

# District 62 Sign Project: Permanent Radar Feedback Signs

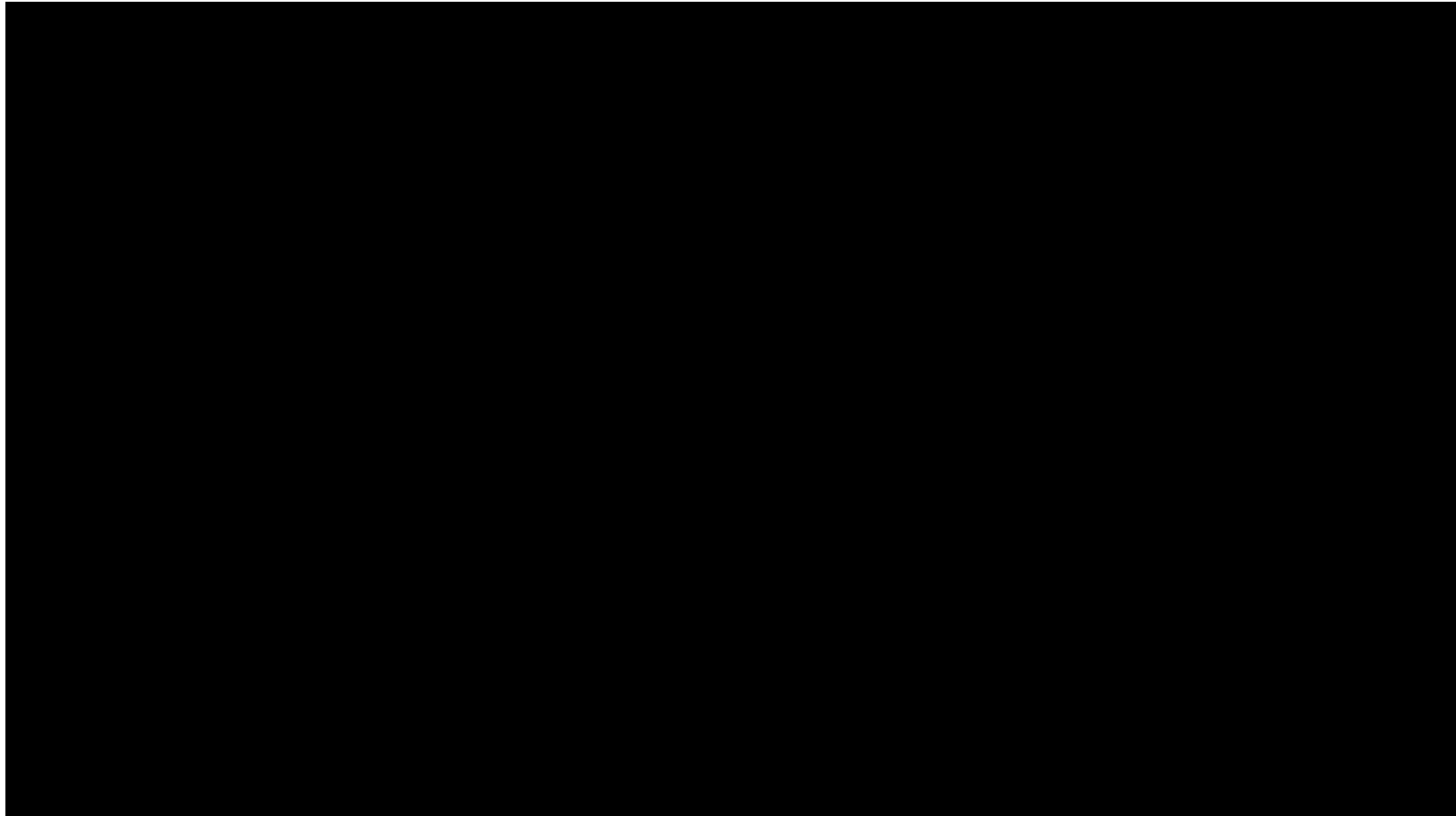
Cristine Gowland, PE

District 62 DTOE

July 26, 2016



# 9 You're Fine, 10 You're Mine?



# Introduction



## What is a radar feedback sign?

- A traffic calming device that helps to slow down speeders by alerting them of their speed.
- The sign installation includes:
  - Standard regulatory speed limit sign
  - Digital radar display sign
    - Displays a motorist's speed in real time
    - Display is programmable



