

# Noise Variance Consultation

## **Kalaniana'ole Highway Improvements Phase 1 Olomana Golf Course to Vicinity of Pō'alima Street**

August 4, 2015, 6:00 – 8:00 pm Waimanalo Public and School Library

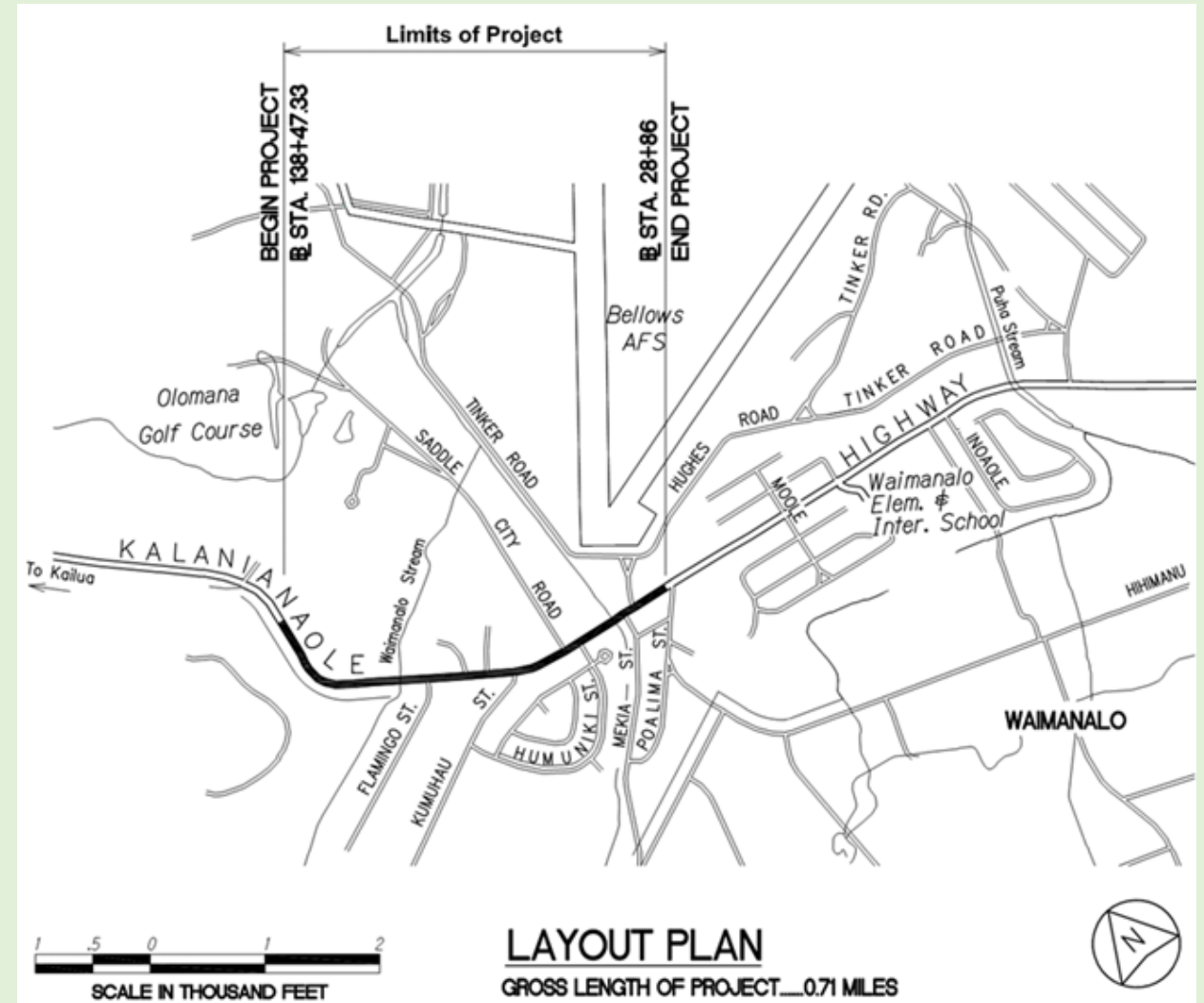
Hawai'i Department of Transportation

Highway Division



# Purpose of Today's Meeting

- Project History and Updates on Current Status
- Noise Variance Consultation



Phase I Project Limits



# Project Schedule

## **Phase I: Olomana Golf Course to the vicinity of Pō'alima Street**

- Finalize Re-evaluation of the Environmental Assessment by August 2015
- Ready to Advertise by Summer 2015
- Begin Construction by Spring 2016
- Estimated Construction Completion by Spring 2017

