

Bohannan 🔺 Huston

Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

February 6, 2025 Transportation Board

Attachment A

INTRODUCTIONS



Keith Wilson

Project Manager

Public Works Department



Jared Lee Engineering Principal



Attachment A

Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

PROJECT UPDATE

35

Attachment A

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VICINITY MAP

Within the Project Area:

- NM4
- Piñon Park
- Piñon Elementary School





Los Alamos County NM4 Crossing & Multi-Use Trail Improvements



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AGENDA

- HAWK Crossing Location Re-evaluation
- NM4 Westbound Lane Reduction **Re-evaluation**
- NM4 Northside Trail Location **Re-evaluation**
- Piñon Elementary School Trail Update
- Schedule
- Questions/Feedback

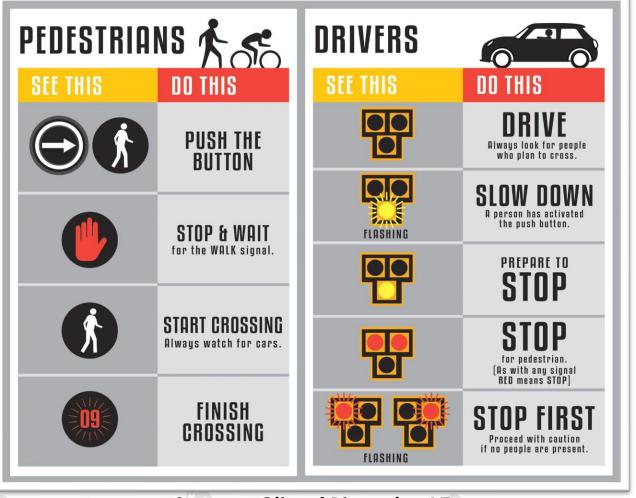


PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION

HAWK SIGNALS



Source: The Land



Source: City of Phoenix, AZ



Attachment A

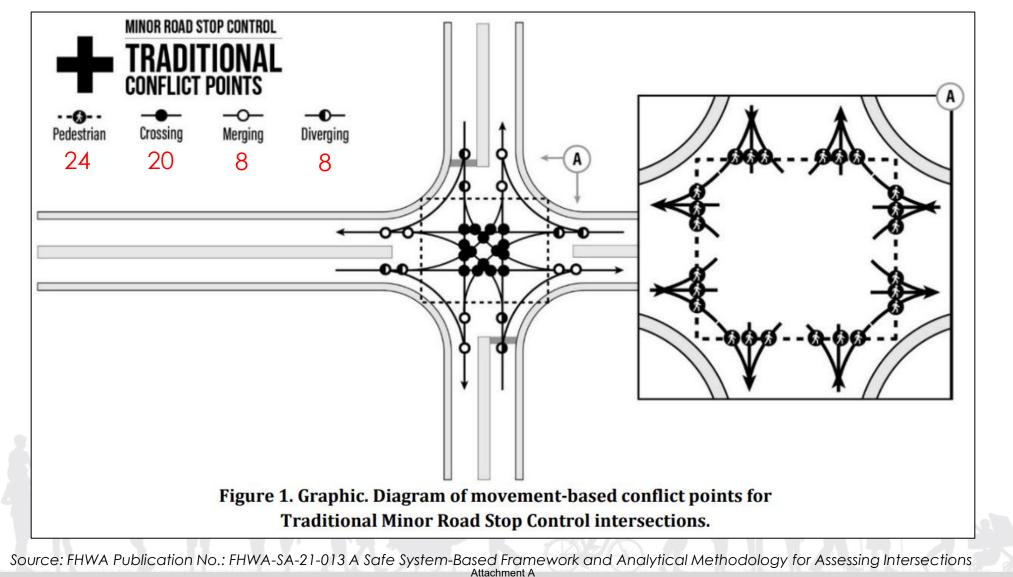
Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION



LOS ALAMOS

PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION NM4/La Vista Dr Intersection





PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION NM4/La Vista Dr Intersection

NM4

- 36 Vehicle/Vehicle Conflict Points
- 24 Pedestrian/Vehicle Conflict Points
- 6 Pedestrian/Vehicle Conflict Points in HAWK Crossing
- 67ft Crossing Distance
- No Median Refuge
- 19 Second Exposure @ 3.5ft per sec



