

PROJECT DESIGN PHASE UPDATE

SR 997/Krome Avenue/SW 177 Avenue
From SW 296 Street to SW 136 Street
Miami-Dade County

Homestead Rotary Club
May 27, 2015

Financial
Management
Numbers:

427369-1
427369-2
427369-3

Efficient
Transportation
Decision
Making (ETDM)
No. 7800



PURPOSE OF THE MEETING

- Share information about the proposed improvements
- Provide design phase update
- Receive your input and address your comments and concerns



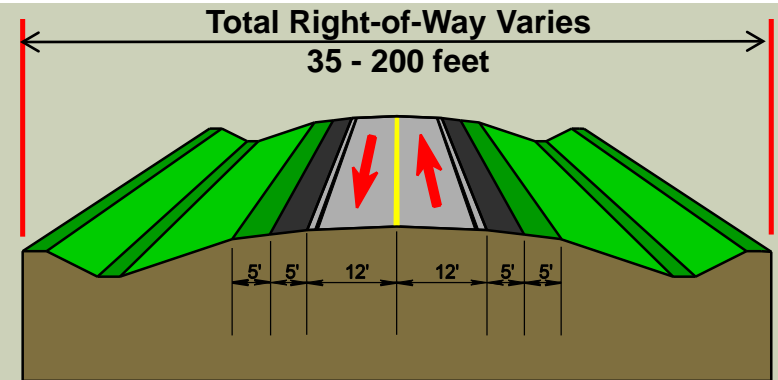
HISTORY OF KROME

- Built in 1962-63; two-lanes from US-1 to US-27
- In mid-1980s FDOT began study of four-lanes; project was put on hold
- MPO proposed a four-lane widening project in Transportation Plan in 1988; adopted it in 1990
- FDOT began a Feasibility Study of four-lanes in 1988
- By 1994, due to controversy, County eliminated the four-lane project from MPO Plan
- FDOT completed a Corridor Action Plan study (looking at two-lane alternatives only) in 1999

HISTORY OF KROME

- In 2002 FDOT completed two more safety studies
- In 2002 County passed Resolutions, and State approved them, to allow a study of four-lanes
- In 2003 FDOT began to study four-lanes
- Various intersection interim improvements were constructed by 2007
- North 23-mile four-lane study completed in 2006
- South 10-mile four-lane study completed in 2015
- In 2014, MPO passed Resolution #19-14 to expedite Krome Avenue improvement projects

PROJECT LOCATION & EXISTING TYPICAL SECTION

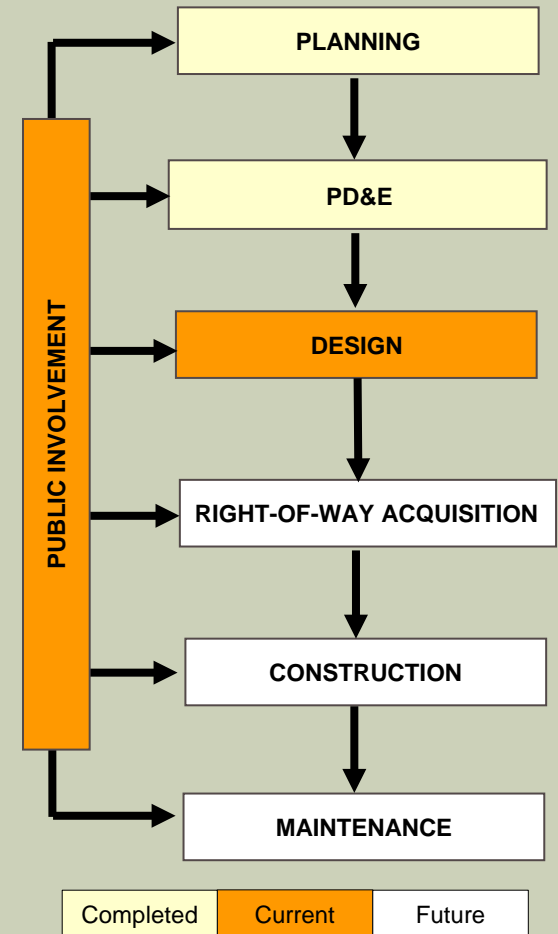


- 2-Lane Undivided Roadway
- Rural principal arterial roadway
- Land uses vary
 - Mainly agricultural
 - Commercial
 - Residential
 - Protected land

PROJECT SEQUENCE

SW 296 Street to SW 136 Street

- Project Development and Environment (PD&E) South study completed in 01/2015
- Design Phase began in 06/2014
- Right-of-Way Acquisition Phase will begin in 01/2016
- Construction Phase programmed for 09/2018 - 07/2021
- Public Involvement Program - ongoing throughout the entire project process