# Types of Radar Feedback Signs

## Permits



## Portable Trailers



## Permanent Signs



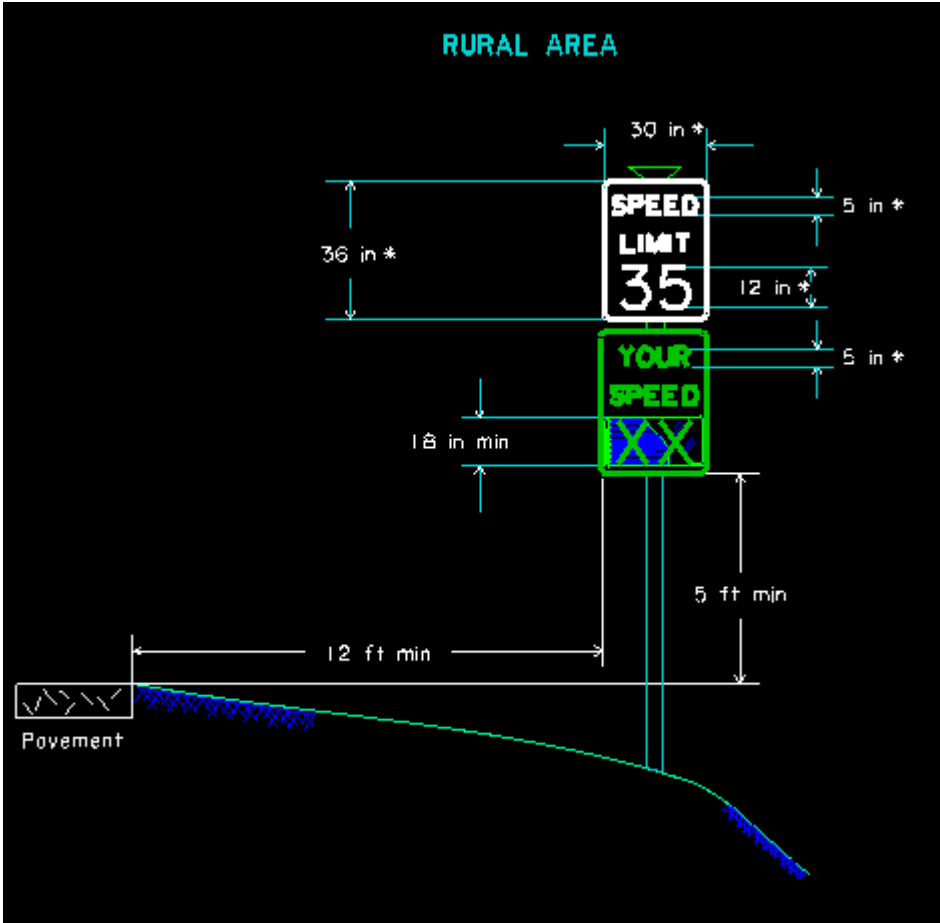
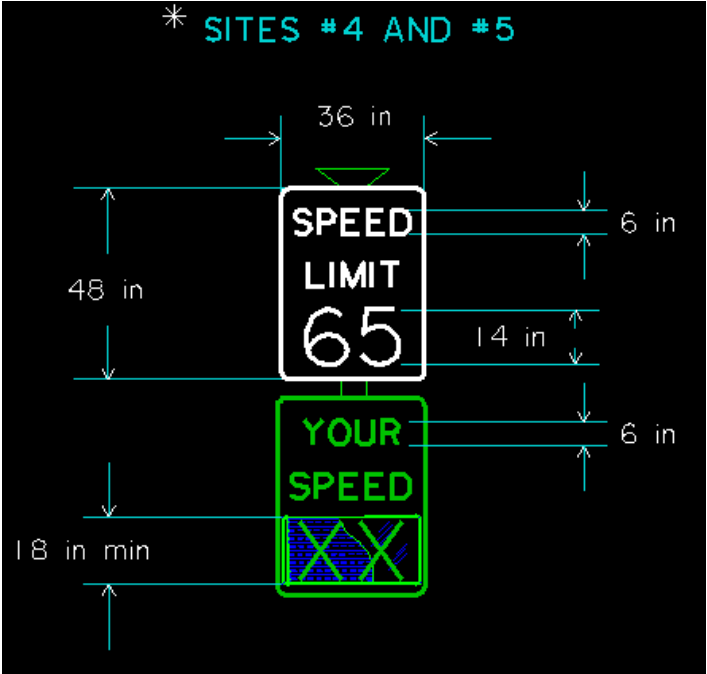
# Radar Feedback Sign Project H.010972



