



Highway 1/169 Improvements Six Mile Lake Road to Bradach Road “Eagles Nest”



October 4, 2013
Public Information Meeting
MnDOT Office - Virginia



Today's Meeting Guidelines

- Agenda Overview
- Short Presentation ~ 20 min
- Questions/Comments
 - 3 Minute Limit per person



Agenda

- 2013 Construction Projects
- Eagles Nest Improvements
 - Project Update
 - Environmental Update/ Schedule
 - Alternative Evaluation
 - Traffic Data
 - Project Schedule
- Questions



TH 169 Construction Improvements

- 13 Hills Construction (Black Bear)



TH 1/169 Construction Improvements

- Tower and Ely – Urban Projects



TH 1/169 Construction Improvements

- TH 1/169 Mill and Overlay (Tower to Ely)
- TH 1 South to the Kawishiwi River





Project Update

- Design / Alternative Evaluation

- Modified the Upgraded Existing Corridor Alternative presented in Feb. 2013. Developed preliminary design of a alternative that could be constructed under traffic. – Middle Route
- Follows the existing roadway corridor

- Field Work

- Drilling for soils exploration completed for Middle Route
- Iron Formation (w/ pockets of sulfide zones) exploration for Middle Route

- Traffic

- Compiled recorded traffic crash data (1984-2013)

- Environmental Process

- Environmental Assessment (EA) is scheduled to be complete late 2013





Environmental Assessment (EA) – Update and Schedule

- Purpose and Need Updated
 - Primary Purpose– Address safety concerns
 - Crash Rates
 - Passing Opportunities
 - Inadequate safe pullover areas
 - Primary Need
 - Substandard Design Elements
 - Infrastructure Maintenance
- Environmental Documentation - Schedule
 - Finalize Purpose and Need
 - Environmental Assessment – to FHWA and Public Agencies ~ November 2013
 - Public Comment Period – Early 2014
 - Alignment Selection – Early Summer 2014



Alternative Evaluation

- 18+ Alternatives Analyzed
- Property Impacts
- Environmental Impacts (Wetlands, Iron Formation (w/Sulfide Zones))
- Shading Problems/ Maintenance Costs
- Geometrics / Passing Opportunities
- Construction Staging
- Identified 2 Alternatives - South Route & Middle Route





Alternative Analysis

Impacts	No Build	South Route	Middle Route
Project Funds (HPP)	\$15.3M (Fed.) + \$3.9M (State) = \$19.2M		
Construction/ROW Cost (1)	\$0	\$21.6 Million	\$17.3 Million
Wetland Impacts	0 Acres	16.2 Acres	11.3 Acres
Rock Exc. (Volume)	None	266,000 CY	69,000 CY
ROW Impacts (New)	None	113 Acres	35 Acres
Detour Impacts	None (2)		
Shoulder Widths	3' paved / 1' gravel	8' paved/ 1.5' gravel	6' paved/2' gravel
Min. Horiz. Design Speed	55 MPH	60 MPH	55 MPH
Min. Vert. Design Speed	45 MPH	60 MPH	55MPH

