



Homework and Study Guide

To effectively prepare for the July 2017 Transportation Commission meeting please review materials included and referenced within this study guide. These materials have been compiled to provide background and information to guide Transportation Commission discussion.

To help prepare for our discussion of Capital Improvements Planning (CIP) please review the following:

- [CIP overview material](#) slide 21-30 (shared at the April 19, 2017 Transportation Commission meeting)
 - The July meeting discussion will build on the information already covered. Commission members should review the April meeting slides as a refresher about the CIP process and the Commission's role in the CIP.
 - Also see materials related to the CIP: Prioritization Criteria and Sustainability Framework Goals, attached.
- [July 19 CIP presentation](#)
 - Slides 9-16 include a hyperlink to datasheets for more information about projects listed. For ease of viewing, this information is also compiled into a single page PDF, attached.
 - Review the discussion questions on slide 16, and pasted below. Please give some thought to these questions and come prepared for meeting discussion.
 - Do the CIP project scopes align with existing plans and policies?
 - What input would you like staff to consider as they review the CIP this fall?
 - Are there particular CIP projects that the Transportation Commission would like to emphasize their support or endorsement for?
 - Other feedback or questions?
- Existing plans and policies: Commission members should be familiar with City plans, to provide feedback about whether CIP project scopes are aligned
 - [Transportation Plan](#)
 - [Non-motorized Transportation Plan](#)
 - [Notable Existing Transportation Projects, Plans, Policies and Programs](#) (shared at the March 15 Commission meeting)
- The complete [FY2018-2023 Capital Improvements Plan](#) (CIP) is available for reference, if interested. Materials provided in the July 19 presentation are specific to FY2018 and FY2019.

The July 19 meeting will also include a presentation of the Scio Church Road Improvements Project. For more information and to access materials shared at previous public meetings, visit the project website: a2gov.org/sciochurch

2016	SCORING	Low ← → High				
1	Sustainability Framework Goals	0 Contributes to meeting 1 or less of the City's Sustainability Framework Goals	3 Modestly contributes to meeting two to three of the City's Sustainability Framework goals	7 Significantly contributes to meeting two or three of the City's Sustainability Framework goals OR modestly contributes to meeting four or more of the City's Sustainability Framework goals	10 Significantly contributes to meeting 4 or more of the City's Sustainability Framework goals	
2	Safety/Compliance/Emergency Preparedness	0 Does not address safety, compliance, or emergency preparedness considerations	2 Modestly contributes to reducing a public health or safety hazard, but is not required for compliance	5 Will assist in ability to continue governmental services during emergencies OR will eliminate a low risk public health or safety hazard	8 Necessary to meet recommended regulatory compliance OR will reduce exposure to a high risk public health or safety exposure	10 Contributes to mandatory regulatory compliance OR will eliminate exposure to a high risk public health or safety hazard OR is necessary to assure continuance of governmental services during emergencies
3	Funding	0 Has no potential funding	2 Has uncertain funding source(s) (e.g., Special Assessment, General Fund) OR has anticipated funding from low-interest loan source (e.g., SRF, DWRF, Energy Fund) with no loan forgiveness	6 Funding available from standard City funding sources (e.g., utility rates, road millage, etc.) OR has anticipated funding from low-interest loan source (e.g., DWRF, SRF, Energy Fund) with high potential for loan forgiveness	8 Has anticipated partial project funding (<50%) from outside non-loan source(s)	10 Has anticipated substantial project funding (≥50%) from outside non-loan sources (e.g., STP, grant funding, developer, Township financed)
4	Coordination with Other Projects	0 There are no other planned projects that should be coordinated with this Project	5 Costs can be modestly reduced (< 20%) by aligning project with another project (e.g. street reconstruction with utility replacement) OR no cost savings will be realized but aligning with another project minimizes disruption to the public	8 Costs can be significantly reduced (≥20%) by aligning project with another project (e.g. street reconstruction with utility replacement)	10 Schedule is driven by other high-priority improvements that must be completed within the next two fiscal years	
5	Master Plan Objectives	0 Does not contribute to meeting any of the City's master plan or other strategic planning document goals	3 Modestly contributes to meeting one of the City's master plan or other strategic planning document goals	6 Significantly contributes to meeting one of the City's master plan or other strategic planning document goals OR modestly contributes to meeting two or more of the City's master plan or other strategic planning document goals	10 Significantly contributes to meeting two or more of the City's master plan or other strategic planning document goals	
6	User Experience (Level of Service)	0 Will not affect Level of Service	4 Modestly improves existing Level of Service	7 Provides a new service requested by and that benefits a small segment of the community	10 Significantly improves existing Level of Service OR provides a new service which is requested by and benefits a large segment of the community	
7	Innovation	0 Does not include any innovative measures or items	3 Modestly promotes or incorporates a single innovative technique, funding strategy, material, or BMP	7 Modestly promotes or incorporates more than one innovative technique, funding strategy, material, or BMP	10 Significantly promotes or incorporates multiple known innovative techniques, funding strategies, materials, or BMPs	
8	Partnerships	0 Does not provide opportunity for partnerships	3 Promotes regional or interagency planning and coordination OR public/private partnership	10 Promotes regional or interagency planning and coordination OR public/private partnership AND provides for shared staffing resources		
9	System Influence/Capacity	0 Does not contribute to larger system network or user demand	3 Meets future user demand	6 Addresses immediate user demand that benefits a small segment of the user population	10 Addresses immediate user demand that benefits a large segment of the user population	
10	O&M (Operations & Maintenance)	0 Will cause increase OR have a neutral effect on O&M costs	3 Makes modest contribution to O&M cost reduction	7 Makes modest contribution to O&M cost reduction AND creates opportunities to improve operational flexibility, use of technology, or extends asset life	10 Makes significant contribution to O&M cost reduction AND creates opportunities to maximize operational flexibility, use of technology, or extends asset life, or utilizes materials or techniques that provide lowest overall life-cycle costs	