- Installed 13 signs at sites throughout District 62
- Consisted of both solar-powered signs (7) and metered power sources (8)
- Job was accepted on 05/06/2015
- Total Cost: \$156,513.58
- Sites were chosen for a variety of reasons:
  - Approaches to intersections with actual or perceived crash issues
  - Changes in speed entering towns



# Sign Specifications



# Summary of Estimated Quantities



**Proposal ID:** H.010972.6      **State Project Number:** H.010972  
**Federal Project Number:** H010972  
**Proposal Description:** District 62: Radar Speed Sign Installation

Item No.	Description	Supplemental Description	Alternate Set Member	Quantity	Units
<b>Not Assigned to a Section</b>					
736-03-00200	Jacked or Bored Conduit (2" HPDE, Sch 80)			230.000	LNFT
736-06-00100	Signal Service			8.000	EACH
736-10-00100	Underground Junction Box (Type D)			16.000	EACH
736-12-03000	Conductor (4c, #12 awg)			810.000	LNFT
<b>General Items</b>					
202-02-38300	Removal of Sign and U-Channel Post			13.000	EACH
713-01-00100	Temporary Signs and Barricades			1.000	LUMP
727-01-00100	Mobilization			1.000	LUMP
736-01-00100	Trenching and Backfilling			241.000	LNFT
736-11-00300	Conduit (2" HDPE, Schedule 80)			810.000	LNFT
NS-729-00023	Radar Speed Alert Sign Post Mounted (Hardwired)			8.000	EACH
NS-729-00024	Radar Speed Alert Sign Post Mounted (Solar)			7.000	EACH



# Radar Feedback Sign Details



- Signs are programmed to display within 10 mph below or over the posted limit
- Signs display the words “Slow Down” if a driver exceeds 10 mph over the limit