NM4

Pedestrian Route Pedestrian Conflict Point

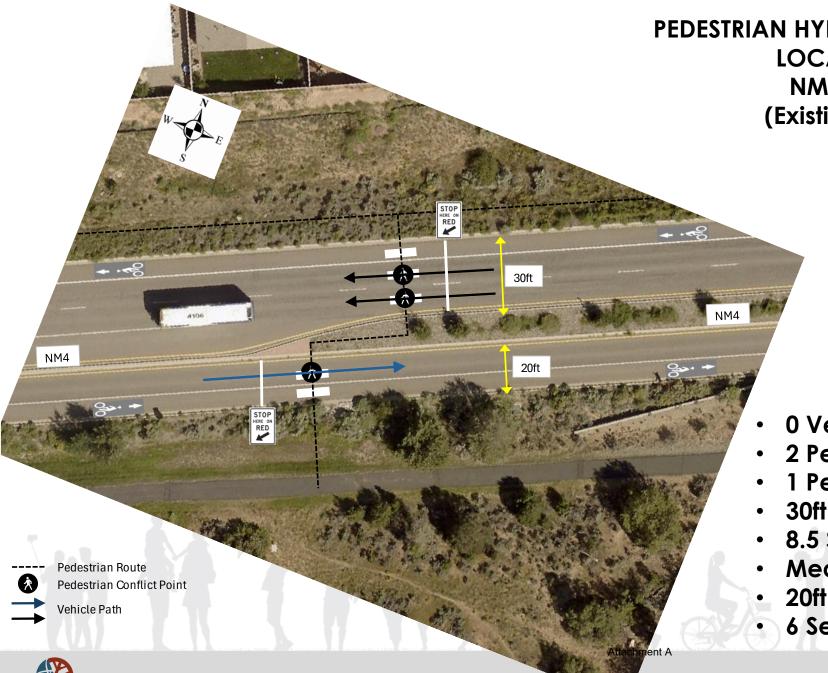
Vehicle Path

LA VISTADR

STOP HERE ON RED

67ft

D'S MONTERER "



LOS ALAMOS

PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION NM4 Mid-Block Location (Existing Road Cross Section)

- 0 Vehicle/Vehicle Conflict points
- 2 Pedestrian/Vehicle Conflict Points (WB)
- 1 Pedestrian/Vehicle Conflict Points (EB)
- 30ft Crossing Distance (WB)
- 8.5 Second Exposure @ 3.5ft per sec (WB)
- Median Refuge
- 20ft Crossing Distance (EB)
- 6 Second Exposure @ 3.5ft per sec (EB)

PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION NM4 Mid-Block Location (Proposed WB Lane Reduction Cross Section)

- 0 Vehicle/Vehicle Conflict points
- 1 Pedestrian/Vehicle Conflict Points (WB)
- 1 Pedestrian/Vehicle Conflict Points (EB)
- 20ft Crossing Distance (WB)
- 6 Second Exposure @ 3.5ft per sec (WB)
- Median Refuge

20ft

20ft

- 20ft Crossing Distance (EB)
- 6 Second Exposure @ 3.5ft per sec (EB)



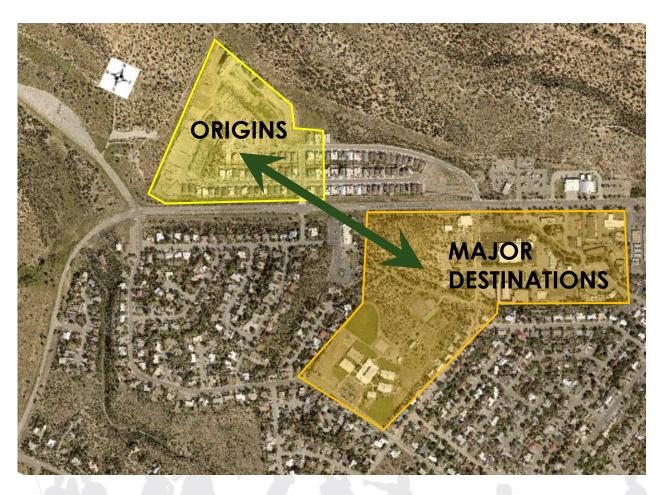
NM4

Pedestrian Route

Vehicle Path

Pedestrian Conflict Point

PEDESTRIAN HYBRID BEACON (HAWK) CROSSING LOCATION RE-EVALUATION SUMMARY



NM4/La Vista Intersection

Cons

Pros

- Convenient Route for All Destinations
- Increased Pedestrian
 Exposure
- Complex Decision
 Making for all Users
- Less Safe
- Longer Delays