CLIMATE AND ENERGY

Sustainable Energy – Improve access to and increase use of renewable energy by all members of our community

Energy Conservation – Reduce energy consumption and eliminate net greenhouse gas emissions in our community

High Performance Buildings – Increase efficiency in new and existing buildings within our community

COMMUNITY

Engaged Community - Ensure our community is strongly connected through outreach, opportunities for engagement, and stewardship of community resources

Diverse Housing - Provide high quality, safe, efficient, and affordable housing choices to meet the current and future needs of our community, particularly for homeless and low-income households

Human Services - Provide services that meet basic human needs of impoverished and disenfranchised residents to maximize the health and well-being of the community

Safe Community - Minimize risk to public health and property from manmade and natural hazards

Active Living and Learning - Improve quality of life by providing diverse cultural, recreational, and educational opportunities for all members of our community

Economic Vitality - Develop a prosperous, resilient local economy that provides opportunity by creating jobs, retaining and attracting talent, supporting a diversity of businesses across all sectors, and rewarding investment in our community

LAND USE AND ACCESS

Transportation Options - Establish a physical and cultural environment that supports and encourages safe, comfortable and efficient ways for pedestrians, bicyclists, and transit users to travel throughout the city and region

Sustainable Systems - Plan for and manage constructed and natural infrastructure systems to meet the current and future needs of our community

Integrated Land Use - Encourage a compact pattern of diverse development that maintains our unique sense of place, preserves our natural systems, and strengthens our neighborhoods, corridors, and downtown

RESOURCE MANAGEMENT

Clean Air and Water - Eliminate pollutants in our air and water systems

Healthy Ecosystems - Conserve, protect, enhance, and restore our aquatic and terrestrial ecosystems

Responsible Resource Use - Produce zero waste and optimize the use and reuse of resources in our community

Local Food - Conserve, protect, enhance, and restore our local agriculture and aquaculture resources

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Airport	TR-AP-03-01	Airport Access Road Reconstruction (Airport Blvd)	6	\$236,000	\$328,000
Datashheets	TR-AP-10-04	Runway Safety Extension	1	\$3,426,000	\$0
				\$3,662,000	\$328,000

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Alternative Transportation	TR-AT-10-29	ADA Ramp Replacements (Outside of DDA)	12	\$80,000	\$0
Datashheets	TR-AT-14-07	Ann Arbor Station Construction	1	\$0	\$65,000,000
	TR-AT-14-06	Ann Arbor Station Final Design	1	\$2,600,000	\$0
	TR-AT-18-25	Annual Sidewalk Gap Projects	0	\$120,000	\$500,000
	TR-AT-13-01	Annual Sidewalk Repair Program	24	\$1,050,000	\$1,050,000
	TR-AT-14-08	Border to Border Trail: Bandemer to Barton Connection	3	\$280,000	\$4,220,000
	TR-AT-18-24	Connector: Design	2	\$0	\$30,000,000
	TR-AT-12-04	Ellsworth at Research Park Dr. Pedestrian Crossing	9	\$120,000	\$0
	TR-AT-16-03	Federal Blvd (Stadium west through 2030 Commerce) Sidewalks	26	\$0	\$202,500
	TR-AT-18-17	Green (Gettysburg to Burbank) Sidewalks	22	\$0	\$271,250
	TR-AT-18-23	Jackson (West of Highlake) Pedestrian Crossing	13	\$260,000	\$0
	TR-AT-10-20	Major Mid Block Crossing Improvements	5	\$200,000	\$0
	TR-AT-18-01	Maple/Miller Area Sidewalks	18	\$528,400	\$0
	TR-AT-17-01	Stone School Sidewalks (Clinton and Stone School Parks Area)	22	\$182,500	\$0
	TR-AT-14-04	Washtenaw Ave (Pittsfield to Huron Pkwy) Shared Use Path	21	\$100,000	\$0
				\$5,520,900	\$101,243,750

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Bridges	TR-BR-10-01	Biennial Bridge Inspection Program	2	\$95,000	\$95,000
Datashheets	TR-BR-16-02	East Medical Center Drive Bridge Rehabilitation	1	\$225,000	\$1,826,000
				\$320,000	\$1,921,000

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
New Streets	TR-NS-10-06	Termination of Public Street Dead Ends	2	\$100,000	\$450,000
Datashheets				\$100,000	\$450,000

