IMTS Steering Committee Meeting

Draft Illinois Marine Transportation System Plan and Economic Impact Analysis

ISFAC
July 30, 2020
Overview of the IMTS Plan & Key Elements

- Commodities
- Economic Impacts
Elements of the Plan

6 Steering Committee Meetings

Over 70+ Stakeholder Interviews
Highlights

- IDOT’s First ever IMTS Plan
- Joins other plans as part of the LRTP Suite
- Programmatic Recommendations
- Implementation Partners
Commodity Flows and Economic Value

- Topics covered
  - Commodity Flows
  - Economic Impact
  - Industry Profiles

90.6 Million Tons Moved Annually or 9% of Total State Freight Tonnage

$36 Billion in Economic Contribution to the State

Marine Industry
- Sea/Coastal Water Transportation (4831)
- Inland Water Transportation (4832)
- Support Activities for Water Transportation (4883)
- Ship Building/Repair (33661)

Marine Supporting
- Trucking
- Rail
- Warehousing / Distribution

Marine Users
- Industries Activity Producing / Consuming Commodities Moving via water

Services to Freight

Shipper / Consignee
## Commodity Flows and Economic Value

### Composition of Total Impacts (Economic Output)

<table>
<thead>
<tr>
<th>Impact Type</th>
<th>Direct Impact</th>
<th>Total Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Employment</td>
<td>Income</td>
</tr>
<tr>
<td>Port User</td>
<td>59,372.9</td>
<td>3,681.5</td>
</tr>
<tr>
<td>Rail</td>
<td>1,704.7</td>
<td>302.4</td>
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<tr>
<td>Truck</td>
<td>8,015.9</td>
<td>513.4</td>
</tr>
<tr>
<td>Warehouse</td>
<td>1,831.0</td>
<td>179.9</td>
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<tr>
<td>Water</td>
<td>3,757.7</td>
<td>301.2</td>
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<tr>
<td>Total</td>
<td>74,682.2</td>
<td>4,916.4</td>
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</tbody>
</table>

### Total Output by Activity ($M)

- **Port User**: 78%
- **Water**: 10%
- **Truck**: 8%
- **Rail**: 3%
- **Warehouse**: 1%
Illinois Waterways 2017 Freight Tonnage

- Two-thirds outbound
- Mississippi and Illinois River volumes roughly equal
- Chicago Region particularly significant for in-state
- Ohio River mainly outbound

2017 Illinois Tonnage by Direction & Waterway

- 9.6 Million Tons
- In-State: 9%
- Inbound: 22%
- Outbound: 69%

- Chicago Region
- Illinois River
- Kaskaskia River
- Mississipi River
- Ohio River
- Other/NEC
Illinois Waterway 2045 Freight Forecast

- 4 million ton net gain
- Loss in outbound freight offset elsewhere
- Outbound decline is mainly in coal
- Ohio River loses most traffic: ↓ 31%
- Chicago Region gains most: ↑ 37%
Food Products Outlook

- Food products are #1 on IMTS and mainstay of outbound volume: 56 percent in 2017
- Two-thirds of food is corn and soybeans
- Volatile export market is key driver of volume for top commodity group on IMTS
- 2045 forecast expects continuing, moderate growth
Industry Profiles

Food Products
- Main product is corn and soybeans
- Farm and food manufacturing 13.7% of State GDP
- 97% of outbound shipments of food product traveled to Louisiana
- Corn
  » 25% of state output went to export in 2018
- Soybeans
  » 40% of state output went to export in 2018

Coal
- 15% of nation’s economically recoverable coal reserves are in Illinois
- Illinois' utilities consume 20% of states coal output
- 25% of Illinois' coal output goes to export
- Public utilities in 8 states received Illinois coal by water in 2018, accounted for 95% of waterborne coal shipments

Primary Metal Products
- Main products are iron and steel
- Primary metal manufacturing represents 2% of the private goods producing sector in 2017 Illinois GDP
- Fabricated metals manufacturing represent more than 7% of Illinois GDP
- Several thousand metal fabrication facilities within three miles of the IMTS, employing over 12 thousand people.
Port District Profiles

- **Port District Specific**
  - 19 Port Districts
  - Multimodal connections, terminal information economic value, commodity flows, port owned property

**Port Owned Property Overview**

**Top Commodities**

1. Food
2. Fertilizer
3. Petroleum products

**District Commodities Volume**

2017 Commodities by County* (inbound, outbound, in-state):
- **Madison County**: 4.2 million tons
- **Jersey County**: 14 million tons

*Note America's Central Port District does not encompass the entirety of the listed counties.

**Economic Value**

<table>
<thead>
<tr>
<th></th>
<th>Port User</th>
<th>Marine Industry</th>
<th>Marine Supporting</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment</td>
<td>9,009</td>
<td>1,051</td>
<td>1,921</td>
<td>11,980</td>
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<tr>
<td>Income</td>
<td>$557.6M</td>
<td>$70.5M</td>
<td>$117.7M</td>
<td>$765.5M</td>
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<td>Value Added</td>
<td>$947.9M</td>
<td>$117.7M</td>
<td>$196.9M</td>
<td>$1,262.5M</td>
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<td>Output</td>
<td>$1,982.3M</td>
<td>$265.8M</td>
<td>$343.4M</td>
<td>$2,591.5M</td>
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Needs Assessment and Strategy Development

Provides an analysis of the needs and strategies for the IMTS

Topics covered

» Peer State and Neighbor State Review
  ✓ MTS Planning and Funding Programs
  ✓ Dredging Programs

» Critical Needs of the IMTS and Its Stakeholders

» Programmatic Recommendations

» Benefits of Action
Programmatic Recommendations

• Create a Marine Section within IDOT with dedicated staff
• Formally “integrate marine” as a mode within IDOT
• Formally “integrate marine” throughout the State of Illinois
• Develop Illinois marine system funding program
• Use existing funding sources to address marine needs
• Streamline processes for port activity permitting, dredging and making beneficial use of dredged materials
• Re-evaluate the Port District Structure within the State
• Establish port district board appointment process within IDOT
NEXT STEPS for IMTS Plan

▪ Early August: Draft Plan to Steering Committee for Review & Comment (2-week review)

▪ Late August/September: Address/Respond to Steering Committee Comments

▪ September: Release Draft Plan and Overview PowerPoint for Broad Stakeholder Review (30 – day review)

▪ October: Address/Respond to Comments

▪ November: Publish Final Plan
Thank You

Additional Questions?
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