networks (*ongoing*)
- C. Travel demand forecasts and analyses to support the RTP, TIP, and planning studies (*ongoing*)
- D. Regional Emissions Analysis for conformity determination using EPA air quality model MOVES (*ongoing*)
- E. Automate emissions models outputs post processing (*December 2015*)
- F. GHG emissions analyses using EPA air quality model MOVES (*December 2015*)
- G. Compilation of system performance evaluation methods (*ongoing*)
- H. Updates to functional classification networks (*May 2016*)

**REGIONAL TRAVEL DEMAND MODELING AND SYSTEM EVALUATION**  
**1.01**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$406,911
IDOT	129,744
Subtotal	<u>\$536,655</u>

**Local:**

EWG	<u>\$66,909</u>
IDOT	<u>32,336</u>
Subtotal	<u>\$99,345</u>
TOTAL	<u><u>\$636,000</u></u>

## GREENHOUSE GAS INITIATIVE

### 1.03

#### Activities:

1. Collaborate with personnel from the Department of Earth and Atmospheric Sciences at St. Louis University to develop computer modeling tools that will enhance the agency's capacity to analyze transportation-related greenhouse gas emissions.
2. Refine data used as inputs to greenhouse gas emission models.
3. Prepare reports estimating emissions of greenhouse gases from the regional transportation system under multiple scenarios.
4. Develop visualization tools to communicate information.

#### Products/Outcomes:

1. Enhanced databases containing information on variables associated with greenhouse gas emissions (December 2015)
2. Reports estimating regional transportation-related greenhouse gas emissions (December 2015)
3. Visualization tools and techniques (December 2015)
4. Journal article and data presentation

#### Estimated Costs:

##### Federal:

Highway Research &  
Development

MoDOT	\$44,800
Subtotal	<u>\$44,800</u>

##### Local:

St. Louis University (In- kind)	<u>\$11,200</u>
Subtotal	<u>\$11,200</u>
TOTAL	<u><u>\$56,000</u></u>

## **GEOGRAPHIC INFORMATION SYSTEMS IMPLEMENTATION**

### **1.05**

#### **Activities:**

1. Provide the technical expertise, hardware/software, oversight, and training resources necessary to maintain and enhance an open and adaptive Geographic Information Systems (GIS) in support of not only the regional transportation planning function of the agency but all other functions of the agency that require GIS in general, and mapping in particular.
2. Continue to support agency staff and member jurisdictions in developing coordinated plans for transportation.
3. Support the Missouri GIS Advisory Committee and their Local Government and Homeland Security subcommittees.
4. Support online access to regional and subregional GIS maps and data for regional community and transportation planners.
5. Support efforts to identify, acquire and convert transportation, land use, and other data sets from a variety of external sources. Continue to incorporate the newest orthoimagery and aerial photography into the GIS.
6. Support collaborative regional data development efforts.
7. Support efforts to monitor and track changes in generalized regional land use and develop methods for acquiring and creating detailed regional land use including the use of local data from member jurisdictions in support of planning under MAP-21.
8. Work with agency departments and personnel to lend guidance and technical assistance in maintaining quality control and standards for agency GIS publications, presentations, forums, and public outreach.
9. Support regional planning by providing technical expertise and oversight for GIS data development, online access to maps and geographic data, and developing comprehensive transportation, environmental, and land use data sets for the region.
10. Provide in-house technical training opportunities for staff.

#### **Products/Outcomes:**

- A. Improved GIS applications/templates (ongoing)
- B. Updated and well-maintained data library system of agency-wide geography, databases, imagery, tools, and maps (*ongoing*)

**GEOGRAPHIC INFORMATION SYSTEMS IMPLEMENTATION  
1.05**

- C. Data sharing, map products, training, and assistance to counties, municipalities, and partnering agencies. Enhanced support for regional land use modeling such as Land Use Evolution and Impact Assessment Model (LEAM) at the University of Illinois (ongoing)
- D. “Map of the Month” section on the EWG website (*ongoing*)
- E. Updated and more comprehensive transportation, environmental, and land use data sets (*ongoing*)
- F. Improved parcel-based land use file (*ongoing*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$145,874
IDOT	46,512
Subtotal	<u>\$192,386</u>

**Local:**

EWG	<u>\$23,986</u>
IDOT	<u>11,628</u>
Subtotal	<u>\$35,614</u>
TOTAL	<u><u>\$228,000</u></u>

## **INFORMATION MANAGEMENT AND SERVICES**

### **1.06**

#### **Activities:**

1. Continue to develop and update the contents and functionality of East-West Gateway's (EWG) web site and other Internet-based communication methods, including social networking tools like Twitter, Facebook and others, to better inform the public on EWG programs, projects, and public engagement opportunities in accordance with the Public Involvement Plan. Create and maintain additional project-specific web sites as needed for transportation planning activities.
2. Maintain a system for effectively managing the wide variety of data collected, created, and utilized for in-house planning activities.
3. Provide staff resources to support the management of the Reference Library, which provides library and electronic resource services. Receive, catalogue and manage both printed materials and electronic data resources (e.g., Bureau of Transportation Statistics, Census Bureau, etc.) used to inform staff involved in the planning process. Respond to requests for information from local officials and the public and support reference area users.
4. Maintain database systems used to track and contact planning process participants and local officials.
5. Maintain software applications and database systems used to collect and manage TIP project information.
6. Evaluate in-house information management systems and make specific recommendations to management where new technologies and computer hardware and software upgrades would improve the quality and/or efficiency of in-house planning operations.

#### **Products/Outcomes:**

- A. Additional geographic data query capabilities via the web site (ongoing)
- B. Web site access to the major products of the metropolitan planning process (e.g., the TIP, Long Range Plan, various sub-area studies, planning assumptions, etc.) (ongoing)
- C. Additional linkages and connections to citizens, local governments, and state and federal agencies via the internet (ongoing)
- D. Timely access to meeting and event information and other related public information useful to the public involvement requirements of the transportation planning process via the internet (ongoing)

## INFORMATION MANAGEMENT AND SERVICES

### 1.06

- E. Protocols and management systems necessary to efficiently manage and maintain data utilized in the planning process (ongoing)
- F. Functional Reference Library including printed materials and electronic data resources used to inform staff in the transportation planning process (ongoing)
- G. Support for Reference Library users (ongoing)
- H. Responses to requests for information from local officials and the public (ongoing)
- I. Centralized, up-to-date address databases used to track and contact planning process participants and local officials (ongoing)
- J. An updated process for collecting TIP project application information via the EWG website (Spring 2016)
- K. Maintain the in-house TIP database application, used to manage TIP project information (ongoing)
- L. Report identifying specific computer hardware and software upgrade recommendations and estimated costs (Fall 2015)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$205,375
IDOT	65,484
Subtotal	<u>\$270,859</u>

**Local:**

EWG	<u>\$33,770</u>
IDOT	<u>16,371</u>
Subtotal	<u>\$50,141</u>
TOTAL	<u>\$321,000</u>

## REGIONAL DECISION SUPPORT SYSTEMS

### 1.12

#### **Activities:**

1. Identify, collect, and maintain data sets; focusing on those data necessary for transportation system performance, socioeconomic, demographic, land use, and environmental analysis.
2. Develop the internal platform for accessing and updating existing agency databases.
3. Provide requested data/technical assistance to agency staff, local governments, professional data users, the general public, and other partners and collaborators.
4. Develop land use, population, and employment forecasting scenarios to support the travel demand modeling system and other planning activities; create scenarios using the LEAM Desktop interface, working with LEAM staff as needed to develop enhancements to the interface and special scenario runs. (*Staff and consultant*)
5. Support long range transportation planning by assembling and analyzing land use, demographic, and economic data.
6. Assist in preparing periodic analytical reports on issues of regional concern.
7. Train staff on how to access databases with various software platforms.
8. Collaborate with federal, state, and local officials and other resource agencies to assess impacts associated with climate change at the regional and national levels.

#### **Products/Outcomes:**

- A. Enhanced data resources/products for transportation and other regional planning activities (*ongoing*)
- B. Adapted/converted/developed land-use/socioeconomic model data files for the network traffic demand model system (*ongoing*)
- C. Information provided to municipal and county governments, professional data users, the general public, and all other partners and collaborators associated with the agency (*ongoing*)
- D. Consolidated agency database with improved links to external agency data sources (*ongoing*)
- E. Documentation of data sources
- F. Maps, data, and analysis to support agency planning activities (*ongoing*)
- G. Periodic reports on regional issues (*ongoing*)

REGIONAL DECISION SUPPORT SYSTEMS

1.12

H. Analyses of land use scenarios (*ongoing*)

I. Data collected in support of regional data archive (*ongoing*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$273,833
IDOT	87,312
Subtotal	<u>\$361,145</u>

**Local:**

EWG	<u>\$45,027</u>
IDOT	<u>21,828</u>
Subtotal	<u>\$66,855</u>
TOTAL	<u><u>\$428,000</u></u>

## PLANNING

Total budgeted for this program area: \$11,880,061



# TRANSPORTATION SYSTEM MANAGEMENT AND OPERATIONS

## Background

The six elements in this category recognize the importance of maximizing the existing transportation system's efficiency and effectiveness. Traditionally, transportation planning has centered on the need for new capacity, with little emphasis on making existing assets perform to their full potential. This has resulted in a system that, in its present configuration, has untapped potential for accommodating more travel. That fuller potential is realized by ensuring proper maintenance of the system, by reconfiguring existing assets to improve operations, and by using technology to enhance system throughput and reliability. The first element focuses on the implementation and coordination of technology to enhance regional system operations. A second element covers the process for making transportation funding decisions and monitoring the progress of short-term transportation investment decisions. Another two involve the collection and analysis of data necessary to evaluate the existing system's performance. The fifth element evaluates transportation system safety, both regionally and locally. A final element ensures that the Council's transportation planning and decision-making processes conform to federal requirements.

*Integrated Transportation Systems Management* – This element encapsulates a three-part approach to promoting more efficient operation of the region's highway and transit system's through the use of technology and information sharing. The planning involves maintaining the federally-mandated Regional Architecture for the deployment and management of an Intelligent Transportation System (ITS); maintaining a Congestion Management Process (CMP) that establishes congestion performance measures and provides a toolbox of mitigation techniques; and promoting implementation of the Regional Arterial Management system (Gateway Green Light), a program for the coordinated management of the region's arterial system through signal synchronization.

*Transportation Improvement Program and Project Monitoring* – The TIP is an annual document through which federal funds are allocated to specific projects according to priorities established in the region's metropolitan (long-range) transportation plan. Consistent with the goals and objectives of that plan, the TIP process ensures that maintaining and managing the transportation system receive sufficient attention in making decisions on the investment of federal funds. This element describes the work necessary to develop the multi-year TIP, including the federally-mandated air quality conformity finding.

*Transit System Planning and Development (Metro) and Transportation Planning Data and Collection (MoDOT)* – These two elements incorporate data analysis and planning work performed by two partner agencies to monitor and enhance transit and highway system operations. The Metro work is funded by a pass-through of federal metropolitan planning (PL) funds allocated to the Council. The MoDOT work, financed entirely with state funds, is used to provide an in-kind match for the Council's use of Consolidated Planning Grant (CPG) funds.

*Transportation Safety Initiative* – This element represents the Council's efforts to better define and develop appropriate solutions to travel safety issues in the region. Using relationships with

transportation safety officials and advocates from throughout the region, the Council will identify new approaches – focusing on engineering, enforcement, education, and emergency response – to enhance safety on the region’s transportation system. Coordination, outreach, and education are key components of this effort.

*Transportation Program Administration* – This element is designed to support the Council’s transportation planning process and keep the agency eligible to receive federal funds by meeting all obligations associated with the UPWP and other federal requirements. Major activities under this element include preparing and monitoring progress on the UPWP, documenting Title VI compliance, and managing the Council’s Disadvantaged Business Enterprise (DBE) plan and program.

**Summary of Estimated Costs for Functional Area:**

2.01 Integrated Transportation System Management	\$170,000
2.03 Transportation Improvement Program and Project Monitoring	455,000
2.04 Transportation Planning Data Collection and Analysis – MODOT	257,686
2.05 Transportation Safety Initiative	105,000
2.07 Transit System Planning and Development (Metro)	200,000
2.09 Transportation Program Administration	50,000
<b>TOTAL</b>	<b>\$1,237,686</b>

# INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT

## 2.01

### Activities:

1. Continue managing the regional Congestion Management Process (CMP) through the metropolitan planning process, CMP goals/objectives/performance measures, and management and operational-based mitigation strategies. Revise the performance measures as necessary to conform to the final MAP-21 performance measures.
2. Develop an annual congestion report on the performance and reliability of the regional multimodal transportation network for 2014
3. Convene quarterly meetings of the Congestion Management Committee (CMC) to support implementation of the regional CMP. Conduct meetings with the CMC Technical Advisory Committee (TAC), to work on detailed issues in identifying regional congestion, multimodal data collection activities, applying performance/reliability measures and developing and implementing management and operational based solutions.
4. Provide technical assistance to local governments in applying CMP principles and addressing local congestion issues. Coordinate with partner agencies to improve the regional collection of multimodal transportation performance data across geographic boundaries and between agencies.
5. Utilize the CMP to advance development and implementation of framework for integrating the Regional Architecture and other Management and Operations (M&O) strategies into the metropolitan transportation planning and programming processes; identify Intelligent Transportation System (ITS)-generated data that can be used as inputs for the planning process; create M&O performance measures for the transportation system and evaluate the effectiveness of M&O and ITS strategies.
6. Participate in MoDOT Monthly Mobility Report meetings and continue coordination and use of the Transportation Management Center (TMC) generated transportation performance data in the production of a shared annual regional congestion report.
7. Facilitate CMC coordination and technical assistance with St. Charles County and participating county municipalities in furthering the development of the Gateway Green Light (GGL) program. The GGL program operates jointly with MoDOT's TMC and uses real time travel information to assess transportation network performance and implement management and operational mitigation strategies.
8. Implement the updated Regional ITS Architecture. Maintain Regional ITS Architecture responsibilities in coordination with MoDOT, IDOT, Metro, and local stakeholders. Ensure that projects with ITS components advanced for funding conform to the regional architecture and collaboration/coordination process.

## INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT

### 2.01

9. Coordinate with IDOT in the development and update of their respective statewide and regional/district based ITS Architecture to ensure effective technical, data, and policy integration.
10. Continue to educate partner agencies, elected and other local officials, and the community about the requirements and benefits of the CMP, M&O practices and ITS.
11. In conjunction with MoDOT and IDOT and local partners (through the CMC) produce an annual congestion report on performance and reliability of regional multimodal transportation network for 2014

#### **Products/Outcomes:**

1. Quarterly Meeting structure for the Congestion Management Committee (CMC) and assembled work items for identifying regional congestion, advancing performance measures, coordination of multimodal transportation data activities, and implementation of management and operational mitigation strategies (*ongoing*)
2. Agendas, presentations, and proceedings for full CMC and CMC Technical Advisory Committee (TAC) meetings and stakeholder outreach (*ongoing*)
3. Public education and engagement activities (*ongoing*)
4. Process for integrating the CMP and ITS Architecture into the metropolitan transportation planning and programming process (*June 2016*)
5. Annual congestion report on performance and reliability of regional multimodal transportation network for 2014 (*December 2015*)

**INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT  
2.01**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$108,765
IDOT	34,680
Subtotal	<u>\$143,445</u>

**Local:**

EWG	<u>\$17,885</u>
IDOT	<u>8,670</u>
Subtotal	<u>\$26,555</u>
TOTAL	<u><u>\$170,000</u></u>

## **TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING**

### **2.03**

#### **Activities:**

1. Revise methods for evaluating and prioritizing transportation investments to ensure consistency between the Transportation Improvement Program (TIP), Congestion Management Process (CMP), and the Regional Transportation Plan (RTP). Research and evaluate methods from other metropolitan areas for applicability to the region.
2. Conduct TIP development workshops to inform local project sponsors and interested parties of project submission requirements and evaluation and approval procedures.
3. Solicit projects and assist local governments and other sponsors in developing and documenting projects for TIP funding consideration.
4. Develop annual list of obligated projects.
5. Maintain and provide staff support to Illinois and Missouri Transportation Planning Committees (TPC).
6. Provide assistance to local sponsors in developing project applications for TIP funding consideration and in implementing projects and maintaining schedules.
7. Evaluate projects submitted for TIP consideration and establish funding priorities for local and state highways, transit, paratransit, and transportation alternatives.
8. Define proposed projects and attributes for GIS and database inclusion; evaluate geographic distribution of programmed investments.
9. Perform air quality conformity determinations for the TIP; prepare technical documentation detailing air quality modeling procedures and assumptions, the conformity determinations, and related plan updates; and conduct project-specific air quality analyses, as required.
10. Conduct public outreach to solicit comments on the TIP process and the recommended program.
11. Publish and disseminate TIP, and prepare materials necessary for actions to amend or otherwise revise the TIP, as needed.
12. Conduct project implementation workshops for sponsors with projects in the TIP.
13. Monitor the implementation of TIP projects and track the use of federal funds through the preparation of quarterly progress reports for projects included in the annual element of the TIP with semi-annual reports identifying projects that are failing to meet implementation schedules and falling behind in the obligation of federal funds.

## TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING

### 2.03

14. Prepare action recommendations for Board concerning projects not complying with obligation schedules.
15. Continue development of a process for evaluating the effectiveness of implemented TIP projects. Evaluate “best practices” from other metropolitan areas.
16. Substantiate provisions of annual self-certifications and documentation of performance of the metropolitan planning process, including MoDOT and EWG co-signed annual self-certification statement to be approved by the EWG Board of Directors.
17. Undertake procurement/development of a new database for the development and management of the TIP (*Consultant*).

#### **Products/Outcomes:**

- A. Final FY 2016-2019 and Draft FY 2017-2020 TIP (*July 2015 and May 2016*)
- B. TIP program development workshops, implementation workshops, and public involvement activities (*ongoing*)
- C. Technical documentation of TIP amendments and modifications, including a year-end report (*ongoing*)
- D. Agendas, presentations, and proceedings for TPC meetings (*ongoing*)
- E. Conformity determinations for the RTP and TIP (*April – July 2015, October 2015 - January 2016(if necessary)*)
- F. Technical documentation of air quality modeling procedures, assumptions, and conformity determinations (*May 2015, January 2016 (if necessary)*)
- G. Presentations for air quality committee and interagency consultation group meetings (*ongoing*)
- H. Monthly reports showing the implementation status of projects programmed in the TIP that are subject to the Policy on Reasonable Progress and the flow of federal funds (*ongoing*)
- I. Year-end status report of monitored TIP projects and annual listing of obligated projects (*October 2015 and December 2015*)
- J. Database for the development and management of the TIP (*June 2016*)

**TRANSPORTATION IMPROVEMENT PROGRAM AND PROJECT MONITORING  
2.03**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$291,108
IDOT	92,820
Subtotal	<u>\$383,928</u>

**Local:**

EWG	<u>\$47,867</u>
IDOT	<u>23,205</u>
Subtotal	<u>\$71,072</u>
TOTAL	<u><u>\$455,000</u></u>

## **TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS; INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT)**

### **2.04**

MoDOT, in coordination with East-West Gateway, performs several tasks / activities to improve the overall efficiency of the transportation system. These activities include data collection, analysis and sharing. MoDOT provides these services with non-federal funding. All work performed by MoDOT's St. Louis District staff.

#### **Activities:**

1. Query, analyze, and summarize multiple forms of data. (*MoDOT*)
2. Acquire traffic data for use in studies, planning, evaluation of system needs, and project development. (*MoDOT*)
3. Review and analyze traffic data to identify concerns and recommend solutions. (*MoDOT*)
4. Maintain traffic related databases and spreadsheets and generate reports; maintain traffic devices, inventories and records. (*MoDOT*)
5. Develop recommendations and prepare projected data; maintain programs, databases, and historical files of related data in coordination with East-West Gateway. (*MoDOT*)
6. Maintain Regional ITS Architecture in coordination with East / West Gateway, IDOT, Metro and local officials. (*MoDOT*)
7. Implement recommendations of the Regional Arterial Management System – Gateway Green Light (GGL); identify agencies responsible for leading and participating in the program; execute; identify funding; and execute implementation plan. (*MoDOT*)
8. Participate in regional M&O, ITS, CMP and Regional Architecture meetings and committees. (*MoDOT*)

#### **Products/Outcomes:**

- A. Updated traffic count database for use in the East-West Gateway Travel Demand Model and project prioritization (Work Element 1.01) (*ongoing*)
- B. Updated Regional Integrated Systems Management Architecture (Work Element 2.01) (*ongoing*)
- C. Regional M&O, ITS, CMP and Regional Architecture partner meetings and activities (Work Element 2.01) (*ongoing*)

**TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS;  
INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT)  
2.04**

**Estimated Costs:**

**State:**

MoDOT		<u>\$257,686<sup>1</sup></u>
	Subtotal	<u>\$257,686</u>
	TOTAL	<u>\$257,686</u>

<sup>1</sup> Estimated amount required as match for the Consolidated Planning Grant funds from MoDOT.

**Personnel:**

District Traffic Engineer \*  
3 Traffic Operations Engineers\*  
Sr. Traffic Studies Specialist \*  
Traffic Technician\*

\* Appendix B shows salary, fringe, and contribution data for the positions listed under personnel.

## TRANSPORTATION SAFETY INITIATIVE

### 2.05

#### **Activities:**

1. Participate in regular meetings of the Missouri Coalition for Roadway Safety (statewide and local).
2. Participate in meetings with Illinois local agencies and IDOT.
3. Support and encourage the development, implementation, and promotion of engineering, education, law enforcement, and emergency response strategies in the St. Louis region.
4. Create, maintain, and sustain relationships with various groups throughout the region that have an emphasis on transportation safety.
5. Provide technical and networking assistance to groups and individuals working to improve transportation safety and to mitigate the negative outcome of crashes at the local and grass roots levels.
6. Participate in statewide transportation safety initiatives for Missouri and Illinois.
7. Promote the Roadway Safety Audit process and participate in the performance of safety audits in the region.
8. Help bring IDOT's Drive for Tomorrow teen safety program to MoDOT. Create a pilot program in our region with the help of the Regional Missouri Coalition for Roadway Safety.
9. Assist with management of Missouri and Illinois county local road strategic highway safety plan projects.

#### **Products/Outcomes:**

- A. Materials for the Regional Missouri Coalition for Roadway Safety (*ongoing*)
- B. Education materials including posters, pamphlets, fact sheets, and PowerPoint presentations on transportation safety issues (*ongoing*)
- C. Roadway safety audits (*ongoing*)
- D. Drive for Tomorrow teen safety program (*ongoing*)
- E. Projects based off recommendations from local strategic highway safety plans (*ongoing*)

**TRANSPORTATION SAFETY INITIATIVE**  
**2.05**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$67,179
IDOT	21,420
Subtotal	<hr/> \$88,599
EWG	<hr/> \$11,046
IDOT	<hr/> 5,355
Subtotal	<hr/> \$16,401
TOTAL	<hr/> <hr/> \$105,000

## TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)

### 2.07

#### Activities:

1. Administer all work program activities.
2. Collect and summarize fare usage and passenger boarding information for MetroLink, MetroBus, Call-A-Ride, and seasonal and special service.
3. Conduct market research of ridership trends and fare media usage, forecast transit demand, and measure consumer attitudes toward transit service. Conduct special market research to gauge consumer preferences regarding service enhancement and expansion and ridership generation.
4. Support East-West Gateway Council of Governments in development of a regional transit travel demand survey.
5. Analyze, plan, and restructure bus and rail systems including modifications of bus and rail schedules to optimize resources and maintain an effective system. Develop plans and procedures to optimize transit usage and effectiveness while minimizing operating costs.
6. Assess the current financial condition and future financial capacity of Metro. Analyze existing and potential revenue sources and develop transit cost forecasts. Develop contingency service plans to match costs with available community revenue sources.
7. Conduct planning in conjunction with East-West Gateway Council of Governments and ADA Advisory Committee to improve transportation services for the elderly and disabled population. Update and monitor the ADA Plan.
8. Conduct service planning associated with expanding transit center capacity in Downtown St. Louis and project development associated with expanding transit center capacity in Downtown St. Louis at the Civic Center Transit Center.
9. Analyze and plan the restructuring of MetroBus service in North St. Louis County in anticipation of the construction of a North County Transit Center. Plan the facility development of a North County Transit Center and possible future dispatch facility.
10. Conduct planning to evaluate all MetroBus stops relative to ADA accessibility. Continue to pursue and implement funding programs supportive of Metro's customer amenity planning goals.
11. Work collaboratively with the City of St. Louis and East-West Gateway Council of Governments to conduct location and service analyses necessary to optimize automobile, transit, and pedestrian traffic flows in Downtown St. Louis.
12. Working collaboratively with partners through the RPSD program, create a regional transit-oriented development (TOD) plan.

## TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)

### 2.07

13. Continue to pursue development of technology and applications that utilize automatic vehicle location (AVL) data to improve service and provide more timely and accurate transit information to customers.
14. Continue planning for implementation of the contactless fare payment system including data flows and formats, fare policy and structure, and business rules.
15. Work collaboratively with East-West Gateway Council of Governments and MoDOT to conduct a feasibility study of potential Bus Rapid Transit (BRT) corridors, and subsequently an alternatives analysis of those corridor(s) identified as most federally competitive.

*\*\* (Note: All activities to be performed by Metro)*

#### **Products/Outcomes:**

- A. Quarterly progress reports and *invoices* (July 2015, October 2015, January 2016, April 2016)
- B. Operating and ridership information including monthly passenger boarding information for MetroLink, MetroBus, and Call-A-Ride, quarterly on-time performance reports, and periodic route performance reports (*ongoing*)
- C. Service Planning reports including transit center, corridor studies, and Title VI assessments. Service Standards evaluation reports (*ongoing*)
- D. Market research, fare studies, load studies, and special event planning studies (*ongoing*)
- E. Transit System Accessibility Improvements in compliance with ADA regulations. Route by route bus stop spacing and ADA accessibility plan. Bus stop accessibility progress report (*ongoing*)

**TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)**  
**2.07**

**Estimated Costs:**

**Federal:**

Trans Planning Funds	
MoDOT	\$118,400
IDOT	\$41,600
Subtotal	<hr/> \$160,000

**Local:**

Metro	\$40,000
Subtotal	<hr/> \$40,000
TOTAL	<hr/> <hr/> \$200,000

## TRANSPORTATION PROGRAM ADMINISTRATION

### 2.09

#### Activities:

#### 1. General Program Administration

- a. Monitor work on the transportation planning program contained in the FY2016 UPWP and prepare and submit quarterly progress reports to funding agencies.
- b. Prepare the "Transportation Completion Report" for FY2015 UPWP. This will summarize the activities performed under the various elements.
- c. Prepare the documentation for self-certification and civil rights compliance under Title VI as required by FHWA and FTA in accordance with the current requirements. Address any Title VI complaints in accordance with established procedures.
- d. Prepare and print final reports for elements contained in the FY2015 UPWP as needed. Distribute the final reports to appropriate agencies.
- e. Prepare the FY2017 UPWP and associated contracts and agreements.

#### 2. Disadvantaged Business Enterprise Program

- a. Communicate with FTA, MoDOT, and IDOT regarding goal setting in various contracts.
- b. Assist staff with contractor/consultant selection process to ensure the DBE plan is followed during the procurement process. Activities will include review of the solicitation documents and notices prior to issuance along with a review of the responses received. Review contracting achievements during the goal period to determine if a DBE goal should be part of the solicitation.
- c. Monitor changes to DBE regulations.
- d. Monitor DBE participation efforts and prepare reports as required.
- e. Conduct ongoing liaison activities with SBE and DBE concerns to facilitate contracting opportunities for such businesses.
- f. Participate in the Missouri Regional Certification Committee process.

**TRANSPORTATION PROGRAM ADMINISTRATION**

**2.09**

**3. Association of Metropolitan Planning Organizations (AMPO)**

- a. Renew membership in AMPO, the national organization that represents the interests of Metropolitan Planning Organizations.

**Products/Outcomes:**

- A. Quarterly progress reports (*quarterly*)
- B. FY2015 Transportation Completion Report (*Nov 2015*)
- C. Title VI compliance documentation as required (*June 2016*)
- D. FY 2017 UPWP and associated contracts (*June 2016*)
- E. Semi-annual DBE participation reports (*November 2015 and May 2016*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$31,990
IDOT	10,200
Subtotal	<u>\$42,190</u>

**Budget Summary by Activity**

Sub-Element	Amount
1	33,400
2	8,600
3	8,000
Total	<u><u>\$50,000</u></u>

**Local:**

EWG	<u>\$5,260</u>
IDOT	<u>2,550</u>
Subtotal	<u>\$7,810</u>
TOTAL	<u><u>\$50,000</u></u>



## TRANSPORTATION SYSTEM DEVELOPMENT AND DESIGN

### Background

While it is important to emphasize system management and operations, especially in a time of limited fiscal resources, that emphasis does not negate the need to evaluate possibilities for more extensive system improvements, including expansion, and for modifying the system's character. The eight elements in this category examine those issues from different perspectives. The first three elements take a multimodal approach, evaluating system development and design as it relates to personal mobility, goods movement, and community development. The fourth and fifth elements involve managing the Coordinated Human Services Transportation Plan, which ensures that paratransit funding decisions are made within a consistent set of regional criteria. A sixth element covers participation in transportation corridor or subarea studies supported by the Council, Metro, and MoDOT. The seventh element represents the on-going, multi-year effort to prepare for an update the metropolitan (long-range) transportation plan, which guides future transportation investment decisions. . A final element involves a multi-county study of the I-70 corridor in Missouri.

*Multimodal Transportation Planning* – This element examines a variety of transportation modes largely from the perspective of system users: the elderly and persons with disabilities, cyclists and pedestrians, and freight movers. The planning involves working with those specific constituencies to define and implement approaches for meeting their special concerns or needs. Addressing those issues within an integrated regional context, not merely within the confines of an individual mode, is critical to the success of the planning effort.

*Great Streets Project Definition Program and Great Streets Initiative* – The Initiative's overall goal is to change the ways communities and implementing agencies plan and design streets, focusing on creating places rather than just simply accommodating more automobiles. The first element represents the Council's initial Great Streets outreach in Illinois and involves engaging one community in a multi-day workshop that identifies implementation strategies for corridor improvements. The second element involves continued participation in the implementation of past demonstration projects, a continuing education and outreach program to expand knowledge and use of Great Streets principles throughout the region, and advancing one Missouri community project through the Great Streets process.

*Coordinated Human Services Transportation Planning and Section 5310 Coordinated Human Services Transportation Planning* – A federal requirement is that metropolitan areas create and maintain a coordinated plan for transportation services to transit-dependent populations. The plan was developed in FY 2009 and updated in FY 2013. These elements focus on managing that plan and distributing information on its requirements to agencies and organizations involved in providing paratransit services.

*Transportation Corridor Planning-Missouri* – Corridor studies are an important part of the long-range transportation planning process. Such studies help define needs and solutions that are used

to develop projects for inclusion in the long-range plan. This element covers the Council’s participation in developing and managing corridor or subarea studies in the Missouri portion of the region. It delineates the Council’s activities, in cooperation with partner agencies, to define future needs for major corridor studies, to establish priorities among potential corridor studies, to complete the preliminary work needed to proceed with studies, and to participate in corridor/environmental studies sponsored by other agencies.

*Long-Range Transportation Planning* – According to federal law, every four years the Council must update its metropolitan (long-range) transportation plan. The next update is due in June 2019. This element identifies the preliminary tasks the Council will undertake to complete the technical and public process culminating in a plan update.

*I-70 Corridor Study* – I-70 is an important regional and national transportation corridor, and ensuring the safe and efficient flow of people and goods within the corridor is a regional priority. This element summarizes the work needed to evaluate transportation issues and needs in the corridor and the effort to begin developing solutions that will enhance travel and economic development within the corridor.

**Summary of Estimated Costs for Functional Area:**

2.11 Multimodal Transportation Planning	\$216,000
2.12 Great Streets Project Definition Program	50,000
2.13 Great Streets Initiative	788,000
2.14 Coordinated Human Service Transportation Planning	29,000
2.15 Section 5310 Coordinated Human Service Transportation Planning	8,000
2.17 Transportation Corridor Planning-Missouri	140,000
2.19 Long-Range Transportation Planning	340,000
2.20 I-70 Corridor Study	1,500,000
<b>TOTAL</b>	<b>\$3,071,000</b>

## MULTIMODAL TRANSPORTATION PLANNING

### 2.11

#### Activities:

#### 1. Accessibility and Paratransit Planning

- a. Monitor the performance of the transportation system for mobility impaired populations.
- b. Consult and coordinate with mobility impaired advocates to develop funding and project approaches that address access issues.
- c. Enhance procedures for incorporating accessibility concerns into the TIP process.
- d. Compile data on obstacles to access and mobility and prepare informational materials for community education on access/mobility issues.
- e. Develop strategies to create efficiencies in transportation services for the elderly and individuals with disabilities.
- f. Communicate and disseminate information to government, not-for-profit, and for-profit agencies in the region that serve elderly, disabled, and low-income populations in the region.
- g. Assist local sponsors in developing paratransit grant applications.
- h. Conduct a project solicitation, evaluation, and selection process for Section 5310 funds as identified in the Coordinated Human Service Transportation Planning (CHSTP).

