

October 13, 2021

DATA-DRIVEN DECISIONS

FOR ILLINOIS





Office of Planning and Programming Mission

The vision for transportation in Illinois is for all modes to be integrated, coordinated, planned, and built with the idea that present and future travel options are user focused, economically supportive, and ecologically sensitive.

Our mission is for the development of an integrated system that is safe, efficient, and reliable, and one that enhances quality of life and supports the economic prosperity of the state.



AGENDA

- **Why is IDOT Developing the Data-Driven Decisions Tool**
 - Illinois' Transportation Assets Overview
 - Limited Funding
- **How is the Data-Driven Decisions Tool Being Developed**
- **What is the Data-Driven Decisions Tool**
 - Tool Preliminary Goals
 - Tool Preliminary Criteria
- **We Need Your Input**
 - Additional input needed for finalization
 - Website and MetroQuestSurvey



Transportation Funding Background

- IDOT's funding is limited and cannot address all the state needs
- A majority of IDOT's funding comes from multiple sources including:
 - Motor Fuel Tax (MFT)
 - Portion of the Motor Vehicle Registration (MVR)
 - Federal Funding
- **Majority of these funds are allocated toward system maintenance projects**
- **Remaining funds can then be allocated toward expansion, capacity, or other types of projects.**
- A small portion of IDOT's **annual program** goes towards capacity projects, with most being bridges.



WHY

is IDOT
Developing
the Tool?

- The Data-Driven Decisions Tool is being developed to enhance transparency in the project selection process
- Demonstrate why IDOT selected one project over another
- Goals and selection criteria will allow IDOT to identify projects which provide the most benefit for the state, its residents, and supports the department's mission.
 - Tool includes five goal areas with 13 selection criteria.



HOW

is IDOT Developing the Tool?

- Guidance from existing IDOT planning documents, specifically the **Long-Range Transportation Plan**
- Federal guidance urging performance based project selection
 - Moving Ahead for Progress in the 21st Century Act (MAP-21)
- Counsel from state and national experts
 - IDOT/FHWA industry standards
- Input from the public, local and regional leaders
 - MPO
 - Transportation/ Livability Advocacy Organizations
- Industry accepted metrics



HOW

Guiding Document

Long-Range Transportation Plan (LRTP)

- Provides the strategic direction for the development of the Illinois transportation system.
- The vision for transportation in Illinois is to provide innovative, sustainable and multimodal transportation solutions that support local goals and grow Illinois' economy.

The Tool was developed based on the goals identified through the LRTP:



Economy

Improve Illinois' economy by providing transportation infrastructure that supports the efficient movement of people and goods.



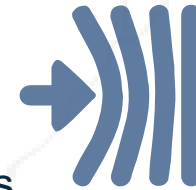
Livability

Enhance the quality of life across the state by ensuring that transportation investments advance local goals, provide multimodal options, and preserve the environment.



Mobility

Support all modes of transportation to improve accessibility and safety by improving connections between all modes of transportation.



Resiliency

Proactively assess, plan and invest in the state's transportation system to ensure that our infrastructure is prepared to sustain and recover from extreme events and other disruptions.



Stewardship

Safeguard existing funding and increase revenues to support system maintenance, modernization, and strategic growth of Illinois' transportation system.

WHAT

is the Tool?

The following are the **five goal areas** with **thirteen evaluation criteria** that are under consideration:



Traffic Operations/ Congestion

CRITERIA: Annual Average Daily Traffic (AADT)

CRITERIA: Change in Annual Vehicle Miles Traveled (AVMT)

CRITERIA: TravelTime Index



Safety

CRITERIA: Crash Frequency

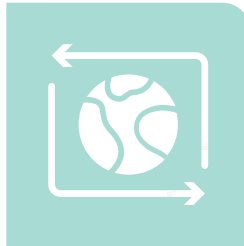


Economic Development

CRITERIA: National Highway Freight Network

CRITERIA: Major Development

CRITERIA: Intermodal Accessibility



Environmental Impacts/ Livability

CRITERIA: Environmental Justice

CRITERIA: Level of Environmental Impact Analysis

Required CRITERIA: Equity

CRITERIA: Emissions

CRITERIA: Resiliency



Regional Rating

CRITERIA: Subjective portion allowing local and regional input, to consider factors which may not be shown in the data



GOAL

Traffic Operations/ Congestion

CRITERIA

Annual Average Daily
Traffic (AADT)

A measure of the mean traffic volume across all days for a year for a given location along a road.

CRITERIA

Change in Annual Vehicle
Miles Traveled (AVMT)

A measure of the amount of vehicular travel in a geographic region over a given period of time.

CRITERIA

Travel Time Index

The ratio of the travel time during the peak period to the time required to make the same trip at free-flow speeds.





GOAL

Safety

CRITERIA

Crash Frequency

A measure of the number of crashes occurring within a specific jurisdiction, on a roadway segment, or at an intersection.





GOAL

Economic Development

CRITERIA

National Highway Freight Network

Is the project on the National Highway Freight Network as defined by the Federal Highway Administration and the FAST Act?

CRITERIA

Intermodal Accessibility

Is there an intermodal facility within 3 miles of the project?

CRITERIA

Major Development

Does the project support access to a major development?





GOAL

Environmental Impacts/ Livability

CRITERIA

Environmental Justice

Consideration of whether the project is located in an area identified as minority population, low income, or both based on the measures identified by the Illinois Environmental Protection Agency.

CRITERIA

Level of Environmental Impact

Analysis Required

How much will this project potentially affect the environment?

