# Rio Grande Avenue (CR661) Entrance Improvements
# Preliminary Design Presentation

## Community Public Information Center
October 2, 2017

City of Wildwood
Cape May County

# Presentation Overview

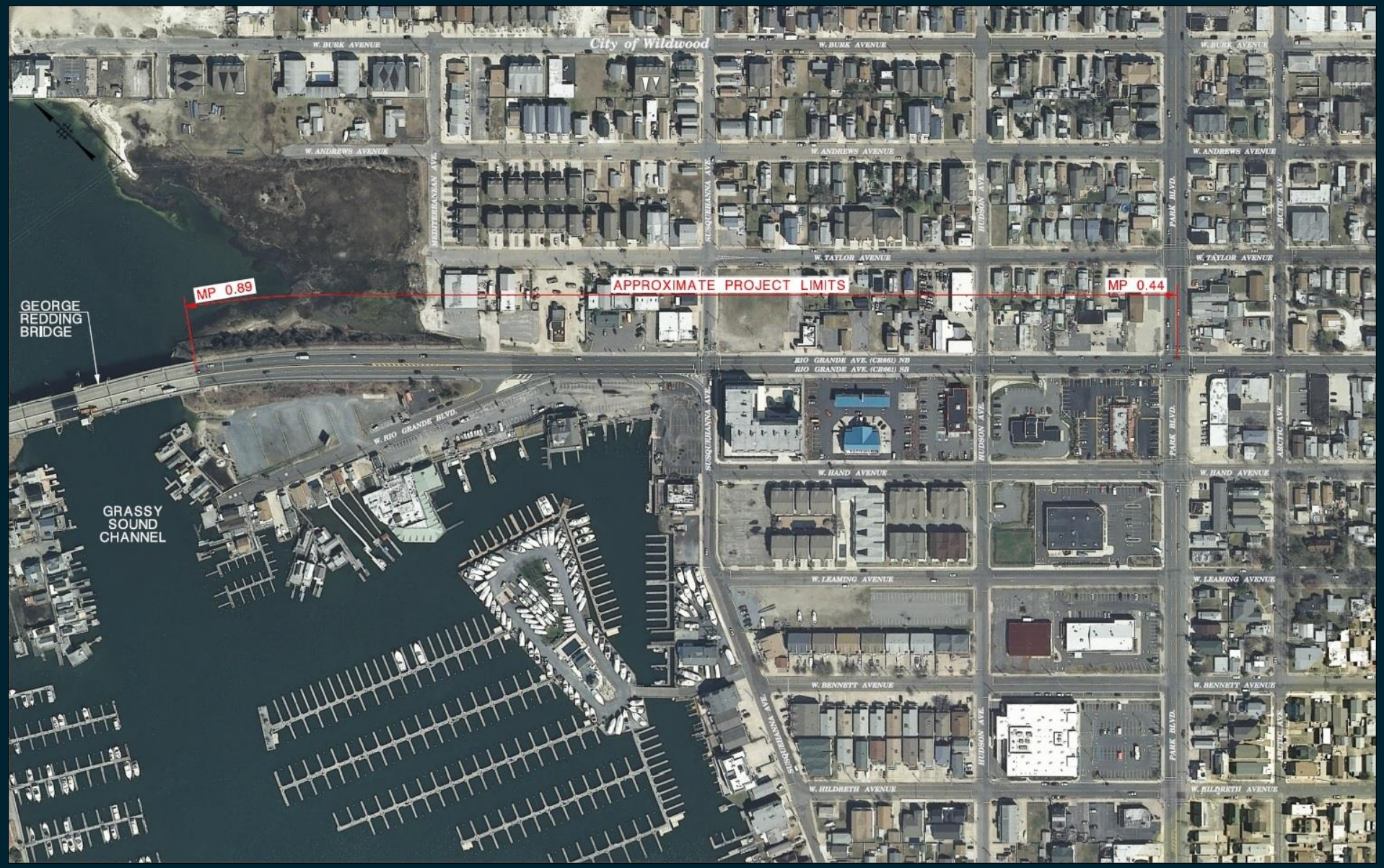
- Project Overview
- Existing Conditions
- Geometry Improvements
- Drainage Improvements
- Aesthetic Improvements
- Project Schedule
- Questions ???