#### 2. Bicycle and Pedestrian Planning

- a. Organize regular meetings of and provide staff support to the Bicycle and Pedestrian Advisory Committee (BPAC) and BPAC working groups.
- b. Maintain inventory of local bikeway plans and facilities to support regional bicycle planning efforts.
- c. Implement appropriate strategies from the regional bicycle/pedestrian plan through outreach to local communities and organizations.
- d. Develop and provide educational resources to local governments on ways to incorporate bicycle and pedestrian facilities that use national best practices into projects submitted for TIP funding. Provide technical assistance to local project sponsors in implementing funded bicycle and pedestrian improvements.
- e. Create and maintain data for bicycle and pedestrian facilities for use in various transportation studies and reports.

## MULTIMODAL TRANSPORTATION PLANNING

### 2.11

- f. Develop a plan to update to the Council's regional bicycle/pedestrian plan. Begin a discussion about an? How about "Develop a plan to"?
- g. Work with local agencies to develop a system to track the number of persons using the region's bicycle/pedestrian network.
- h. Research potential opportunities to establish a program to conduct bicycle and pedestrian manual or automatic counts
- i. Provide assistance to local sponsors in developing projects and applications for TIP funding consideration

### 3. **Intermodal Freight Planning**

- a. Provide staff support for the newly created St. Louis Regional Freight District (Bi-State Development Agency).
- b. Continue the process of disseminating the findings and recommendations included in the regional freight study.
- c. Coordinate and/or assist in the creation of a Regional Freight GIS Inventory/Warehouse.
- d. Develop strategies for financing a Regional Rail Network Study in the Region.
- e. Refine the initial baseline assessment of the twenty-three Industrial Site Areas identified in the St. Louis Regional Freight Study.
- f. Provide assistance to state DOT's on regional freight needs, including presentations for DOT sub-groups and affiliated associations
- g. Coordination meetings with freight community on freight study recommendations

### 4. **Transit Oriented Development (TOD)**

- a. Provide technical assistance, including presentations, workshops, etc., (as appropriate), for regional or local constituents regarding TOD strategies and implementation.
- b. Support Metro's efforts to develop TOD along the MetroLink alignment or proposed future station areas.
- c. Respond to community requests for information regarding TOD (TOD study findings, data, federal, state, or local regulations, policies, issues, etc.)

## MULTIMODAL TRANSPORTATION PLANNING

### 2.11

#### 5. General Transportation Technical Assistance

- a. Respond to local government or other agency requests for small-scale transportation planning studies, needs/issue assessments, or general technical assistance.
- b. Respond to community requests for general transportation information (transportation data, federal or state legislation and regulations, transportation policies and issues, etc.).
- c. Produce video content that provides public information on the long-range transportation planning process. (consultant)

#### Products/Outcomes:

- A. Technical assistance, including paratransit funding workshop and grant assistance to local sponsors (*ongoing*)
- B. List of priority paratransit, accessibility, and mobility projects for TIP funding consideration (Spring 2016)
- C. Strategies for improving system efficiencies (*ongoing*)
- D. Information materials for community education on access/mobility issues (*ongoing*)
- E. Education resources for and outreach to local communities to advance recommendations of the regional bicycle and pedestrian plan (*ongoing*)
- F. Agendas, presentations, and proceedings for Bicycle and Pedestrian Advisory Committee (BPAC) meetings and BPAC working groups (*ongoing*)
- G. Develop a bicycle inventory manual to track constructed bicycle facilities in the region (*October 2015*)
- H. Strategies for the development of an updated East-West Gateway Bike and/or Pedestrian Plan (*June 2016*)
- I. Educational resources for and outreach to promote the newly established St. Louis Regional Freight District (*ongoing*)
- J. County Freight Scans/Profiles (profiles in freight) to equip the staffs of county planning agencies with increased understanding of freight trends and with greater capacity to address freight issues (*June 2016*)
- K. EWG Action Plan for freight activities and recommendations within the Regional Freight Study (*ongoing*)
- L. Presentations and workshops as requested by local representatives. (*ongoing*)

MULTIMODAL TRANSPORTATION PLANNING

2.11

M. Special reports relating to local planning studies, needs/issue assessments, or technical assistance (*ongoing*)

N. Responses to information requests (*ongoing*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$138,196
IDOT	44,064
Subtotal	<u>\$182,260</u>

**Local:**

EWG	<u>\$22,724</u>
IDOT	<u>11,016</u>
Subtotal	<u>\$33,740</u>
TOTAL	<u><u>\$216,000</u></u>

**Budget Summary by Activity**

Sub-Element	Amount
1	50,400
2	27,100
3	91,600
4	20,000
5	<u>26,900</u>
Total	<u><u>\$216,000</u></u>

## GREAT STREETS PROJECT DEFINITION PROGRAM - ILLINOIS

### 2.12

#### Activities:

1. Conduct a technical assistance planning workshop for one Illinois community within the East-West Gateway region based on the Great Streets Initiative program principles. Introduce the program to Illinois municipalities, assist them with applications, refine scope of work for the selected project, assist with consultant selection/procurement, facilitate a multi-day on site charrette workshop, and produce a summary report which clearly defines existing conditions, priorities, plan recommendations, and implementation strategies. (staff and consultants)
2. The program introduction will include presentations by EWG staff to existing elected officials and municipal staff through governmental and professional organizations, preparation of graphic and written materials, and dissemination through existing regional and professional networks. Presentations will include a call for applications from interested communities. EWG staff will provide technical assistance for application preparation.
3. EWG staff, with peer agency representation, will review applications and select one project to advance. EWG staff will then work with the selected community to define scope of work and select up to four individual consultants from specific disciplines.
4. The consultant team will include practitioners from economic analysis/planning, urban planning/design, transportation planning / engineering, and environmental infrastructure planning/engineering. The project applicant will facilitate community engagement and host the charrette workshop with direction/technical assistance from EWG staff. (staff and consultants)
5. Consultants will prepare for and conduct a three (3) or four (4) day on-site charrette workshop, open to the public. It will include interviews, focus groups, site visits, and public presentations, all while developing and refining plan options. Consultants will provide charrette summary memoranda that record the process, discussions, and recommendations. (staff and consultants)
6. EWG staff will use the memoranda to compile a graphic report, defining the project, its existing conditions, priorities, options, preferred options, and specific implementation strategies. The report will be the basis for the community to advance the project through strategic detailed planning, engineering, budgeting, policy changes, and implementation. (staff and consultants)
7. EWG staff will administer consultant contracts.

#### Products/Outcomes:

- A. Program introduction/definition brochure (*August 2015 OR December 2015*)

**GREAT STREETS PROJECT DEFINITION PROGRAM - ILLINOIS**

**2.12**

- B. Program introduction, presentations, and call for project applications (*August 2015 OR December 2015*)
  
- C. On-site multi-day project charrette (*Fall 2015 OR Spring 2016*)
  
- D. Draft and final project report (*Winter 2015 OR Summer 2016*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

IDOT	\$40,000
Subtotal	<u>\$40,000</u>

**Local:**

IDOT	<u>\$10,000</u>
Subtotal	<u>10,000</u>
TOTAL	<u><u>\$50,000</u></u>

## GREAT STREETS INITIATIVE

### 2.13

#### Activities:

1. Continue to support implementation efforts of previously planned projects; review project planning, design, and engineering activities for consistency with Great Streets principles; assist communities in developing multi-jurisdictional agreements, district plans, and construction projects in previously planned Great Streets corridors; support implementation funding efforts of the various project sponsors.
2. Evaluate project planning, design process, and project performance for lessons learned.
3. Study / develop tracking process for assessing secondary investment resulting from the Great Streets infrastructure improvements.
4. Conduct local official and agency outreach to expand community awareness of Great Streets program and principles; work and develop partnerships with other agencies interested in communicating with and educating local governments about Great Streets; develop educational materials that will assist communities in using the web-based design guide.
5. Advance one project through planning. Work with selected community and peer agencies to refine scope, select consultant team, conduct project planning and manage the consultant team through the planning process. EWG staff to administer consultant contract(s) and ensure all work is done in accordance with Great Streets principles. (*staff and consultant*)
6. Review projects submitted for TIP funding to determine their consistency with Great Streets principles, and provide technical assistance to local governments that will enable them to better incorporate those principles into project design.
7. Participate in implementation efforts for previously planned Great Streets Projects.
8. Maintain and update the web-based digital design guide, as appropriate.
9. Provide the Regional Plan for Sustainable Development (RPSD) implementation effort with Great Streets-related technical support.
10. Procure a consultant team for production of one Great Streets plan.
11. Produce video content that provides public information on the Great Streets Initiative.

#### Products/Outcomes:

- A. Completion of one Great Streets planning effort and plan document (June 30, 2016)

**GREAT STREETS INITIATIVE**

**2.13**

- B. Continued evaluations of lessons learned from previous demonstration projects (*ongoing*)
- C. Educational resources for community outreach and partnership activities (*ongoing*)
- D. Updates to digital design guide (*ongoing*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$630,400
Subtotal	<u>\$630,400</u>

**Local:**

EWG	\$37,600
TBD	<u>120,000</u>
Subtotal	<u>\$157,600</u>
TOTAL	<u><u>\$788,000</u></u>

**COORDINATED HUMAN SERVICES TRANSPORTATION PLANNING – NEW  
FREEDOM**

**2.14**

**Activities:**

1. Manage, maintain and implement the Coordinated Human Services Transportation Plan (CHSTP); update as necessary.
2. Communicate and disseminate the CHSTP to the target communities and government, not-for-profit, and for-profit agencies in the region who serve elderly and disabled persons. Provide technical assistance to these agencies, as needed, to make certain that projects they propose for funding are consistent with the CHSTP.
3. Monitor the implementation and performance of projects utilizing New Freedom funding.
4. Respond to questions related to the CHSTP, the project solicitation process, and funding, as needed.
5. Provide technical assistance, including paratransit funding workshop and grant assistance to local sponsors.

**Products/Outcomes:**

- A. Updated CHSTP (*June 2016*)
- B. Informational materials for community education regarding access, mobility, and funding issues (*ongoing*)

**COORDINATED HUMAN SERVICES TRANSPORTATION PLANNING – NEW  
FREEDOM**

**2.14**

**Estimated Costs:**

**Federal:**

New Freedom Funds

FTA	\$29,000
Subtotal	<u>\$29,000</u>
TOTAL	<u><u>\$29,000</u></u>

## SECTION 5310 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING

### 2.15

#### **Activities:**

1. Manage, maintain and implement the Coordinated Human Services Transportation Plan (CHSTP); update as necessary.
2. Manage and maintain the Section 5310 Program Management Plan (PMP).
3. Comply with Section 5310 program responsibilities, as outlined in the Section 5310 Memorandum of Understanding (MOU) and PMP.
4. Conduct a project solicitation, evaluation, and selection process for Section 5310 funds as identified in the CHSTP.
5. Monitor the implementation and performance of projects utilizing Section 5310 funding.
6. Communicate and disseminate the CHSTP to the target communities and government, not-for-profit, and for-profit agencies in the region who serve persons eligible for services under the Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310) formula programs. Provide technical assistance to these agencies, as needed, to make certain that projects they propose for funding are consistent with the CHSTP.
7. Respond to questions related to the CHSTP, the project solicitation process, and funding, as needed.
8. Provide technical assistance, including paratransit funding workshop and grant assistance to local sponsors.

#### **Products/Outcomes:**

- A. List of priority projects funded using Section 5310 funds for inclusion into the TIP (*Spring 2016*)
- B. Updated Coordinated Human Service Transportation Plan (*June 2016*)
- C. Informational materials for community education regarding access, mobility, and funding issues related to Section 5310 (*ongoing*)

**SECTION 5310 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING  
2.15**

**Estimated Costs:**

**Federal:**

Section 5310 Funds

FTA	\$8,000
Subtotal	<u>\$8,000</u>
TOTAL	<u><u>\$8,000</u></u>

## TRANSPORTATION CORRIDOR PLANNING – MISSOURI

### 2.17

#### Activities:

1. Review existing transportation conditions and regional, state, and local plans to identify subareas or corridors where major investment studies, operational analyses, or other types of long-range planning studies are warranted.
2. Work with partner agencies to define study needs and planning approaches in subareas and corridors warranting major analytical work.
3. Participate in on-going planning or environmental studies under the lead of implementing agencies; assist agencies and consultants in developing planning processes, work scopes, analytical methods and findings, reviewing study products, and selecting preferred alternatives; assist in community engagement activities.
4. Participate as a planning partner in corridor and environmental studies.
5. Provide land use and demographic data, demand forecasts, or model sets to planning partners or consultants to support corridor studies.
6. Provide management assistance for any corridor study as appropriate; work with regional peer planning agencies to support advisory committee and community engagement activities as needed; review and approve technical work and project documentation.
7. Present any results of corridor studies to Executive Advisory Committee (EAC) and Board of Directors and other parties for informational purposes or endorsement/approval, as appropriate.

#### Products/Outcomes:

- A. Corridor evaluations and study priorities (*ongoing*)
- B. Travel demand forecasts and other data products for planning partners (*ongoing*)
- C. Coordination meetings with cooperating agencies and participation in advisory committee and public meetings (*ongoing*)
- D. Review & comment on technical work, documentation, and draft/final reports as necessary (*ongoing*)
- E. Presentations to EAC, Board of Directors, and interested parties (*ongoing*)

**TRANSPORTATION CORRIDOR PLANNING – MISSOURI**  
**2.17**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$120,230
Subtotal	<u>\$120,230</u>

**Local:**

EWG	\$19,770
Subtotal	<u>\$19,770</u>
TOTAL	<u><u>\$140,000</u></u>

## LONG-RANGE TRANSPORTATION PLANNING

### 2.19

#### **Activities:**

1. Develop multi-year work program for the next update of the Metropolitan (Long-Range) Transportation Plan and make presentations on the newly completed plan.
2. Consult with regional transportation planning partners regarding long-range planning needs, policies, and programs.
3. Refine the planning framework based on changes in federal legislation (e.g. MAP-21), as well as state and local conditions.
4. Develop a performance management program based on federal legislation and guidance.
5. Research best practices used by other metropolitan areas to develop and communicate long-range transportation plans, including visualization methods and use of new technologies, and apply where applicable.
6. Conduct outreach to groups and organizations to create awareness of the long-range transportation planning process; solicit public input on regional transportation needs and issues.
7. Participate in relevant agency and partner initiatives and projects, such as those related to freight, sustainability, economic development, and bicycle/pedestrian and incorporate into the RTP process where applicable.
8. Participate in statewide planning, performance management, and project priority setting processes in both Illinois and Missouri.
9. Maintain agency-wide database to include current data necessary to support evaluation of transportation system performance.
10. Continue to refine performance management framework to integrate management and operations, ITS, transit, bicycle, pedestrian, accessibility, paratransit, safety, freight, economic development, climate change impacts, and sustainability issues.
11. Produce an annual system performance report for the RTP.
12. Assist with update to the TIP project evaluation criteria.
13. Develop a scenario planning process to analyze likely future land development patterns and travel behaviors and to evaluate the performance of alternative land use scenarios and transportation investments to help guide policy discussions
14. Provide consultation to and coordinate meetings with transportation planning

## LONG-RANGE TRANSPORTATION PLANNING

### 2.19

15. Produce video content that provides public information on the long-range transportation planning process.

#### **Products/Outcomes:**

- A. Metropolitan Transportation Plan work program (October 2015)
- B. Scenario planning work program (Spring 2016)
- C. RTP update presentations to Board, EAC, and supporting committees (*ongoing*)
- D. Data necessary to support RTP update and ongoing performance measurement program (*ongoing*)
- E. Annual RTP performance report (June 2016)
- F. Performance management program (*ongoing*)
- G. Refined planning framework and analytical/evaluation methods for evaluating transportation needs and the broader economic, community, and ecological impacts of alternative transportation investments (*ongoing*)
- H. Presentations to interested groups and agencies (*ongoing*)
- I. Public engagement related to the 2015 long range plan update (*ongoing*)

#### **Estimated Costs:**

##### **Federal:**

##### Trans Planning Funds

MoDOT	\$217,531
IDOT	69,360
Subtotal	<u>\$286,891</u>

##### **Local:**

EWG	<u>\$35,769</u>
IDOT	<u>17,340</u>
Subtotal	<u>\$53,109</u>
TOTAL	<u>\$340,000</u>

## I-70 Corridor Study

### 2.20

#### **Activities:**

1. Identify socioeconomic, cultural, and environmental resources along the corridor. *(Consultant)*
2. Create and execute a community engagement plan to ensure public involvement in defining issues and identifying improvement strategies. *(Consultant)*
3. Develop and define the purpose and need. *(Consultant)*
4. Develop corridor-wide strategies and screening methodology. *(Consultant)*
5. Identify preferred strategies and conduct an environmental impact analysis. *(Consultant)*
6. Prepare documentation for the planning-environmental linkage study, including technical memorandums and final reports. *(Consultant)*
7. Identify Sections of Independent Utility and Environmental Classification for future Tier II studies. *(Consultant)*

#### **Products/Outcomes:**

- A. Community engagement plan and activities *(June 2016)*
- B. Technical reports *(June 2016)*
- C. PEL questionnaire *(June 2016)*
- D. Draft Planning-Environmental Linkage report *(June 2016)*
- E. Action Plan Document that prioritizes Sections of Independent Utility *(June 2016)*
- F. Final Planning-Environmental Linkage report *(June 2016)*

**I-70 Corridor Study**  
**2.20**

**Estimated Costs:**

**Federal:**

STP Funds	MoDOT	\$700,000
CPG Transportation Planning Funds <sup>1</sup>	MoDOT	500,000
	Subtotal	<u>\$1,200,000</u>

**Local:**

	MoDOT	<u>300,000</u>
	Subtotal	<u>\$300,000</u>
	TOTAL	<u><u>\$1,500,000</u></u>

<sup>1</sup> Funds will be retained by MoDOT

STIP# 6I 3038

## REGIONAL DEVELOPMENT AND SUSTAINABILITY

### Background

Sustainability is about creating integrated and collaborative approaches to promote development of a prosperous, healthy and vibrant region. The elements in this category contribute to sustainable practices or an assessment of the impacts of regional development, with special consideration given to the relationship between transportation investment and development. The ten elements covered in this category concentrate on at least one of the following: examining the specific impacts of infrastructure investment on the natural environment; focuses on air quality issues and water quality planning; or involves providing support and planning capacity among local governments to improve the integration of transportation, housing, economic development, and environmental decisions.