*OUR FOCUS TODAY IS ON THE NOISE VARIANCE*

## **Future Phases II and III**

- Phase II: Pō'alima Street to Aloiloi Street
- Phase III: Aloiloi Street to Waimānalo Beach Park (Huli Street)
- Anticipated Design Schedule: 2016 - 2019



# Project History

- Seven Public Information Meetings held from 2001 and 2006



- Final Environmental Assessment (EA) approved in 2007
- The EA resulted in a “Finding of No Significant Impact”

# Project Scope of Work (Phase 1)

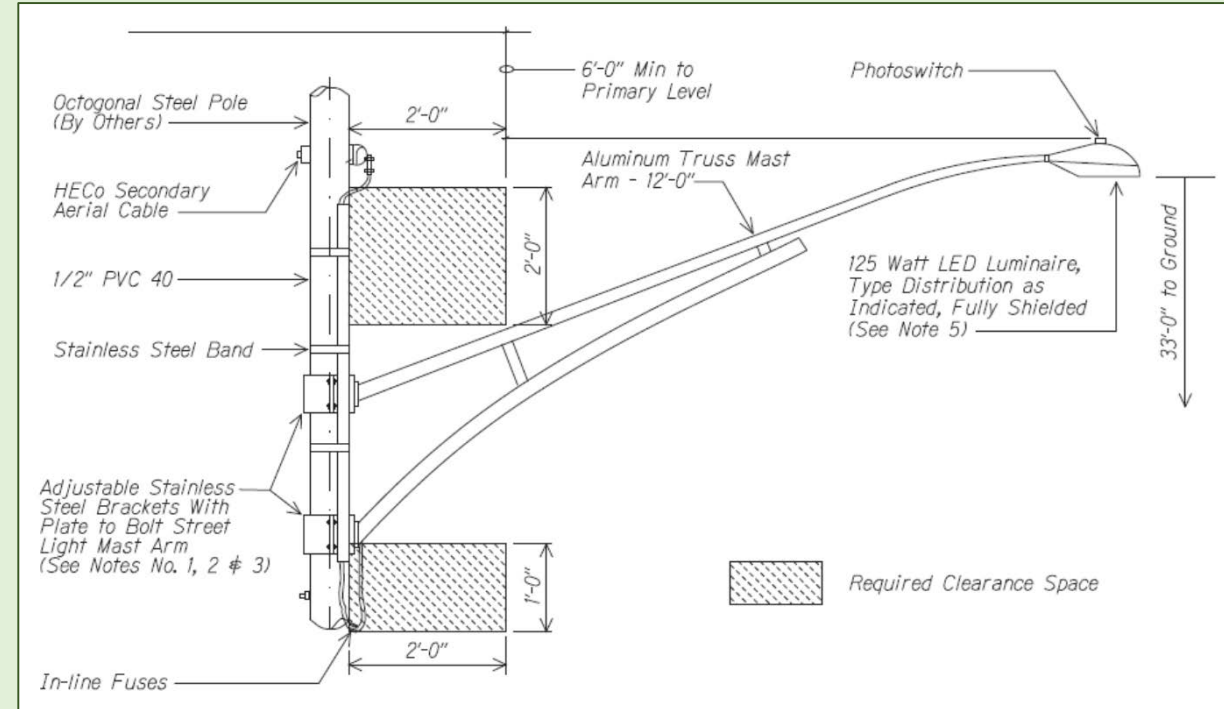
- Install left turn lanes at Flamingo Road, Kumuhua Street, and Humuniki Street
- Reconstruct and or resurface highway pavement
- Paved shoulder for shared-use (bicycle, pedestrian)
- New concrete sidewalk on the mauka side of the highway
- Reconstruct curbs, ramps, and driveways