# Project Overview

# Project Overview

- **Project:**
  - Rio Grande Avenue (CR661) Entrance Improvements
- **Purpose:**
  - Cape May County is improving Rio Grande Avenue to address the following:
    - Reduce traffic congestion;
    - Address left turn movements;
    - Enhance pedestrian and bicycle usage;
    - Alleviate frequent roadway flooding;
    - Improving deficient existing drainage systems; and
    - Enhance the appearance of the gateway
- **Location:**
  - Rio Grande Avenue (CR661), Milepost 0.44 - 0.89
  - City of Wildwood, Cape May County
  - From the George Redding Bridge to Park Boulevard

# Project Overview



# Existing Conditions

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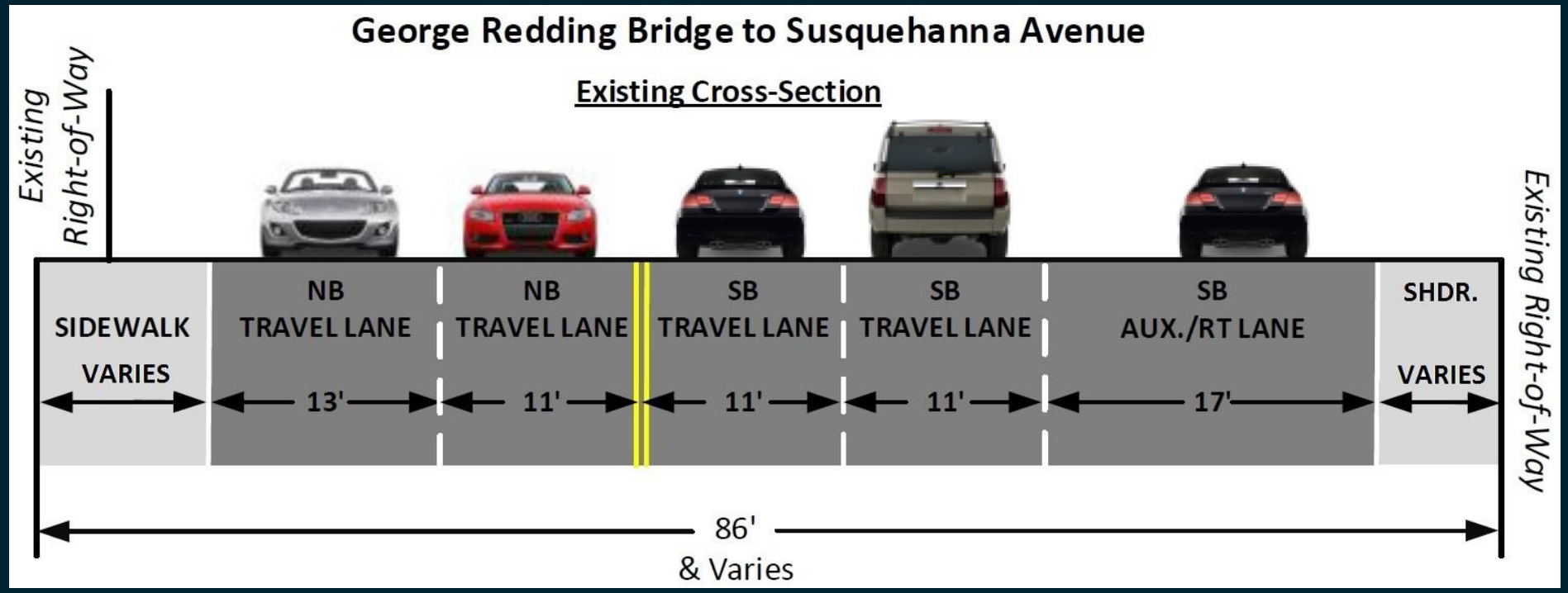
❖ **Existing Features from George Redding Bridge to Susquehanna Avenue**

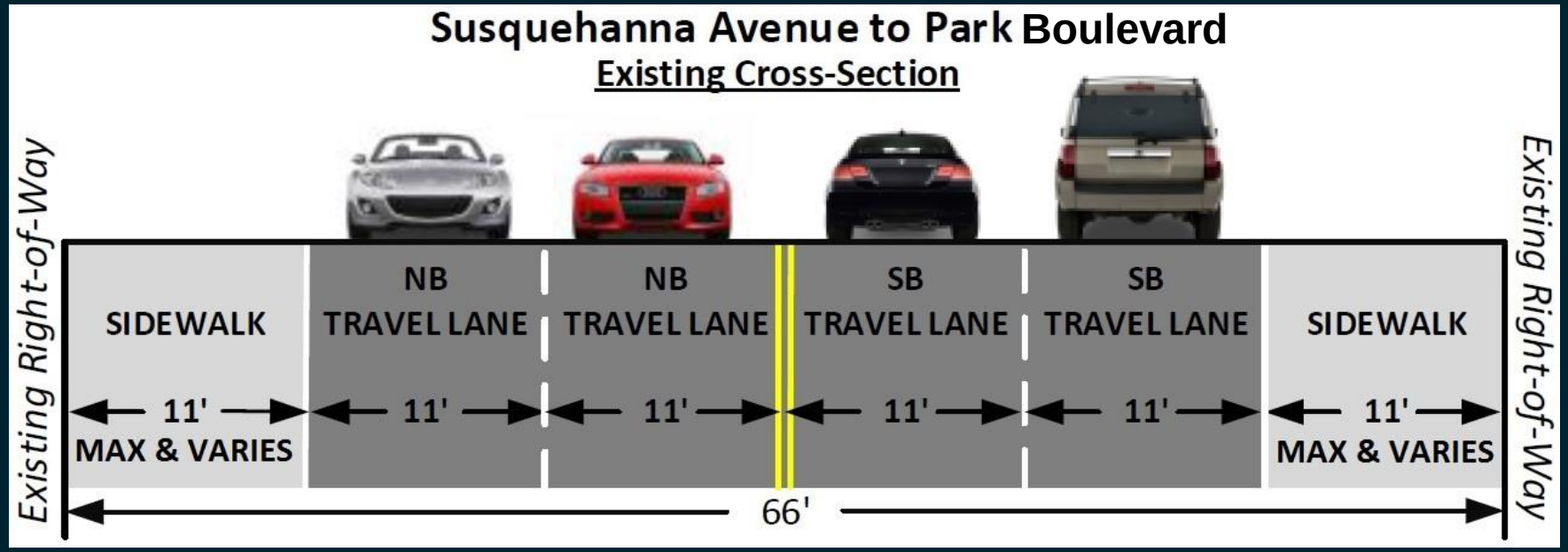
- 2 northbound lanes, 3 southbound lanes
- 11’-17’ lane widths
- Varying shoulder widths
- Sidewalk on southbound side, worn path northbound side



