

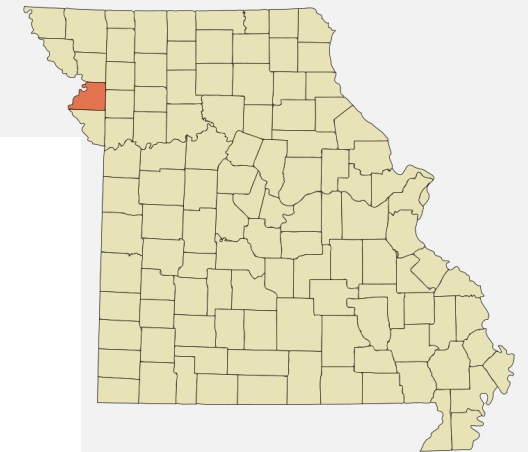
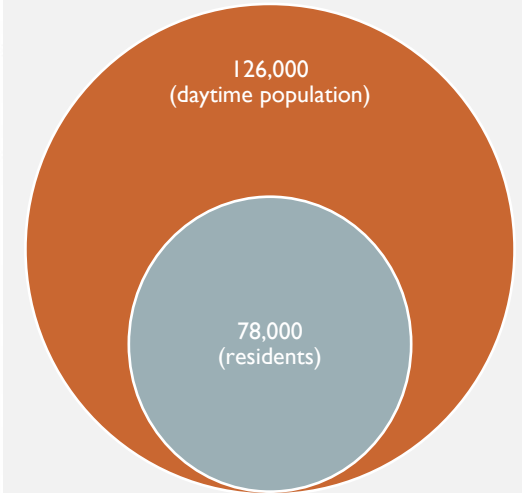
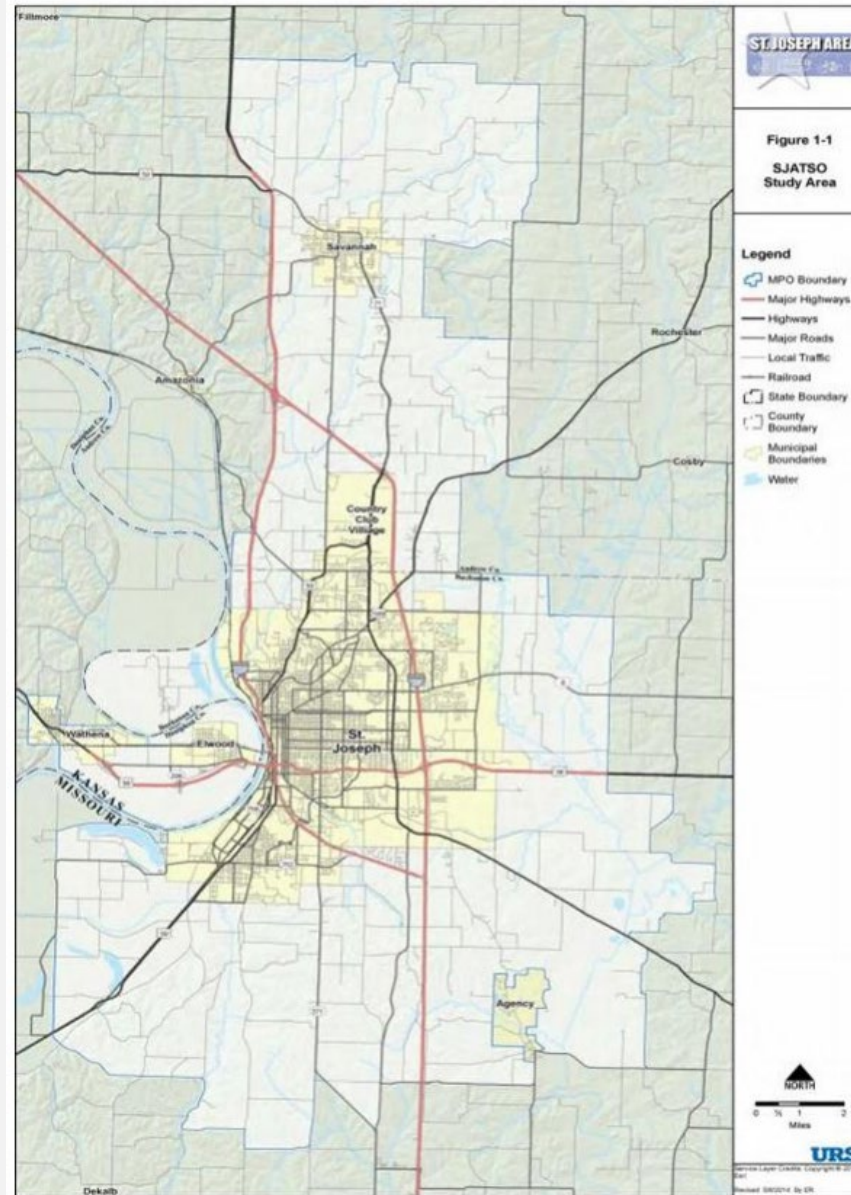
**INVEST:
ASSESSING SUSTAINABILITY IN
SJATSO'S LONG-RANGE PLANNING**