PURPOSE OF THE PROJECT

- Safety - Corridor consistently appears on FDOT Safety Office's "High Crash Segment" lists
- Address design deficiencies
- Strategic Intermodal System (SIS)
- Improve regional connectivity
- Krome Avenue is the westernmost north-south artery in Miami-Dade County
- Important route for hurricane evacuation and post-disaster recovery
- Continuity to projects to the north and south
- Accommodate travel demand/mobility

NEED FOR IMPROVEMENT

- Roadway Safety
- Roadway Capacity
- Traffic Congestion and Delays
- Traffic Operations
- Intersection Geometry
- High Truck Traffic Volumes
- Water Quality Drainage Features
- Access Management
- Incident Response Time
- Multimodal Facilities



CRASH DATA SUMMARY

Segment included in FDOT Safety Office's
"High Crash Segment" List from 1999 to 2013

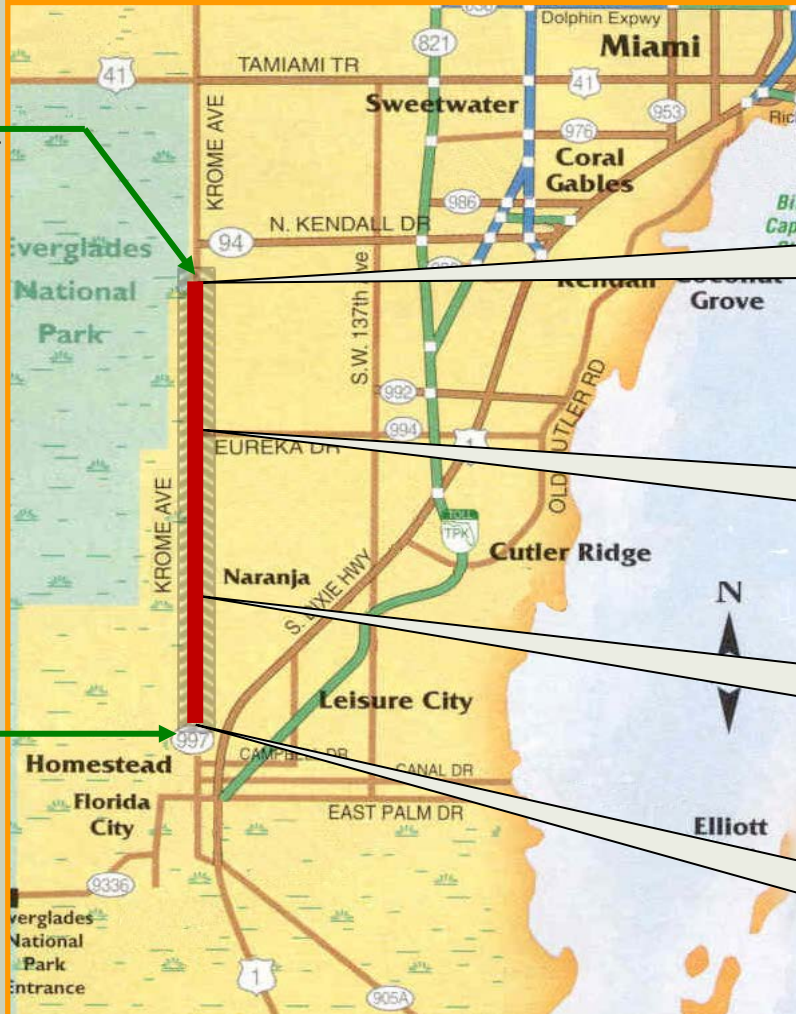
SR 997/Krome Avenue from SW 296 Street to SW 136 Street					
Year	Number of Crashes	Number of Injury Crashes	Number of Injuries	Number of Fatal Crashes	Number of Fatalities
1999	97	63	120	2	2
2000	94	64	120	3	3
2001	116	74	157	3	4
2002	91	60	106	2	2
2003	106	61	134	2	3
2004	121	67	125	0	0
2005	128	66	112	2	2
2006	128	69	109	1	1
2007	132	66	111	1	1
2008	141	86	169	3	3
2009	136	76	127	3	4
2010	134	69	120	1	1
2011	149	77	146	2	2
2012	174	83	155	0	0
2013	142	74	133	2	2
Total	1889	1055	1944	27	30
Average/Year	126	70	130	1.8	2.0

Source: FDOT Crash Analysis Reporting System (CARS)

TRAFFIC VOLUMES

END
PROJECT

BEGIN
PROJECT



Corridor Traffic Volumes
Year 2004
Year (2040)

17,300
(31,400)

SW 136 Street

14,800
(27,900)

SW 184 Street

15,700
(20,800)