*Ecological Approach to Infrastructure Development* – In the past, environmental assessments and impact mitigation activities have tended to be project based, with little attention given to the larger environmental effects or the cumulative ecological impacts of regional investment and development. This element is important to long-range transportation planning and represents a program to correct that deficiency. It creates a comprehensive ecological database for the region, implements a process for cooperative environmental planning among federal, state, and regional agencies, and develops methods for evaluating potential ecological impacts and mitigation measures associated with infrastructure investments.

*Southwestern Illinois Flood Prevention District Management* – This project provides management staff for the Southwestern Illinois Flood Prevention District Council to oversee the reconstruction of the flood protection systems along the Mississippi River in the Illinois counties of Madison, St. Clair and Monroe.

*Air Quality Coordination* – This program coordinates air quality planning activities between Illinois and Missouri agencies and assists the states in preparing necessary revisions to the mobile source component of State Implementation Plans (SIPs). The St. Louis region is currently classified as a marginal non-attainment area for ozone. It is also classified as non-attainment for fine particulate matter. East-West Gateway is responsible for coordinating the development of ozone and fine particulate control plans. SIP development and coordination activities and the development of the annual conformity determination in relation to the metropolitan transportation plan will continue in FY 2016. This program, also, provides technical support and coordination for a wide array of regional air quality issues and promotes cooperation with multiple resource agencies and regional stakeholders through monthly meetings with East-West Gateway's Air Quality Advisory Committee (AQAC).

*Ozone Data Sharing Project (2015 - 2016)* – This program is designed to serve as a clearinghouse for daily measured ozone information and facilitate the sharing of air quality information between the Missouri Department of Natural Resources (MoDNR), Illinois EPA (IEPA), St. Louis County, the City of St. Louis and other cooperating agencies. The collection and sharing of air quality monitoring data is an important component of East-West Gateway's regional responsibility for air quality coordination. The program will generate and maintain an

Air Quality Index (AQI) calendar as prescribed by EPA. The AQI color-coded calendar will be posted on the EWG website.

*Watershed Planning – (Water Quality Coordination)* – Since the adoption of the original Section 208 Plan, the agency has undertaken projects to implement the recommendations of the Plan, conduct planning studies and provide technical assistance to local communities. Pursuant to various EPA and state resource agency funding and other cost sharing programs staff will maintain continuity of effort with regional watershed planning efforts, and collaboration with the Regional Water Resources Council on water quality planning, storm water and flood plain management issues. Staff also provides assistance to member communities who desire to develop watershed management plans and storm water best practices.

*Missouri Regional 208 Water Quality Management Planning*– Regional Water Quality Management Planning is a requirement of Section 208 of the Federal Clean Water Act. East-West Gateway is designated as the 208 Water Quality Planning Agency for the five Missouri Counties, and is responsible for developing the region’s area wide Water Quality Management Plan. The original plans completed in 1978 have exceeded the 20-year time frame for which they were initially designed and an update is long overdue. Staff will work with local government and sewer district officials to conduct a limited review and update of the regional 208 Plan for selected priority areas in St. Louis, Jefferson, St. Charles, and Franklin counties. A coordinated planning effort using a watershed approach is the accepted method in analyzing planning areas and intergovernmental cooperation will be a key element in this effort to improve water quality services for citizens.

*Our Missouri Waters Initiative* – This element is part of an effort to focus water resource activities towards a coordinated and collaborative watershed approach to improving and protecting water quality and quantity. Strategic information gathering, planning and targeting for resources is needed to address current challenges. The Collaborative Watershed Process that is part of the Initiative identifies watershed priorities, including economic development and natural resource conservation, and provides information to the general public about watershed partnerships and projects in the Meramec River and Missouri River watersheds.

*604(b) Water Quality Management* – This element describes the effort to the need to support water quality management and planning, monitoring and other activities carried out by regional planning agencies and focuses on working with community leaders on water quality management planning and feasibility studies related to infrastructure needs and priorities pursuant to the Clean Water Act (CWA)

*Community Building* – Staff receives requests from local governments and regional partners for planning assistance on subjects that relate to the physical environment and building healthy communities. This work element enables planning staff to respond to those communities interested in planning, development, and best management practices and provides partnership opportunities from both the public and private sectors. Community building involves building collaborative networks, inter-departmental cooperation coordination of workshops, conferences, symposia, participating in planning related organizations, assisting with development of community plans, and liaison with federal, state, and local agencies. Staff provides support and

planning assistance, technical data, as well as leadership and coordination of local regional and national conferences and workshops in emerging planning and policy areas.

*Monitoring and Implementation of the All Hazard Mitigation Plan* – Recognizing that no community is immune from natural hazards such as tornadoes, flooding, earthquakes and severe weather, the Board adopted the 2004 plan for the Missouri portion of the region. An update was completed in 2010 and 2015. Staff communicates to communities the importance of the planning document and benefits of approving the updates to the plan.

*Sustainable Communities Plan Implementation* – Efforts under this project will OneSTL by assisting our local governments and neighborhood organizations in identifying ways to implement initiatives included in the plan.

**Summary of Estimated Costs for Functional Area:**

2.21 Ecological Approach to Infrastructure Development	\$320,000
2.25 Southwestern II Flood Prevention Dist. Management	195,000
2.32 Air Quality Coordination	67,275
2.33 Ozone Data Sharing Project	12,750
2.34 Missouri Regional 208 Water Quality Management Planning	20,000
2.35 Watershed Planning (Water Quality Coordination)	20,000
2.36 Our Missouri Waters Initiatives	187,000
2.37 604B Water Quality Management	100,000
2.38 Community Building	490,000
2.39 Monitoring & Implementing All Hazard Mitigation Plan	12,500
2.42 Sustainable Communities Plan Implementation	90,000
<b>Total</b>	<b>\$1,514,525</b>

## ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT

### 2.21

#### Activities:

1. Continue advancing the regional environmental framework (REF) to support integration of an ecological planning approach into transportation planning to aid in creating and implementing regional strategies to minimize and mitigate the environmental impacts of existing and planned transportation infrastructure and associated development.
2. Based on the REF, identify regional mitigation, conservation and restoration priorities amidst regulatory requirements and programmatic implementation opportunities that will lead to the achievement of greater environmental benefits and cost savings in the transportation planning process. Continue to incorporate ecological data sets within the short-range and long-range transportation planning processes.
3. Consult with federal, state, and local natural resource management, regulatory agencies and regional stakeholders with common resource conservation and sustainable development goals on the region's conservation opportunity areas, look for enhanced connectivity opportunities and update the regional data layer as appropriate.
4. Continue partnership with the MoRAP on the latest geo-spatial data technology, data applications and resource agencies application of the data to support planning and decision-making.
5. Coordinate with regulatory and resource agencies, state DOTs, and water infrastructure agencies on the technical components of the geo-spatial tools developed, in particular, development of refined land use classification for the urban areas of the region.
6. Conduct and participate in coordination meetings with regulatory and resource agency partners and outreach activities.
7. Acquire four-band aerial imagery of the eight-county region. (*Consultant*)
8. Apply the refined land cover classification methodology to the urban areas of the region to advance infrastructure planning, regional scenario planning, and short and long-range planning efforts. (*Consultant*)

#### Products/Outcomes:

- A. Refined strategies for regional mitigation priorities based on the ecological datasets and the LiDAR based Mississippi, Missouri, Meramec and Upper Silver Creek wetlands data layers that show wetland importance and wetland restoration potential (*June 2016*)
- B. Four-band aerial imagery of the eight-county region. (*Fall 2015*)

## ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT

### 2.21

- C. Refined land cover classification dataset for one-third of the urban areas of the region to advance infrastructure planning, regional scenario planning, short-range and long-range transportation planning activities (*June 2016*)

#### **Estimated Costs:**

##### **Federal:**

##### Trans Planning Funds

MoDOT	\$204,735
IDOT	65,280
Subtotal	<u>\$270,015</u>

##### **Local:**

EWG	<u>\$33,665</u>
IDOT	<u>16,320</u>
Subtotal	<u>\$49,985</u>
TOTAL	<u>\$320,000</u>

**SOUTHWESTERN ILLINOIS FLOOD PROTECTION INITIATIVE**

**2.25**

**Activities:**

1. Provide staff support on an as-needed basis for the Southwestern Illinois Flood Prevention District Council to manage the financing, design and oversee the reconstruction of the flood protection systems along the Mississippi River in the Illinois counties of Madison, St. Clair and Monroe.
2. Work with the Flood Prevention Districts, and local governments.

**Products/Outcomes:**

- A. Provide progress updates to the Southwestern Illinois Flood Prevention District Council Board on the levee restoration plans (*ongoing*)

**Estimated Costs:**

**Local:**

Southwestern Illinois Flood Prevention Dist. Council	<u>\$195,000</u>
Subtotal	<u>\$195,000</u>
TOTAL	<u><u>\$195,000</u></u>

## AIR QUALITY COORDINATION

### 2.32

#### Activities:

1. Coordinate air quality planning activities between Illinois and Missouri agencies (i.e. IEPA, MoDNR, Metro), and assist the states in preparing necessary revisions to the mobile source component of state implementation plans (SIP).
2. Organize and provide staff support for regular monthly meetings of the Air Quality Advisory Committee (AQAC) and Inter-Agency Consultation Group (IACG) comprised of federal and state air quality management agencies. Also, facilitate other ad-hoc technical committees that may be required by the state and federal agencies in their on-going air quality planning efforts.
3. Monitor and research the implications of federal and state air quality regulations in relation to new ozone and PM<sub>2.5</sub> NAAQs (National Ambient Air Quality) standards and evaluate the region's progress in meeting air quality goals.
4. On an as needed basis, assist the IEPA and MoDNR in the assessment and collection of greenhouse emissions data and policy information.
5. Collaborate and facilitate with the Inter-Agency Consultation Group in the preparation of conformity determinations and findings.
6. Collaborate with transportation and environmental organizations to promote public awareness of air quality issues and conformity findings via AQAC, presentations, electronic notifications and the Air Quality Resource Center webpage.

#### Products/Outcomes:

- A. Agendas, presentations, and proceedings for air quality committees, subcommittee, and consultation group meetings (*ongoing*)
- B. Updated technical work and files on all transportation control measure-related SIP and Conformity Determination issues and updates (*ongoing*)
- C. Results of the AQAC and IACG meetings on the East-West Gateway website (*ongoing*)

**AIR QUALITY COORDINATION**  
**2.32**

**Estimated Costs:**

**Federal:**

EPA

MoDNR- FY16	\$25,825
FY15	6,450
IEPA – FY 16	35,000
Subtotal	<u>\$67,275</u>
TOTAL	<u><u>\$67,275</u></u>

## OZONE DATA SHARING PROJECT

### 2.33

#### Activities:

1. Act as a repository for daily measured ozone data gathered by participating agencies from their pollutant monitor systems during the ozone season (April 1 – October 31).
2. Facilitate the sharing of ozone air quality information between MoDNR, IEPA, EPA Regions V and VII, and other affected agencies.
3. Collect, rectify, quality assure and tabulate data to create a uniform and single data set of ozone monitoring information; maintain and manage database; and interpret data and create specific charts and regular reports for the partner resource agencies.
4. Distribute information to participating agencies via, mail postings on the EWG website, and weekly and monthly reports.
5. Maintain the ozone data on the EWG website.
6. Calculate AQ Index from ozone data and construct monthly AQI color-coded calendars.

#### Products/Outcomes:

- A. Weekly, monthly and special reports on ozone concentrations to participating agencies (*ongoing*)
- B. Web based, color-coded calendar, which graphically displays the AQI ozone data on a monthly basis for the ozone season (*July 1, 2015 to October 31, 2015 and April 1, 2016 to June 30, 2016*)
- C. An ozone database and updated postings on the EWG website (*ongoing*)

#### Estimated Costs:

##### Federal:

EPA

MoDNR – FY 16	\$9,750
FY15	3,000
Subtotal	<u>\$12,750</u>
TOTAL	<u>\$12,750</u>

**MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLANNING**  
**2.34**

**Activities:**

1. Continue working with all regional stakeholders and local governments in the five Missouri counties to provide information on sewer and sewage treatment facility planning.
2. Meet with municipal and county governments and sewer districts on the status of their wastewater management and water quality activities.
3. Work with Missouri Department of Natural Resources to identify priorities to meet the anticipated needs of the region for the next 20 year period.
4. Provide general planning and education for communities for non-point source pollution, sludge, stormwater, watershed protection and other activities.
5. Facilitate intergovernmental cooperation for wastewater facility planning in the region.

**Products/Outcomes:**

- A. Updated information stored on GIS and in digital maps. (*ongoing*)
- B. Briefing papers and reports, power point presentations, and GIS products, which illuminate and support regional water quality issues. (*ongoing*)

**MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLANNING**  
**2.34**

**Estimated Costs:**

**Federal:**

EPA

MoDNR	\$20,000
Subtotal	<u>\$20,000</u>
TOTAL	<u><u>\$20,000</u></u>

## WATERSHED PLANNING - (WATER QUALITY COORDINATION)

### 2.35

#### Activities:

1. Host the Water Resources Committee to provide coordination and facilitation of regional water resources issues, as related to transportation and economic development and provide information to local governments, transportation departments, sewer districts and interested citizens.
2. Work with Illinois Partners including IEPA to identify funding and determine which agency will conduct the update for the three Illinois counties, including existing and proposed wastewater treatment facilities and stormwater management, to meet the anticipated municipal and industrial waste treatment needs of the region for the next 20 year period.
3. Provide information on the nine-element *Lower Meramec River Watershed Plan – Water Quality, Green Infrastructure, & Watershed Management (2012)*, as funding allows. As per MoDNR approval, review implementation activities, compare results with milestone goals and revise the watershed plan as needed.
4. Update and maintain toolkit of best management practices that local governments can use in watershed planning and publish on EWG website and the OneSTL website.
5. Meet with local government officials and citizens on Meramec River watershed issues.

#### Products/Outcomes:

- A. Distribute watershed planning, rainscaping and septic tank brochures to local governments, and other interested groups. (*ongoing*)

#### Estimated Costs:

##### Federal:

EPA

MoDNR	\$20,000
Subtotal	\$20,000
TOTAL	\$20,000

## OUR MISSOURI WATERS INITIATIVE

### 2.36

#### Activities:

2. Form a technical committee of federal, state, and local agencies and other technical experts to assist in identifying priority issues for each of the Meramec and Missouri Rivers.
3. Meet with local officials, regional planning commissions, agricultural groups, tourist businesses, and environmental groups for each of the Meramec and Missouri Rivers.
9. Form a watershed advisory committee and plan, host, facilitate, and document meetings of the watershed advisory committee for each of the Meramec and the Missouri Rivers.
10. For both the Meramec and the Missouri River project, communicate information to the general public about the collaborative watershed process.
11. Compile information and assist with the development of a State of the Watershed document for each of the Meramec and the Missouri Rivers.