Mid-Block Crossing

RECOMMEND Mid-Block Crossing

Pros

- Minimal Pedestrian Exposure
- Simplified Decision
 Making for all Users
- Safer
- Shorter Delays
- Convenient Route for Major Destinations

Cons

 Less Convenient Route for Some Destinations



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Attachment A



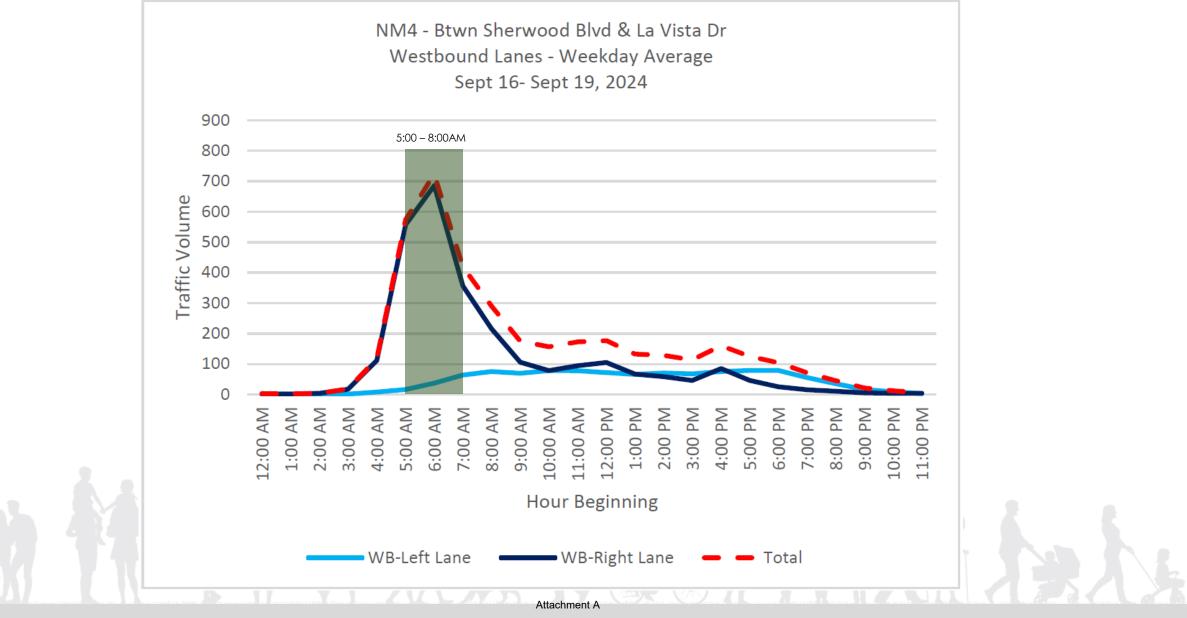


Existing Cross-Section Sherwood Blvd to La Vista Dr





Los Alamos County NM4 Crossing & Multi-Use Trail Improvements













NORTHSIDE TRAIL LOCATION RE-EVALUATION

New Trail in Buffer Area



- Alignment could not be place at the back of curb due to requiring significant drainage work.
- Corridor with minimal utility conflicts available.
- Require cut in some areas and fill in others to meet ADA slope requirements and connection to mid-block crossing.
- Basalt Rock is near surface in some areas.
- Estimated cost approximately 5 Times more than the cost to place the trail in NM4 Roadway



NM4 WESTBOUND LANE REDUCTION RE-EVALUATION NORTHSIDE TRAIL LOCATION REVALUATION SUMMARY

NM4 Westbound Lane Reduction

Pros

- Allows Trail to Utilize
 Roadway reducing
 construction costs
- Help Moderate
 Speeds to 35 MPH
 Speed Limit
- Improved safety at mid-block crossing
- Could be reestablished in the future if capacity is needed