# Existing Conditions

❖ **Existing Features from Susquehanna Avenue to Park Boulevard**

- 2 northbound lanes, 2 southbound lanes
- 11’ lane widths
- No shoulders
- 4’ - 11’ sidewalks on each side



# Existing Conditions

❖ **Existing Bicycle/Pedestrian Facilities**

- Lack of connectivity
- Substandard sidewalk width
- ADA non-compliant curb ramps

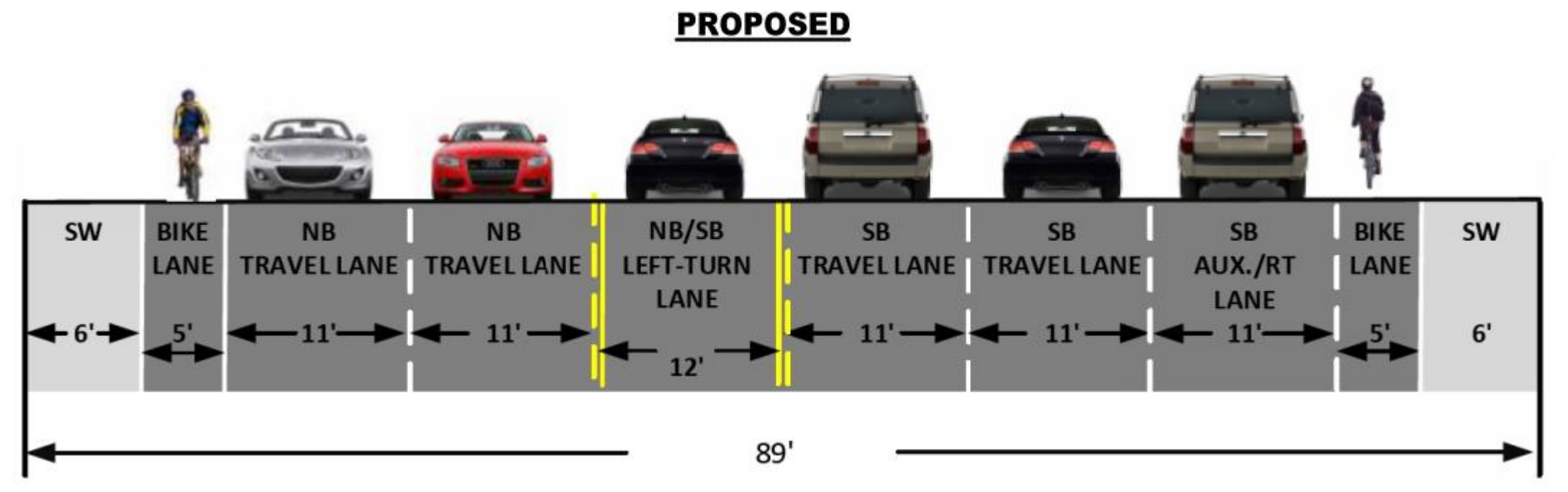
# Geometry Improvements

## Geometry Improvements

# Geometry Improvements

❖ **Preliminary Design (George Redding Bridge to Susquehanna Avenue)**