Statewide Planning Partner Meeting

February 8, 2019

BACKGROUND

- **Community Profile**
 - MPO: SJATSO
 - 3 counties, 5 cities
 - Major regional attractor
 - Major agricultural exporter
- **Challenges**
 - Contentious topic/project
 - Car-dependent culture
 - Public mistrust of the government and data sources
 - Limited local funding and resources
 - Focus on system preservation to the extent that multi-modal options are often not prioritized by decision makers or the public



INVEST

Infrastructure Voluntary Evaluation Sustainability Tool (INVEST)

Expectations were that it would provide:

- The opportunity for discussion around sustainability
- A **neutral** and **data-based** format for evaluating projects
- A simple and user-friendly tool allowing **lay people** to participate in the evaluations
- A small MPO with **limited staff and resources** a tool that could be used quickly and efficiently
- Results that would be useful in informing the 2045 MTP update

Photo credits: St. Joseph Newspress



SYSTEM PLANNING MODULE



Recommendations for
the MTP Update

Criterion	Title	Score
SPR-01	Economic Development and Land Use	7
SPR-02	Natural Environment	1
SPR-03	Social	4
SPR-04	Bonus	10
SPR-05	Access and Affordability	11
SPR-06	Safety Planning	1
SPR-07	Multimodal Transportation and Public Health	8
SPR-08	Freight and Goods Access and Mobility	6
SPR-09	Travel Demand Management	1
SPR-10	Air Quality and Emissions	1
SPR-11	Energy and Fuels	0
SPR-12	Financial Sustainability	13
SPR-13	Analysis Methods	4
SPR-14	Transportation Systems Management and Operations	0
SPR-15	Linking Asset Management and Planning	1
SPR-16	Infrastructure Resiliency	9
SPR-17	Linking Planning and NEPA	4
Total		81

SYSTEM PLANNING MODULE

Recommendations:

- **Data management** and a better discussion of how data is evaluated and used is needed
- **Shorten plan** from 200 pages to approximately 80 pages
- **Highlight connections** with local economic development and statewide plans
- **Demonstrate process** and plan coordination

SPR-11: Energy and Fuels

Comments suggested that the non-motorized and transit plans were one way that SJATSO was reducing energy and fossil fuel consumption. However, there were no clear stated goals, inventory or method for tracking success.

Planned Improvement: The 2045 MTP update will examine what data and resources are readily available to staff and if there is a reasonable way to better include a discussion of strategies or policies that could be implemented for energy reduction.

SPR-15: Linking Asset Management and Planning

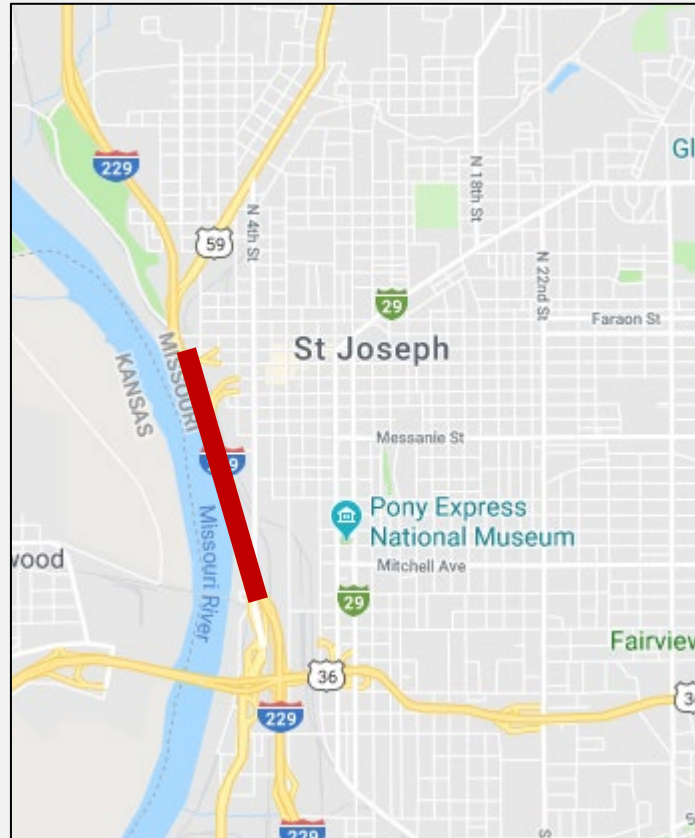
Points were lost for the lack of performance-based planning elements.