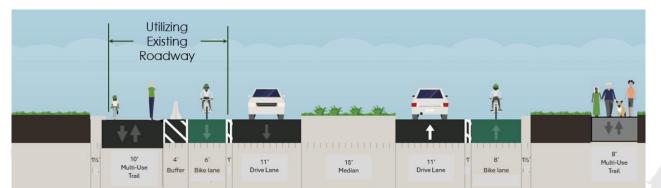
Cons

- Potential delays from slow moving trucks
- Pros
- Trail Buffered from
 NM4

Northside Trail in Buffer Area

Cons

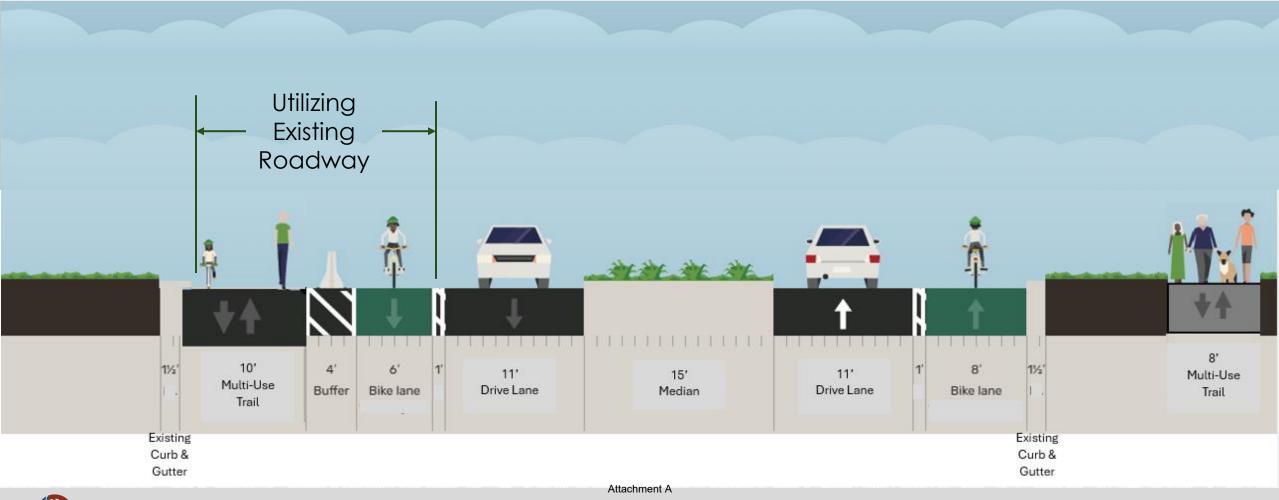
- 5 Times more Cost
- Some Construction Unknowns (Basalt)



