Eddy County MTP Overview

General contents

▲ Reviews County transportation system and future improvements by mode
▲ County population, employment, and commuting patterns
▲ Identifies transportation needs and funding opportunities
▲ Strategies and recommendations

Decision-making framework

▲ Functional classification system
▲ Prioritization process
Goals and Objectives

- Evaluate the need for expanded capacity
- **Coordinate decisions** on capital improvements and maintenance
- Address **right-of-way** issues on County roads
- Improve **safety** throughout the network
- Consider **public transit** opportunities and bicycle facilities
- Encourage and support **regional coordination** on transportation planning decisions
- Goals serve as organizing tool for prioritization process
Coordination with Comprehensive Plan

▲ Comp Plan under development
▲ Same baseline conditions
▲ Same growth projections
  – Disproportionately high amount of growth in Lea County will be in unincorporated County lands
▲ Functional classification system and transportation analysis utilized in Comp Plan strategies and recommendations
Commuting Patterns

▲ Change in commuting patterns over time

▲ Commuters entering Eddy County
  – 2002: 2,400
  – 2014: 8,900

▲ Commuters leaving Eddy County
  – 2002: 4,000
  – 2014: 6,900
Safety

▲ Identify roads with high numbers of crashes 2011-2013
  - Illinois Camp Rd
  - Shugart Rd
  - Old Cavern Hwy
  - Hagerman Cutoff
  - Derrick Rd

▲ Incorporate crash data into prioritization process
Carlsbad Transportation Network Study
- NMDOT acknowledges benefits; determined that the bypass routes do not currently warrant the expenditure of state/federal funds

Eddy County is pursuing implementation

Plan recommendations
- Identify county-wide truck freight network
- Identify locations for additional freight services
- Investments in infrastructure that supports intermodal facilities
Benefits of Functional Classification System for Eddy County

▲ Evaluate uses and functions of roadway network
▲ Focus data collection and monitoring efforts
▲ County maintenance program
▲ Design standards and pavement mix
▲ Project prioritization for ICIP selection
▲ Eligibility for federal funding

▲ 4 roads approved at SERTPO meeting in June 2016
Existing Eddy County Functional Classification System

Legend

- Functional Classification
- Other Roads
- Local
- Minor Collector
- Major Collector
- Principal Arterial
- Eddy County Boundary

All Roadways

Eddy Co. Roadways

Legend

- Functional Classification
- Non County Roads
- Local
- Minor Collector
- Major Collector
- Minor Arterial
- Eddy County Boundary

February 2016
Author: gmaynard
Updated Roads

Legend

- Local
- Minor Collector
- Principal Arterial
- Proposed Major Collector
- Proposed Minor Collector
- Proposed Principal Arterial
- Eddy County Boundary
- City Boundaries

Bohannan Huston

Miles

0 5 10 15 20

April 2014

Author: gmynard
Prioritization Process

▲ Decision-making tool

- Assist in selection of transportation projects for Infrastructure Capital Improvement Program (ICIP)
- Identify locations with particular infrastructure needs or issues

▲ Linked to Goals and Objectives of *Eddy County Master Transportation Plan*

▲ Integration with other County tools, including Roadway Management System
Prioritization Criteria

▲ Roadway type
  – Paved or unpaved

▲ Pavement conditions
  – Utilize Roadway Management System

▲ Safety
  – Total crashes
  – Roadway conditions

▲ Traffic volume

▲ Land Use
  – Current and proposed

▲ Funding – encourage use of shared resources

▲ Public support

▲ Consistency with other planning efforts
## Prioritization Process

### Criteria & Evaluation

▲ Maximum score of 100

▲ Distributed fairly evenly across 10 criteria

▲ Utilize existing data (must be updated regularly)

▲ Evaluate existing or proposed roadways

▲ Can be evaluated by County staff

### Point Distribution by Category

<table>
<thead>
<tr>
<th>Category</th>
<th>Criteria</th>
<th>Maximum Points</th>
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<tbody>
<tr>
<td>Roadway Conditions</td>
<td>Roadway Type</td>
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<tr>
<td>Roadway Conditions</td>
<td>Pavement Condition (PCI)</td>
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<td>Roadway Conditions</td>
<td>Traffic Volume (AADT)</td>
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<td>Safety</td>
<td>Design Standards</td>
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<td>Safety</td>
<td>Total Crashes (3-Year)</td>
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<tr>
<td>Land Use</td>
<td>Current Land Use</td>
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<td>Project Coordination</td>
<td>Plan Consistency</td>
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100
Prioritization Process - Pilot Study

Pilot Study Roads
- Illinois Camp Rd (CR 206)
- Cherry Lane (CR 612)
- 13th Street (CR 110)
- Shugart Rd (CR 222)
- Armstrong Rd (CR 12)
- Whites City Rd (CR 724)

Calibrate prioritization process by testing various road types
- Paved and unpaved roads
- High and low volume
- High and low crash totals
- Test how process performs for new roads
Pilot Study Web Map

http://bhwms.bhinc.com/EddyCountyPrioritization/default.aspx
Pilot Study Web Map

- Publicly-accessible
- Can incorporate many layers of data
- Identify roads and view relevant data
- Pilot Study Web Map contains data and scores for 6 pilot study roads
Prioritization Process – Project Evaluation

▲ Tool that Eddy County staff can utilize for evaluating projects
# Prioritization Process – Project Evaluation

## Score Table Report

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<thead>
<tr>
<th>Roadway ID Number</th>
<th>County Road Number</th>
<th>Road Name</th>
<th>Roadway Type Score</th>
<th>Pavement Condition Score</th>
<th>Traffic Volume Score</th>
<th>Design Standards Score</th>
<th>Crash Score</th>
<th>Current LandUse Score</th>
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Recommendations

▲ Data collection programs to support prioritization process, Roadway Management System

▲ Truck freight network

▲ Safety improvements

▲ Address commuting challenges

▲ Leverage funding opportunities (e.g. FEMA)
Comments / Questions?

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