SW 232 Street

13,900
(21,600)

SW 296 Street

PROJECT BENEFITS

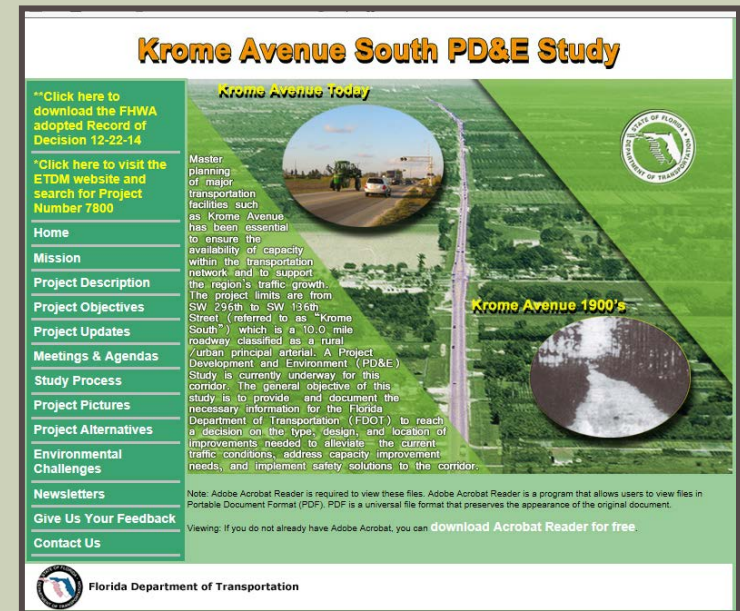
- Safety
- Design Standards
- Pedestrian
- Bicycle
- Traffic Operations
- Lighting
- Access Management
- Hurricane Evacuation
- Mobility
- Intersection Upgrades
- Capacity
- Drainage
- Water Quality
- Planning Consistency



PUBLIC INVOLVEMENT

Krome South PD&E Phase

- Agencies Kick-Off Meeting
 - July 21, 2004
- Over 74 Stakeholder Meetings (2003-2014)
- Citizens Advisory Committee (CAC)
 - 12 Meetings (2006-2012)
- Alternatives Public Workshop
 - May 31, 2006
- Agencies Update Meeting
 - September 12, 2012
- Project Newsletters
 - 2 Editions (2005 and 2013)
- Public Hearing
 - December 11, 2013
- Project Website:
www.kromesouth.com

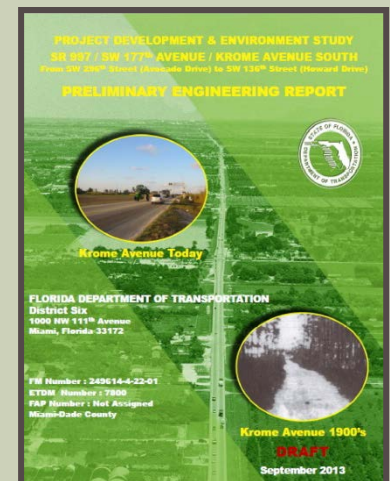


CITIZENS ADVISORY COMMITTEE

- Represented a range of community views
 - Developed consistent with federal regulation
 - Met 12 times between 2006 and 2012
-
- #1: Organizational
 - #2: Methodology and Data Review
 - #3: Safety Analysis
 - #4: Population and Traffic Demand Projections
 - #5: Review Safety & Population Projection Information
 - #6: Law Enforcement Policy & Operational Analysis
 - #7: Alternatives Cross-Sections
 - #8: Review Revised Alternatives Cross-Sections
 - #9: Proposed Alignment/Alternatives Evaluation Matrix
 - #10: Evaluation Matrix & Supplemental Considerations
 - #11: Safety Data, FHWS Criteria, & Alternatives Analysis
 - #12: Project Update and Introduction of Alternative 5

KROME SOUTH PD&E STUDY

- Successfully completed federal environmental process in 01/2015
- Prepared a combined Final Environmental Impact Statement / Record of Decision (FEIS/ROD)
 - Highest level of analysis, public involvement, and review
 - Combined document expedited delivery of safety project
- Federal-selected alternative is:
 - Four-lane divided facility
 - Suburban typical within the UDB from SW 296 Street to SW 272 Street
 - Rural typical outside the UDB from SW 272 Street to SW 136 Street



PROJECT COMMITMENTS

Krome South PD&E Study

- Project has total of 22 commitments:
 - 4 Engineering
 - 2 Community Service
 - 3 Wildlife
 - 8 Owaissa Bauer Pineland Preserve
 - 4 Audubon Society
 - 1 Noise
- Including:
 - Coordination with the SFWMD on their canal access and structures
 - Continuing to review median design for agricultural truck turning
 - Continued community coordination
 - Coordinating with County Public Schools