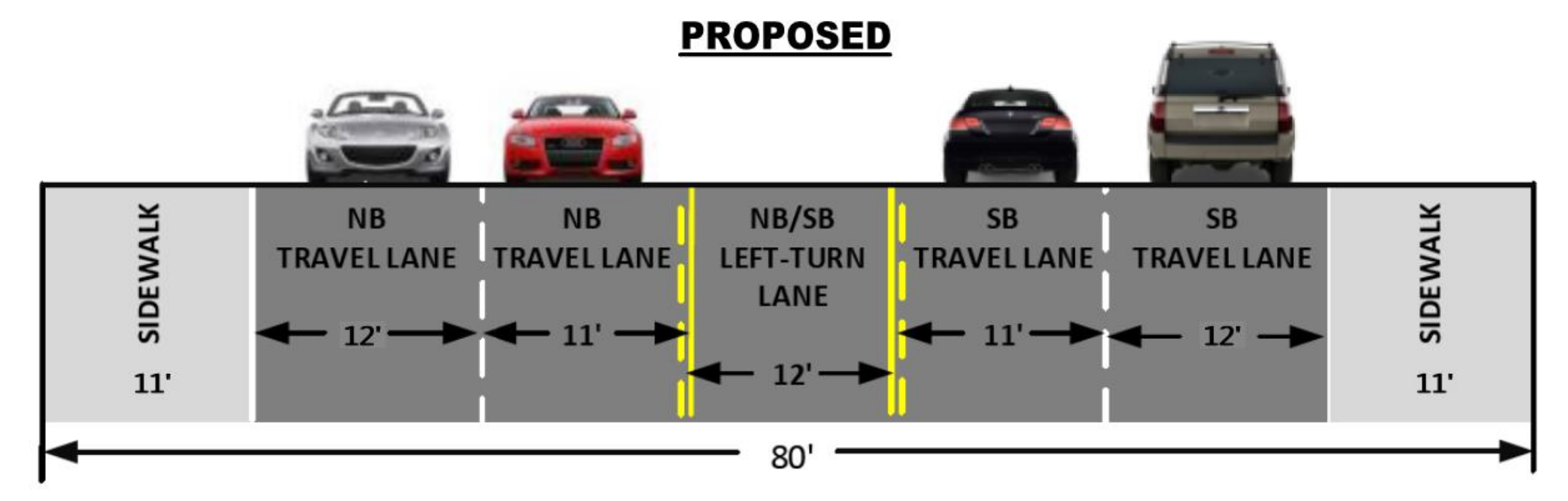
- Two 11’ NB Travel Lanes
- Two 11’ SB Travel Lanes
- One 11’ SB Auxiliary/Right Lane
- One 12’ Two-Way Left Turn Lane
- 5’ Bike Lanes
- 6’ Sidewalks



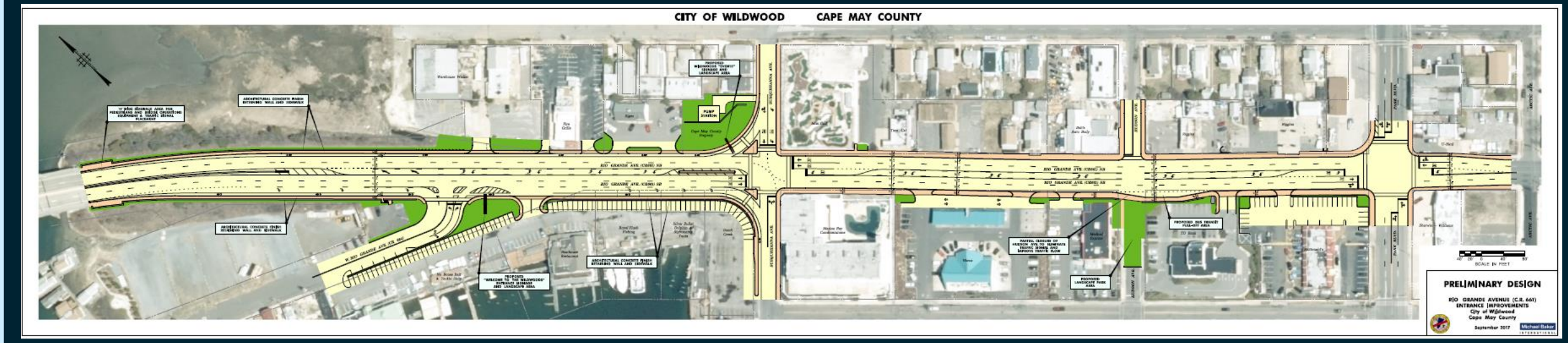
# Geometry Improvements

❖ **Preliminary Design (Susquehanna Avenue to Park Boulevard)**

- One 12’ NB Travel Lane and One 11’ NB Travel Lane
- One 12’ SB Travel Lane and One 11’ SB Travel Lanes
- One 12’ Two-Way Left Turn Lane
- 11’ Sidewalks in Most Locations