- Categorical Exclusion (CE)
- Environmental Assessment (EA)/Finding of No Significant Impacts (FONSI)
- Environmental Impact Statement (EIS)





GOAL

Environmental Impacts/ Livability

CRITERIA

Equity

How much will this project impact equity?

- Access to transit
- Housing and transportation cost index
- Emissions
- Other

CRITERIA

Emissions

Will this project help reduce vehicle emissions and improve overall air quality?

CRITERIA

Resiliency

Will this project enhance the safety of travelers by better withstanding natural disasters, such as flooding.





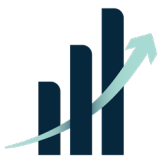
GOAL

Regional Rating

CRITERIA

Subjective portion allowing local and regional input, to consider factors which may not be shown in the data

- Allows for input from IDOT local district staff on projects
- IDOT will work directly with local municipalities, counties and Metropolitan Planning Organizations



Weighting

Each criteria will be weighted differently to reflect the goals and objectives of the agency.



Traffic Operations/ Congestion

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Safety

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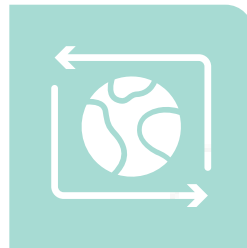


Economic Development

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Environmental Impacts/ Livability

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Regional Rating

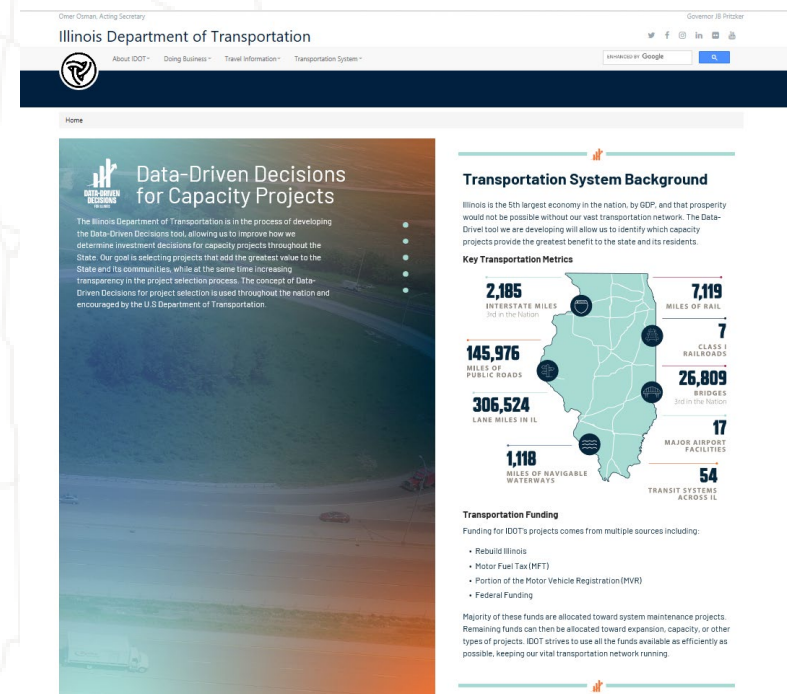
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We Need Your Input

How to provide input on the preliminary Data Driven Decisions Tool

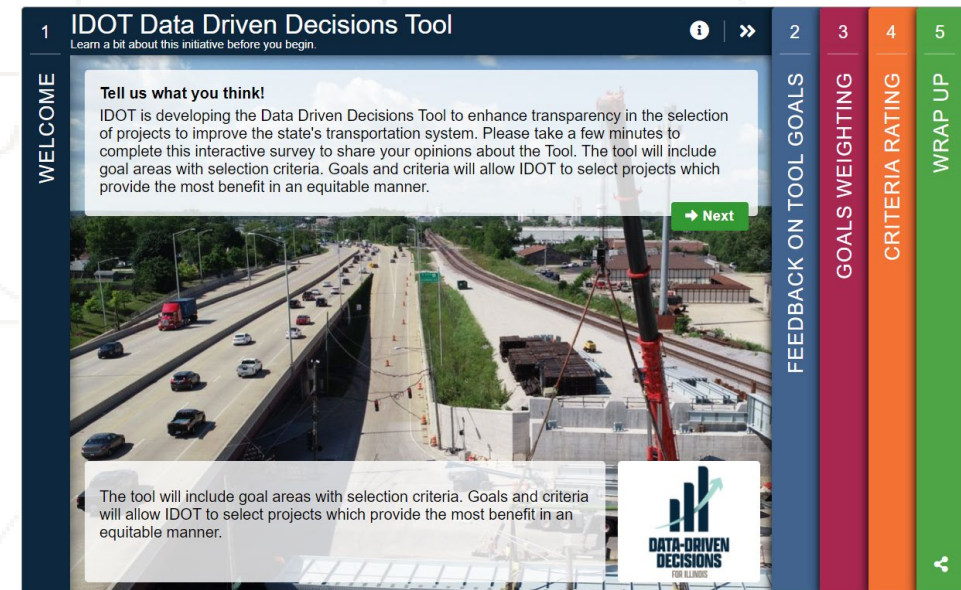
Website

Website will serve as a tool to educate stakeholders on why the Tool is being developed and how it helps identify which roadway expansion projects provide the most benefit to the state and its residents.



MetroQuest

This interactive platform will allow members of the public and key stakeholders to learn more about the tool and provide input on the five goal areas and thirteen evaluation criteria.



NEXT STEPS

Continued
Outreach with
Stakeholders

Review of
Input

Adjusting Data
Driven Decisions
Tool Based off
Input

Final Rollout of
the Data Driven
Decisions Tool





Q & A

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<https://idot.illinois.gov/data-driven-decisions.html>