ENVIRONMENTAL ASSESSMENT
VOLUME 3

NUECES, KLEBERG, KENEDY, WILLACY, AND CAMERON COUNTIES

CSJ: 1111-07-004

Prepared by:

US Department of Transportation
Federal Highway Administration
Texas Division
And
Texas Department of Transportation
Corpus Christi and Pharr Districts

June 2012

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Volume 3 - Appendix A

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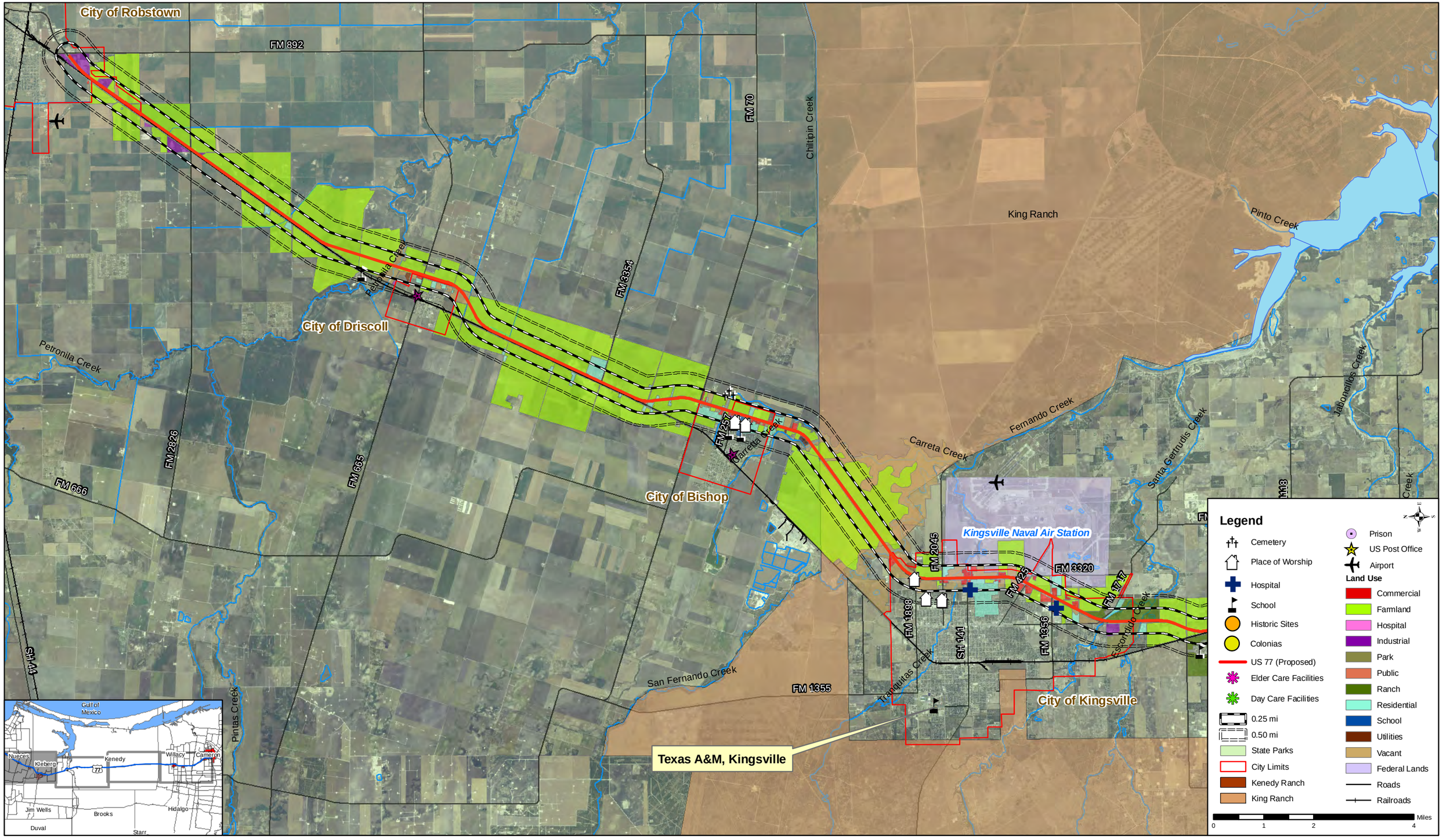
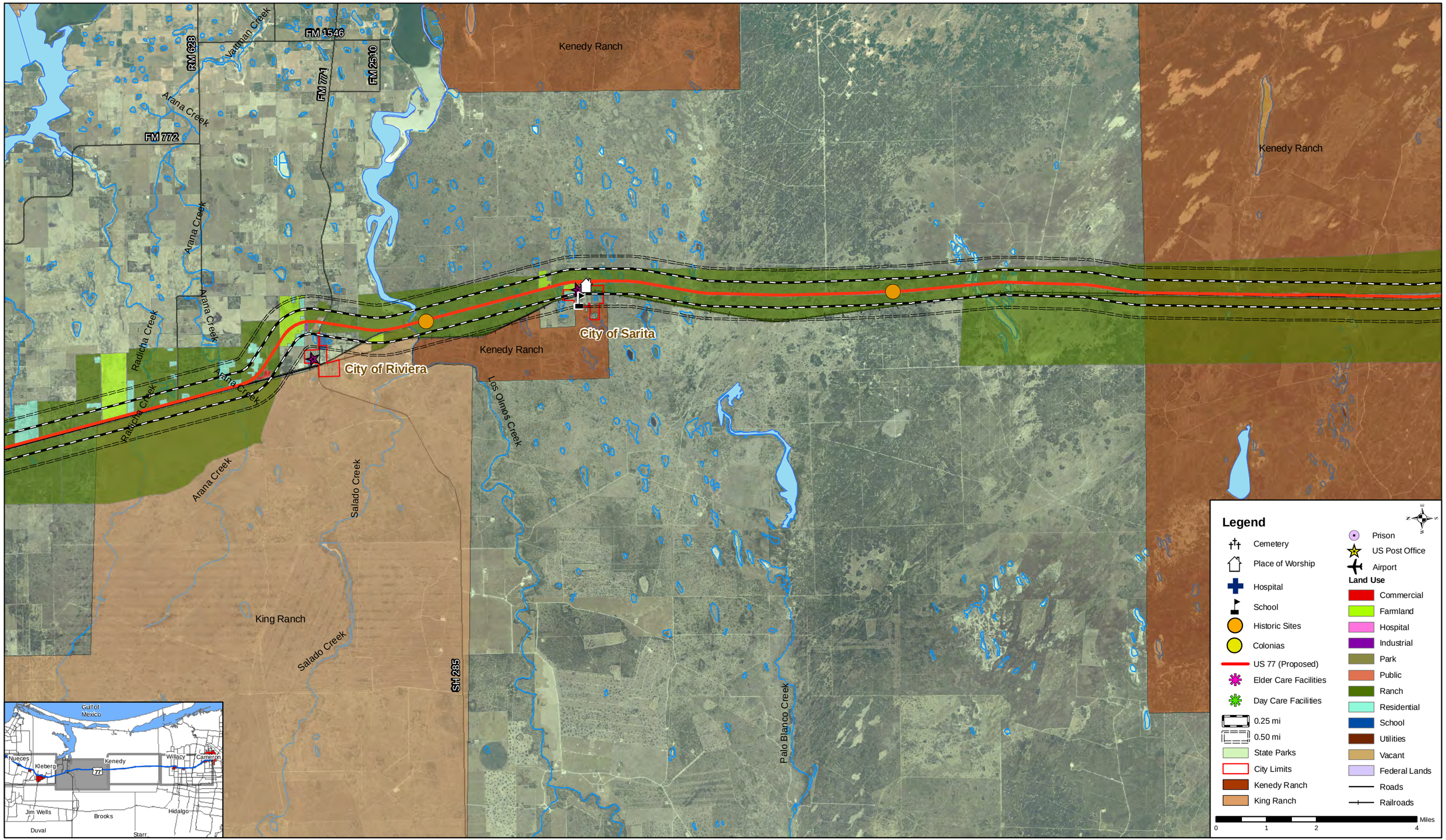