# Geometry Improvements




Limits of Proposed Improvements

# Geometry Improvements

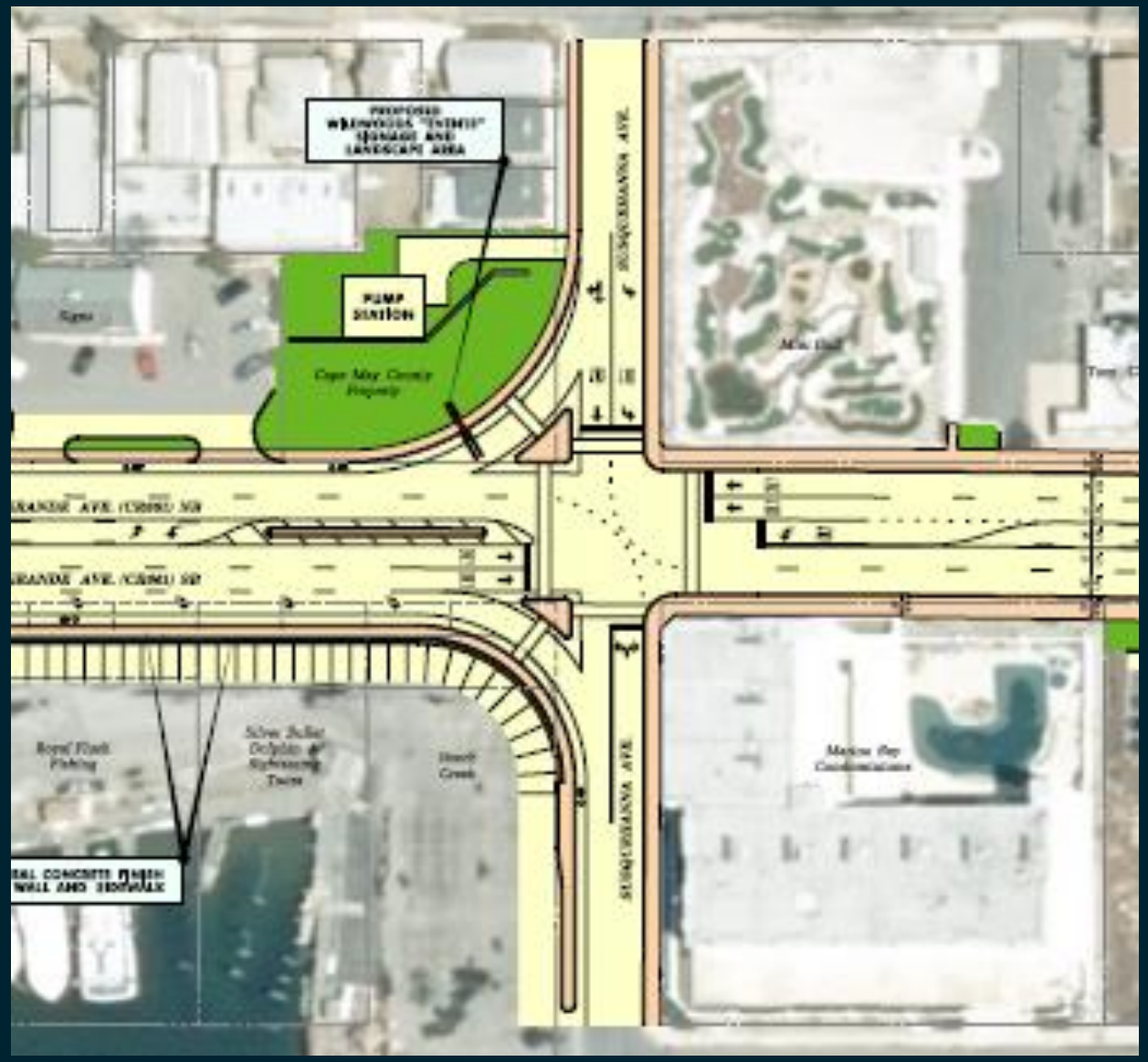
## George Redding Bridge to Susquehanna Avenue Improvements:

- Add Center Left Turn Lane
- Improve W. Rio Grande Ave. Intersection
- Extend Auxiliary Lane
- Add Sidewalk in Both Directions
- Add Bicycle Lanes Up To Susquehanna Ave.
- Improve Driveway Access