#### Products/Outcomes:

- A. A technical committee for each of the Meramec and the Missouri Rivers
- B. Meetings with interested groups and with the watershed advisory committees for each of the Meramec and the Missouri Rivers
- C. A representative watershed advisory committee for the Meramec River Basin (*September 2015*)
- D. A representative advisory committee for the lower Missouri River Basin (*January 2016*)
- E. A state of the watershed document for the Meramec River basin (*June 2016*)
- F. A state of the watershed document for the lower Missouri River basin (*October 2016*)

**OUR MISSOURI WATERS INITIATIVE**  
**2.36**

**Estimated Costs:**

**Federal:**

EPA

MoDNR	\$187,000
Subtotal	<u>\$187,000</u>
TOTAL	<u><u>\$187,000</u></u>

## 604B WATER QUALITY MANAGEMENT

### 2.37

#### Activities:

1. Work with community leaders on water quality management planning and feasibility studies.
2. Prepare green infrastructure plans, including types of best practices, recommended locations and funding strategies
3. Support local communities in assessing and identifying their infrastructure needs and priorities.

#### Products/Outcomes:

- A. Feasibility or pre-feasibility study that supports communities seeking to improve water quality and protect human health. (June 2017)

#### Estimated Costs:

##### Federal:

EPA

MoDNR	\$100,000
Subtotal	<u>\$100,000</u>
TOTAL	<u><u>\$100,000</u></u>

## COMMUNITY BUILDING

### 2.38

#### Activities:

1. Assist in coordinating organizational support and development for member communities through local symposia, conferences, workshops, and field events on a wide variety of land-use and transportation issues related to developing prosperous, healthy, resilient communities throughout the metropolitan region.
2. Foster collaboration by working with local governments, state and federal agencies, local planning organizations, business partners, and academic institutions to address local and regional needs.
3. Regularly disseminate information through regular publication of *Local Government Briefings*.
4. Support combined efforts of planning departments, transportation departments, and water resource management agencies to incorporate goals of watershed planning to minimize stormwater runoff and advance more cost effective infrastructure planning activities.
5. Respond to special requests from member communities for assistance with research, planning, and public educational programs to address economic, transportation, environmental, and /or social challenges in achieving a healthy and sustainable future.
6. Practice outreach, education and coordination related to the OneSTL Plan (December 2013), to public agencies and other organizations concerned with regional issues. Through ongoing maintenance and use of the OneSTL website, share information about best practices, important trends, legislative issues, grants and initiatives related to transportation, land use, water and air quality, and development of healthy communities.
7. Advance priorities in OneSTL Plan by working with partners in the Network, comprised of public, private and non-profit entities, and working together to advance OneSTL goals.
8. Work with OneSTL partners on initiatives that address the interrelated needs of transportation infrastructure, water infrastructure, sanitary sewers, stormwater, flood mitigation, water quality, parks, trails, greenways, active living/healthy lifestyles and biodiversity.
9. Collaborate with fellow EWG staff on implementation opportunities for OneSTL goals and initiatives that address the transportation planning process and research priorities.
10. Maintain ongoing collaboration with local and regional partners to improve communications and understanding of federal, state, and local regulations and the related impacts on local policies and practice.
11. Conduct project reviews as required by state and federal agencies and provide project review information for the Board of Directors.

## COMMUNITY BUILDING

### 2.38

#### Products/Outcomes:

- A. Weekly publication of *Local Government Briefings*. (*ongoing*)
- B. Timely response to member communities and regional partners who seek planning assistance, research and problem solving across jurisdictional boundaries (*ongoing*)
- C. Conferences, symposia, and workshops for local government staff and elected officials that focus on relevant and timely issues (*ongoing*)
- D. Meeting facilitation, data assembly and analysis related to the implementation of OneSTL initiatives (June 2016)

#### Estimated Costs:

##### Federal:

##### Trans Planning Funds

MoDOT	\$313,500
IDOT	99,960
Subtotal	<u>\$413,460</u>

##### Local:

EWG	<u>\$51,550</u>
IDOT	<u>24,990</u>
Subtotal	<u>\$76,540</u>
TOTAL	<u><u>\$490,000</u></u>

**UPDATING THE ALL-HAZARD MITIGATION  
PLAN FOR THE MISSOURI PORTION OF THE REGION**

**2.39**

**Activities:**

1. Coordinate with local governments on the updated All Hazard Mitigation Plan for Missouri and work towards approval of the Plan.
2. Continued participation in the SEMA / FEMA and Missouri Association Council of Governments coordinated effort to maintain the All Hazard Mitigation Plan for the Missouri portion of the St. Louis region pursuant to the Disaster Mitigation Act of 2000.

**Products/Outcomes:**

- A. Information for participating communities regarding FEMA regulations and policy changes as it relates to hazard mitigation requirements and guidelines (*ongoing*)
- B. Dissemination and sharing of mitigation strategies and hazard data to participating communities (*ongoing*)

**Estimated Costs:**

**Federal:**

FEMA

SEMA	\$9,375
Subtotal	\$9,375

**Local:**

EWG	\$3,125
Subtotal	\$3,125
TOTAL	\$12,500

## SUSTAINABLE COMMUNITIES PLANNING IMPLEMENTATION

### 2.42

#### Activities:

1. Work with partner organizations on the Steering Committee to secure funds (especially through HUD, DOT, EPA) to implement individual initiatives of OneSTL.
2. Collaborate with Steering Committee partners to promote OneSTL.
3. Develop and maintain project priorities for OneSTL working through the Network comprised of local governments, neighborhood organizations, not-for-profit organizations, businesses, private funders, community groups and residents in finding partners and financial resources to support implementation.

#### Products/Outcomes:

- A. Collaboration with wide range of organizations to achieve a healthy, vibrant and prosperous future for the St. Louis region. (*ongoing*)

#### Estimated Costs:

##### Federal:

HUD/EPA/DOT	\$45,000
Subtotal	\$45,000
TOTAL	\$45,000

##### Local:

Other	\$45,000
Subtotal	\$45,000
TOTAL	\$90,000



## REGIONAL SECURITY

### Background

St. Louis Area Regional Response System (STARRS) is a consortium of key public and private organizations that has been organized to address critical security needs in the region. With East-West Gateway as the fiscal agent for STARRS a partnership was created that enables professionals in many key fields relating to emergency management to work together to better prepare the region to prevent and respond to natural disasters and terrorist acts, and provides for accountability to the region's chief local elected officials.

The geographic divisions in the St. Louis region require that homeland security responses be carefully planned by a collaborative organization that spans the area's fragmented political landscape. In addition, the complexity of a regional response to a myriad of potential threats, whether naturally occurring or intentional, requires the involvement of a wide variety of disciplines – healthcare, public safety, public health, emergency response, communications, and many others. It also requires a partnership between public and private sectors, since many key assets are privately owned and operated. The purposes of the work elements in this category are to provide the organizational framework for STARRS to accomplish the plans and develop the systems that are necessary for an effective regional security response, and to support through capital purchases and training the many agencies that will ultimately be responsible for response to major incidents and disasters. The most significant projects that will be part of the agency's work in FY 2015 are the continued update of the St. Louis Regional Threat and Hazard Identification and Risk Assessment (THIRA), the Multi Year Training & Exercise Plan, and initializing the final phase of the Mass Fatality Resource Coordination Plan.

*Urban Area Security Initiative* – The Council receives funding from Missouri Office of Homeland Security/Department of Homeland Security/Federal Emergency Management Agency (MO OHS/DHS/FEMA) to administer and implement the Urban Areas Security Initiative (UASI) grant program in the St. Louis region. The work under this grant includes updating the St. Louis Regional Emergency Resource Coordination plan for the St. Louis metropolitan area, providing support to critical incident response teams and Citizen Preparedness programs, supporting information and intelligence sharing among agencies, and supporting cross-jurisdictional cooperation among emergency services providers. This grant also supports the design and installation of the St. Louis Regional Digital Microwave System, the purchase of equipment to support mass casualty capability, disaster preparedness and response, and training exercises.

*Bioterrorism Preparedness for Hospitals* – EWG receives funding from the Missouri Department of Health and Senior Services/U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness & Response (MoDHSS/ASPR) to support hospitals in the St. Louis region in planning, preparing for, and responding to all-hazard events. Staff supports plans for enhancing hospitals' surge capacity in mass fatality and patient care during a mass casualty incident. Other efforts include enhancement of hospitals' capacity to: treat patients with major trauma or burns, decontamination of patients and personnel, distribution

of medicine and medical supplies during biological events, and interoperable communications capability.

**Summary of Estimated Costs for Functional Area:**

2.81 Urban Area Security Initiative	\$5,625,000
2.86 FirstNet Coordination Program	10,000
2.88 Bioterrorism Preparedness for Hospitals	421,850
<b>TOTAL</b>	<b>\$6,056,850</b>

## URBAN AREAS SECURITY INITIATIVE (UASI)

### 2.81

#### **Activities:**

1. Work with subject matter experts from regional emergency service providers including fire and law enforcement agencies, healthcare, public health, non-governmental organizations, and elected officials to update the regional emergency resource coordination plan for the St. Louis metropolitan region.
2. Perform system administration monitoring of the St. Louis Regional Digital Microwave Network across 70+ tower sites in the City of St. Louis, Jefferson, Madison, Monroe, St. Clair, St. Charles, and St. Louis Counties.
3. Support the critical incident response teams through the sustainment of seven hazardous materials teams, five heavy rescue teams, three ordinance disposal (bomb) teams, and seven law enforcement tactical operations units within the region.
4. Enhance healthcare capability to handle mass casualties with sheltering equipment, medical supplies, decontamination equipment, and training.
5. Support law enforcement and other agencies to enhance sharing and use of information and intelligence among agencies and policy makers in the metropolitan area.
6. Support Citizen Preparedness programs that address local efforts to achieve greater community resilience from the threats of crime, terrorism, and disasters.
7. Support cross-jurisdictional cooperation among emergency service providers in the region by coordinating the collection, integration, and distribution of geographic data and orthoimagery.
8. Purchase capital equipment and services to support the implementation of plans.

#### **Products/Outcomes:**

- A. Plans in place for interoperable communications, critical incident response, disease surveillance, and a coordinated citizen response (*ongoing*)
- B. Interagency agreements necessary to implement critical incident response plans (*ongoing*)
- C. Training exercises to test the validity and reliability of homeland security plans (*ongoing*)
- D. Seamless regional data files (i.e. addressable centerlines, orthoimagery) distributed to emergency service providers (*ongoing*)

**URBAN AREAS SECURITY INITIATIVE (UASI)**

**2.81**

**Estimated Costs:**

**Federal:**

DHS

MO OHS	
FY15	\$2,850,000
MO OHS	
FY13/ FY14	
(carryover)	<u>2,775,000</u>
Subtotal	<u>\$5,625,000</u>
TOTAL	<u>\$5,625,000</u>

**FIRSTNET COORDINATION PROGRAM**

**2.86**

**Activities:**

1. Provide administrative support to coordinate / host regional outreach events to educate local users about the National Public Safety Broadband Network and solicit their input.

**Products/Outcomes:**

- A. Meeting minutes / results to the Missouri Association of Councils of Government and Missouri Department of Homeland Security (*March 2015*)

**Estimated Costs:**

**Federal:**

US Department of Commerce

MODPS/MACOG	<u>\$10,000</u>
Subtotal	<u>\$10,000</u>
TOTAL	<u><u>\$10,000</u></u>

## BIOTERRORISM PREPAREDNESS FOR HOSPITALS

### 2.88

#### Activities:

1. Test and enhance plans for all-hazard events among hospitals and other healthcare organizations in the metropolitan St. Louis area.
2. Support the integration of plans between hospitals and local public health, law enforcement, fire and emergency medical services agencies, as well as volunteer organizations.
3. Support hospitals' plans for enhancing surge capacity in patient care during a mass casualty incident.
4. Support hospitals' plans for enhancing surge capacity in mass fatality in a post-catastrophic incident.
5. Support area hospitals in development of plans for distribution of medicine and medical supplies during a biological event.
6. Support area hospitals in increasing their capacity to treat patients with major trauma or burns.
7. Enhance the hospitals' capability to provide decontamination of patients and health care personnel.
8. Enhance the hospitals' interoperable communications capability to allow communication with other hospitals and other agencies responding to a chemical, biological, radiological, nuclear, or explosive event.
9. Continue building healthcare partnerships and coalitions with regional organizations, such as the Red Cross, Long Term Care Facilities, and governmental entities.
10. Purchase capital equipment and services to support the implementation of plans.

#### Products/Outcomes:

- A. Training and exercises to test the validity and reliability of existing all-hazard preparedness plans such as Regional Healthcare Coordination Plan / St. Louis Medical Operations Center and Regional Mass Fatality Plans (*ongoing*)
- B. Continuing education programs and workshops such as Psychological First Aid / Train-the-Trainer and Emergency Preparedness Planning for Emergency Ambulatory Surgery Centers (*ongoing*)

**BIOTERRORISM PREPAREDNESS FOR HOSPITALS**  
**2.88**

**Estimated Costs:**

**Federal:**

ASPR/DHSS	<u>\$421,850</u>
Subtotal	<u>\$421,850</u>
TOTAL	<u>\$421,850</u>



## POLICY

Total budgeted for this program area: \$332,000



## REGIONAL POLICY ANALYSIS

### Background

The work elements organized under Regional Policy Analysis reflect the agency's commitment to better understand the fiscal condition of the region as it pertains to transportation planning and public service investment. They also lay the groundwork for future planning efforts across the agency.

Through a comprehensive analysis of our regional transportation and public service investment policies, the agency aims to understand the relationship between regional fiscal patterns and priorities and economic growth. Across the country, many local governments are increasingly facing a fiscal crisis – public revenues are significantly down while the demand for many public services is up. The states of Missouri and Illinois and local governments of the bi-state St. Louis region have not been spared. The revenue crisis has created tensions between different levels of government and between neighboring jurisdictions, as each struggle to find ways to increase its share of the shrinking resource pie. Although the relationship between investments in public services and economic development is not well understood, such understanding of the region is vital to support our infrastructure needs, as well as the economic and social vitality of the region.

There is no crystal ball to show us the future direction of the region. It is clear however, that there are many critical issues that affect the region's overall sustainability and health. Drawing upon information highlighting the region's current social, economic and environmental health and using that as a basis to begin a serious dialogue regarding the region's future and how it will be influenced by the nature and scope of the region's transportation system is critical to the research and policy work carried out by the agency. Drawing on this data and research, staff in the Policy area will draw conclusions and offer ideas about where the region is heading, and how to effect change, if change is deemed necessary by area decision makers.

The two work elements described in this section represent the agency's efforts to use available research and data resources to inform policy and decision-making.

*Transportation Finance* – The future of transportation funding continues to be uncertain. With local, state and federal transportation funding mechanisms stressed to their limits and projected to decline in the years ahead, the agency will research the present and future state of transportation funding as it affects the region. To maintain the current highway and transit funding models used in the TIP, the RTP, and corridor studies it is essential to evaluate current long- and short-term financial trends based on reasonably anticipated revenues. This research also will establish baseline needs for preserving and maintaining the current system and identify funds available for transportation system enhancement and expansion.

*Regional Competitiveness* – The regional competitiveness element consists of four main tasks. First, staff will assemble and analyze comparative data to assess how the St. Louis region compares with peer metropolitan areas across numerous social and economic indicators. Second, staff will work with regional partners to track performance on addressing regional challenges and

meeting the region’s goals. Third, staff will monitor potential changes in transportation funding and options for adapting to new funding environments. Finally, staff will assemble data to assess and situate the market position of the regional economy, and research best practices and policy options for improving economic performance.

**Summary of Estimated Costs for Functional Area:**

3.01 Transportation Finance	\$32,000
3.06 Regional Competitiveness	300,000
<b>Total</b>	<b>\$332,000</b>

## TRANSPORTATION FINANCE

### 3.01

#### Activities:

1. Maintain highway and transit funding models used to establish financial capacity for the TIP and corridor studies.
2. Evaluate current funding data and trends, and identify funds available for system preservation, enhancement, and expansion.
3. Identify and evaluate alternative funding scenarios based on existing and potentially new revenue sources at the federal, state, and regional levels.
4. Monitor and participate in, where warranted, state action on potential transportation funding initiatives; prepare informational materials and presentations on these programs.
5. Monitor and report on actions related to a new federal transportation authorization.
6. Establish financial constraint for the TIP and other planning initiatives.