# Hardwire Powered Signs



# Solar Powered Signs



# How Effective Are Permanent Radar Feedback Signs?



## ➤ Videos:

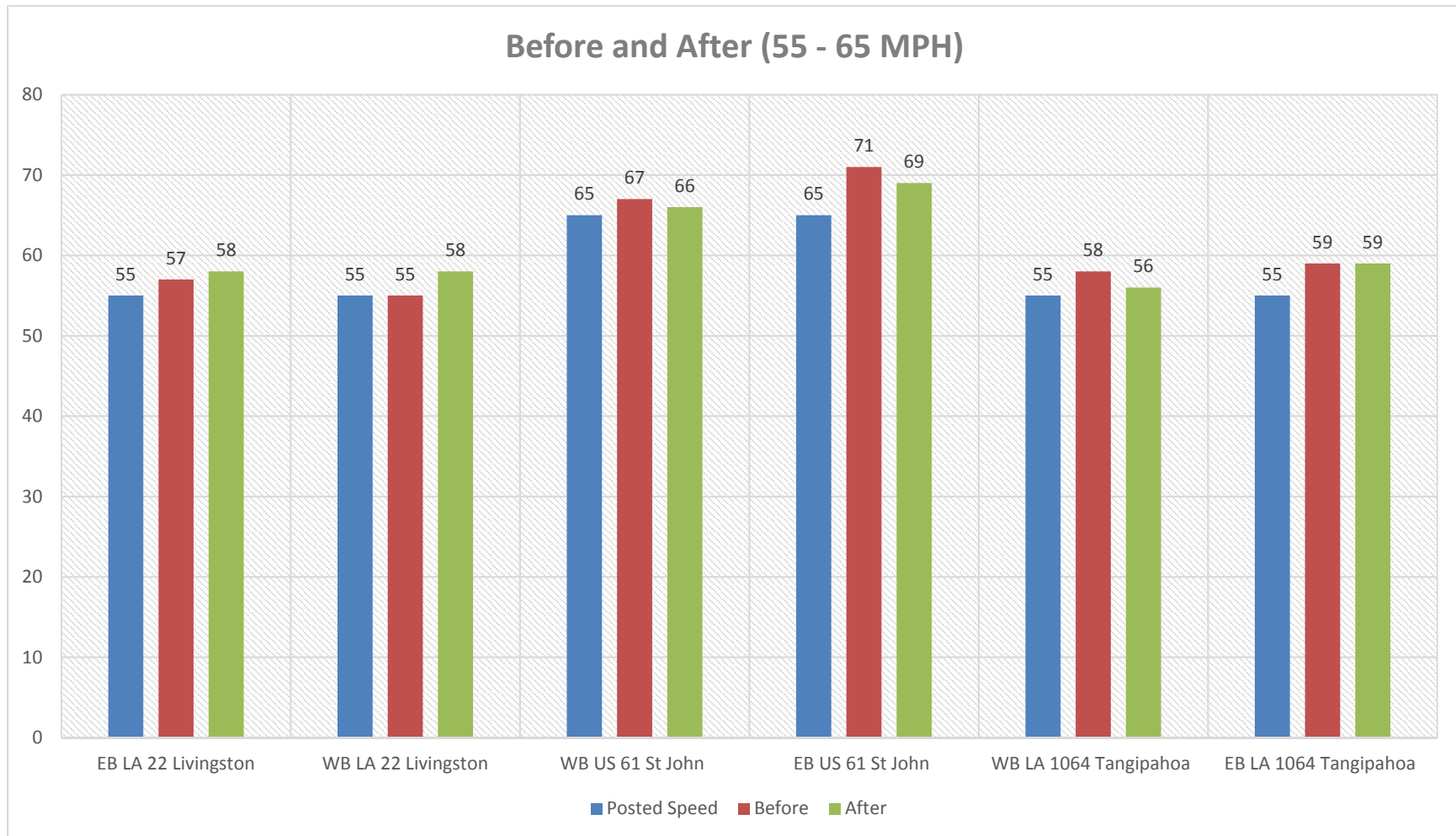
- [25mph Ponchatoula Video](#)
- [45mph Mandeville Video](#)