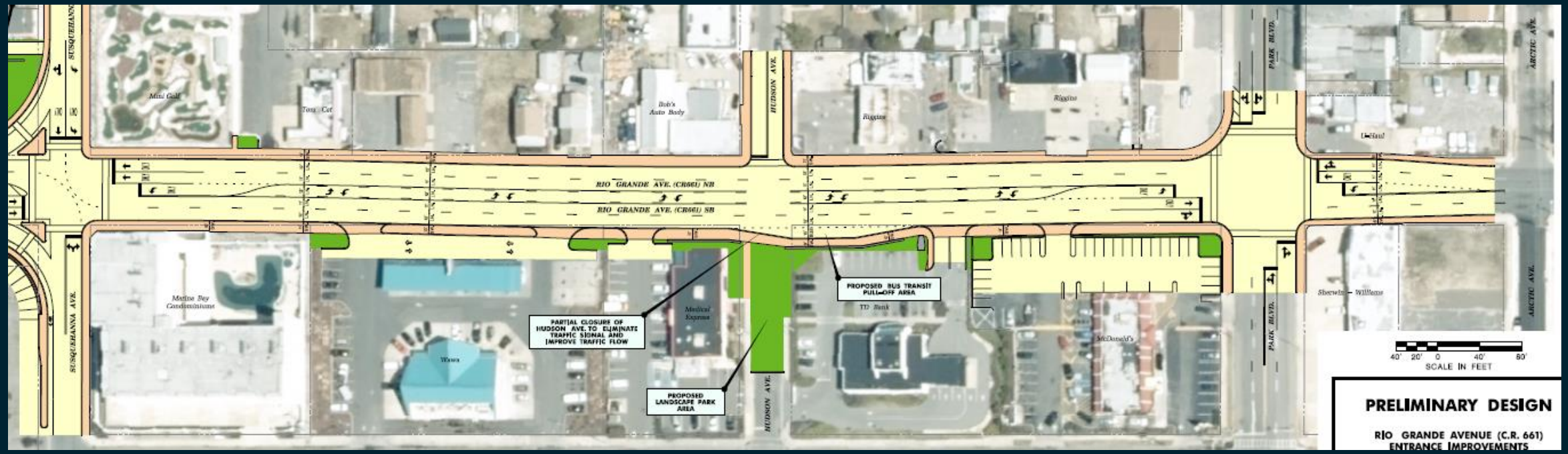
# Geometry Improvements

## Rio Grande Ave. - Susquehanna Avenue Intersection Improvements:

- Improve Traffic Signal Operation
- Improve Pedestrian Accessibility
- Improve Turning Movements



# Geometry Improvements



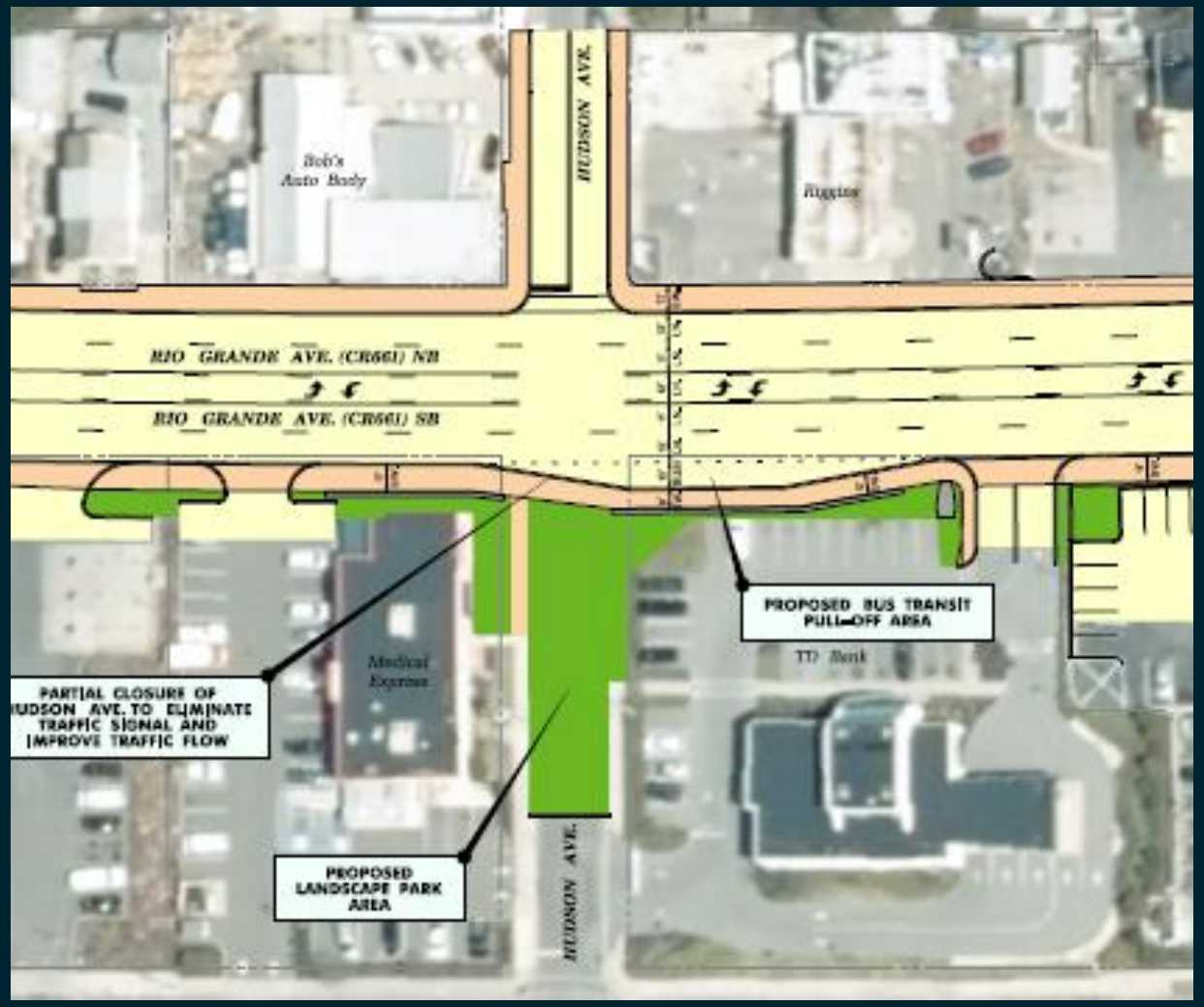

## Susquehanna Avenue – Park Blvd. Improvements:

- Add 12’ Wide Center Left Turn Lane
- Widen Outside Lane to 12’
- Provide 11’ Sidewalks
- Add Dedicated Left Turn Lane at Each Intersection