PAST CORRIDOR SAFETY IMPROVEMENTS

Safety Enhancements:

- Intersection and signal modification
- Shoulder widening
- Resurfacing
- Pavement markings
- Signs
- Intersection lighting
- Drainage improvements

Resurfacing:

SW 296 St to SW 288 St

Intersection Improvements:

- | | |
|-------------|-------------|
| ▪ SW 296 St | ▪ SW 200 St |
| ▪ SW 288 St | ▪ SW 192 St |
| ▪ SW 272 St | ▪ SW 184 St |
| ▪ SW 256 St | ▪ SW 168 St |
| ▪ SW 216 St | ▪ SW 136 St |



CURRENT CORRIDOR SAFETY IMPROVEMENTS

- 01/2015 – Just completed sign improvements
- Present active construction:
 - Kendall Drive to Tamiami Trail – four-laning
 - Various locations – plastic pole installation and audible pavement markings
- Tamiami Trail to Okeechobee Road – four-laning construction begins 05/2015
- SW 288 Street to SW 136 Street – resurfacing construction begins 06/2015
- SW 136 Street to Kendall Drive – four-laning construction begins 08/2016

FUTURE CORRIDOR SAFETY IMPROVEMENTS

- SW 296 St to SW 136 St – four-laning
 - Section 3 – construction begins 09/2018
 - Section 2 – construction begins 10/2018
 - Section 1 – construction begins 08/2019
- Krome Truck By-Pass PD&E Study anticipated to be completed by 08/2015
- Scheduled area improvements (FY 2019-2020)
 - Campbell Drive and Krome Avenue – median
 - Davis Parkway and Krome Avenue – turn lanes
 - Palm Drive and Krome Avenue – turn lanes
 - Avocado Drive and Krome Avenue – median

DESIGN PROJECT SEGMENTS

- Segment 1
(SW 296 St to SW 232 St)
- Segment 2
(SW 232 St to SW 184 St)
- Segment 3
(SW 184 St to SW 136 St)