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Other Transportation	TR-OT-10-06	Bird Road Retaining Wall	11	\$150,000	\$0
Datashheets	TR-OT-18-03	Guardrail Capital Maintenance	7	\$154,000	\$0
	TR-OT-18-51	Intelligent Transportation System (ITS) Master Plan	3	\$0	\$250,000
	TR-OT-12-04	Plymouth Road Retaining Walls	13	\$0	\$150,000
	TR-OT-16-01	Seventh Street Transportation (Miller to Stadium)	10	\$200,000	\$0
	TR-OT-18-52	Signal Timing Optimization	2	\$0	\$400,000
	TR-OT-18-05	Stadium and Maple SCOOT Expansion	5	\$0	\$450,000
	TR-OT-18-01	Streetlight Installation, Capital Replacement, and Condition Assessment	9	\$225,000	\$300,000
	TR-OT-18-04	Traffic Observation Expansion	4	\$230,000	\$0
	TR-OT-18-53	Transportation Plan Update	1	\$400,000	\$0
				\$1,359,000	\$1,550,000

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Parking Facilities	TR-PF-16-09	4th and Washington Parking Structure Capital Maintenance	0	\$0	\$290,250
Datashheets	TR-PF-16-12	4th and William Parking Structure Capital Maintenance	0	\$532,575	\$409,050
	TR-PF-16-11	Ann Ashley Parking Structure Capital Maintenance Phase 2	0	\$0	\$787,050
	TR-PF-11-02	ePark Parking Paystations	0	\$750,000	\$0
	TR-PF-18-02	First and Washington Parking Structure Capital Maintenance	0	\$0	\$39,450
	TR-PF-16-10	Forest Ave. Parking Structure Capital Maintenance	0	\$0	\$94,500
	TR-PF-16-03	Liberty Square Parking Structure Capital Maintenance	0	\$675,675	\$0
	TR-PF-16-04	Maynard Parking Structure Capital Maintenance	0	\$679,320	\$0
	TR-PF-18-01	Parking Equipment	0	\$350,000	\$804,000
	TR-PF-17-01	Parking Structure Elevators Capital Maintenance	0	\$104,000	\$108,000
	TR-PF-15-02	Vehicle Charging Stations	0	\$25,000	\$0
				\$3,116,570	\$2,532,300

Category	ProjectID	Project Name	Prioritization Rank	2018	2019
Street Construction	TR-SC-15-02	Annual Capital Street Maintenance Program	30	\$875,000	\$0
Datashheets	TR-SC-13-07	Annual Street Resurfacing Program (ASRP)	34	\$2,530,000	\$3,000,000
Map and List of Calendar 2017 Stre	TR-SC-16-09	ASRP - Boardwalk (Eisenhower north to end)	41	\$0	\$735,000
	TR-SC-16-03	ASRP - Hill St (Onondaga to Geddes Ave)	38	\$455,000	\$0
	TR-SC-16-07	ASRP - Hoover (Main to State)	15	\$0	\$700,000
	TR-SC-16-19	ASRP - State St (Packard to Hoover)	24	\$350,000	\$0
	TR-SC-14-06	ASRP - State St (Washington to S University)	10	\$0	\$775,000
	TR-SC-16-20	ASRP - Stone School Rd (Eisenhower to I-94)	7	\$0	\$525,000
	TR-SC-14-01	ASRP - Stone School Rd (Packard to Eisenhower)	8	\$0	\$210,000
	TR-SC-16-15	ASRP - Traverwood (Plymouth to Huron Pkwy)	34	\$0	\$810,000
	TR-SC-14-07	Fifth Ave (Kingsley to Catherine) Road Reconstruction	3	\$2,250,000	\$0
	TR-SC-08-01	Fuller Rd/Maiden Ln/East Medical Center Dr Intersection Improvements	1	\$0	\$500,000
	TR-SC-18-05	Jackson (Wagner to MDOT Jurisdiction) Resurfacing	25	\$1,235,000	\$0
	TR-SC-12-05	Liberty (First to Main) Road Reconstruction	17	\$700,000	\$0
	TR-SC-14-12	Pauline (Stadium to Seventh) Road Improvements	9	\$1,150,000	\$0
	TR-SC-14-09	Scio Church (Main to Seventh) Road Improvements	13	\$1,656,150	\$0
	TR-SC-14-21	Seventh (Scio Church to Greenview) Road Improvements	11	\$0	\$1,300,000
	TR-SC-18-10	South Industrial (Stimson to Eisenhower) Concrete Pavement Repair	33	\$0	\$600,000
	TR-SC-18-16	South University (State to E University) Resurfacing	27	\$430,000	\$0
	TR-SC-09-03	Stadium Blvd (Main to Kipke) Road Reconstruction	2	\$1,711,200	\$0
	TR-SC-19-01	State St (I-94 to Ellsworth) Mill and Fill	0	\$690,000	\$0
	TR-SC-18-11	State St (Stimson to Oakbrook) Concrete Repairs	42	\$0	\$400,000
				\$14,032,350	\$9,555,000