# Geometry Improvements

## Hudson Ave. Improvements:

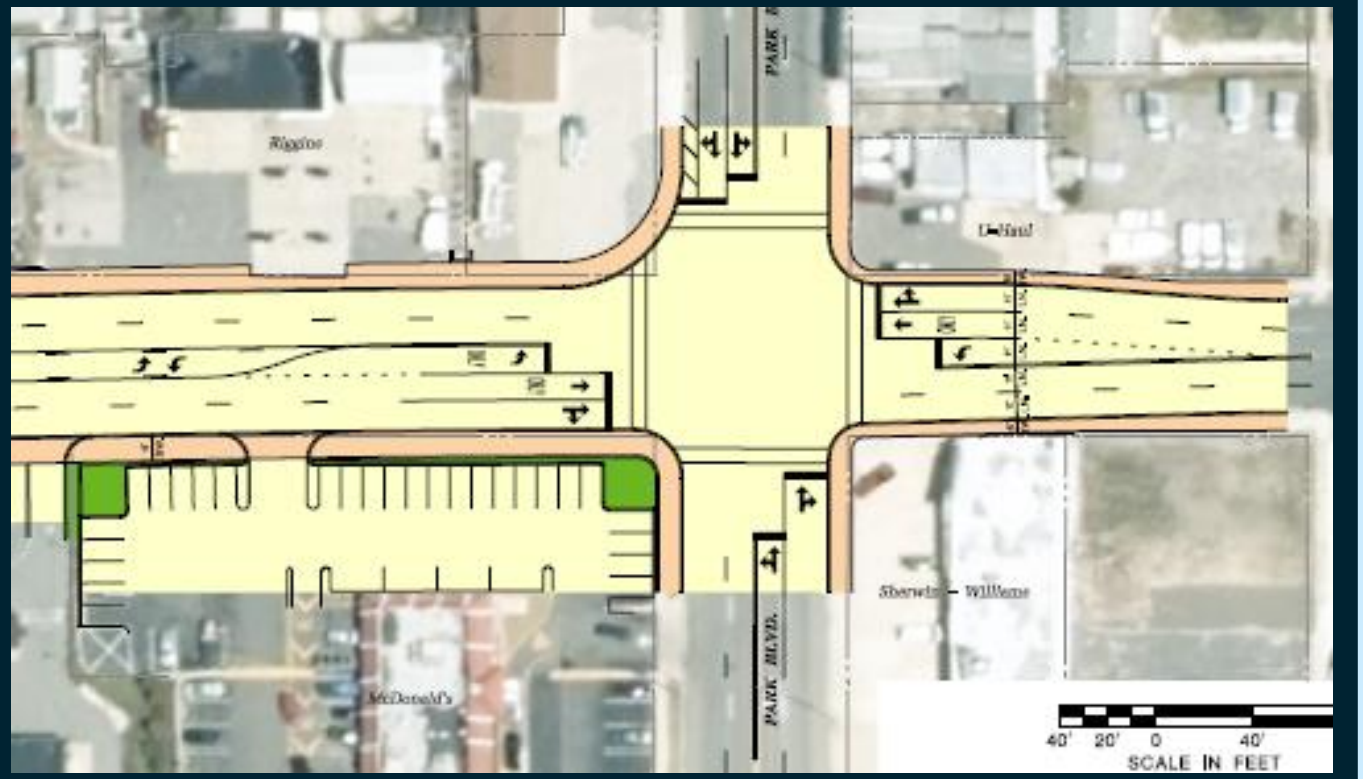
- Eliminate Traffic Signal to Improve Traffic Flow
- Create Bus Stop Pull-off Area
- Create Park Area