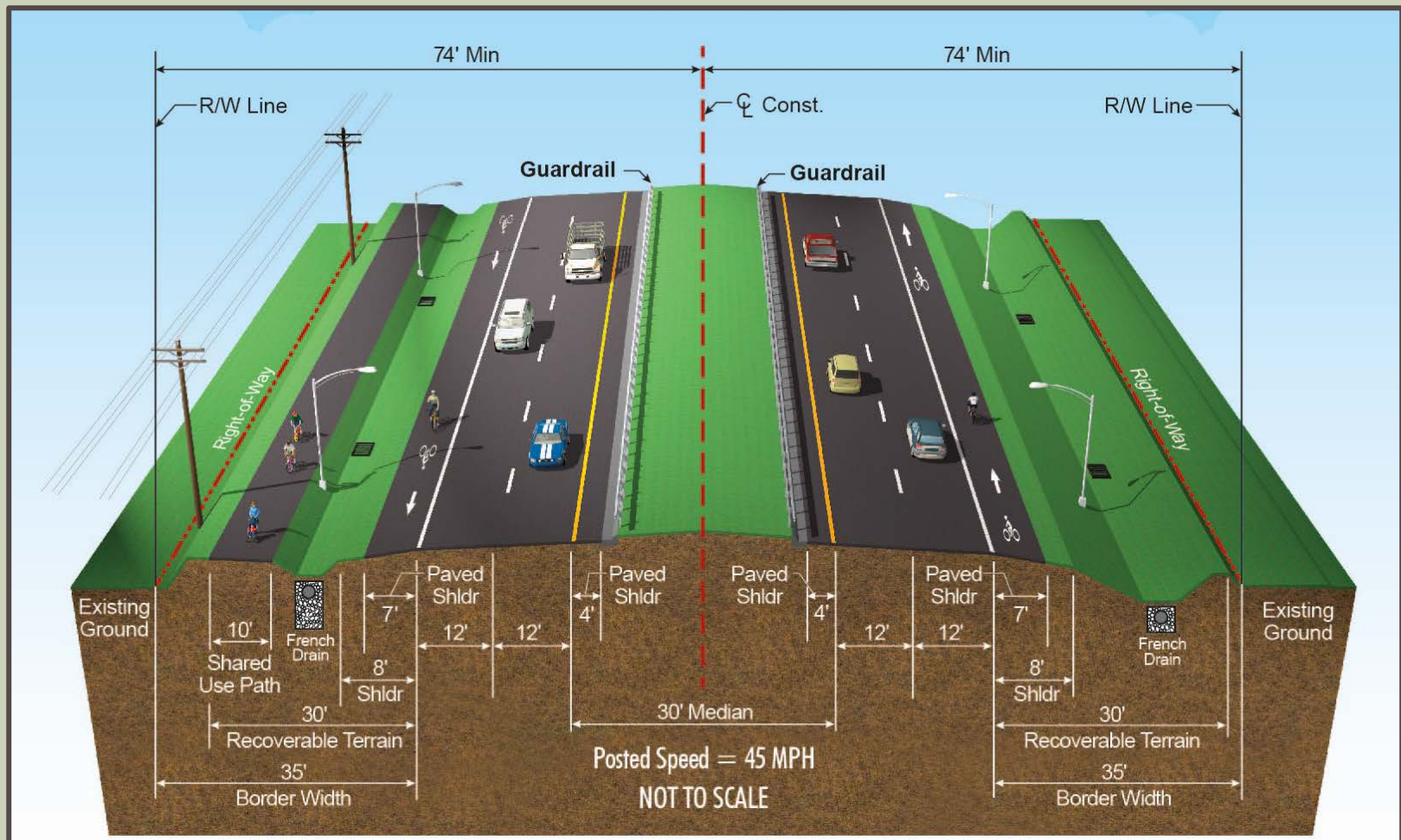
SUBURBAN SECTION

SW 296 Street to SW 272 Street

- (2) 12-ft travel lanes each way
- 30-ft raised grass median
- 7-ft paved shoulders with bicycle markings
- 10-ft wide 2-way shared use path
- Roadside swales
- 45 mile per hour Posted Speed
- 30-ft Clear Zone
- 35-ft Border Width
- Replace C-103 Canal bridge
- 148-ft typical section width
- Guardrail in median
- Lighting with shielding along corridor