RECOMMEND WB Lane Reduction and Trail Placement on NM4



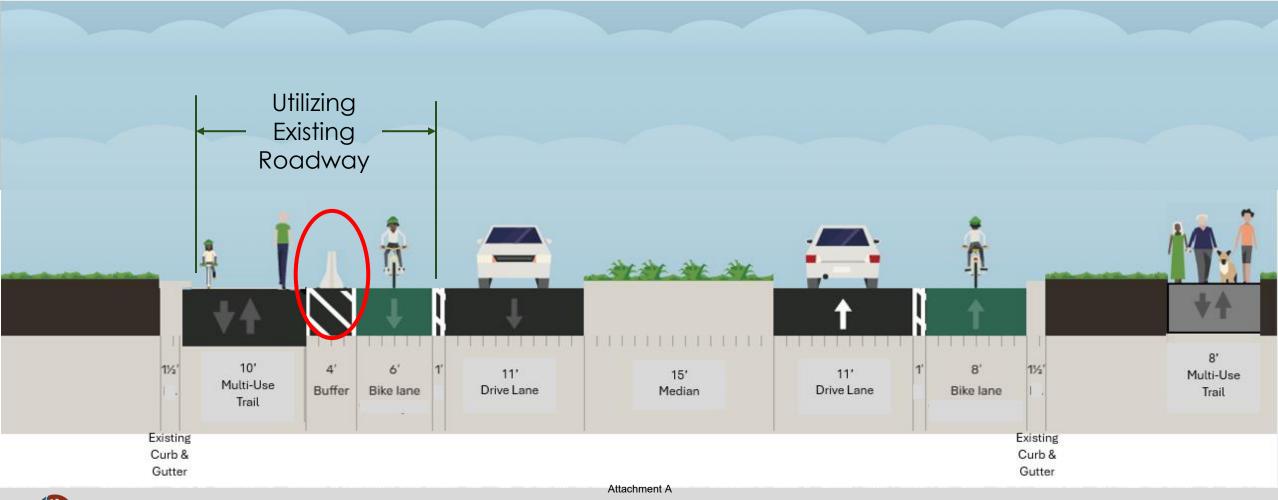
NM4 PROPOSED CROSS SECTIONS





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NM4 PROPOSED CROSS SECTIONS

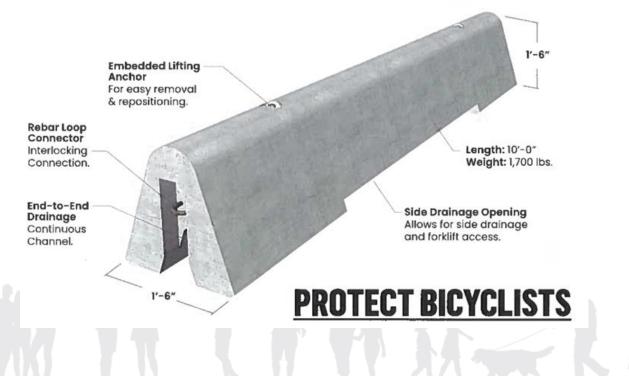




Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

PROPOSED TRAIL BUFFER BARRIER

SAFE-T LANE Bike Lane Divider







Attachment A

Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

PROJECT DETAILS PIÑON ELEMENTARY TRAIL

- Easement drafted and under review by Los Alamos Public Schools to allow this trail section to be incorporated into the project.
- ~850 linear feet of existing trail reconstruction along the west side of the school campus to improve the existing trail condition and accessibility. With Easement it will be open for public access.
- Extending the existing trail to connect with the sidewalk on the northside of Grand Canyon Drive
- Continuing to pursue Federal Funding for this Trail.

Existing Trail to be Reconstructed New Trail

Existing Trail needing to be Reconstructed ECEMIER

New Trail Connection to Grand Canyon Dr



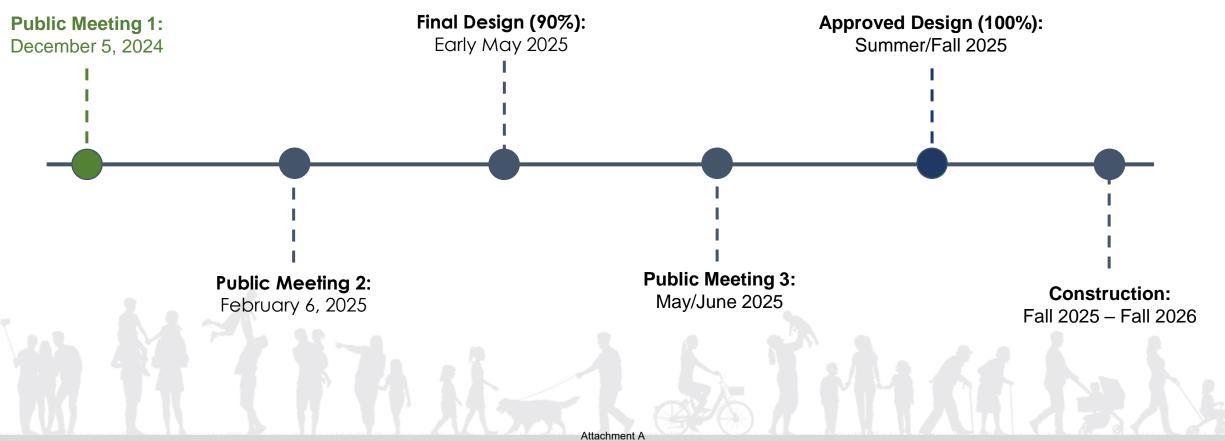
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o Sherwood Blvd

Businesses

PROJECT SCHEDULE





Los Alamos County NM4 Crossing & Multi-Use Trail Improvements

QUESTIONS?





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Comments/Contacts

Please submit all comments in writing by **COB February 20** to:

Keith Wilson Public Works Department 1000 Central Avenue, Suite 160 Los Alamos, NM 87544 or Email: **keith.wilson@lacnm.us** or Phone: **(505)663-1757**



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Attachment A

Thank You!

The Public Works Department staff thanks you for taking time out of your busy schedule to participate in the design and construction of this important public project!



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