(1) 2016 Dollars

(2) Potential Detour Impacts – Based on Final Design and Staging



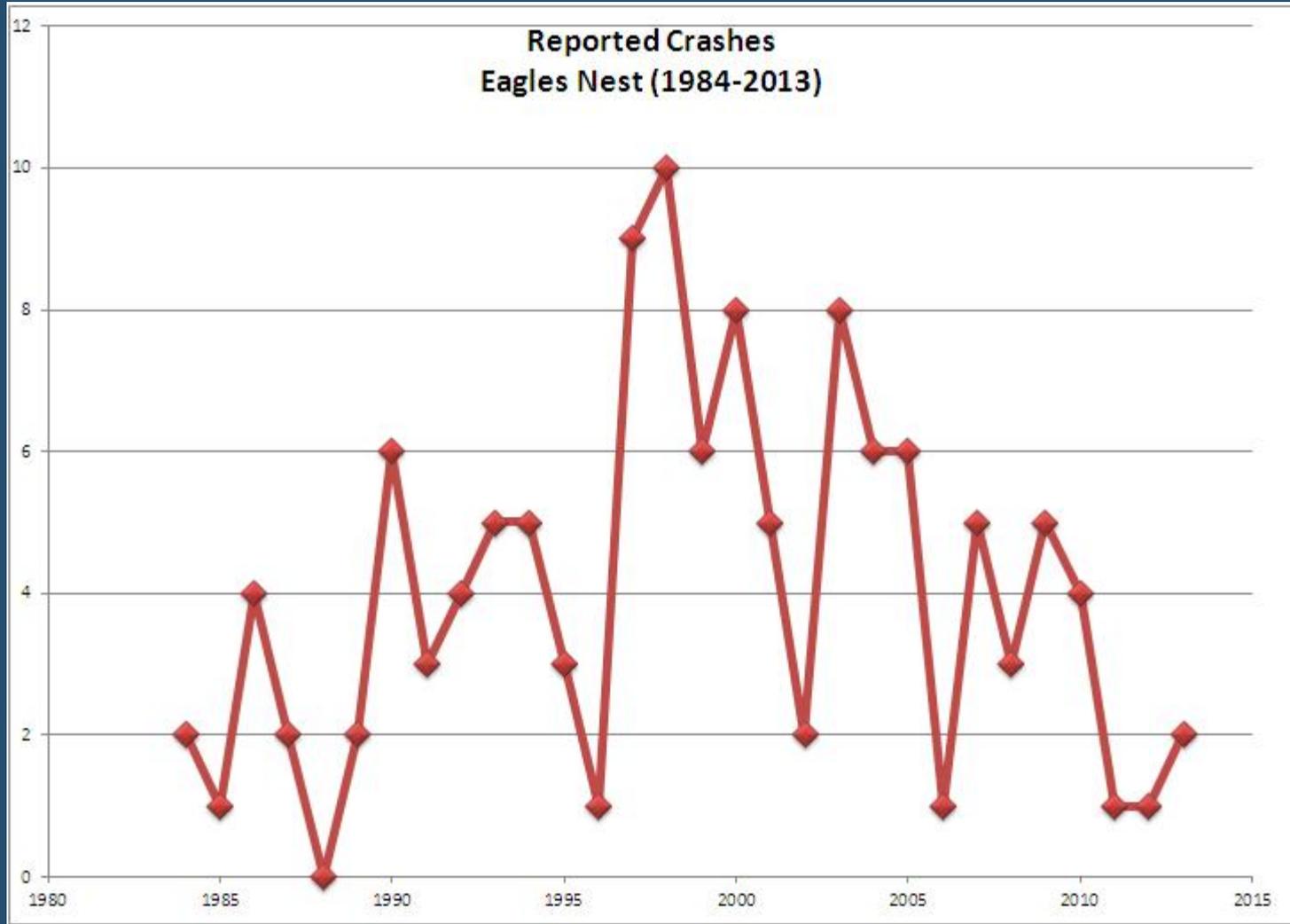


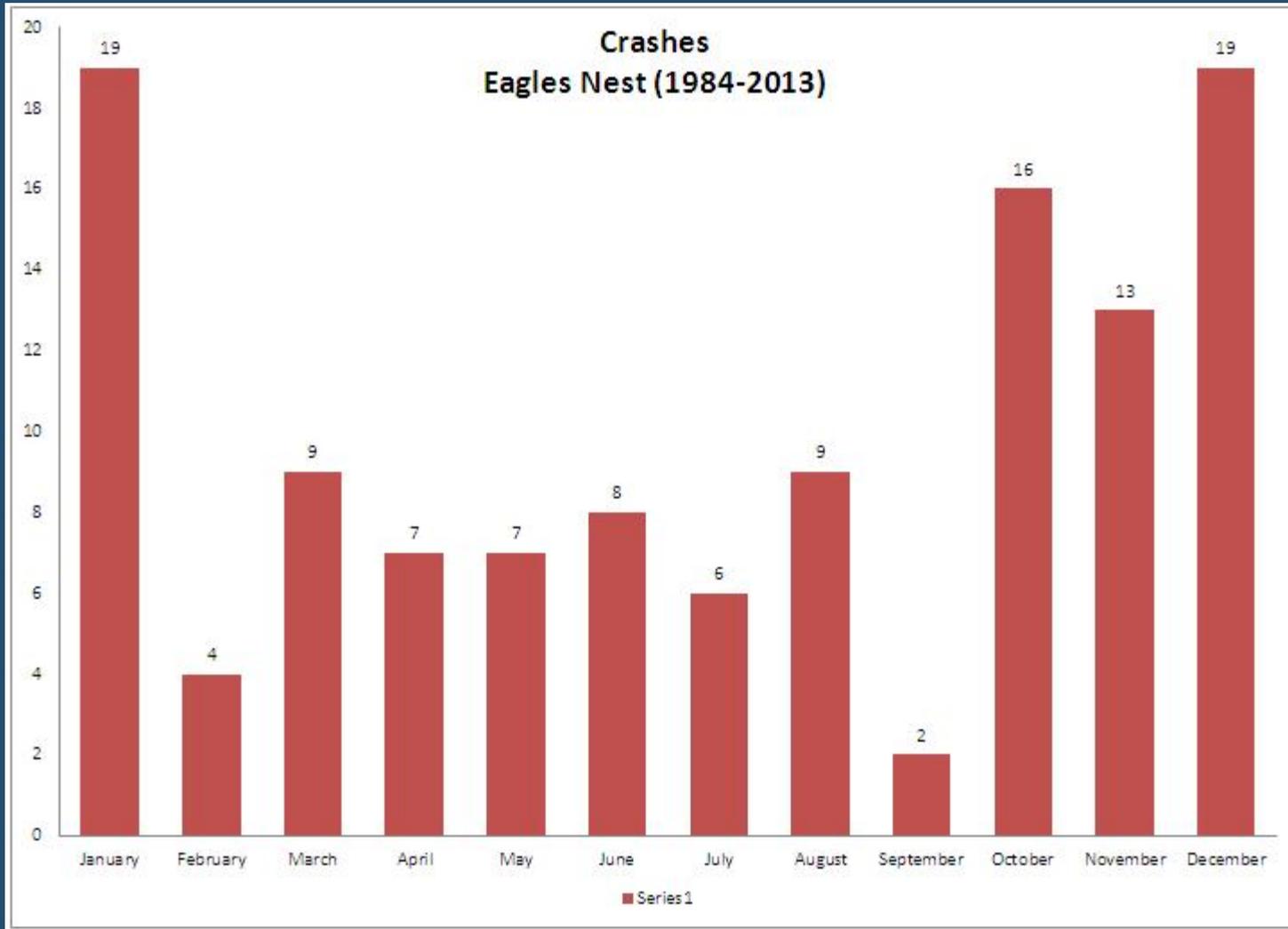
Alternative Analysis (Continued)