SUBURBAN TYPICAL SECTION

SW 296 Street to SW 272 Street



4-Lane Divided Suburban

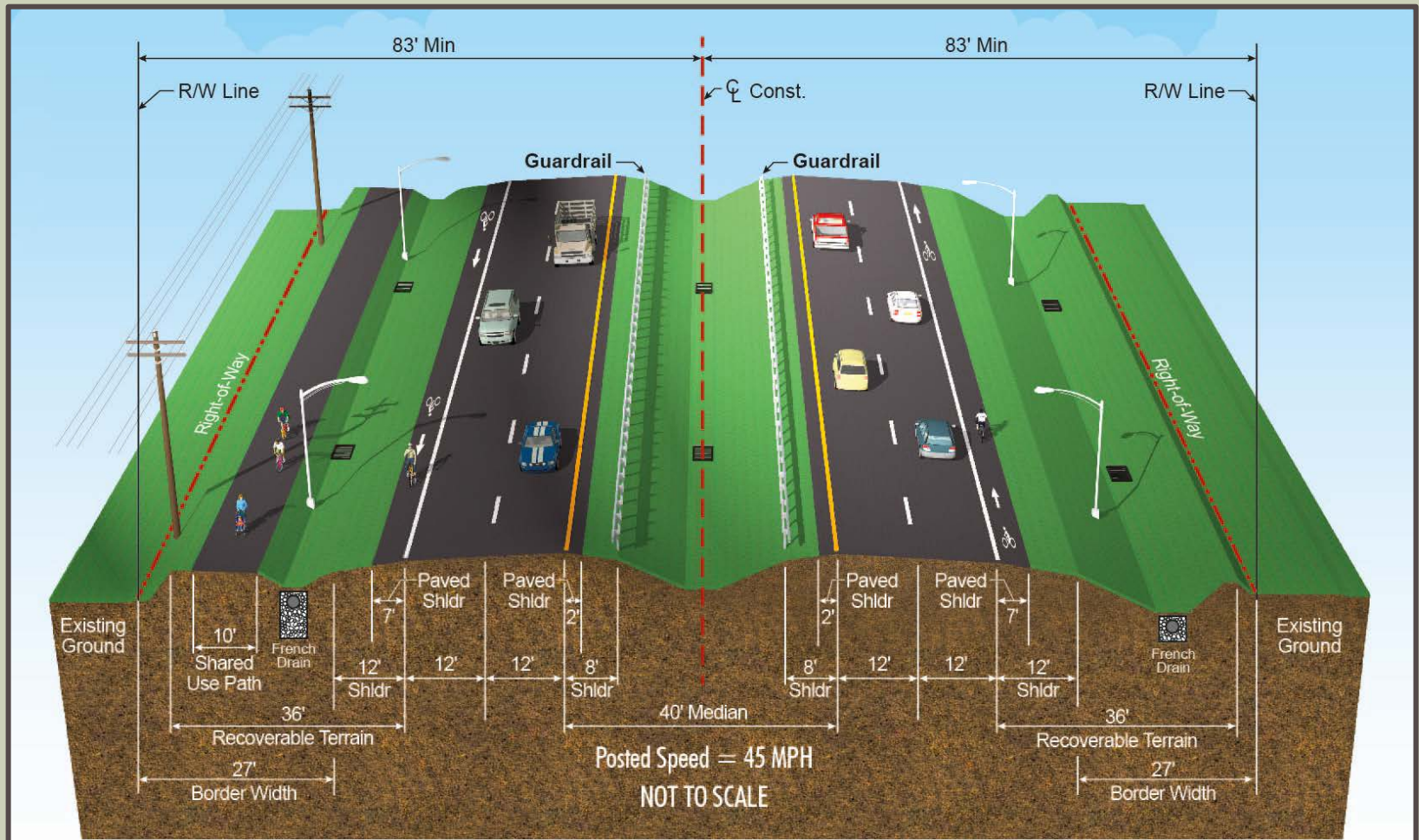
RURAL SECTION

SW 272 Street to SW 136 Street

- (2) 12-ft travel lanes each way
- 40-ft depressed grass median
- 7-ft paved shoulders with bicycle markings
- 10-ft wide 2-way shared use path
- Roadside swales
- 45 mile per hour Posted Speed
- 36-ft Clear Zone
- 27-ft Border Width
- Replace C-102 Canal culvert with a bridge
- 166-ft typical section width
- Guardrail in median
- Lighting with shielding along corridor

RURAL TYPICAL SECTION

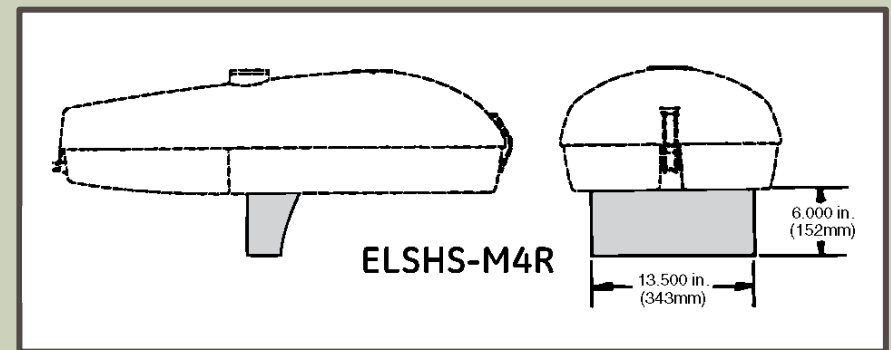
SW 272 Street to SW 136 Street



4-Lane Divided Rural

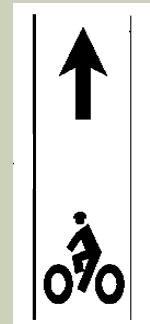
SAFETY PROJECT DESIGN ELEMENTS/BENEFITS

- 4 lane typical section
 - Safer passing maneuvers
 - Accommodates traffic volumes
 - Slow moving vehicles/tractors use the outside lane
- Lighting with shielding throughout corridor



SAFETY PROJECT DESIGN ELEMENTS/BENEFITS

- Approximately 28 acres of impact to federally-defined farmlands along the 10-mile corridor
- Pedestrian and bicycle facilities
 - 10-foot shared use path
 - Bicycle lane on paved shoulders
 - For residents and school children
 - Connections to trail network (existing and future)

