

Enterprise Risk Management at MnDOT



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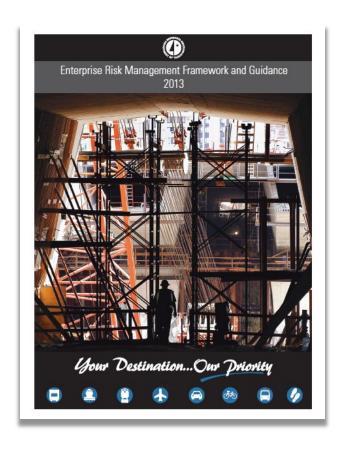


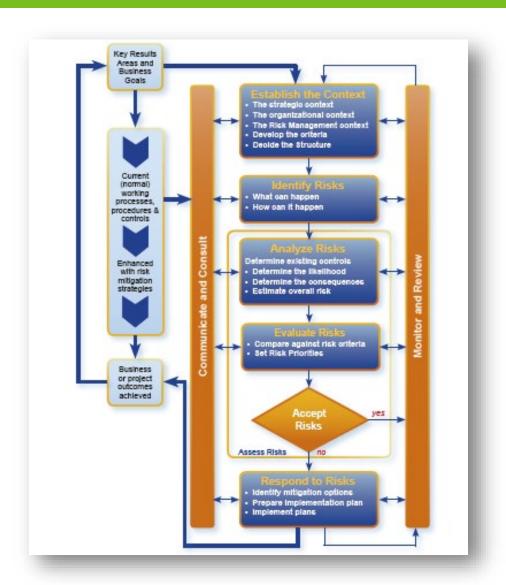


MnDOT's ERM Framework and Practice

Earlier Iteration of ERM Framework

2013





Updated Risk Management Levels at MnDOT

2018





Program/P&S

• **Programs, Products, and Services**: Risks that are common to groups of projects that achieve strategic objectives.

• **Responsibility**: Management groups in coordination with Assistant Commissioners.



- **Projects/Activities**: Risks that are specific to individual projects and ongoing functions.
- **Responsibility**: Office directors, District Engineers, office managers, and staff.

Tools for Managing Enterprise Risks

- MnDOT's risk register, enterprise risk summaries, Statewide Multimodal Plan = identify and contextualize the risk categories
- Leadership committees/councils and management groups = assess risks and provide further contextualization
- MnDOT's family of plans (e.g., modal and investment plans) and business plans = Identify risk responses and risk monitoring framework























ERM Toolbox Example: Risk Assessments

Scenario-based risk assessments

- Focused on specific topic or policy
- Cross-agency group of about subject matter experts
- Recommended (but not required) for agency-level policy or process decisions
- Recently completed assessments: Email deletion rules, mobile device use policies, expanding electric transmission lines in the Interstate and controlled access right-of-way, Microsoft OneDrive adoption for MnDOT staff

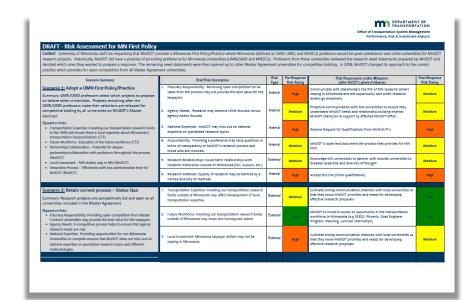
Scenario-based Analysis Steps

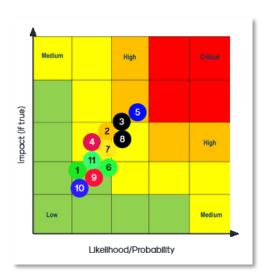
Identify scenarios

Articulate opportunities with each scenario

Describe agency risks with each scenario (Rate Risks Preresponse)

Determine response strategies we could pursue to manage risks (Rate Risks Postresponse)