US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.2-1
Community Cohesion

Figure A.4.2-2 Community Cohesion



Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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Figure A.4.2-2
Community Cohesion

Figure A.4.2-3 Community Cohesion

UPGRADE US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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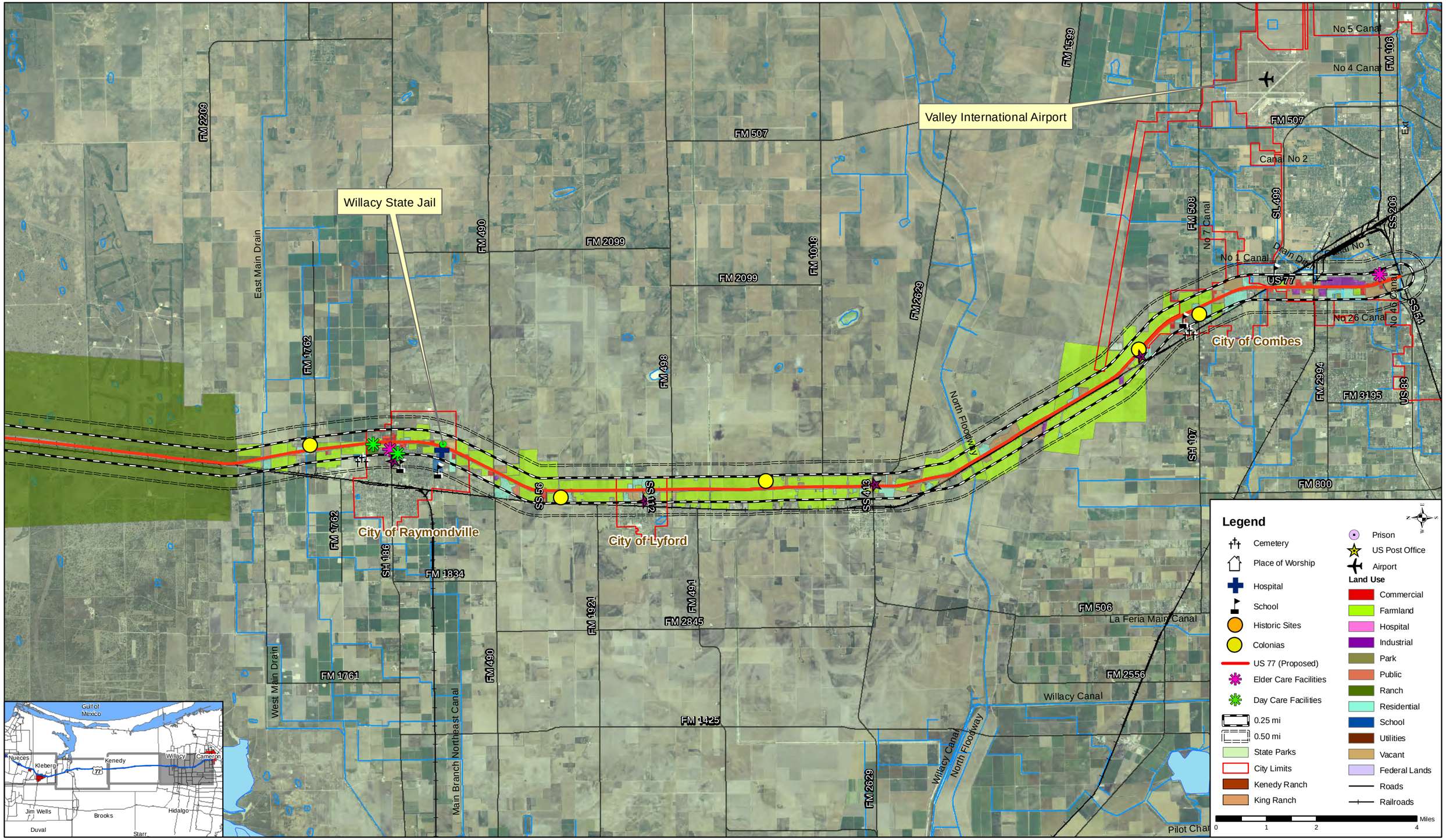
Figure A.4.2-3
Community Cohesion