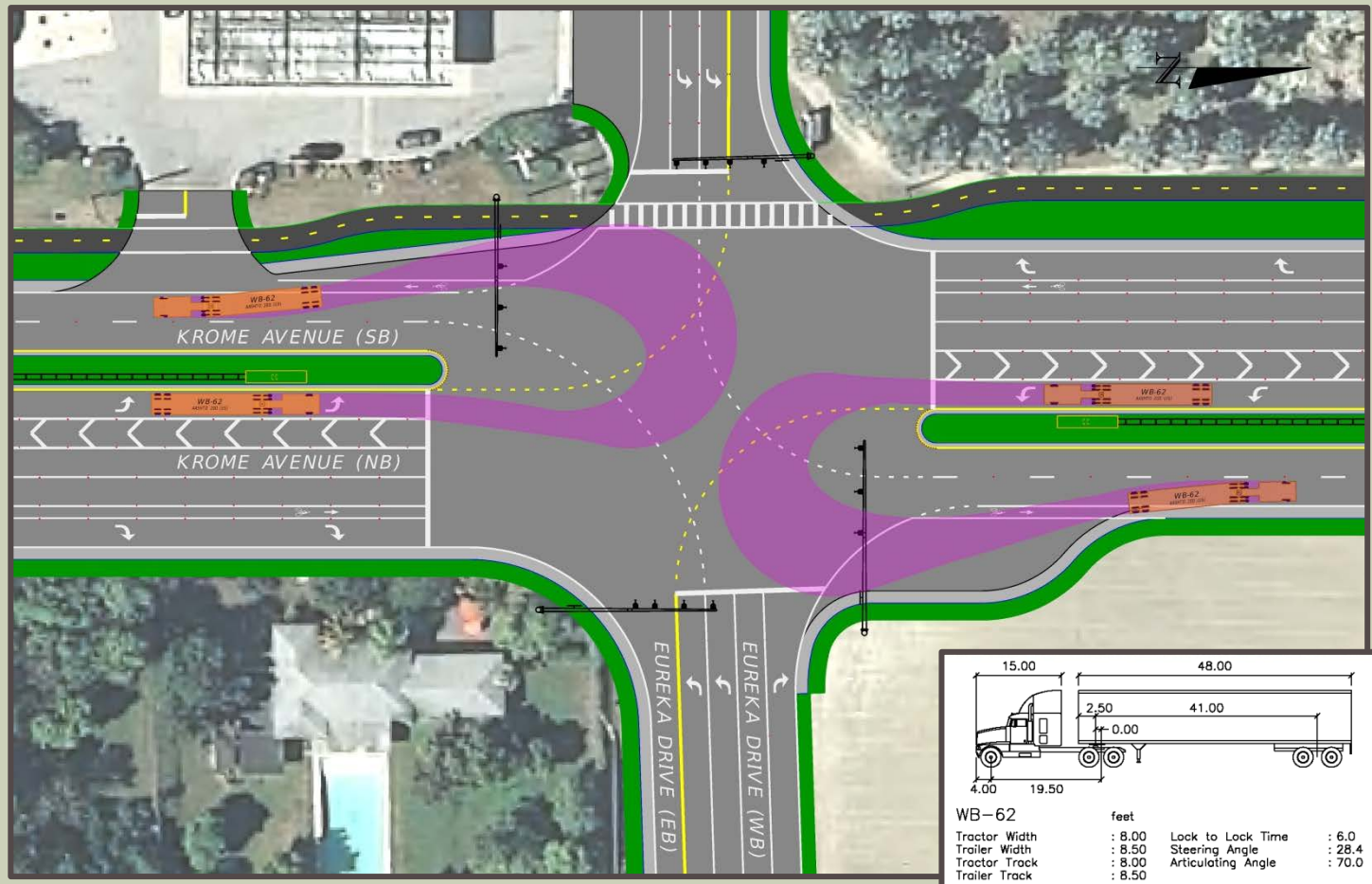


SAFETY PROJECT DESIGN ELEMENTS/BENEFITS

- Signalized intersections
 - New signal will be installed at SW 272 Street
 - Reviewing possible new signal at SW 280 Street
- Guardrail in the medians
 - Median openings allow for U-turns
 - Extra shoulder pavement for U-turns

