

# Transitway Advancement Policy Draft TPP Modification and Procedure

Feb. 15<sup>th</sup> 2023 Committee of the Whole



# Transitway advancement



#### **Topics**

- Update on Draft TPP Modification
- Risk Process
  - Project and Enterprise Risks
  - Example of Risk Process using Purple Line
- Draft Transitway Advancement Procedure
- Policy and Procedure in Action: Blue Line Extension

# Policy Adopted November 30, 2022

Summary of Adopted Policy 1-7:

As the region's Metropolitan Planning Organization (MPO), the Council requires and compares information on critical aspects of a proposed transitway with standards established by the 2040 *Transportation Policy Plan*. Required information will be detailed in a subsequent Plan modification.

At the point that Metro Transit is implementing the transitway, the policy would require the Council and local project sponsors to develop a risk register, establish roles and responsibilities that address project risks, and reflect these in agreements.

# Transitway project issues and risks

# Project setbacks and unresolved issues pose enterprise risks during and after project implementation

### Individual projects have faced implementation challenges

- Local community support
- Construction challenges
- Cost increases beyond project budgets and contingency plans
- Undefined roles or expectations for local partners in issue resolution

### Cumulative system-level **operations** and capital maintenance risks

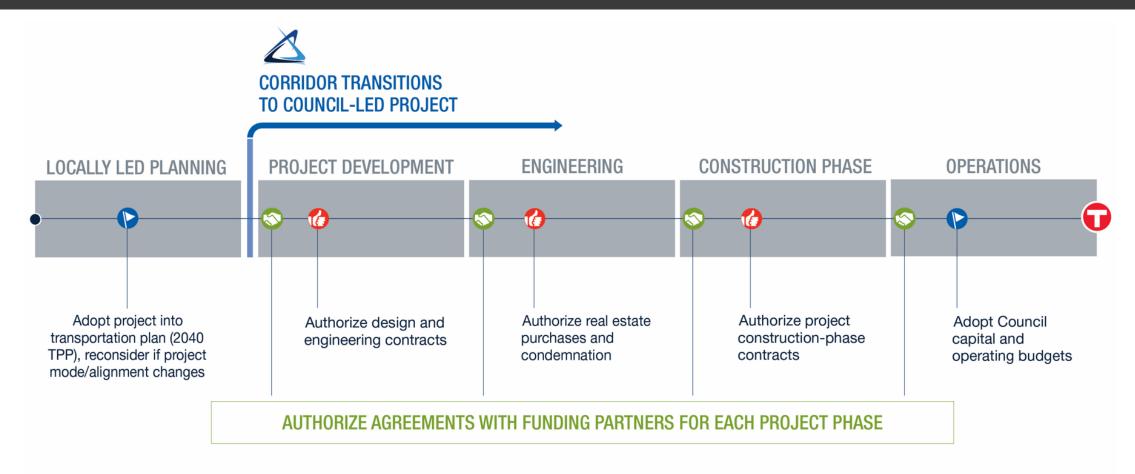
- Undefined roles for operations and maintenance of project assets
- Capital maintenance has emerged as a significant financial issue for the region, particularly for rail lines.
  - Long-term needs are not currently defined during projects' planning and design phases
- Transitway operations require significant staffing additions