Figure A.4.2-4 Community Cohesion



Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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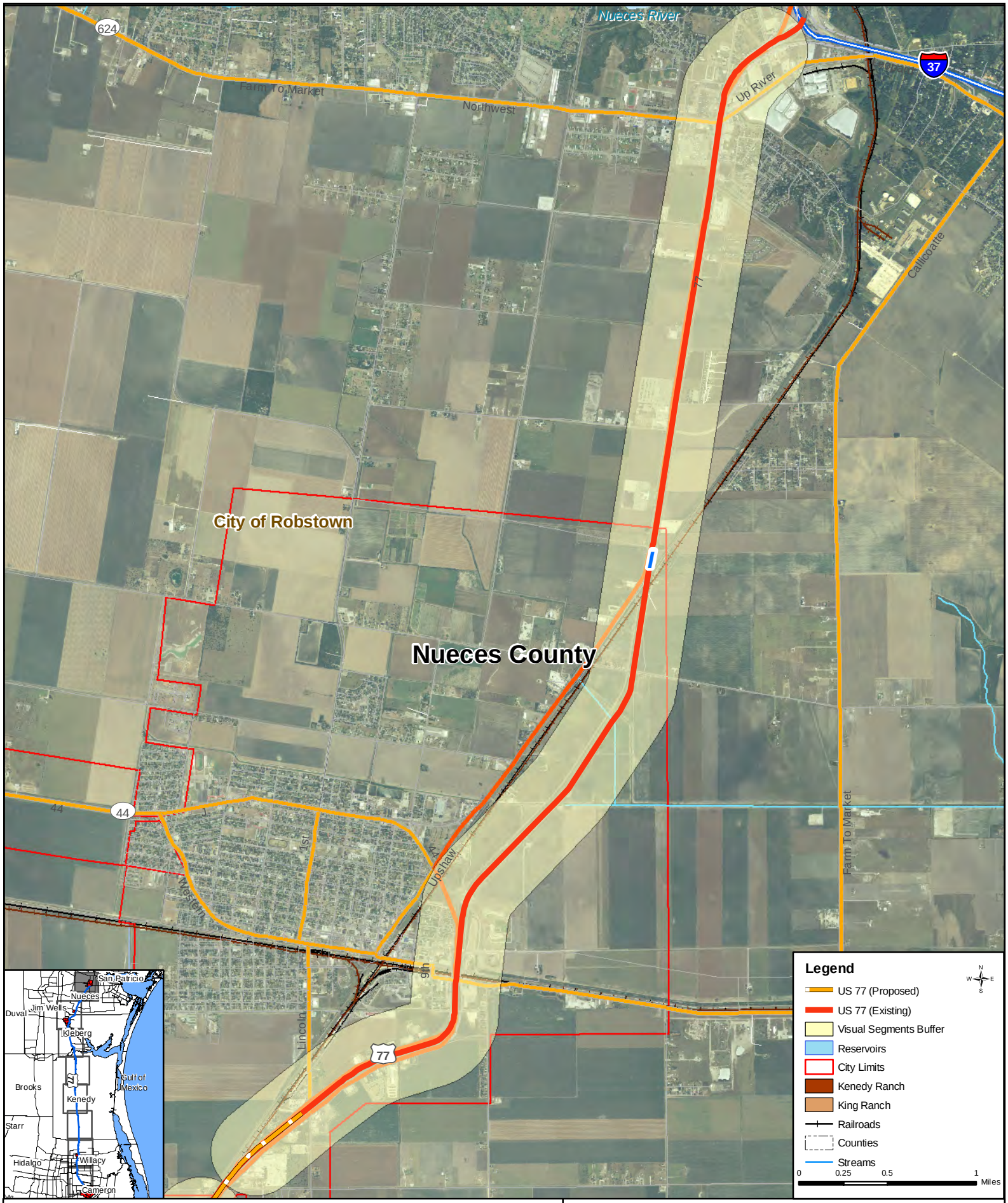
Figure A.4.2-4
Community Cohesion

Figure A.4.2-5 Aesthetics and Visual Quality



US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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Aesthetics and Visual Quality
Figure A.4.2-5

Segment I: I-37 to CR 36 in Nueces County

Figure A.4.2-6 Aesthetics and Visual Quality

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Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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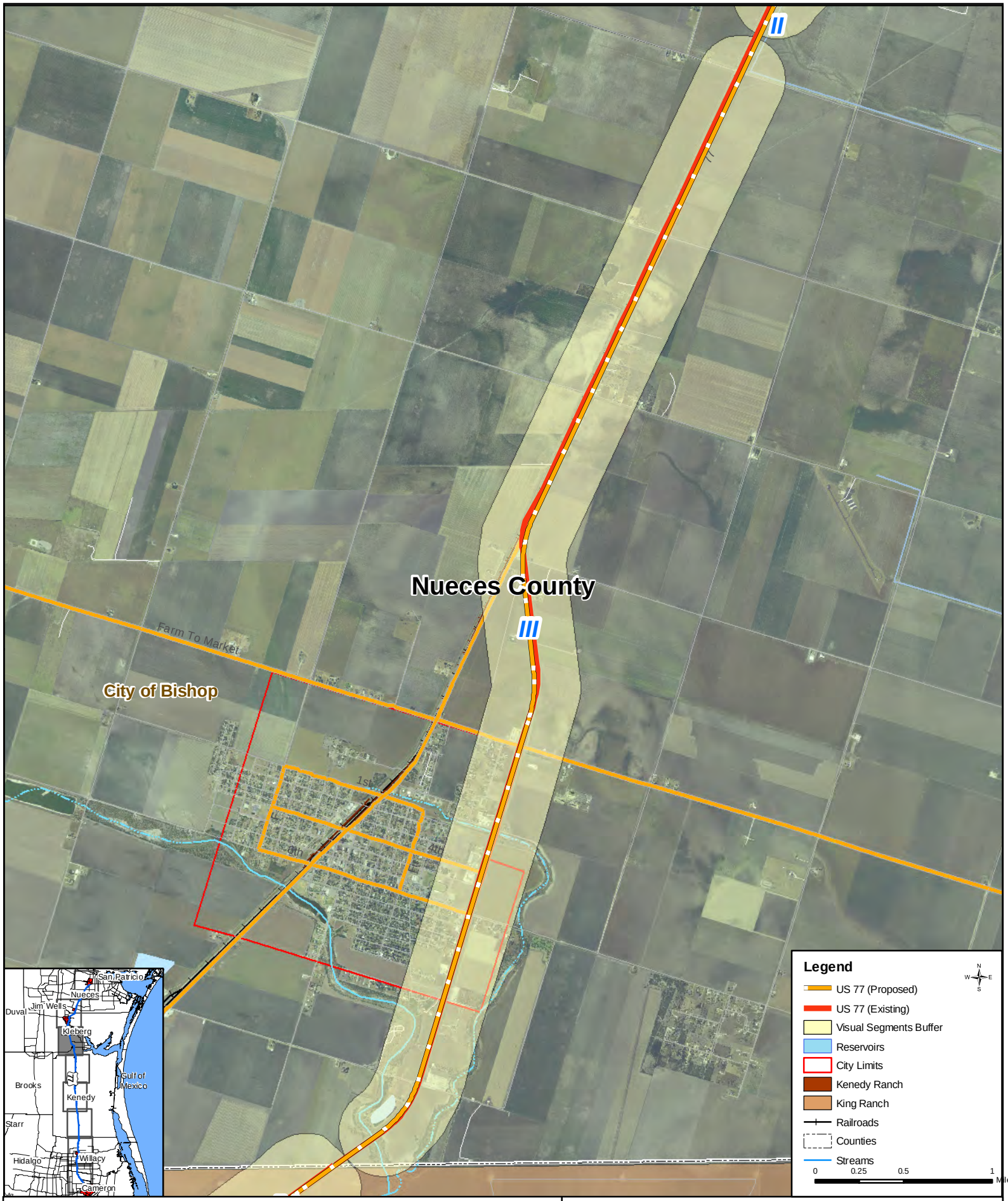
Aesthetics and Visual Quality
Figure A.4.2-6

Segment II: South of CR 36 to just south of the Proposed Driscoll Relief Route in Nueces County