Current stairs and ramp at Jack in the Box on makai side of the Highway

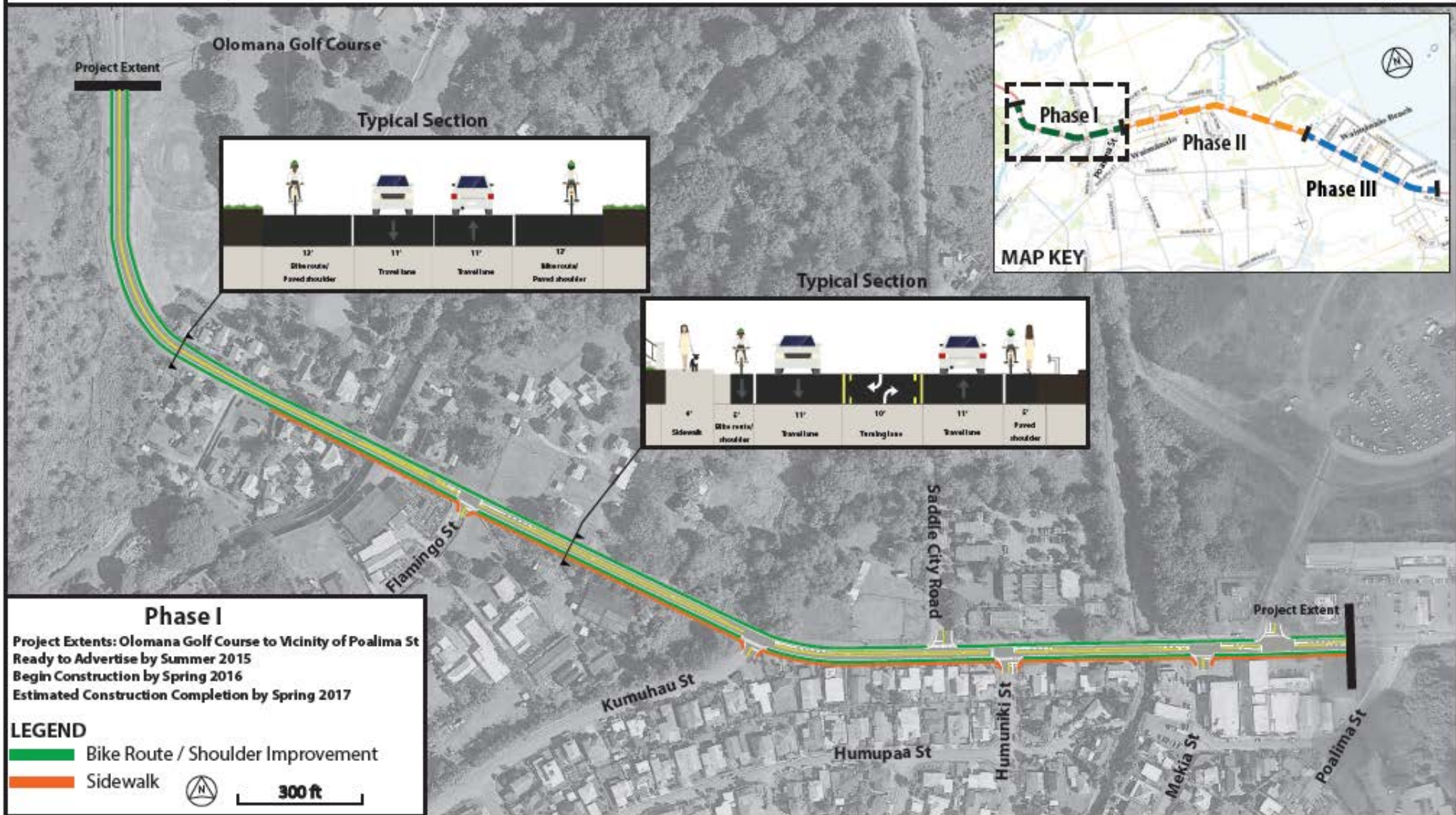
# Project Scope of Work (Phase 1, continued)

- Install new stripped medians and raised median
- Replace guardrails
- Drainage improvements
- Replace sign and pavement markings
- Relocate and replace utility poles
- Replace highway lighting system to LED shielded lights on utility poles



# SITE PLAN AND SECTIONS FOR KALANIANA'OLE HIGHWAY IMPROVEMENTS PHASE I

Olomana Golf Course to Vicinity of Poalima Street  
 Federal Aid Project No. NH-072-1(53)



# Noise Variance Consultation

## Noise Regulations

- HAR Title 11, Chapter 46 sets the rules and restrictions on sound levels for construction projects. It states:
  - *“No permit shall allow any construction activities which emit noise:*
    - *Monday thru Friday before 7 a.m. and after 6 p.m. of the same day*
    - *Saturday before 9 a.m. and after 6 p.m.*
    - *Sundays and on Holidays”*
- A Noise Variance must be obtained for any construction activities to occur outside the permissible hours (i.e. after 6 p.m. weekdays).



# Noise Variance Consultation

## Proposed Noise Variance

- Noise Variance Application for Phase 1 construction submitted to DOH
  - Requested that work be allowed 24 hours, 7 days a week, except Sept 15 – Dec 15, for 1 year
- We anticipate that most of the work will occur during the day, but night work maybe required
- We will work with the Contractor to decide on the least impactful schedule