#### Products/Outcomes:

- A. Revised financial database and forecasting models (*ongoing*)
- B. Reports or presentations on the federal transportation reauthorization, future transportation funding, alternative funding scenarios, and specific funding proposals (*ongoing*)

#### Estimated Costs:

##### Federal:

##### Trans Planning Funds

MoDOT	\$20,474
IDOT	<u>6,528</u>
Subtotal	\$27,002

##### Local:

EWG	<u>\$3,366</u>
IDOT	<u>1,632</u>
Subtotal	<u>\$4,998</u>
TOTAL	<u>\$32,000</u>

## REGIONAL COMPETITIVENESS

### 3.06

#### Activities:

1. Continue to use and update *Where We Stand* information and data to identify issues critical to the fiscal, economic, and social well-being of the region. Develop relevant and functional policy analysis products to facilitate regional discussions about these issues to support the transportation planning process.
2. Work with regional partners to: track performance on addressing regional challenges and meeting the region's goals; provide updated data and contextual information that enables regional and local leaders to understand the region's challenges and opportunities; and update the performance indicators used for measurement based on local knowledge and data availability.
3. Assemble data, issue reports and update agency webpage content on topics of regional significance.
4. Monitor and analyze federal and state statutes and regulations that affect the region.
5. Respond to inquiries and research requests from the Board and local governments.
6. Attend conferences and meetings that further the understanding of social and economic issues related to transportation planning in the region.

#### Products/Outcomes:

- A. Research reports and presentations that illuminate research findings on issues of regional significance (*ongoing*)
- B. Webpage and summary report on the region's status in meeting regional goals based on a set of performance indicators (*ongoing*)
- C. Multiple data sets relating to issues of regional significance (*ongoing*)
- D. Policy memos, webpage content and briefings/blog posts highlighting regional issues (*ongoing*)

## REGIONAL COMPETITIVENESS

### 3.06

#### Estimated Costs:

##### Federal:

##### Trans Planning Funds

MoDOT	\$191,939
IDOT	61,200
Subtotal	<u>\$253,139</u>

##### Local:

EWG	<u>\$31,561</u>
IDOT	<u>15,300</u>
Subtotal	<u>\$46,861</u>
TOTAL	<u><u>\$300,000</u></u>



## COMMUNITY ENGAGEMENT

Total budgeted for this program area: \$453,000



## COMMUNITY ENGAGEMENT AND LOCAL GOVERNMENT SERVICES

### Background

East-West Gateway staff members participate in numerous community engagement activities in order to better understand and represent the needs and concerns of regional citizens and our member governments and to engage citizens and local government officials in our regional problem solving activities. The agency's Public Involvement Plan is designed to ensure a regional public involvement process that is proactive in providing complete information, timely public notice, diverse techniques, full public access to key decisions, and early and continual involvement in the development of regional plans and community building programs.

Our commitment and approach is based on three important tenets:

- Citizens should know how decisions are made about the investment of tax dollars in public projects.
- Individuals and communities affected by the outcome of regional decisions want to have their opinions and perspectives taken into consideration.
- Planners cannot maintain current and relevant knowledge about regional problems without learning from citizens directly affected.

The community engagement process involves cross cutting elements in East-West Gateway's planning responsibilities in transportation, community planning, environment, land use, regional security, research services and economic growth. The community engagement staff works with all agency departments to support and assist in the planning and implementation of agency community involvement activities. The staff works also with other agencies interested in regional issues, i.e., transportation, workforce diversity, housing, sustainability, and community development to ensure high levels of quality information and ample opportunities for meaningful involvement.

Presentation to the public and regional stakeholders of complex information is enhanced by the use of high quality visual presentation assisted by the GIS staff, graphic design, and consultants when necessary. In addition staff has been developing computer simulation models to look at long-term impacts and future scenarios in land-use alternatives and transportation planning.

Over the coming year staff will begin implementation of a newly approved public involvement plan and continue to look for opportunities to expand the agency's reach to a public that relies less on traditional means of communication and information gathering. Information, calendars, events, meetings, and surveys can be managed interactively in new ways that will help keep the agency current with technology and expanding its audience. Community engagement staff will also work with specific program staff to develop and implement customized approaches to public engagement that fits the needs of the project/initiative.

A wide array of techniques and approaches is employed in the community engagement process:

- East-West Gateway Committees.
- External Committees and Partnerships.
- Publications, i.e., Gateways; Local Governments Briefings; Where We Stand; How We See It; Talking the Talk, A Pocket Guide to the Language of Transportation Planning; Annual Public Officials Directory; and various informational brochures.
- Print Media.
- The Internet, e.g., [www.ewgateway.org](http://www.ewgateway.org), other electronic media and visualization techniques.
- Technical Assistance and Training.
- Workshops and Conferences.

*Public Involvement* – This element represents an ongoing commitment to create an objective, informed, trusting, and open partnership with local governments, public agencies, the private sector, and the citizens of the St. Louis region. Obtaining public input and comment is essential to the creation of comprehensive plans. Public involvement includes added emphasis on outreach to underserved and hard to reach populations and employment of new techniques to reach citizens who rely less on traditional outlets for information.

**Summary of Estimated Costs for Functional Area:**

4.01 Community Engagement - Public Involvement	\$346,000
<b>Total</b>	<b>\$346,000</b>

## COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT

### 4.01

#### Activities:

1. Implement Public Involvement Plan and track and evaluate plan effectiveness in EWG's transportation planning efforts.
2. Assist agency departments with the development and implementation of specifically targeted community engagement plans for agency projects including short-range and long-range transportation planning.
3. Create and identify new opportunities and techniques for the agency to engage member communities in conversations on issues of regional importance related to transportation, community building, housing, the environment, and economic opportunity including hard-to reach and underserved populations.
4. Develop creative visualization techniques and methods such as video, interactive mapping and other electronic media to optimize public understanding of regional transportation and community building issues.
5. Coordinate with staff to improve the East-West Gateway website along with visual and printed products to ensure the provision of quality community engagement information and public participation information and resources in an easily accessible format. Produce video content for web-site to help increase public involvement for transportation planning. (*staff and consultant*)

#### Products/Outcomes:

- A. Implementation of EWG Public Involvement Plan (*ongoing*)
- B. Increased levels of community and local government participation and feedback on EWG projects (*ongoing*)
- C. Panel discussions, newsletters, and participation in community organizations. (*ongoing*)
- D. Expanded interactive public involvement internet presence for the agency and continued development of informative print documents (*ongoing*)

**COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT  
4.01**

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$221,370
IDOT	70,584
Subtotal	<u>\$291,954</u>

**Local:**

EWG	<u>\$36,400</u>
IDOT	<u>17,646</u>
Subtotal	<u>\$54,046</u>
TOTAL	<u>\$346,000</u>

## LOCAL GOVERNMENT SUPPORT

### Background

East-West Gateway is committed to strengthening local governmental jurisdictions (our membership) through the provision of technical assistance, information dissemination, policy analysis, and education to elected and non-elected officials and staff and the communities they serve. Through local government support, the agency provides tools, assistance, and resources for local officials to make better and more informed decisions and fosters collaboration and cooperation between units of federal, state, and local governments.

These efforts include the Local Government Partnership, a collaborative effort between the East-West Gateway Council of Governments, University of Missouri-St. Louis Public Policy Administration (UMSL PPA) Program, and the Center for Ethics in Public Life at UMSL (CEPL). The partnership exists to create a resource in the St. Louis region and statewide through which senior local government officials can access quality information, technical assistance, and training that will enhance the capacity of their municipalities to address and respond to existing and emerging constituent and governmental needs.

*Local Government Partnership* – EWG will continue to collaborate with UMSL PPA Program, and the CEPL to create information and training support and opportunities for local governments. These collaborative efforts include offering training opportunities like the Chancellor’s Certificate in Planning and Zoning Program and other training workshops and classes. EWG will continue to work with the St. Louis Area City Managers Association (SLACMA), the Southwestern Illinois City Management Association (SWICMA) and the Missouri City Clerks and Finance Officers Association–Eastern Missouri (MCCFOA) on programming for local governments and their constituents. EWG will also continue its support of local communities by providing strategic planning and facilitation assistance, and providing planning and implementation support for local conferences and workshops. The annual Public Officials Directory will also be published.

*Local Government Assistance* – EWG will continue to support local governments in the region by providing technical assistance to local communities in the areas of public administration, personnel plans, consultant selection, budgeting, and grant writing. EWG will also plan, coordinate, and manage the East-West Gateway Annual Meeting and Awards program.

### Summary of Estimated Costs for Functional Area:

4.11 Local Government Partnership	\$82,000
4.97 Local Government Assistance	25,000
<b>Total</b>	<b>\$107,000</b>

## LOCAL GOVERNMENT PARTNERSHIP

### 4.11

#### Activities:

1. Maintain regular contact with local government members and partner agencies and provide technical assistance, training, and information/outreach services on governance, transportation planning, economic development, and environmental concerns, as well as facilitation services, strategic planning, customized workshop design and other services as requested.
2. Increase effectiveness and efficiency of local government services by fostering regional collaboration and partnerships.
3. Continue collaboration with the University of Missouri Public Policy Administration Program (PPA) and the Center for Ethics in Public Life at UMSL (CEPL) to create information and training resources for local government employees and officials entering the local government sector and the communities they serve.
4. Update and produce the East-West Gateway Public Officials Directory.
5. Continue to work with the St. Louis Area City Management Association (SLACMA), the Southwestern Illinois City Management Association (SWICMA), the Missouri City Clerks and Finance Officers Association-Eastern Division and the American Planning Association-St. Louis Metro section, the UMSL Center for International Studies on programming for local governments.
6. Help maintain and provide content for the local government portion of the EWG website.
7. Continue to build partnerships with regional stakeholders and other organizations in the private and public sectors to identify shared priorities, information, and assistance available to member communities and to offer workshops and conferences.
8. Meet with mayors, city managers and other local officials and agencies to discuss technical assistance projects and implementation of projects of interest to local governments.

#### Products/Outcomes:

- A. Targeted training opportunities for local government officials through UMSL, including continuation of the Chancellor's Certificate in Planning and Zoning Program in cooperation with the APA- St. Louis Metropolitan Section. (*ongoing*)
- B. Public Officials Directory in electronic and printed versions and made accessible on the agency web-site with new edition published in early summer (*electronic version – continuously updated, New edition released July 2015*)

**LOCAL GOVERNMENT PARTNERSHIP**

**4.11**

C. Website content relevant to local government officials and their citizens. (*ongoing*)

**Estimated Costs:**

**Federal:**

Trans Planning Funds

MoDOT	\$52,463
IDOT	16,728
Subtotal	<u>\$69,191</u>

**Local:**

EWG	<u>\$8,627</u>
IDOT	<u>4,182</u>
Subtotal	<u>\$12,809</u>
TOTAL	<u>\$82,000</u>

## LOCAL GOVERNMENT ASSISTANCE

4.97

### Activities:

1. Plan, coordinate, and manage the 2015 East-West Gateway Annual Meeting and Awards program recognizing achievement by local agencies and citizens.
2. Provide technical assistance to member communities in the area of public administration, personnel plans, recruitment, consultant selection, budgeting, grant writing, etc.

### Products/Outcomes:

- A. Annual Meeting of the East-West Gateway Council including the Outstanding Local Government Achievement Award Program (*November 2015*)
- B. Reports, plans, or studies in accordance with fee for service and/or in-kind service contracts or agreements (*ongoing*)

### Estimated Costs:

#### Local:

EWG	\$18,500
Other	<u>\$6,500</u>
Subtotal	<u>\$25,000</u>
TOTAL	<u><u>\$25,000</u></u>

## ***APPENDICES***



## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

### **1.01 REGIONAL TRAVEL DEMAND MODELING & SYSTEM EVALUATION**

During FY 2015, staff managed the refinement of the travel demand model based on the results of the on-board regional transit survey. Staff prepared travel demand forecasts for the Transportation Improvement Plan (TIP) and the metropolitan transportation plan, as well as providing modeling support and demand forecasts to state, regional, and local agencies. Staff also continued to coordinate with LEAM model activities and solicited, reviewed, and finalized Functional Classification System updates for approval. Staff employed the new EPA air quality model MOVES for conformity analyses related to the TIP and the metropolitan transportation plan.

### **1.02 ON-BOARD REGIONAL TRANSIT SURVEY**

In FY 2015, the Council-managed consultant completed the updated calibration and validation of the regional travel demand model based on inputs from the on-board regional transit survey. The consultant also prepared technical documentation on the model and its uses.

### **1.03 GREENHOUSE GAS INITIATIVE**

In July, 2014, the Federal Highway Administration (FHWA) issued a call for proposals designed to conduct greenhouse gas or energy analysis of transportation related emission in the planning process. Council staff submitted a proposal, with the cooperation of Saint Louis University (SLU), and the proposal was selected for funding. The purpose of the project is to develop capacity to estimate greenhouse gas emissions from on-road vehicles at regional and sub-regional scales, and to analyze future emissions for multiple policy and land use scenarios. EWG will collaborate with SLU's Center for Environmental Studies (CES) to develop GHG emissions inventories by building capacity to analyze GHG emissions using EWG's Motor Vehicle Emissions Simulator (MOVES) and Land use Evolution and Assessment Model (LEAM). All work is to be completed in CY2015. In FY2015, staff and partners examined and refined inputs to the MOVES model, and developed routines for use in processing outputs from the MOVES model.

### **1.05 GEOGRAPHIC INFORMATION SYSTEM IMPLEMENTATION**

Throughout FY 2015, East-West Gateway maintained its GIS at the current industry standard. New datasets were acquired and made available to the public. These new datasets include updated street centerlines, a finalized smoothed urban boundary, and updated functional classification for roadways. Staff has used these and other datasets in transportation corridor projects, the *Connected2045* long range plan and grassroots watershed planning efforts. Staff provided maps and data for the update of the Hazard Mitigation plan. GIS staff contributed analysis and maps for tracking OneSTL sustainability metrics. East-West Gateway GIS staff attended the Missouri GIS Advisory Committee's biannual conference and hosted meetings of local GIS users groups. Staff developed new map design styles and templates for the agency's publications. Staff selected a contractor to provide updated aerial imagery for the region and gathered preliminary data for coordinated emergency dispatching. Staff provided assistance to local governments, agencies and citizens' groups, and engaged in distribution of 2012 aerial imagery. Staff made use of the OneSTL data portal and the Missouri Spatial Data Information Service to disseminate GIS data to the public. Staff also highlighted and presented new datasets to the public through the publication of Maps of the Month on the agency website.

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

### **1.06 INFORMATION MANAGEMENT & SERVICES**

During FY 2015, staff continued to update the contents of the Council's web site [www.ewgateway.org](http://www.ewgateway.org). Major updates were completed to the Master Client Database, the database used to track and contact planning process participants and local officials. Staff updated the process of collecting STP-S and CMAQ project application information via the Council's web site. Updates and additional feature were added to the in-house TIP database application, used to collect and manage TIP project information. Staff identified and began acquiring computer hardware/software upgrades which would improve in-house planning operations.

### **1.12 REGIONAL DECISIONS SUPPORT SYSTEMS**

During FY 2015, staff collected and analyzed socioeconomic and demographic information to support planning activities of internal staff and agency members. Staff developed and maintained the internal platform for accessing and updating the agency's databases and provided requested data and technical assistance to agency staff, local governments and the general public. Staff developed land use, population and employment forecasting scenarios to support the travel demand modeling system, and used a FHWA data set for tracking roadway congestion. Staff acquired and processed several large data sets including updated American Community Survey data, Longitudinal Employer-Household Dynamics data, and Consumer Expenditure Survey microdata. Staff collaborated with LEAM Group in maintenance and support of the LEAM desktop application, and continued using the system in-house at the agency. Staff collaborated with federal officials and colleagues throughout the Midwest to assess potential impacts of climate change on transportation systems. Staff provided support to the long range planning process by acquiring and processing data on safety, pavement condition, bridge condition, and transportation costs. Staff responded to requests for data and information from local governments and the general public, and provided technical assistance and training for agency data users

### **2.01 INTEGRATED TRANSPORTATION SYSTEMS MANAGEMENT**

During FY 2015, staff coordinated with regional and state partners to implement the Congestion Management Process (CMP). As part of the CMP, staff continued to develop performance measures and identify potential data sources. Staff convened meetings of the Congestion Management Committee (CMC) and CMC Technical Advisory Committee to discuss performance measures and mitigation strategies, and to share local practices, and staff obtained the RITIS national travel time database and began analyzing regional travel conditions. Staff also solicited a consultant to conduct an update the region's ITS architecture.

### **2.02 INTELLIGENT TRANSPORTATION SYSTEMS (ITS) ARCHITECTURE UPDATE**

During FY 2015, a Council-managed consultant completed a comprehensive update of the St. Louis Regional ITS Architecture. Working with a broad range of stakeholders, the consultant documented existing ITS assets, developed operating concepts for the continued development and coordination of the system, and identified implementation strategies.

### **2.03 TRANSPORTATION IMPROVEMENT PROGRAM & PROJECT MONITORING**

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

During FY 2015, EWG staff conducted and completed activities to support the development of the Transportation Improvement Program (TIP), TIP amendments, and required Air Quality Conformity Determinations. Staff also managed and monitored projects in the TIP, which included presenting semi-monthly reports on the status of programmed projects, to ensure projects moved forward according to sponsor schedules.