Figure A.4.2-7 Aesthetics and Visual Quality



Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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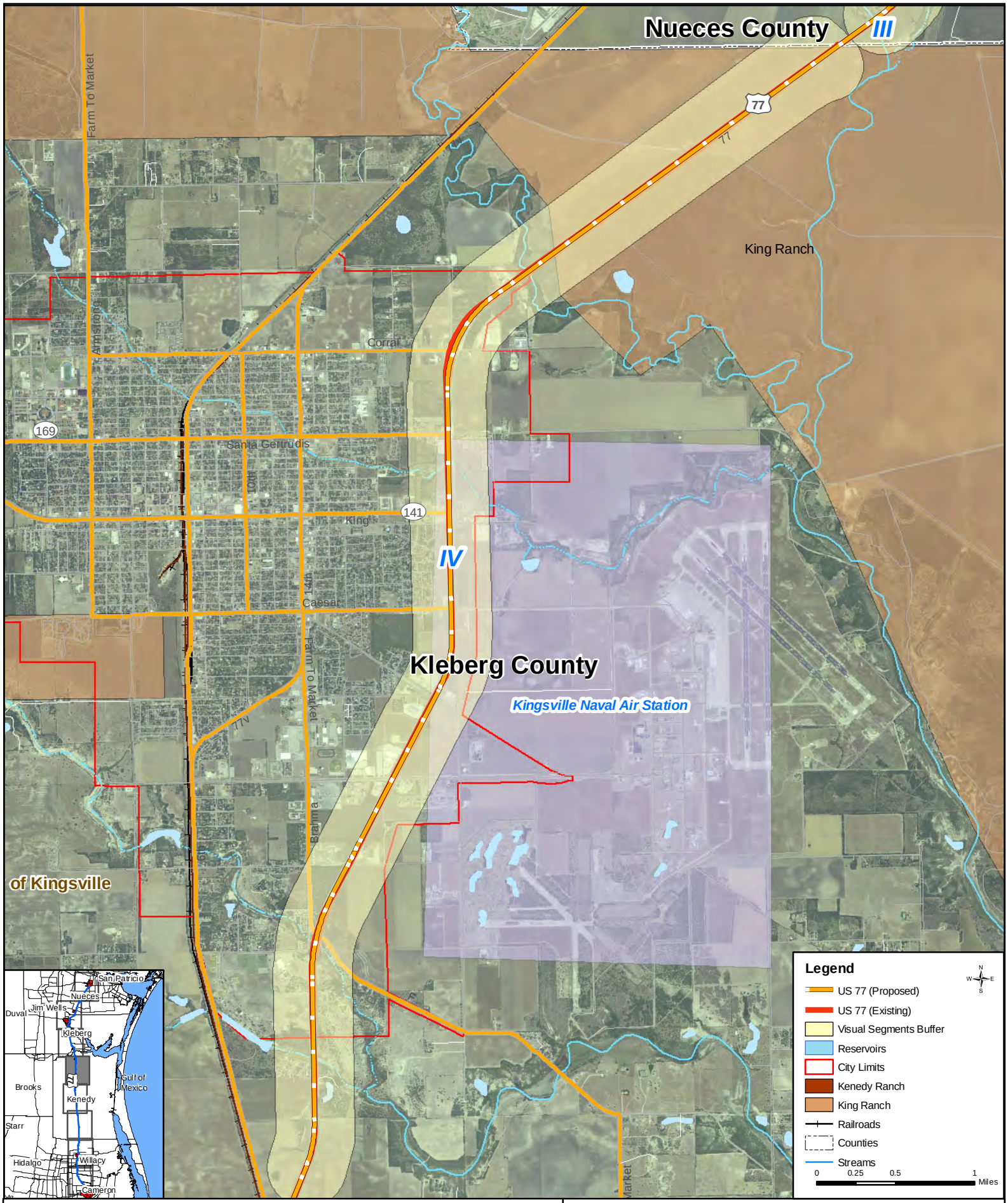
Aesthetics and Visual Quality
Figure A.4.2-7
Segment III: Just south of the Proposed Driscoll Relief Route in Nueces County to Nueces/Kleberg County Line

Figure A.4.2-8 Aesthetics and Visual Quality



US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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Aesthetics and Visual Quality
Figure A.4.2-8
Segment IV: Nueces/Kleberg County Line to FM 772/just south of the existing Kingsville Relief Route in Kleberg County

Figure A.4.2-9 Aesthetics and Visual Quality

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Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
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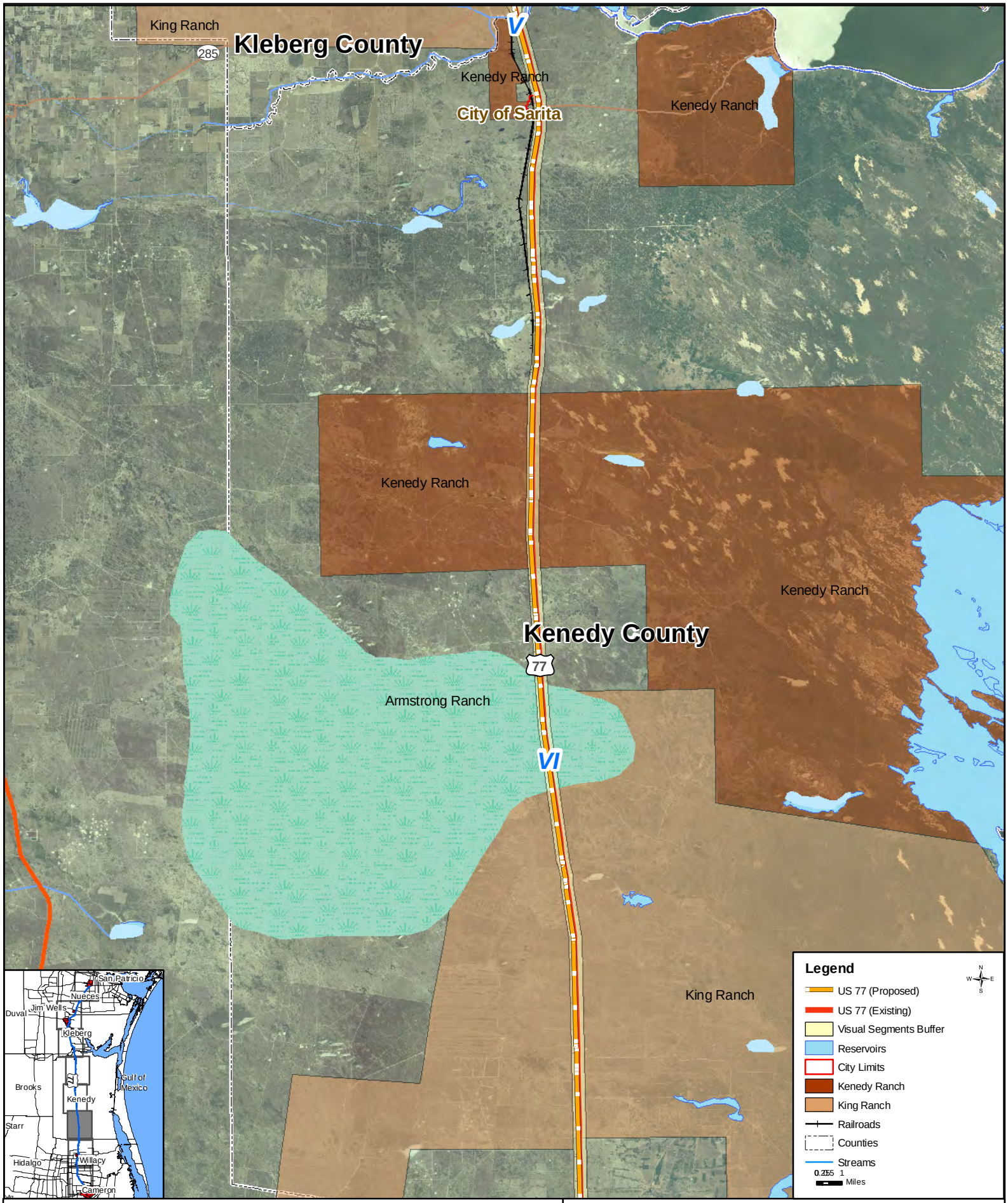
Aesthetics and Visual Quality
Figure A.4.2-9
Segment V: FM 772/just south of the existing Kingsville Relief Route in Kleberg County to Los Olmos Creek/Kleberg/Kenedy County Line