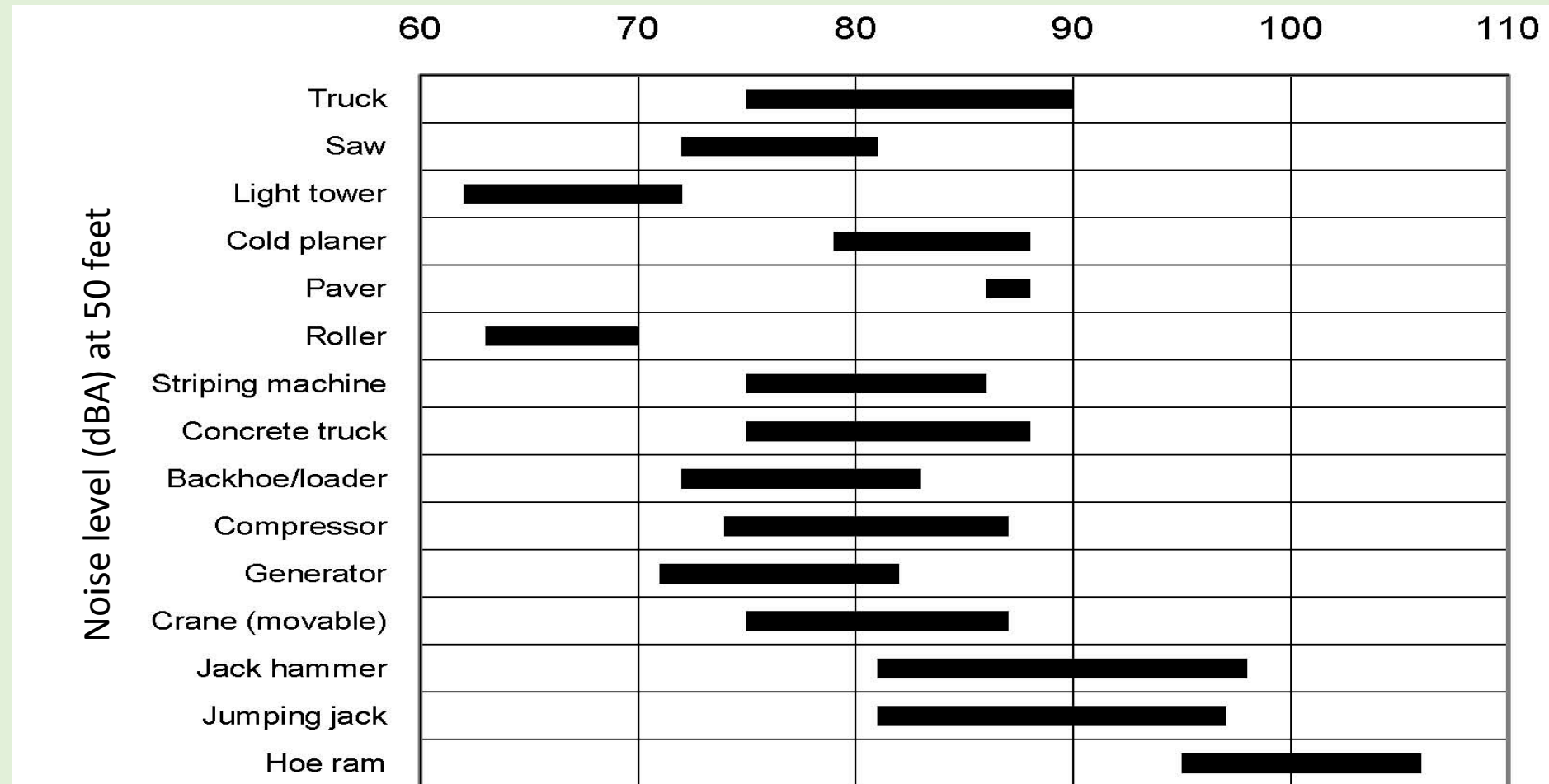
# Propagation of Sound

- As sound travels away from its source, it becomes quieter.
- More sound is received by an ear 10 feet from a source than at 20 feet from the source.
- For construction, noise decreases at a rate of 6 to 8 dBA each time the distance from the source doubles.



# Noise Variance Consultation

## Construction Equipment



# Noise Variance Consultation

## Noise Abatement

- All equipment with an exhaust of gas or air will be equipped with mufflers
- HDOT field personnel and the Contractor will monitor all equipment and construction activities on the job site
- Instructional meetings will be held for construction crews and truck drivers
- The Contractor will have a corrective action program

# Public Comments and Questions

- Any comments regarding the proposed Noise Variance?
- Make comments here tonight or take home a comment form and mail it to us on or before September 15, 2015.



- Please be respectful to those speaking
- Please keep focused on the Noise Variance
- Any other project-related questions will be answered once we complete discussing the Noise Variance



HDOT

[dotpao@hawaii.gov](mailto:dotpao@hawaii.gov)

[hidot.hawaii.gov](http://hidot.hawaii.gov)

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(808) 587-2160

# Mahalo

*Thank you for your patience as  
HDOT works to improve  
our state highways*