Planned Improvement: The 2045 MTP will include performance-based targets as well as reference local Asset Management Plans which are currently being updated.

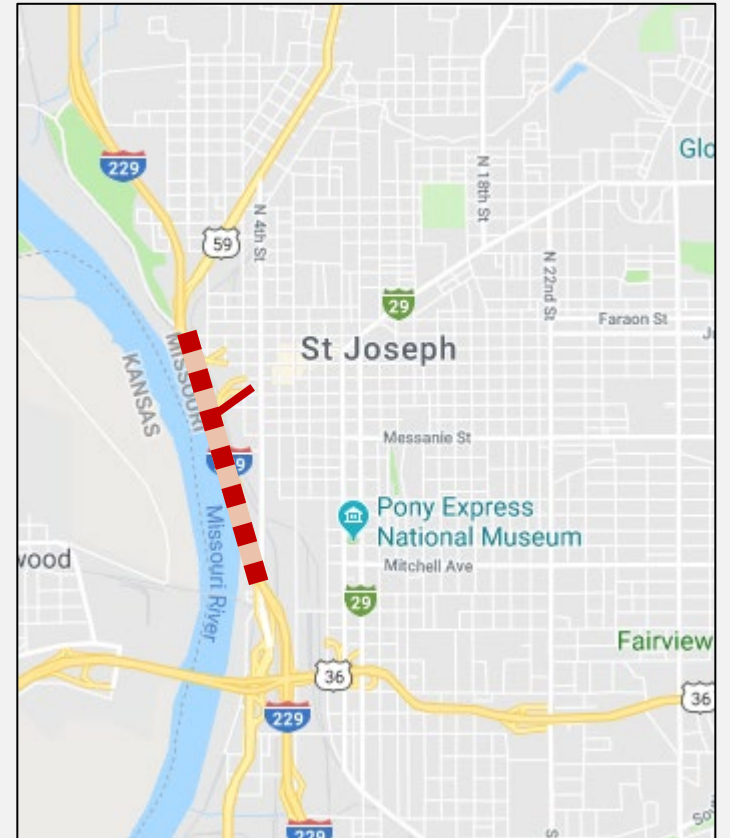
PROJECT DEVELOPMENT MODULE



Scenario 2: Remove 229



Scenario 3: At-grade



PROJECT DEVELOPMENT MODULE

Takeaways:

- Great for planners and lay people, terrible for engineers
 - “above and beyond”
- Made for after a project has been completed, not during planning/design

Criterion	Title	Points Possible	Scenario 1 Score	Scenario 2 Score	Scenario 3 Score
PD-02	Lifecycle Cost Analyses	3	1	1	2
PD-03	Context Sensitive Project Development	10	2	6	8
PD-04	Highway and Traffic Safety	10	0	0	0
PD-05	Educational Outreach	2	2	0	1
PD-06	Tracking Environmental Commitments	5	2	2	2
PD-07	Habitat Restoration	7	0	4	4
PD-08	Storm water Quality and Flow Control	6	5	3	3
PD-10	Pedestrian Facilities	3	NA	0	3
PD-11	Bicycle Facilities	3	NA	0	3
PD-12	Transit and HOV Facilities	5	0	NA	0
PD-14	ITS for System Operations	5	2	NA	0
PD-15	Historic, Archaeological, and Cultural Preservation	3	0	0	0
PD-17	Energy Efficiency	8	2	1	1
PD-18	Site Vegetation, Maintenance and Irrigation	6	NA	0	1
PD-19	Reduce, Reuse and Repurpose Materials	12	4	NA	2
PD-20	Recycle Materials	10	0	NA	3
PD-22	Long-Life Pavement	7	NA	NA	7
PD-23	Reduced Energy and Emissions in Pavement Materials	3	NA	NA	0
PD-24	Permeable Pavement	2	NA	1	0
PD-25	Construction Environmental Training	1	1	0	1
PD-26	Construction Equipment Emission Reduction	2	0	1	0
PD-27	Construction Noise Mitigation	2	1	5	1
PD-28	Construction Quality Control Plan	5	5	1	5
PD-29	Construction Waste Management	4	1	NA	1
PD-30	Low Impact Development	3	0	NA	2
PD-32	Light Pollution	3	NA	NA	0
PD-33	Noise Abatement	5	0	NA	0
Total		135	28	26	50
		108	25.93%		
		78		33.33%	
Percentage		135			37.04%

*points possible exclude NA points

LEARN MORE

FHWA INVEST

<https://www.sustainablehighways.org/>

Case Studies

Criteria

Webinars

Cost Savings tools

CONTACT:
Caitlin Zibers



816.701.8319



czibers@marc.org