Figure A.4.2-10 Aesthetics and Visual Quality

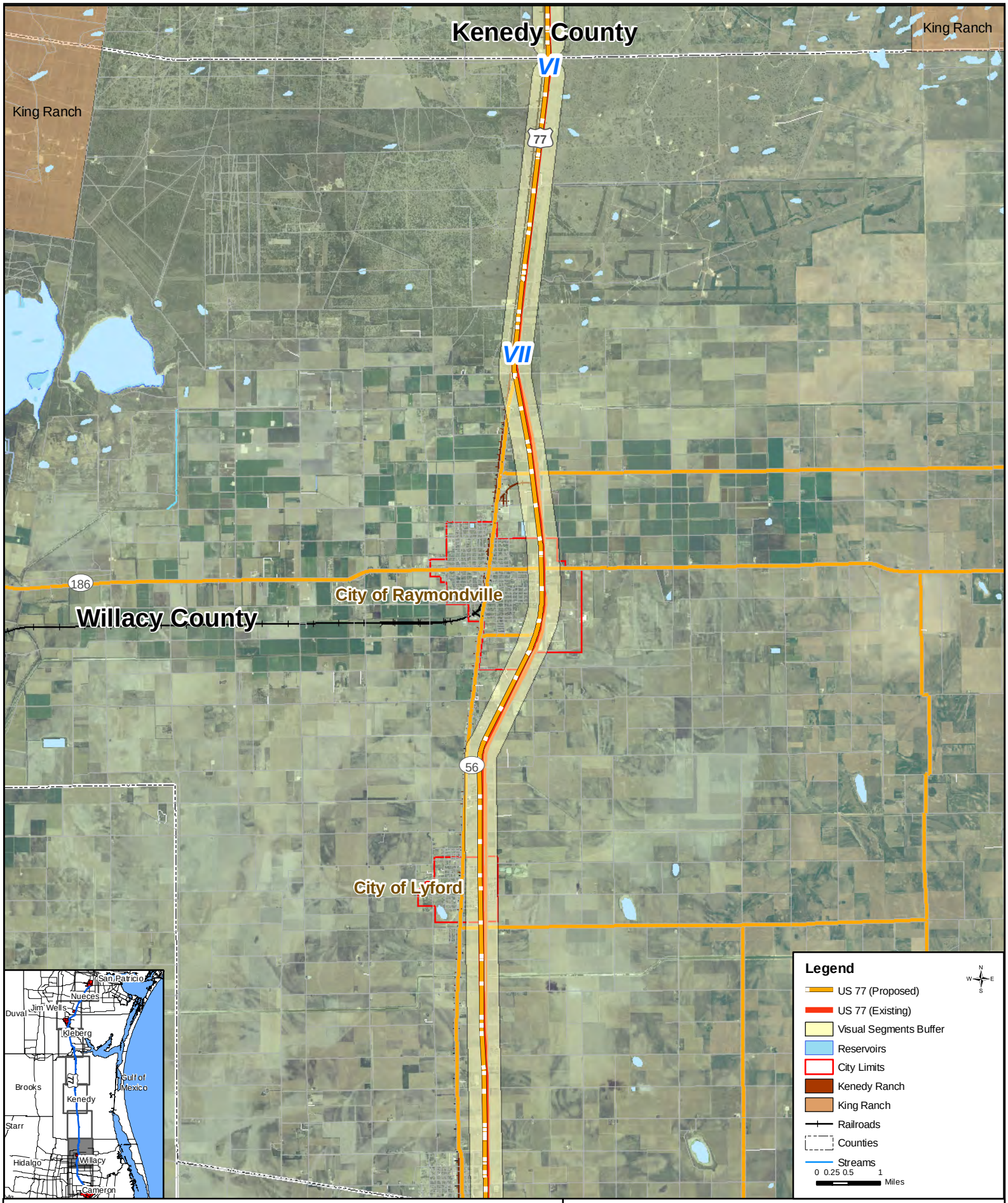


Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Aesthetics and Visual Quality
Figure A.4.2-10

Segment VI: Los Olmos Creek/Kleberg/Kenedy County Line to Kenedy/Willacy County Line

Figure A.4.2-11 Aesthetics and Visual Quality



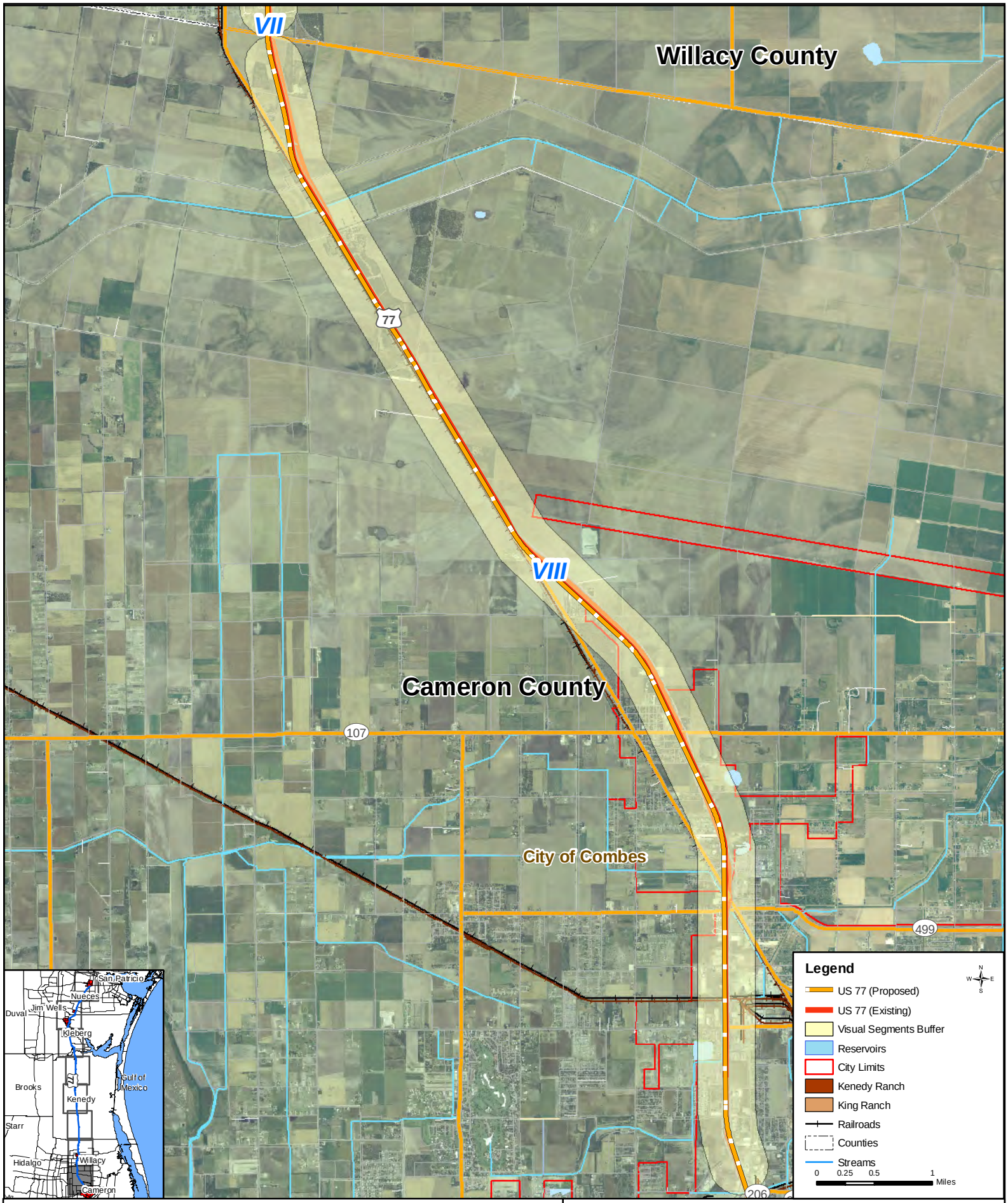
US 77 UPGRADE HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Aesthetics and Visual Quality
Figure A.4.2-11

