2040 NORTH DAKOTA STATE RAIL PLAN
EXECUTIVE STEERING COMMITTEE KICK-OFF MEETING

PREPARED FOR
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

PREPARED BY
WSP | PARSONS BRINCKERHOFF

SEPTEMBER 8, 2015
Parsons Brinckerhoff

- Experienced in developing PRIIA compliant state rail plans
- Team member Great Northern Corridor Coalition SWOT Analysis
- Updating Rail Transportation Rail Bottom Line Report for the state DOTs
Parsons Brinckerhoff Team

- KLJ
  - Extensive local knowledge and experience
  - Role: shortlines and transfer facilities
- Odney
  - Conducted significant number of NDDOT outreach efforts
  - Role: lead public involvement and stakeholder outreach efforts
Parsons Brinckerhoff Team

• Olsson Associates
  ▪ Rail inventory and crossing analysis expertise; advisor to GNCC
  ▪ Institutional knowledge
  ▪ Role: infrastructure evaluation and institutional assessment
• Sambatek
  ▪ Local experience and DBE qualifications
  ▪ Role: GIS and environmental issues
• Witt O’Brien’s
  ▪ Safety expertise; author of *Crude Oil Preparedness Report*
  ▪ Role: safety and emergency response issues
Issues

• Ensuring safe rail transportation
  – Crude Oil and Other Hazmat Transportation
  – Grade Crossings
• Providing consistently reliable, diverse service
  – Class I railroads – all commodities
  – Short line railroads – upgrading and preservation
  – Passenger rail – appropriate intercity service
• Rail service expansion – economic development
  – Intermodal Container Transfer Facility
  – Transload facilities
  – Emerging industries
• Funding future rail
• Understanding/defining role of the state of North Dakota
Scope of Services
Phase I
North Dakota Rail System Baseline
Project Planning Tasks

Task 1  Project Management Plan
• Project Management Plan
• Data Collection Plan (UGPTI)

Task 2  Stakeholder Coordination & Outreach
• Identification of stakeholders:
  ▪ Railroads
  ▪ Freight shippers/passenger advocates
  ▪ State agencies
  ▪ Local agencies, MPOs, economic development groups
  ▪ Tribal nations
  ▪ Multi-state organizations
  ▪ Others
• Workshops, meeting schedules
• Communications and website design
• Initial interviews
• Survey development
Task 3  System Description and Inventory

- Railroad company profiles – North Dakota rail network
- Infrastructure and facilities
- Freight and passenger facilities
- Freight operations: train types and services
- Passenger operations and performance
- Passenger ridership
- Rail safety and security profile/assessment
- Current rail freight initiatives
Task 4 Institutional Structure

- Legislative history
- Regulations, policies, programs
- Organizations and organizational structures
- State-local-regional integration
Task 5 Rail Vision, Goals, and Objectives

- Vision, goals, objectives development
- Identification of performance measures

Investment criteria, metrics

Issues to investigate

Vision, Goals, Objectives → Inventory and Assessment → Issues and Opportunities → Planning for the Future and Investment Program
Task 6  Freight Dependent Industries & Traffic Analysis

- Freight dependent industry identification (UGPTI)
- Emerging industries (UGPTI)
- Freight traffic analysis (UGPTI)
Role of Rail Tasks

Task 7 Current Role of Rail (UGPTI)

• Freight market participation – freight modal shares
• Passenger market participation – passenger modal shares
• Modal connectivity
Scope of Services
Phase II
Identification of Rail Needs and Opportunities
### Needs Analysis Input Tasks

| 8. Stakeholder Outreach | • Expert roundtable meetings  
|                        | • Public meetings  
|                        | • Individual interviews |

| 10. Trends and Other Considerations | • Safety concerns  
|                                    | • Market expansions and emerging industries  
|                                    | • Changing trade patterns  
|                                    | • Reconfiguration of logistics networks  
|                                    | • Railroad strategies  
|                                    | • Demographics  
|                                    | • Changing land-use patterns  
|                                    | • Policy changes |
### Needs and Opportunities Identification Tasks

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
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| 9. Effectiveness of Institutional Structure, Rail Programs, Policies | • Evaluation of institutional structure  
  • Recommended improvements                                           |
| 11. Rail Transportation, Economic, Environment, and Safety Assessment: Needs and Opportunities | • Assessment of rail benefits/contributions  
  • Identification of needs and opportunities: mobility, connectivity/access, state of good repair, economic development, environment, safety/security |
Scope of Services
Phase III
Rail Service and Investment Program
### Rail Service and Investment Program Tasks

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
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| 12. Rail Service Investment Projects and Initiatives | - Identification of projects and initiatives: infrastructure, operations, policies, institutions  
- Determine costs  
- Scoring approach |
| 13. Rail Service and Investment Program | - Prioritization  
- Funding alternatives  
- Rail Service and Investment Program  
- Implementation plan |
Rail Plan Roll-Out Tasks

14. Final Plan Preparation

- Draft plan for public comment
- Final state rail plan
- Final state rail plan rollout
Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Month</th>
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<tbody>
<tr>
<td>Kick-Off Meetings (NDDOT, ESC, PSC, Others)</td>
<td>Sep</td>
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<tr>
<td>Task 1 Project Management Plan</td>
<td>Oct</td>
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<tr>
<td>Task 2 Stakeholder Coordination and Outreach Planning</td>
<td>Nov</td>
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<tr>
<td>Task 3 System Description and Inventory</td>
<td>Dec</td>
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<td>Task 4 Institutional Structure</td>
<td>Jan</td>
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<tr>
<td>Task 5 Rail Vision, Goals, and Objectives</td>
<td>Feb</td>
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<tr>
<td>Visioning Workshop</td>
<td>Mar</td>
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<tr>
<td>Task 6 Freight Dependent Industries and Market Analysis</td>
<td>Apr</td>
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<tr>
<td>Task 7 Role of Rail in North Dakota</td>
<td>May</td>
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<tr>
<td>Task 8 Stakeholder Coordination and Outreach</td>
<td>Jun</td>
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<tr>
<td>Task 9 Effectiveness of Existing Rail Programs</td>
<td>Jul</td>
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<tr>
<td>Task 10 Trends and Other Considerations</td>
<td>Aug</td>
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<td>Task 11 Needs Analysis</td>
<td>Sep</td>
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<td>Task 12 Rail Service Investment Projects and Initiatives</td>
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<td>Task 13 Rail Service and Investment Program</td>
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<tr>
<td>Task 14 Implementation Program</td>
<td>Dec</td>
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<td>Task 15 State Rail Plan Preparation</td>
<td>Jan</td>
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