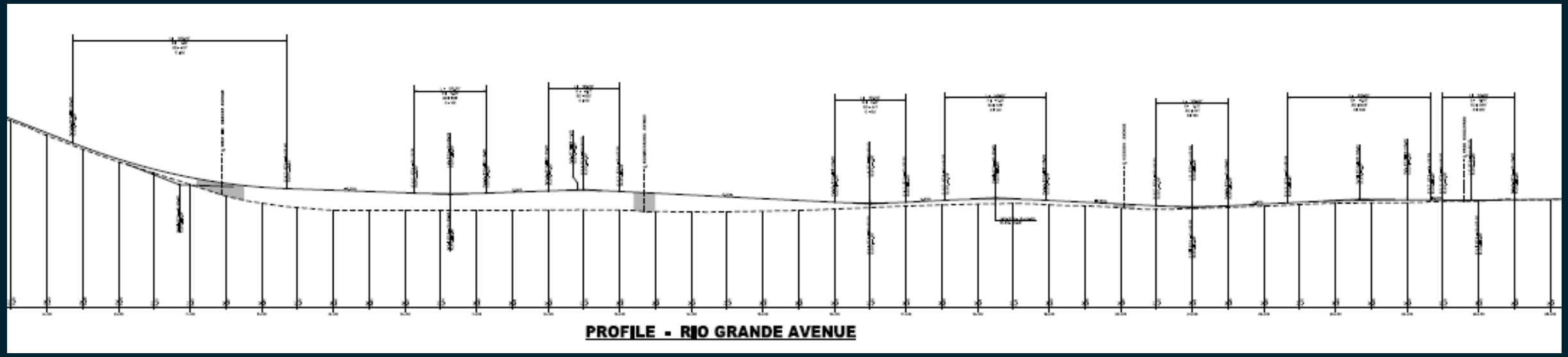
# Geometry Improvements

## Park Blvd. Improvements:

- Improve Traffic Signal Operation
- Add Dedicated Left Turn Lane
- Increase Radii / Improve Turning Movements



# Geometry Improvements




Increasing the Profile of the Roadway by up to 3’

# Drainage Improvements

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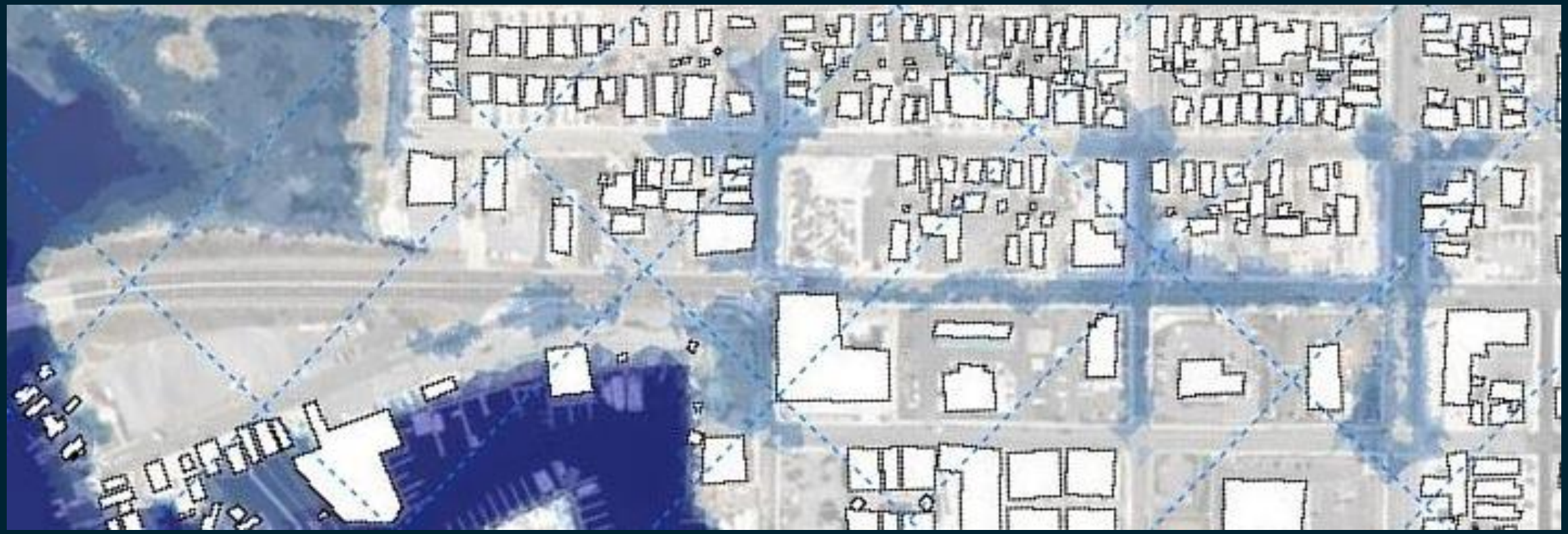
## FLOOD MODELING SCENARIO (2 HOURS AFTER PEAK RAINFALL)

### Existing Conditions



# Drainage Improvements

## FLOOD MODELING SCENARIO (2 HOURS AFTER PEAK RAINFALL)

### Proposed Conditions

# Aesthetic Improvements

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# Project Schedule & Current Status

# Project Schedule

❖ **Project Schedule:**

- Preliminary and Final Design (Includes ROW acquisition) — On-Going – Summer 2018
- Construction — Fall 2018 - 2019

# Questions

## Questions?