Segment VII: Kenedy/Willacy County Line to the Willacy/Cameron County Line

Figure A.4.2-12 Aesthetics and Visual Quality



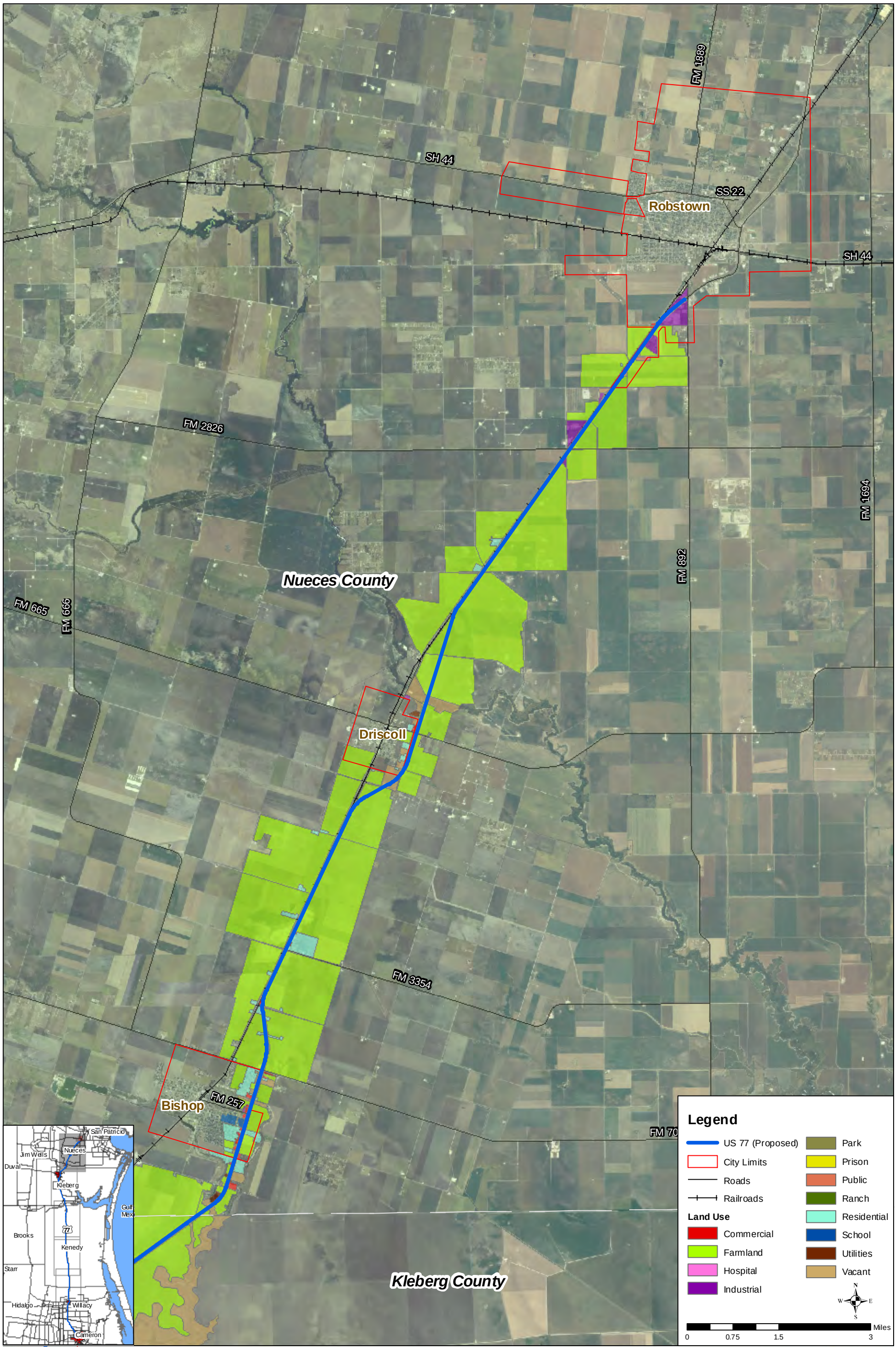
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Aesthetics and Visual Quality
Figure A.4.2-12