### **2.04 TRANSPORTATION PLANNING DATA COLLECTION AND ANALYSIS; INTEGRATED TRANSPORTATION SYSTEM MANAGEMENT (MoDOT):**

#### **2.05 TRANSPORTATION SAFETY INITIATIVE**

During FY 2015, staff worked closely with MoDOT, local agencies, and a consultant to finalize strategic safety plans in three of the five MO counties and to initiate studies in the remaining two counties. Staff worked with IDOT and county engineers to coordinate state and local activities related to the IL safety plans completed for the three IL counties. Staff participated in meetings and activities of the MO Coalition for Roadway Safety and participated in the IDOT sponsored Drive for Tomorrow safety program.

#### **2.07 TRANSIT SYSTEM PLANNING AND DEVELOPMENT (METRO)**

#### **2.08 REGIONAL STRATEGIC SAFETY PLANS**

During FY 2015, the MoDOT-managed consultant finalized strategic safety plans for Jefferson and St. Louis counties and the City of St. Louis and initiated planning in Franklin and St. Charles counties. These plans identify major safety issues, including crash locations, and provide safety countermeasure and strategy recommendations.

#### **2.09 TRANSPORTATION PROGRAM ADMINISTRATION**

During fiscal year 2015, updated the Title VI Plan and met with IDOT and FHWA officials regarding the implementation of Title VI requirements in staff planning activities. Staff also reported on DBE accomplishments for MODOT and FTA. Staff monitored the work on the FY 2015 UPWP, drafted and reviewed FY 15 work program reports. Finally, staff has developed the FY 2016 UPWP. Work in these areas will continue into the FY16 UPWP.

#### **2.11 MULTIMODAL TRANSPORTATION PLANNING**

##### ***Accessibility and Paratransit Planning:***

During 2015, staff worked with Metro and MCT to implement newly programmed JARC and New Freedom projects. Staff worked with local sponsors to begin developing paratransit, accessibility, and mobility project applications for programming consideration. Staff also coordinated with IDOT, MoDOT, Metro and MCT to define a new regional structure for the Section 5310 program and execute all necessary agreements.

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

### ***Bicycle Pedestrian Planning:***

During FY 2015, staff managed the Council's Bicycle Pedestrian Advisory Committee and organized two working groups to assist in specific program areas. Staff coordinated with Great Rivers Greenway and other local agencies on implementing and revising the Gateway Bike Plan and the Bike St. Louis Phase III plan. Staff also created a new TAP application and revised bike/ped components of the STP-S application process.

### ***Intermodal Freight Planning:***

During FY 2015, staff prepared a detailed database for the 23 industrial sites identified in the Regional Freight Plan and met with various groups to communicate the study's findings and coordinate future actions. Staff also led a process to develop a regional freight transportation district that would coordinate regional infrastructure, logistics and supply chain issues, and economic development decisions.

### ***General Transportation Technical Assistance:***

During FY 2015, staff participated in the development of various local and state planning studies, needs/issue assessments, and provided technical assistance and support.

## **2.13 GREAT STREETS INITIATIVE**

During FY 2015, staff continued to support the Manchester Road, Natural Bridge Road, Pagedale, and Grand Center Great Streets projects and took steps to advance into engineering the West Florissant Avenue project in Ferguson and Dellwood. Staff updated the web-based digital guide and continued outreach efforts to expand awareness of and provide educational materials on the Great Streets program and its principles.

## **2.14 COORDINATED HUMAN SERVICE TRANSPORTATION PLANNING**

During FY 2015, staff continued to manage and maintain the Coordinated Human Services Transportation Plan and provide technical assistance to local agencies needing support or advice. Staff continued to identify revisions to the planning and programming of relevant projects based on new federal guidance.

## **2.17 TRANSPORTATION CORRIDOR PLANNING – MISSOURI**

During FY 2015, staff continued its collaboration with MoDOT on the I-270 corridor study and worked with MoDOT on the initial phases of the I-70 study. Staff also cooperated with MoDOT on defining future corridor study needs and priorities. Staff further provided technical support for the Loop Trolley project and advised on the emerging St. Louis City streetcar project.

## **2.19 LONG RANGE TRANSPORTATION PLANNING**

During FY 2015, staff worked to complete an update of the long-range transportation plan. Staff refined the new evaluation framework for project and system level analyses, held a series of workshops on long-range planning principles and priorities, sponsored a four-part speaker series on topics related to the long-range plan, and completed both the plan document and a State of the System report.

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

### **2.20 I-70 CORRIDOR STUDY**

During FY 15, MoDOT, in conjunction with the Council and Metro, initiated the I-70 Corridor Study to examine issues and needs in the multi-county corridor and to begin developing transportation options for enhancing access, mobility, and economic development. MoDOT held a number of public engagement activities, including convening a technical advisory committee and a senior advisory committee, developed an existing conditions report, and prepared a draft Purpose and Need statement. The project was subsequently suspended because of MoDOT's fiscal issues.

### **2.21 ECOLOGICAL APPROACH TO INFRASTRUCTURE DEVELOPMENT**

In FY 2015, staff continued compiling and mapping additional ecological data for the eight-county region. Staff engaged federal, state, and local resource agencies in consultations to examine needs, disseminate information, and establish the utility of the data and ecological framework. Staff continued work on developing methods for employing the framework in a wide-range of project and corridor evaluations and mitigation planning.

### **2.25 SW ILLINOIS FLOOD PROTECTION INITIATIVE**

During fiscal year 2015, staff continued to provide management services for the Southwestern Illinois Flood Prevention District Council.

### **2.32 AIR QUALITY COORDINATION**

During fiscal year 2015, staff prepared and distributed agendas, presentations, and proceedings for air quality committees, subcommittee, and consultation group meetings and special reports. Staff held and recorded eight Air Quality Advisory Committee (AQAC) meetings and six Inter-Agency Consultation Group (IACG) meetings. Staff monitored and researched the implementation of the 2008 8-hour ozone standard and evaluated the region's progress in meeting air quality goals. Ozone monitoring data provided the baseline information for this assessment. Staff is assisting EWG's Research Department and Transportation Department on a project to improve EWG's capacity to do greenhouse gas inventories and model transportation-related emissions. Staff continues to review and enhance the Conformity Users Guide, which contains regionally significant project selection criteria. The Users' Guide was developed in close coordination with IACG, and it establishes guidelines for the conformity process. Staff coordinated with Clean Cities program in cooperation with OneSTL to monitor alternative fuel information. Staff provided technical assistance and MOVES model data inputs for the Alternative Fuels for Air Quality Implementation Planning Project of the Mid-America Collaborative for Alternative Fuels (includes St. Louis Regional Clean Cities Program). Staff maintained and updated the Air Quality Resource Center website. Staff updated draft report on historical ozone data, trend lines and current locations.

### **2.33 OZONE DATA SHARING PROJECT (2014-2015)**

During FY 2015, this program served as a clearinghouse for daily measured ozone information and to facilitate the sharing of air quality information between the Missouri Department of Natural Resources (MoDNR),

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

Illinois EPA (IEPA), St. Louis County, the City of St. Louis and other cooperating agencies. The program generated and maintained an Air Quality Index (AQI) calendar as prescribed by EPA. The AQI color-coded calendar is posted on the EWG website.

### **2.36 MISSOURI REGIONAL 208 WATER QUALITY MANAGEMENT PLAN INITIATIVE:**

Regional Water Quality Management Planning is a requirement of Section 208 of the Federal Clean Water Act. East-West Gateway is designated as the 208 Water Quality Planning Agency for the five Missouri Counties, and is responsible for developing the region's area wide Water Quality Management Plan. During FY 2015, staff worked with local government and sewer district officials on aspects of the regional 208 Plan and continued watershed approach when analyzing planning areas and intergovernmental cooperation in the effort to improve water quality services for citizens.

### **2.37 REGIONAL BIO-RETENTION PLANNING, RESEARCH, AND IMPLEMENTATION**

During fiscal year 2015, using funding from US EPA through Missouri Department of Natural Resources, staff coordinated contracts with the City of St. Louis Board of Public Service and Metropolitan St. Louis Sewer District (MSD) to plan and install regional bio-retention alternatives (rain gardens) along South Grand Blvd. EWG hired a team led by SIU-E to conduct pre-installation monitoring of pollutants entering storm sewers in the project area, and developed a quality assurance project plan (QAPP) with all team members. The team completed pre-construction sampling and collection of rainfall data and volume of runoff in partnership with Metropolitan St. Louis Sewer District. Staff worked with the South Grand Community Improvement District (CID) on the installation of decorative fencing around the rain gardens, developed an educational brochure and worked with Southern Illinois University – Edwardsville (SIUE) and MSD for post-construction sampling.

### **2.38 COMMUNITY BUILDING**

In FY 2015, staff has focused community building assistance on educational outreach, collaboration with professional organizations and planning for local transportation, sustainable development, and energy use. Staff has coordinated and partnered with multiple organizations to plan conferences and workshops. Staff also responded to local government requests for planning assistance and fostered collaboration among local governments, and with state and federal agencies, local business partners and academic institutions. To facilitate local program coordination, staff produced weekly Local Government Briefings that provide our members and interested citizens with up-to-date activities in the region.

### **2.39 UPDATING THE ALL HAZARD MITIGATION PLAN FOR THE MISSOURI PORTION OF THE REGION**

In FY 2015, staff worked with counties in the Missouri portion of the region to update the All Hazard Mitigation Plan and submitted the updated plan to SEMA and FEMA. Staff worked with communities to ensure that evolving policy and regulatory changes are reflected in community plans and that communities are making progress toward implementing hazard mitigation initiatives.

### **2.42 SUSTAINABLE COMMUNITIES PLANNING IMPLEMENTATION**

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

In December 2013, East-West Gateway's Board of Directors approved OneSTL. In FY 2015, Staff maintained an interactive website with plan information, resources and a sustainable solutions toolkit, and continued collaboration with a wide range of organizations on OneSTL themes and goals

### **2.81 URBAN AREAS SECURITY INITIATIVE (UASI)**

During fiscal year 2015 staff has worked to expend funds from the fiscal years 2013 and 2014 UASI grant programs, and closure of the 2011 and 2012 grants. While working with various committees, working groups and emergency response teams, staff continues to finalize work on the regional digital microwave network, regional interoperable communications planning, the public awareness campaign, medical reserve corps volunteer recruitment, citizen preparedness, medical evacuation planning and equipping law enforcement, hazardous materials response and urban search and rescue teams (swiftwater and technical rescue teams) as well as mass fatality response teams and medical surge and mass prophylaxis planning with the region's hospitals and public health departments. In addition, staff received the fiscal year 2014 UASI award in October 2014, and has begun working on the procurements related to that grant.

### **2.84 REGIONAL PORT SECURITY**

In fiscal year 2015 (grant year 2011), staff provided administrative and fiscal support to the St. Louis Area Maritime Security Committee (AMSC) and U.S. Coast Guard on the FY11 grant program, and completed the closure of the FY11 grant. Staff attended meetings and worked with various regional teams on completing procurement of equipment and services. In addition, staff was responsible for monitoring compliance with grant requirements and preparing reports to the Department of Homeland Security / Federal Emergency Management Agency. FEMA removed the fiduciary agent process in the FY12 grant program, and EWG has not overseen the subsequent Port Security Grant Program fiscal years.

### **2.86 FIRSTNET COORDINATION PROGRAM**

In fiscal year 2015, staff coordinated one (1) meeting for the FirstNet Coordination program. The state of Missouri subsequently cancelled two quarterly meetings statewide as they are re-structuring the program. Staff anticipates coordinating one (1) more meeting this fiscal year.

### **2.88 BIOTERRORISM PREPAREDNESS FOR HOSPITALS**

Staff has continued to build upon the planning and development of capacity and capabilities to strengthen all-hazards disaster preparedness planning for Medical Surge Capacity and Capability during large scale emergencies that has the potential to affect over 60 regional hospitals. To that end, staff developed and implemented regional disaster/emergency preparedness plans and protocols for hospitals and other participating health care entities to improve the capacity of the health care system in a regional and statewide collaborative effort. They continued to facilitate development and refinement of a regional system to plan for and provide immediate medical response through formal agreements and disbursement of funds between and to hospitals for all-hazards incidents and events resulting in mass casualties and fatalities. In addition, staff continued to

## **APPENDIX A: SUMMARY OF FY2015 UPWP ACTIVITIES FOR FUNDED ELEMENTS**

support and assist the healthcare system through facilitation and implementation of education and exercises to increase preparedness for all-hazards including pandemic influenza and mass casualties due to earthquakes.

### **3.01 TRANSPORTATION FINANCE**

During FY 2015, staff monitored federal activities pertaining to MAP-21 and a new transportation authorization and the failed Missouri funding initiative. Staff developed briefing materials and made presentations to the Board and other groups on the status of federal and state funding and the Missouri initiative. Staff also developed a series of new financial projections to establish the fiscal constraint used in the long-range transportation plan update.

### **3.06 REGIONAL COMPETITIVENESS**

In FY2015, staff completed two *Where We Stand Updates*, as well as the 7<sup>th</sup> edition of *Where We Stand*. These publications provide facts on the St. Louis region's market position compared to its peer regions, using data to identify issues critical to the fiscal, economic and social well-being of the region. The 7<sup>th</sup> edition of *Where We Stand* compared St. Louis to peer regions across more than 100 variables, including economic, demographic, social, and transportation-related metrics. The *Where We Stand Updates* provided additional information on sustainability and racial disparity in the region. Staff also supported OneSTL by researching relationships between housing, transportation, the economy and the environment, as well as best practices for improving performance in the areas of environment, equity and economy; these findings were incorporated in the OneSTL Report to the Region. In addition, staff coordinated a pilot project to report on local government performance measures in collaboration with partners. Staff produced periodic reports showing St. Louis's contribution to the Missouri economy, updated databases on local public fiscal health and monitored federal and state legislation with the potential to impact the region's competitiveness. Staff responded to inquiries and requests for information from the Board, local governments, and the general public.

### **4.01 COMMUNITY ENGAGEMENT – PUBLIC INVOLVEMENT**

In FY 2015, staff worked on implementation of the new public involvement plan and participated in efforts designed to extend the agency network of partnering agencies. Efforts were also focused on extending our outreach to harder to reach populations. Staff served as members of numerous organizations and committees that serve the older adult, disabled and minority communities and worked to ensure inclusion of these communities in our public involvement planning process. Community Engagement staff served as a resource internally for numerous projects that have public outreach requirements by assisting staff develop outreach plans for the Long-Range Transportation Plan and the Transportation Improvement Program.

### **4.11 LOCAL GOVERNMENT PARTNERSHIP**

In Fiscal Year 2015, EWG strengthened its on-going relationships with partner organizations. The LGP offered Planning and Zoning training for a 11th year in conjunction with the local chapter of the American Planning Association and UMSL and collaborated with our regional City Manager's Associations and other regional organizations that serve local government on the development and implementation of many successful professional development programs. We also assisted with the 3<sup>rd</sup> annual conference held by the Center for

**APPENDIX A:  
SUMMARY OF FY2015 UPWP ACTIVITIES  
FOR FUNDED ELEMENTS**

Ethics in Public Life at UMSL. Staff provided facilitation services to public entities that needed meeting and other technical assistance. EWG also continued to publish the Public Officials Directory and provided updated information for the EWG website in order to provide better access to information relevant to Local Governments. Staff served as members of and liaisons for numerous organizations and committees that serve member governments.

**4.97 LOCAL GOVERNMENT ASSISTANCE**

In fiscal year 2015, EWG held an annual meeting in November and presented its Local Government Achievement Awards. These awards are designed to recognize outstanding local government individuals, projects and collaborations that have occurred during the previous year and have measurable positive impacts in our communities and our region.