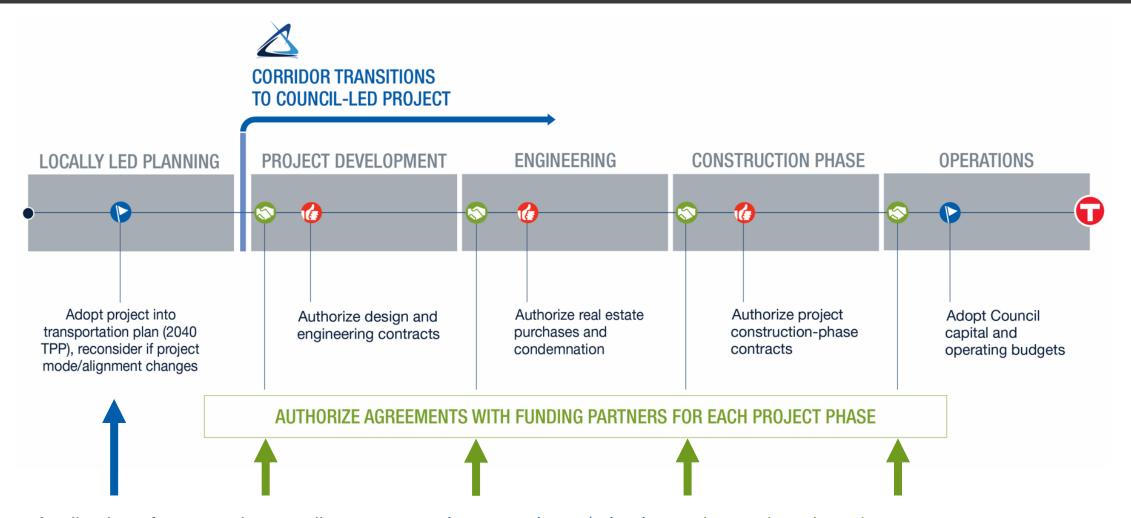


# Metropolitan Council decision points



**Policy challenge**: Decisions are *individually incremental* and *cumulatively significant*. Interest to avoid project delays can lead to deferral of important risks and issues as projects develop.

# Application of new policy



Application of proposed new policy occurs at plan amendment/adoption and at each project phase agreement Each phase's risk assessment will consider <u>all subsequent phases</u> of implementation and operation/maintenance

#### **2040 TPP Modification Draft**

#### Clarifies Information Required of Project Sponsors

Documentation of the transitway corridor selection process

Resolutions of support from affected local governments and agencies

Documentation of fiscal constraint- including (new) lifecycle cost estimation

Documentation of public engagement and feedback

#### 2040 TPP Modification Schedule

#### **Mid-2023 Approval Anticipated**

January 25- Shared TPP Modification draft for partner staff input

February- Feedback, input, and partner discussion of TPP Modification

March- Invite public input (not a formal public hearing process)

April- Finalize modification, TAC Planning information item

May- Technical Advisory Committee and Transit Advisory Board (info)

Late May- Transportation Committee approval

June- Council approval

Purple Line and Blue Line Extension are the first two existing projects that are likely subject to the change from this TPP Modification

# Metropolitan Council

## Risk Management at the Council

#### What is a Risk?

Anything that can prevent an organization from meeting its objectives

Example objectives:

Successful transit project implementation

Success in operating and maintaining the system

Orderly and economical development of the region

#### **Categories of Risk**

Project-level risks

- Requirements
- Design
- Market
- Construction

Enterprise-level

- Procurement
- Operational
- Legal/contractual
- Financial

#### **Risk Management**

- Discipline that seeks to resolve or mitigate risks
- Strategies entail
  - Evaluation of risks
  - Development and management of risk registers to quantify
  - Executing strategies to reduce exposure
  - Assignment of risk to responsible parties
- Required by FTA

# **DRAFT Transitway Advancement Procedure**



#### **Key Elements of Procedure**

- Points to TPP for details on steps for planning process (MPO role)
- Specifies Metro Transit procedure for projects it is managing
- Procedure elements include:
  - Requirement to develop project and enterprise risks
  - Defines risk horizon for project and enterprise risks
    - Project level: risks from current day through revenue service
    - Enterprise: risks from current day through TPP time horizon
  - Defines elements of risk (type, probability, impacts, mitigation, owner)
  - Defines frequency of updates/reporting
    - Risks refreshed at least quarterly
    - Risks presented to Council on a defined cycle
  - Procedure applied until project is closed out by FTA

# Risk Process – Enterprise Risks

#### **Development of Enterprise Risks and Rating**

# Interim Enterprise Risk Process

- Project and Leadership identify top enterprise risks based on feedback, also identify initial assessment
- Risks presented to Transportation Committee or Council
- Enterprise risks are similar for all projects, but risk assessment may vary

#### **Evolving long-term process**

- Consultant hired (AON)
- Phase 1: Creating Risk Maturity Index
- Phase 2: Enterprise Risk Identification and Assessment
- Creation of process to continually update and report risks
- Timeframe: Underway, first enterprise risks identified an assessed by June







# Risk Process Project Example Purple Line

#### **Creation of Project Risk Register**

- Process must meet FTA requirements and new Council Policy
- Risks developed through process that reviews project, develops and assigns, and establishes mitigation steps
- Members include project staff, funding agencies, regional administration and Metro Transit experts by discipline, project consultants.
- Risk register is created and actively maintained. All risks are tracked until retired
- Process format
  - Multi-day workshops
  - Walk through of project from end to end by category
  - Risks by every area of project (design, construction, market conditions, real estate, procurement, environment, utilities, agreements
  - Consensus rating by participants
- Outcome is comprehensive list of risks with rating for each risk
- Risk owners are tasked with developing mitigation strategy for their assigned risks
- Purple Line example: 132 active risks, 18 retired risks

# Metropolitan Counci

# Risk Process Project Example Purple Line

#### Scale

Rating	Very Low (1)	Low (2)	Medium (3)	High (4)	Very High (5)
Probability	≤ 10%	11-35%	36-64%	65-89%	> 90%
Cost	< \$0.25M	\$.25M> <\$1M	\$1M> <\$2M	\$2M> <\$3M	>\$3M
Schedule	≤ 1 mth	2 - 3 mths.	4 - 5 mths.	6 - 7 mths.	> 7 mths.

