NM 502 Roadway Improvements
Knecht Street to Tewa Loop

CN 5100650R3
Pre-Construction Public Meeting
March 20, 2019
Presentation Agenda

• Introduction
• Project Background
• Project Limits & Major Features
• Construction Phasing (350 working days) March through November 2020
• Questions
Project Background

• **Project Identification**
  • Regional Planning Process
  • Joint Effort – NMDOT & LA County

• **Needs**
  • Capacity and Safety
    • Roadway & Intersection Operations
    • Pedestrian/Bicycle Facilities
  • Storm Drainage Management
  • Utility Upgrades
  • Pavement Improvements
  • Aesthetics – Main Entrance into Los Alamos
Project Background (Cont’d)

- **Study Phase**
  - Alignment Studies
    - Needs Assessment – NM 502 Transportation Corridor Study & Plan
    - Evaluation of Alternatives
  - Public/Agency Involvement
    - Public Meetings
      - February 2, 2005
      - March 16, 2006
      - July 7, 2011
      - February 20, 2013
    - County Council Meetings
      - January 25, 2011
      - September 6, 2011
      - February 7, 2012
      - December 11, 2012
    - Corridor Study Meetings
      - Residents and Neighborhoods with Trinity access (9/1/10 and 1/11/11)
      - Businesses with Trinity access (9/2/10 and 1/12/11)
      - Businesses on the Corridor and on Central (9/1/10, 9/2/10, 1/11/11, and 1/12/11)
      - Councilors and councilors-elect (10/6/10, 10/7/10, and 11/16/11)
      - Los Alamos National Laboratory Project Manager Group (11/17/10)
      - Cyclists (11/16/10)
      - Public Meetings (10/6/10 and 11/17/10)
      - Transportation Board Meeting (9/2/10, 11/17/10)
      - Environmental Sustainability Board (11/18/10)
Project Limits & Scope

• Knecht to DP Road
  • Completed Work – LA County
    • Storm Drain, Utility Work & Roadway Improvements
    • Smith’s Development
  • Remaining Work
    • Pavement Rehabilitation
    • Minor Driveway & Sidewalk Improvements (north side)
    • New Signing & Striping

• DP Road to Tewa Loop
  • Full Roadway Reconstruction
Major Project Features

• Roadway Improvements
  • Vehicle Travel Way, Pedestrians, Bicyclists, Pedestrian Crossings, ADA Compliance
• Traffic Roundabout at NM502/Central/4th
• Realignment of Canyon Road
• Storm Drain System
• Utility Relocations & Upgrades
• Updated Lighting System
• Landscaping Improvements
Roundabout
Realignment of Canyon Road
NM 502 ROUNDABOUT ROADWAY TYPICAL SECTIONS

TYPICAL SECTION BB

TYPICAL SECTION AA

TYPICAL SECTION CC
### YEAR 2030 ROUNDABOUT TRAFFIC OPERATIONS

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<th>Movement</th>
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¹ LOS Source: 2010 Highway Capacity Manual – Unsignalized Intersections

² Queue represents maximum 95th percentile lane queue, 25 feet per vehicle
• Storm Drain System
  • Knecht to DP Road Already Complete
  • New Storm Drain System – DP Road to Tewa Loop
Utility Relocations/Upgrades

- Utility Relocations & Upgrades
  - Coordination with LA County Utilities Department (Gas, water, sewer, communication & electric)
  - Comcast, Century Link Relocations
  - Coordination with LANL
Water
Sewer
Los Alamos County Communications
Landscaping Improvements

- New Landscaping
  - Roundabout
  - Parkway Areas (Between Curb & Sidewalk)
  - Medians
  - Pocket Park
  - Right-of-Way (Between Sidewalk and Property Line)

- Irrigation System

- Coordination with LA County Parks Department
Maintenance of Traffic

- **Objectives**
  - Maintain orderly traffic operations/Minimize delays
  - Develop Phasing to allow for Constructability
  - Maintain Public/Business Access
  - Address Contractor Restrictions
    - (No Temporary Closures 7 – 9 AM & 9 PM – 7 AM)

- **Four main traffic control phases**
  - *Phase IA – preparation for Phase I (No Detours)*
    - Detour pavement for Phase I traffic
  - *Phase I – Construction of southern portion of NM 502 and Canyon Road and 4th Street*
    - *Phase IIA – preparation for Phase II*
      - Complete construction of 4th Street
      - Install SD Trunk Line
  - *Phase II – Construction of northern portion of NM 502 and Central Avenue (Roundabout)*
  - *Phase III – Construction of Medians east of Canyon Road (No Detours)*
Phase IA
March & April

Construct detour pavement
• Median Islands (flagging operation)
• North side widening will be completed after the island where they are adjacent

Install utility crossings (Gas, Water, Comm, Elec)
• Crossings installed ½ at a time as needed to maintain service
• If possible maintain service and complete crossing in Phase 2

• No Detours
Phase I
Construct South Side

- Underground – April – August
  - Storm Drains & Sanitary Sewer
  - Utilities (Gas, Water, Comm, Elec)
- Roadway – May - October
  - Removals & Grading – May - June
  - Retaining Walls – July - September
- Roadway – August - September
- Surfacing – August-October

- WB 502 traffic detoured to Central Ave
- EB 502 traffic detoured to Central Ave via 4th St
- 4th St SB traffic to use Iris St to 6th St
- Canyon Rd closed except to residents along work zone and emergency vehicles
Phase IIA

Preparation for Phase II

- Construct detour pavement East Rd median - November
- Construct 4th St Realignment – October – November
- Utility Crossings

- WB 502 traffic detoured to Central Ave
- EB 502 traffic detoured to Central Ave via 4th St
- 4th St Closed between Central Ave & Iris St
- DP Rd built in halves
- Canyon Rd closed except to residents along work zone and emergency vehicles
Phase II

*Construct North Side*

- Underground Work
  March - May 2020
  - Storm drain trunk line
  - Utilities (Gas, Water, Comm, FO)
- Roadway – June - August 2020

- EB & WB 502 Traffic – One lane in each direction 7th St to Tewa Lp
Phase III
Construct Medians Utilities
Sept – Oct 2020

- Knecht St – DP Rd
  - Oct-Nov 2020
- Ramps/Sidewalk/Signal
- New Pavement
- (Striping & Landscaping)

- EB 502 traffic 7th St to Tewa Lp - One Lane
- WB 502 traffic Tewa Lp to Knecht St – One Lane
Questions