Impacts	No Build	South Route	Middle Route
Meets Current Standards	NO	YES	YES
Passing Opportunities	3 each direction 0.8 mi NB 0.7 mi SB	5 each direction 2.5 mi NB 2.4 mi SB	5 each direction 1.2 mi NB 1.2 mi SB
# of Turn Lanes Added	0	4 RT Turn Lanes 1 Bypass Lane	4 RT Turn Lanes 1 Bypass Lane
Shading (3)	3.6 Miles	1.4 Miles	3.2 Miles
Predicted Crash Rates	6.5/ year	3.9 / year	4.6/ year

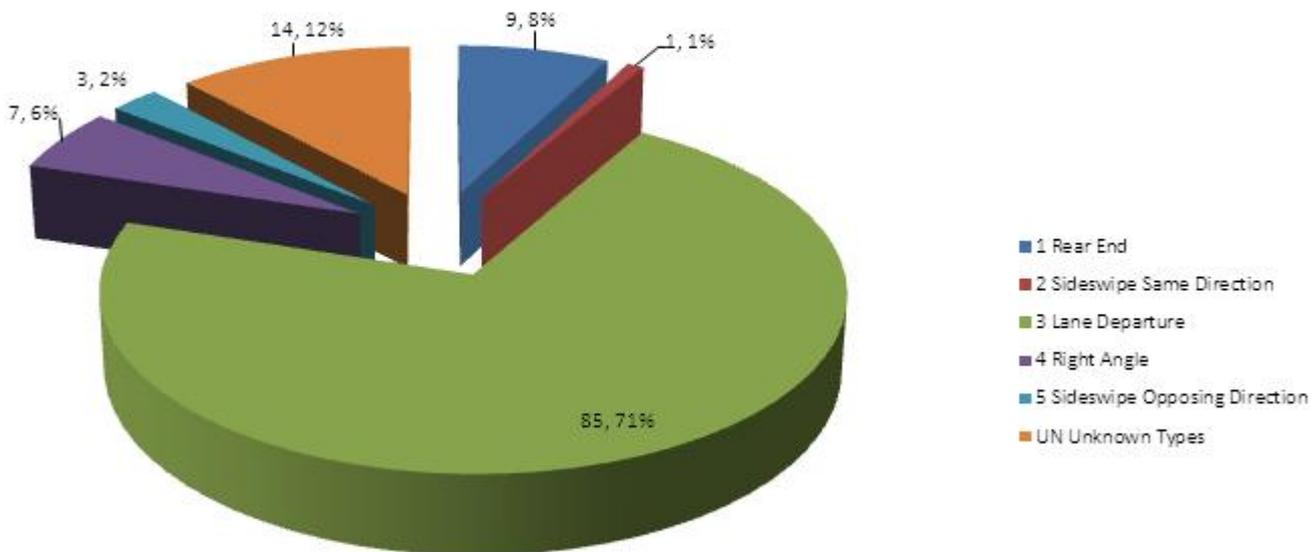
(3) Shading is estimated using MnDOT Video Log, Proposed Cross Sections and Field Review







**Crash Diagram
Eagles Nest (1984 - 2013)**





Project Schedule - Steps For Completion

- Complete Environmental Documentation
 - Purpose and Need
 - Environmental Assessment to FHWA and Cooperating Agencies November 2013
 - Public Comment Period – Early 2014
 - Alignment Selection – Early Summer 2014
- ROW Acquisition
- Permitting
- Final Plans
- Construction 2016-2017





QUESTIONS / COMMENTS?



- 3 Minute Limit per person