Segment VIII: Willacy/Cameron County Line to US 83 in Harlingen, Cameron County

Figure A.4.4-1 Existing Land Use



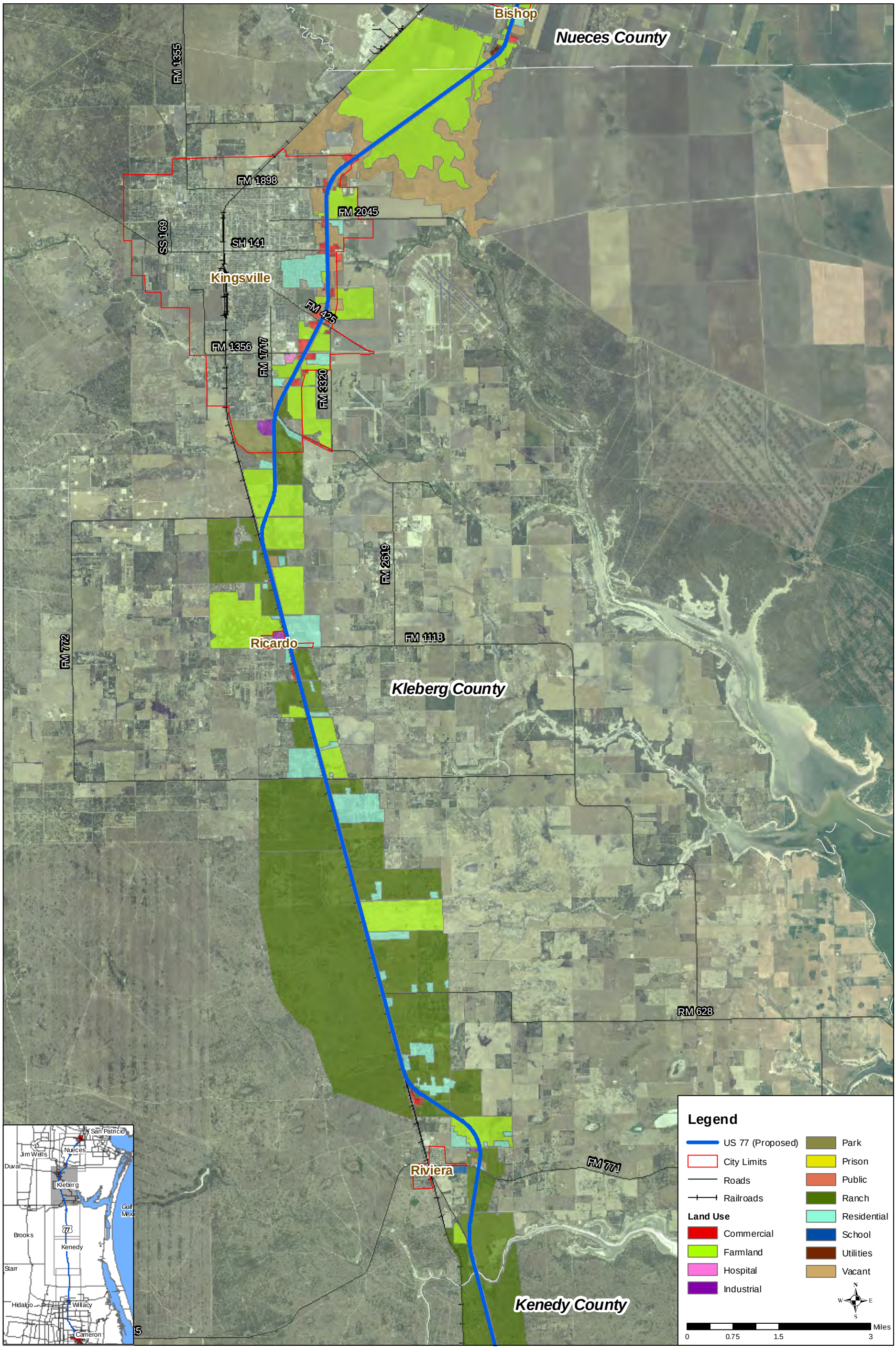
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-1
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.4-2 Existing Land Use



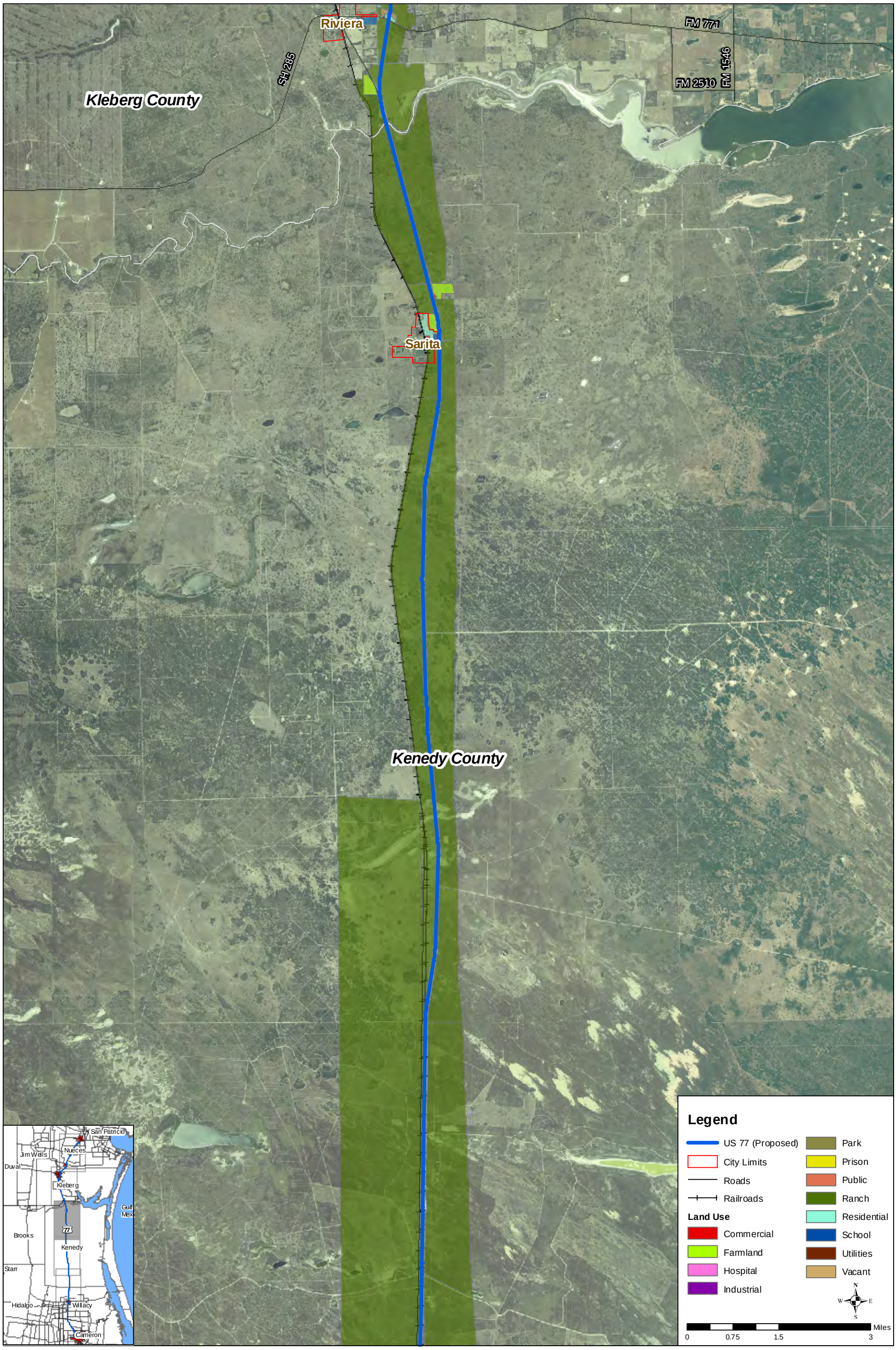
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-2
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.4-3 Existing Land Use