**APPENDIX A:  
SUMMARY OF FY2015 UPWP ACTIVITIES  
FOR FUNDED ELEMENTS**

**COMPLETED/DISCONTINUED FY 2015 WORK ELEMENTS & NEW WORK**

**ELEMENTS FOR FY 2016**

<b>Completed/Discontinued FY 2015 Work Elements</b>	<b>New Work Elements for FY 2016</b>
<b>1.02 On-Board Transit Survey</b> <b>2.02 Intelligent Transportation System Architecture Update</b> <b>2.08 Regional Strategic Safety Plans</b> <b>2.37 Regional Bio-Retention Planning, Research &amp; Implementation</b> <b>2.84 Regional Port Security Initiative</b>	<b>2.12 Great Streets Project Definition Program</b> <b>2.15 Section 5310 Coordinated Human Service Transportation Planning</b> <b>2.37 604B Water Quality Management</b>

**APPENDIX B:  
SOURCE OF ELIGIBLE MODOT DIRECT COSTS**

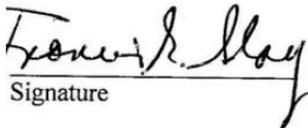
<b>Title</b>	<b>Yearly Salary</b>	<b>Yearly Fringe*</b>	<b>Yearly Total</b>	<b>% Eligible</b>	<b>Yearly Eligible</b>
District Traffic Engineer	\$75,180	\$59,693	\$134,873	40	\$53,949
Traffic Operations Engineer	\$67,092	\$53,271	\$120,363	50	\$60,182
Traffic Operations Engineer	\$71,016	\$56,386	\$127,402	45	\$57,331
Traffic Operations Engineer	\$71,016	\$56,386	\$127,402	25	\$31,851
Senior Traffic Studies Specialist	\$56,676	\$45,000	\$101,676	25	\$25,419
Traffic Technician	\$32,280	\$25,630	\$57,910	50	\$28,955
<b>Total</b>	<b>\$373,260</b>	<b>\$296,366</b>	<b>\$669,626</b>		<b>\$257,686</b>

**APPENDIX C:  
METROPOLITAN TRANSPORTATION PLANNING PROCESS  
CERTIFICATION**

**METROPOLITAN TRANSPORTATION PLANNING PROCESS  
CERTIFICATION**

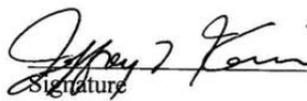
In accordance with 23 CFR 450.334, the Illinois Department of Transportation, the Missouri Department of Transportation, and the East-West Gateway Council of Governments, the Metropolitan Planning Organization for the St. Louis urbanized area, "certifies" that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

1. 23 U.S.C. 134, 49 U.S.C. 5303, and 23 CFR 450 Subpart C;
2. Sections 174 and 176(c) and (d) of the Clean Air Act as amended (42 U.S.C. 7504, 7506(c) and (d) and 40 CFR Part 93
3. Title VI of the Civil Rights Act of 1964, as amended(42 U.S.C. 2000d-1) and 49 CFR Part 21;
4. 49 U.S.C. Section 5332 prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the Moving Ahead fro Progress in the 21<sup>st</sup> Century Act (MAP-21) (Public Law 112-141) and 49 CFR Part 26 regarding the involvement of disadvantaged business enterprises in US DOT funded projects;
6. 23 CFR Part 230, regarding the implementation of an equal employment opportunity program on federal and federal-aid highway construction contracts;
7. The provision of the Americans With Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 49 CFR parts 27, 37, and 38;
8. The Older Americans Act (as amended 42 U.S.C. 6101) prohibiting discrimination on the basis of age in programs or activities receiving federal financial assistance;
9. Section 324 of the Title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR Part 27 regarding discrimination against individuals with disabilities.

  
Signature

Mr. Francis G. Slay  
Chairman, Board of Directors  
East-West Gateway  
Council of Governments

July 30, 2014  
Date

  
Signature

Mr. Jeffrey L. Keirn  
Deputy Director  
of Highways  
Region 5 Engineer  
Illinois Department  
of Transportation

July 30, 2014  
Date

  
Signature

Mr. Greg Horn  
District Engineer  
Missouri Department  
of Transportation

July 30, 2014  
Date

**APPENDIX D:  
EAST-WEST GATEWAY COMMITTEES AND MEMBERS**

**Board of Directors:**

***Board Officers for 2015:***

Mark Kern, *Chair*, St. Clair County Board Chairman  
Ken Waller, *Vice Chair*, County Executive, Jefferson County  
Alan Dunstan, *2<sup>nd</sup> Vice Chair*, Madison County Board Chairman

***Executive Committee:***

Steve Ehlmann, County Executive, St. Charles County  
John Griesheimer, Presiding Commissioner, Franklin County  
Terry Liefer, County Commission Chairman, Monroe County  
Francis G. Slay, Mayor, City of St. Louis  
Steve Stenger, County Executive, St. Louis County

***Other Members:***

Mark Eckert, Vice President, Southwestern Illinois Council of Mayors  
John Hamm, Mayor, City of Madison, President, Southwestern Illinois Metropolitan  
and Regional Planning Commission  
Thomas P. Schneider, St. Louis County Municipal League  
John Miller, Mayor, City of Collinsville, President, SW IL Council of Mayors  
Alvin Parks, Mayor, City of East St. Louis  
Lewis Reed, President, Board of Aldermen, City of St. Louis

***Board Appointments:***

Ted Hoskins, Mayor, City of Berkeley, representing St. Louis County  
Jim Terry, Jefferson County Council Member, representing Jefferson County  
Jack Minner, Madison County Board Member, representing Madison County  
Roy Mosley, St. Clair County Board Member, representing St. Clair County  
John White, St. Charles County Councilman, representing St. Charles County

***Regional Citizens:***

Richard Kellett  
Barbara Geisman  
James A. Pulley  
John A. Laker  
Dave Stoecklin

***Non-Voting Members:***

Charles Ingersoll  
Edie Koch  
John Nations  
Brian May  
Dave Nichols

### **Executive Advisory Committee**

**Jim Fields, Chairman**

**Jason Jonas, Vice Chairman**

Steve Ables  
Mokhtee Ahmad  
Tracy Beidleman  
Bruce Carmitchel  
David Courtway  
Thomas Curran  
Deeann Ducote

Gary Elmestad  
Joseph Hagerty  
Michael Henderson  
Greg Horn  
Steve Johnson  
Jeffrey Keirn  
Ronald E. Longley  
Brad McMahon

Ralph McDaniel  
Aaron Metzger  
Judy Nelson  
Joseph Parente  
Walter Pearson  
Michael Powers  
Mark Schenkelberg  
Karen Shoup

Stephanie Leon- Streeter  
Kevin Terveer  
Betsy Tracy  
Josh Wiese  
Hope Woodson  
Jonathan Zimmerman

### **Air Quality Advisory Committee**

David Bloomberg  
Lance Feezel  
Jack Fishman  
Susannah Fuchs  
Mike Henderson

Jerry J. Kane  
Delores Lysakowski  
Gary Marshall  
Brad McMahon  
Heather Navarro

Michael J. Right  
Christopher Schmidt  
Eric Schneider  
Steve Schneider  
Ryan Tilley

Betsy Tracy  
Wendy Vit  
Joe Winkelmann  
Michael Zlatic

### **St. Louis Bicycle & Pedestrian Advisory Committee**

**Lenora Fisher, Chair**

**Elizabeth Simons, Vice-Chair**

Tom Blair  
Marielle Brown  
Laura Ellen  
Andy Heaslet

John Hicks  
Karen Karabell  
John Kohler  
Curtis Jones

Donovan Larson  
Michael Murray  
Mark Phillips  
Elizabeth Simons

Mary Vandevord  
Bryan Werner  
Jeremy Wolfmeyer

### **STARRS Board of Directors**

**Abraham Cook, President**

**Gary Christmann, Vice President**

Jim Allred  
John Anthony  
Frank Arnoldy  
Mike Arras  
Debbie Beezley  
Jon Belmar  
Gary Bird  
Greg Brown

Mark Diedrich  
Sam Dotson  
Don Feher  
Justin Hauser  
Nicole Hawkins  
Charles Healy  
Ed Hillhouse  
Dennis Jenkerson  
Tom Koch

Joann Leykam  
Debbie Mays  
John Miller  
John Nowak  
Larry Ringering  
Ernie Rhodes  
Warren Robinson  
Bill Roche

Curtis Schildknecht  
Herbert Simmons  
Morris Taylor  
Mark Thorp  
David Todd  
Ryan Weber  
Barb Whitaker  
Robert Wylie

### **Sustainable Development Steering Committee**

Stephen Acree  
Todd Antoine  
Justin Carney  
Kim Cella  
Louis Colombo  
Anna Crosslin

Eddie Davis  
Deborah Frank  
Jennifer George  
Laura Gilbert  
Will Jordan

Ellen Krohne  
Jessica Mefford-Miller  
Frank Miles  
Debra Moore  
Yvonne Sparks

Colleen Starkloff  
Dave Stoecklin  
Todd Swanstrom  
Catherine Werner  
John Woolschlager

### **Transportation Planning Committee**

Steve Ables  
Tracy Beidleman  
Richard Bradley  
Jeff Church  
Jim Fields  
Lenora Fisher

John Greifzu  
Bill Grogan  
Larry Gullede  
Mark Gvillo  
Michael Henderson  
Kevin Hutchinson

Jason Jonas  
Jerry J. Kane  
Ted Medler  
Aaron Metzger  
Jessica Medford-Miller  
Hart Nelson

Richard Sauget, Jr.  
Wesley Stephen  
Craig Tajkowski  
Ron Williams

### **Regional Water Resources Committee**

Russell Batzel  
David Berger  
Roland Biehl  
Tracy Boaz  
Bradley Brown  
Lorin Crandall  
Katherine Dockery

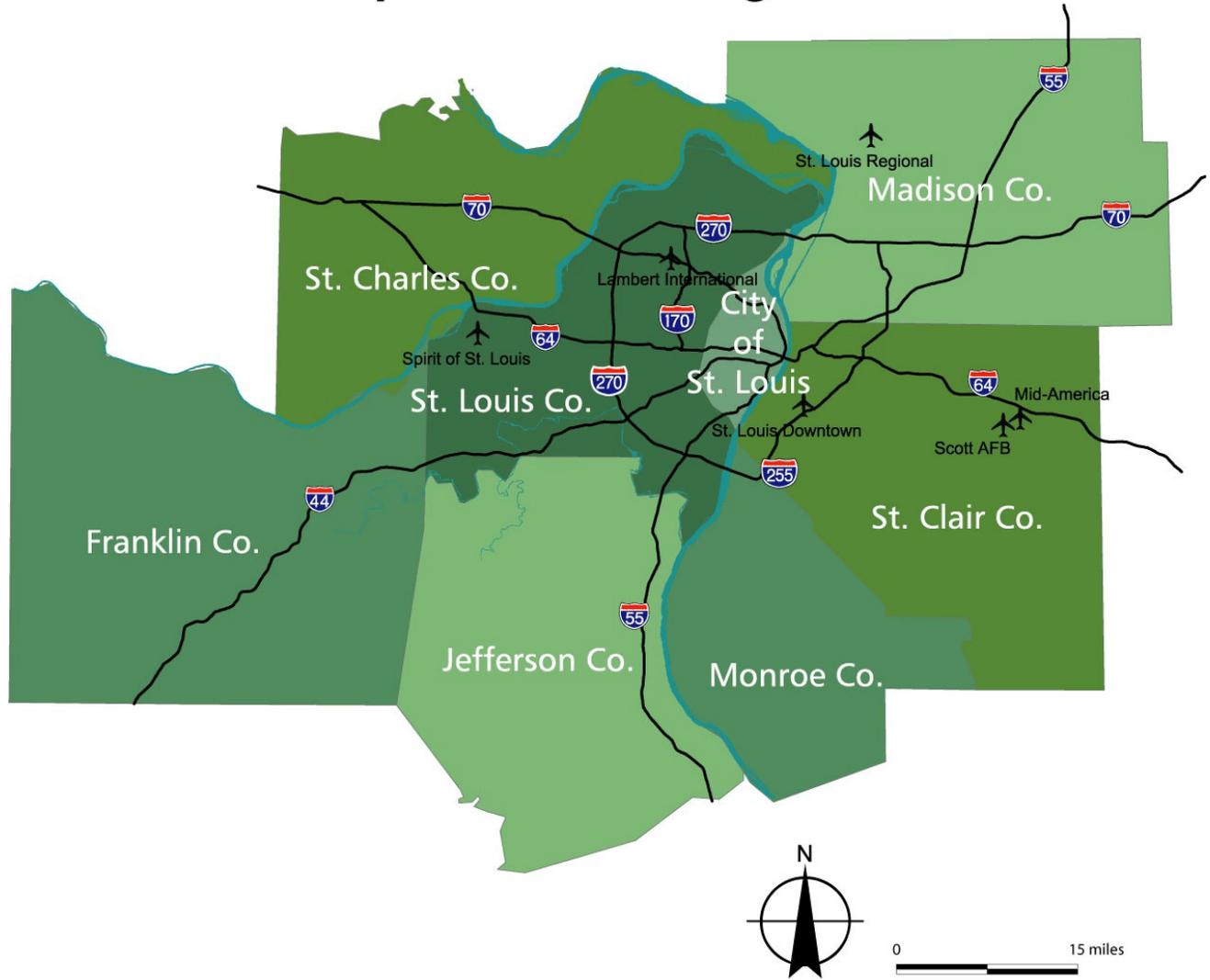
Christine Favilla  
Cassandra Hage  
Scott Harding  
Kathleen Henry  
Stephen Ibendahl  
Eric Karch

Chris Neaville  
Jamie Paige  
Megan Reichman  
Todd Sampsell  
David Shanks  
Tom Siegel

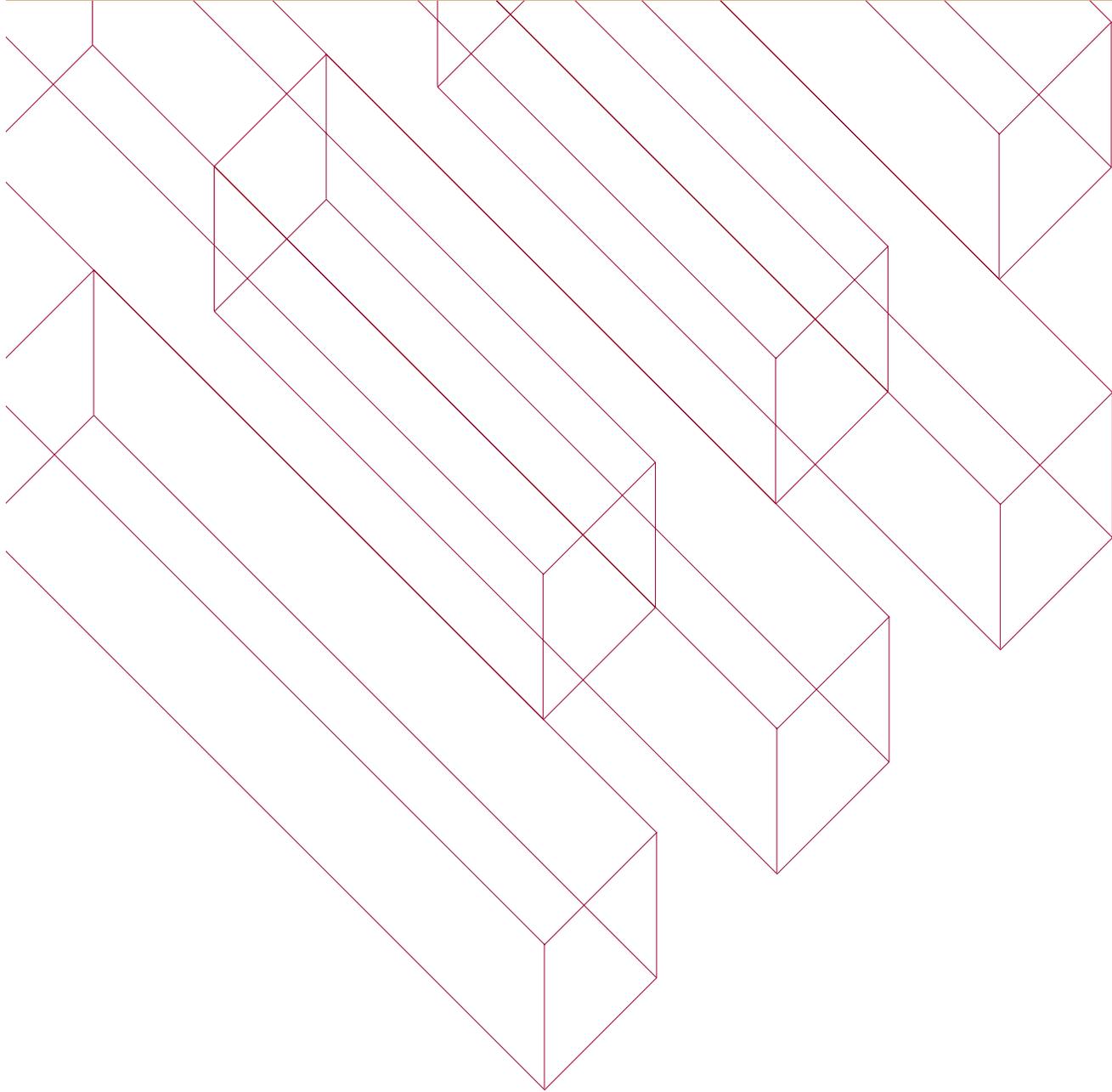
Mark Tranel  
Robert Veenstra  
Angie Weber  
Edward J. Weilbacher  
Nicole Young  
Jianpeng Zhou

APPENDIX E:

# St. Louis Metropolitan Planning Area







**EAST-WEST GATEWAY**  
**Council of Governments**

Creating Solutions Across Jurisdictional Boundaries

Gateway Tower  
One Memorial Drive, Ste. 1600  
St. Louis, MO 63102

**314-421-4220**  
**618-274-2750**