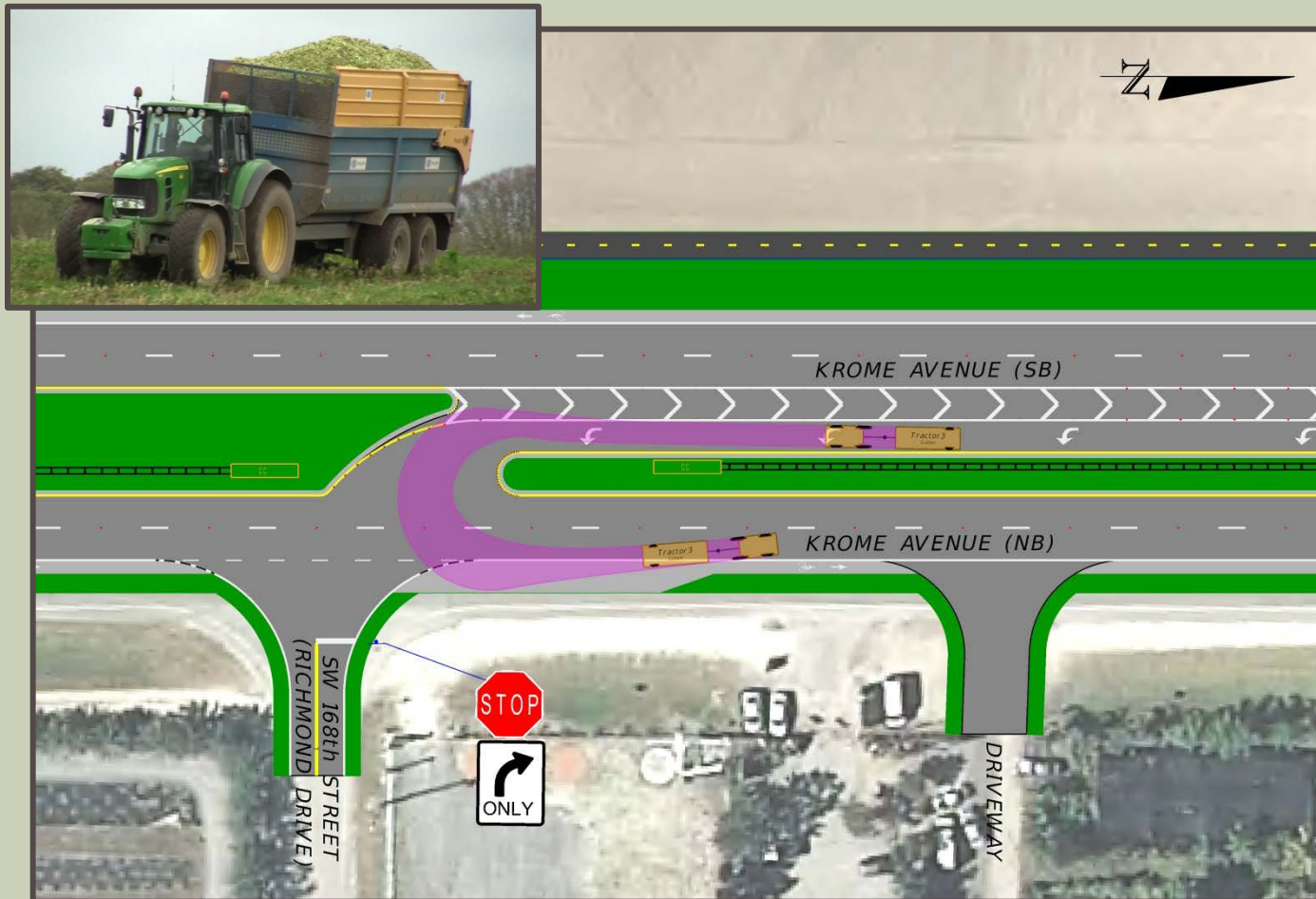
SAFETY PROJECT DESIGN ELEMENTS/BENEFITS

- 9 truck U-turn pads at signalized intersections



SAFETY PROJECT DESIGN ELEMENTS/BENEFITS

- 14 truck U-turn pads at mid-block intersections



PROJECT SCHEDULE & COST

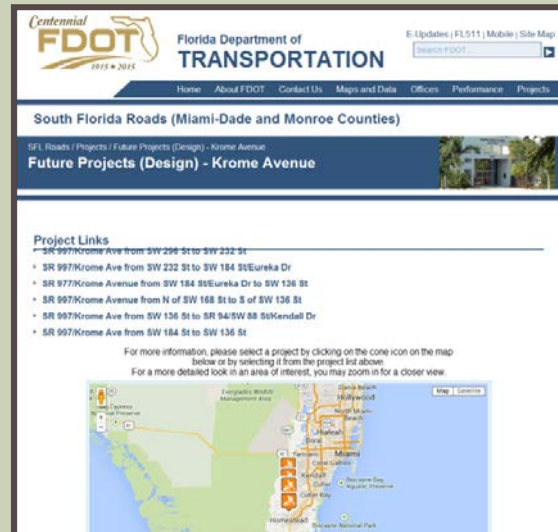
SR 997/Krome Avenue from SW 296 Street to SW 136 Street

Project Segment	Design Timeline	Approx. Construction Timeline	Est. Construction Cost (Millions)	Est. Right-of-Way Cost (Millions)
Segment 1 SW 296 St - SW 232 St	01/2015 – 01/2017	08/2019 – 09/2021 (26 months)	\$34.0	\$48.5
Segment 2 SW 232 St - SW 184 St	12/2014 – 08/2016	10/2018 – 10/2020 (24 months)	\$24.2	\$28.8
Segment 3 SW 184 St - SW 136 St	06/2014 - 05/2016	09/2018 - 09/2020 (24 months)	\$22.0	\$11.1
Total			\$80.2	\$88.4

PUBLIC INVOLVEMENT

Design Phase

- Design Phase Community Meetings
 - Began in 2015
 - Continuous throughout process
 - Construction phase begins in 2018
- Project Website:
www.fdotmiamidade.com/design-projects/krome-avenue.html



COMMENTS

Send Design Phase Comments To:

Alicia Gonzalez
Public Information Officer
Media Relations Group, LLC
18001 Old Cutler Road, Suite 459
Palmetto Bay, FL 33157
Tel: 786-280-6645
agonzalez@mrgmiami.com

THANK YOU