## ➤ District 62 Conducted Before and After Speed Studies:

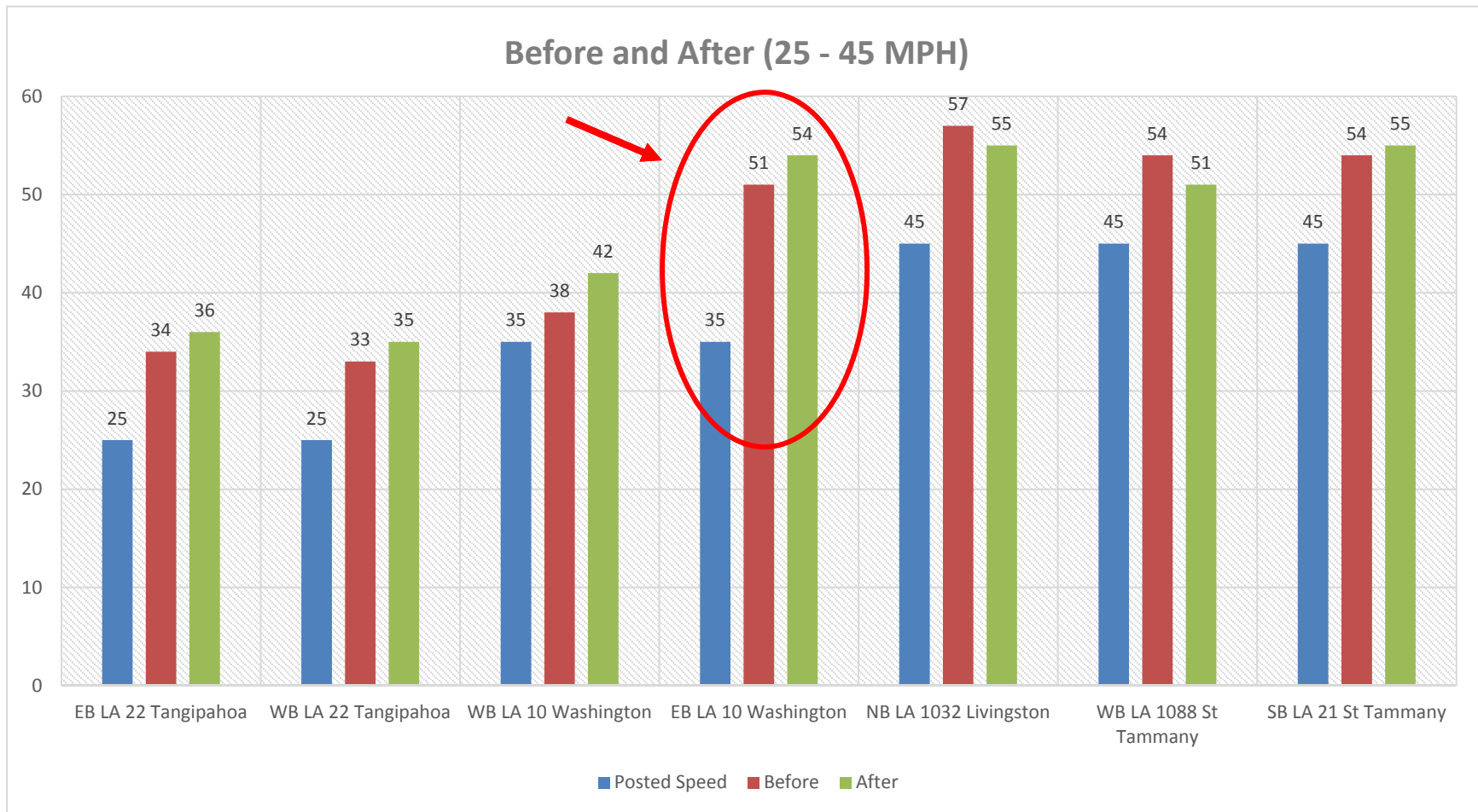
- Before: April-May 2014
- Project Accepted May 2015
- After: March-July 2016



# Speed Studies (Rural)



# Speed Studies (Urban)



# Issues

- The District requires assistance from Section 45 with larger (48") sign size and special mounting types
- The signs are "sitting ducks" for vandals
- Mowers can cause extensive damage
- Sign Parts are expensive to repair/replace
- Utility costs are \$10-20 per month
- District 62's Experience is that permanent signs lose effectiveness over time



# *A Better Option. . .* **Portable Speed Trailers**

- Allows the District to cover more area by moving them around
- If repairs are needed, the boards are hauled back to the yard
- Still susceptible to vandals, but **what isn't??**



# Questions

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