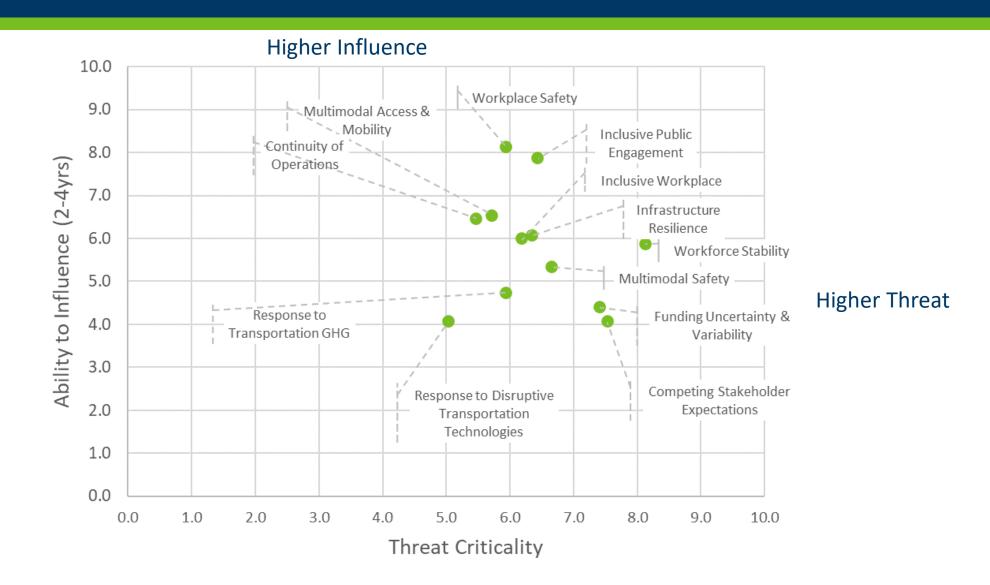






MnDOT Agency Risk Register

Risk Register: SLT High Threat + High Influence



MnDOT Enterprise Risk Register

Enterprise Risk	MnDOT Strategic Objective/Goal
Inclusive Workplace	Workforce Excellence
Funding	System Stewardship
Succession Planning	Workforce Excellence
Multimodal Access & Mobility	Critical Connections / Healthy Communities
Workplace Safety	Operational Excellence
Inclusive Public Engagement	ODM & Customer Trust
Infrastructure Resilience	Healthy Communities / System Stewardship
Response to Transportation GHG	Healthy Communities
Multimodal Safety	Transportation Safety
Continuity of Operations	Operational Excellence
Response to Disruptive Transportation Technologies	Operational Excellence
Competing Stakeholder Expectations	System Stewardship/ ODM & Customer Trust

Maturing the Risk Register

Since adoption of the risk register categories:

- 1. Evaluating how each of our enterprise risks has shifted in significance for MnDOT over the last 2 years.
- 2. Any risks that we can remove from this communication and decision support tool?
- 3. What should be added?

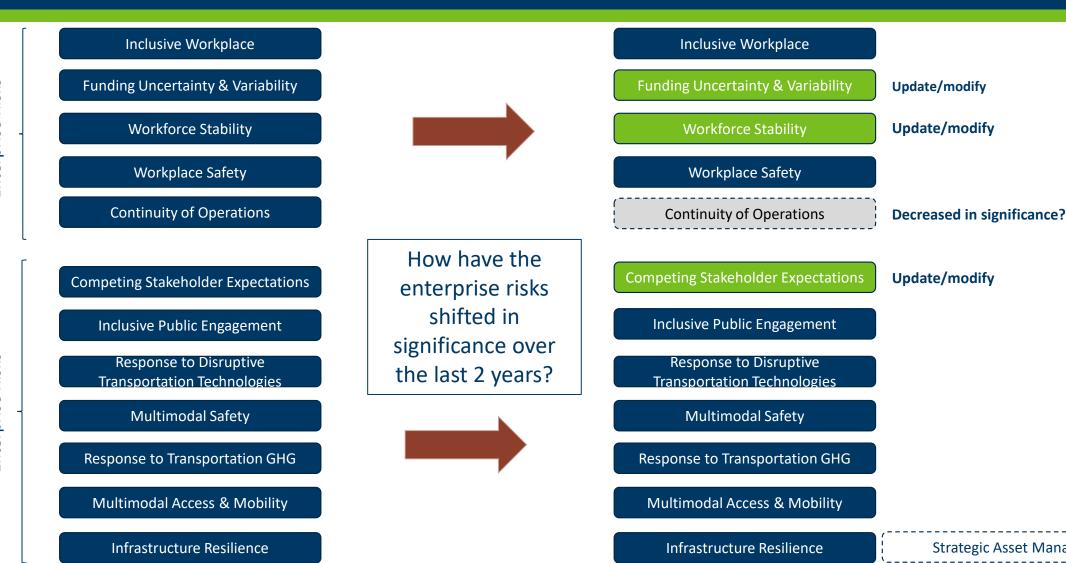


How have enterprise risks shifted?

Strategic Asset Management

Enterprise Risks Operational

Transportation System Enterprise Risks





ERM Steering Committee Cross-functional Risk Managers

ERM Steering Committee Charge

From 2019 committee charter:

- Active management of agency risks with leadership and staff
- Develop and organize FHWA and State of MN enterprise risk management processes for MnDOT
- Alignment of risk-based decision making across the organization

ERM Steering Committee

Risk Areas

Enterprise/Planning Risk Management

Operations/Project Risk Management

Strategic Plan + Business Plans

Counsel/Policy Development

Sustainability + Resilience

Audit/Internal Controls/Safeguarding

Capital Risk Management

Finance

Emergency Management

State Aid

Information Technology

Human Resources/Labor Relations

Maturing the ERM Steering Committee

Scope updates in development:

- Assist senior leaders, agency management groups, divisions, districts, and offices in using and maintaining an enterprise risk management framework to effectively identify, assess, and respond to crossfunctional risks.
- Assess whether existing risk responses align with established enterprise risks strategies and are effective in responding to risks.
- Routinely review MnDOT's enterprise risk management framework and risk register to assure they align with risk management best practices and MnDOT's strategic objectives.
- Support strategies by risk managers to effectively respond to risks.





Thank You!

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