#### Strategy

Risk Re	esponse Strategy
Avoid	Action(s) is taken to eliminate the threat
Mitigate	Action(s) is taken to reduce the threat
Transfer	Find another party willing to bear the liability of the risk should it occur
Accept	Acknowledge that the threat exists and establish a contingency
Optimize	Seek to increase the probability of an event to maximize potential benefits
Monitor	Track the threat/opportunity

# Metropolitan Council

# Risk Process Project Example Purple Line

Metropolitan Council
Purple Line Bus Rapid Transit Project

PROJECT RISK REGISTER - DRAFT

Rating	Very Low (1)	Low (2)	Madium (3)	High (4)	Very High (5
Probab <b>il</b> ty	s 10%	11486%	36-64%	65-69%	> 90%
Cost	< \$0,29M	\$,25M> <\$1M	\$1M> <\$2M	52M><53M	×\$3M
Schedule	s1mh	2 - 3 mths.	4 - 5 mbs.	6 - 7 mths.	≥7 mihs.

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005	C-22	01/81/202	23 40,02	Construction	Utilities	Threat	Storm Sewer Conflict	RegulnReglacement of existing storm sever line from Earl St. to Areade St. would result in significant cost and echedule delay.	Soor 4	02/01/2023	3	6	5	15	Mitgato	Steve Barrott	Amrich Patel	Pothole existing storm line to obtain accounts surveyed location, 2) fellowise to determine existing condition, 3) consider design elements near the pipe that minimize disruption.		
006	M-12	01/01/202	23 50,05	Market	Procurement	Threat		Owner procurement of technology delayed due to imited supply of components.	Scheo	2/01/2023	5		5	15	Mitigato	Craig Lamothe				
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007	16-14	01/91/202	23 50,06	Market	Procurement	Threat	Buy America Requirements	Buy America requirements delay the manufacture and receipt of communications systems, delaying installation.	· ·	02/010			5	15	Mitgato	Craig Lamothe	Steve Barrett			
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# Enterprise Risks

# **EXAMPLE**

ID	Category	Risk Description							
1	Financial		nsufficient new funding provided by funding partners to cover state and local share of operating costs (Annual operating costs: \$15M to \$20M new State per year)						
2	Operational		Metro Transit is unable to hire sufficient staffing to operate service and perform naintenance specified in the Full Funding Grant Agreement (estimated over 200 new TEs)						
3	()nerational	Metro Transit is unable to meet hiring needs for safety and security strategies (#TBD new Police Officers and CSOs)							
4	Uneralional	Transitway ridership does not meet regional performance thresholds for ridership due to post-pandemic changes in travel patterns							
5	Financial	Insufficient non-federal capital funding available for the Council to maintain the transitway in a state of good repair							
6	Operational	Delays or inability to deliver the Blue Line Extension means regional equity and climate change goals and needs are not met							
		Very Low	Low	Moderate	High	Very High			

#### **Comments from Local Partners**



#### **Local input process**

We presented drafts of TPP Modification and Procedure to staff from Cities and Counties in January

- Requested comments by February 15<sup>th</sup>
- Additional comments will be received on TPP Modification.

#### Comments to date:

- 1. Request that partners are informed of risk information before it is public
- 2. More detail steps needed to require collaboration on risk development
- 3. Several comments seeking clarification on draft text
- 4. Enterprise risks should include risk to region of not completing project.

#### **Questions received:**

- 1. Who will decide the enterprise risks?
- 2. How will local partners (funders) be involved in establishing risks and ratings?
- 3. Can projects that meet their purpose and need and local funding be prevented from advancing based on risk levels?

# **Procedure Implementation Schedule**

Timing	Metro Transit Key Business or Info Items
February	Blue Line Extension - Engineering Contracts
April/May	Green Line Extension - Business items (Funding/Legal)
April/May	Gold Line - Award of construction contract (Park and Ride)
April/May	Purple Line Route Modification Study – Info Item
April/May	Orange Line – Master Operating Funding Agreements
June	ABRT Program Update (B, E, F, G Line) - Info Item
Q4 2023	Purple Line - TPP Amendment
2024 (TPP 2)	Blue line Extension - 2050 TPP