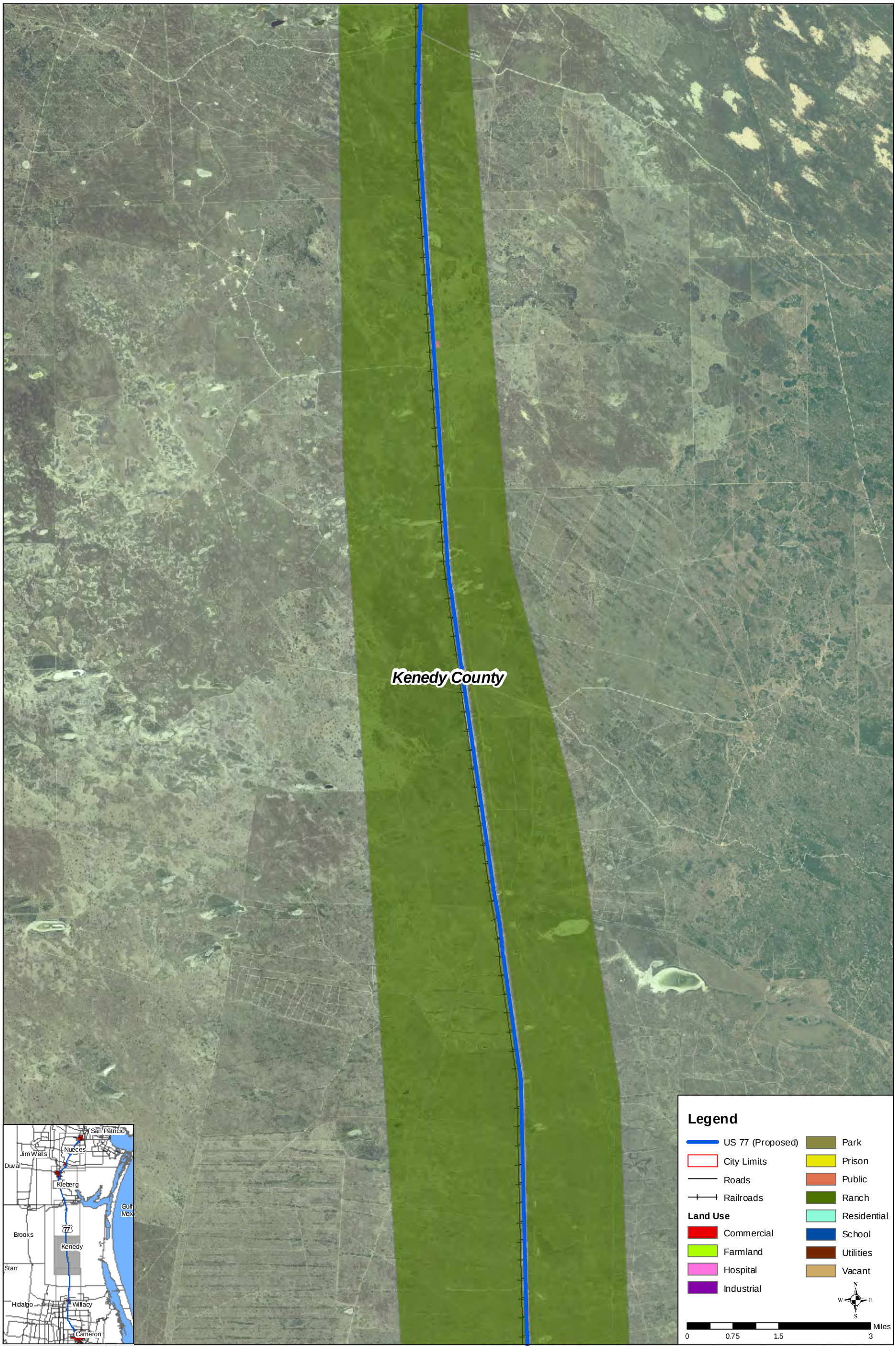
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-3
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.4-4 Existing Land Use



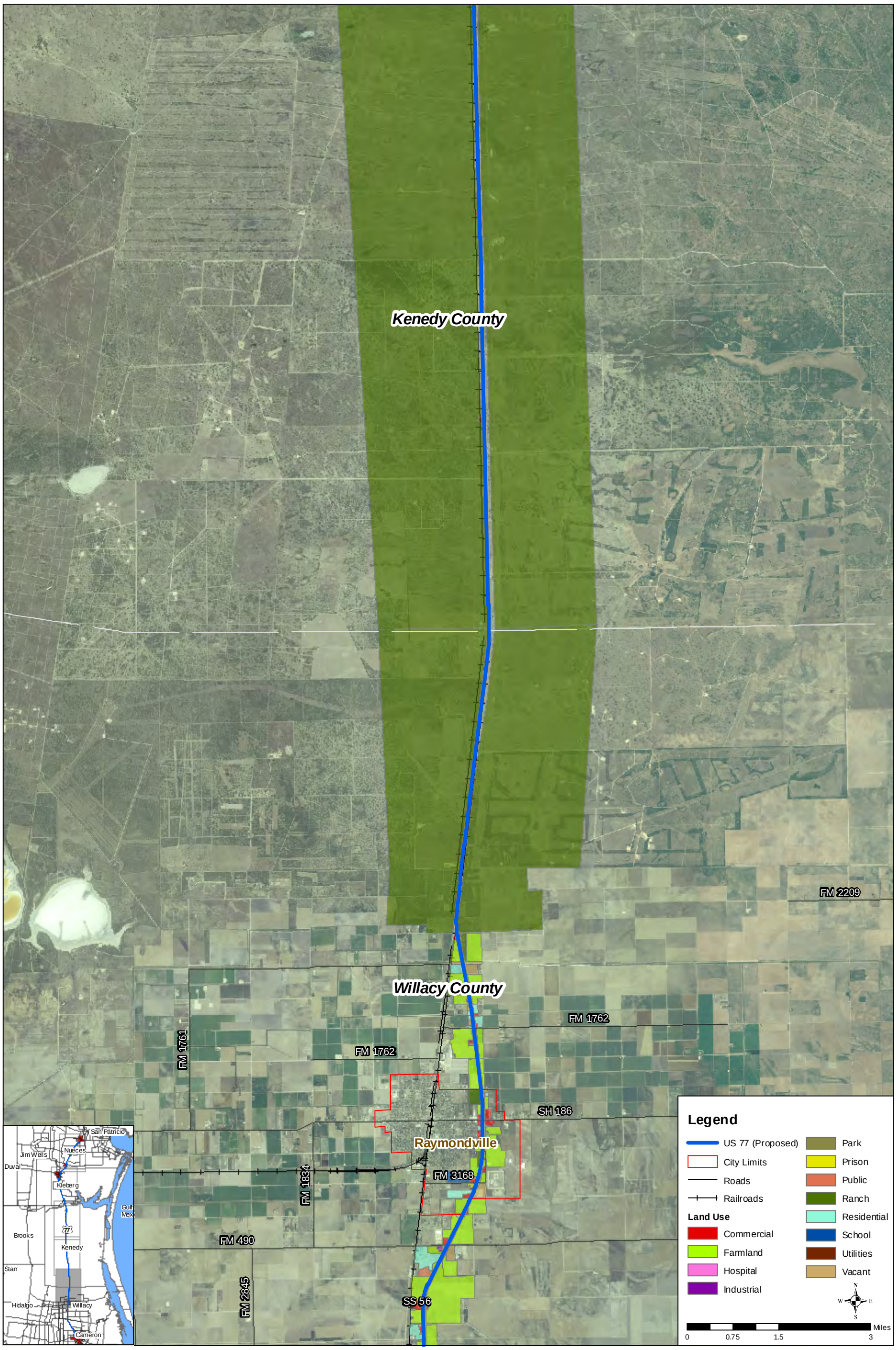
US 77 UPGRADE HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-4
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.4-5 Existing Land Use



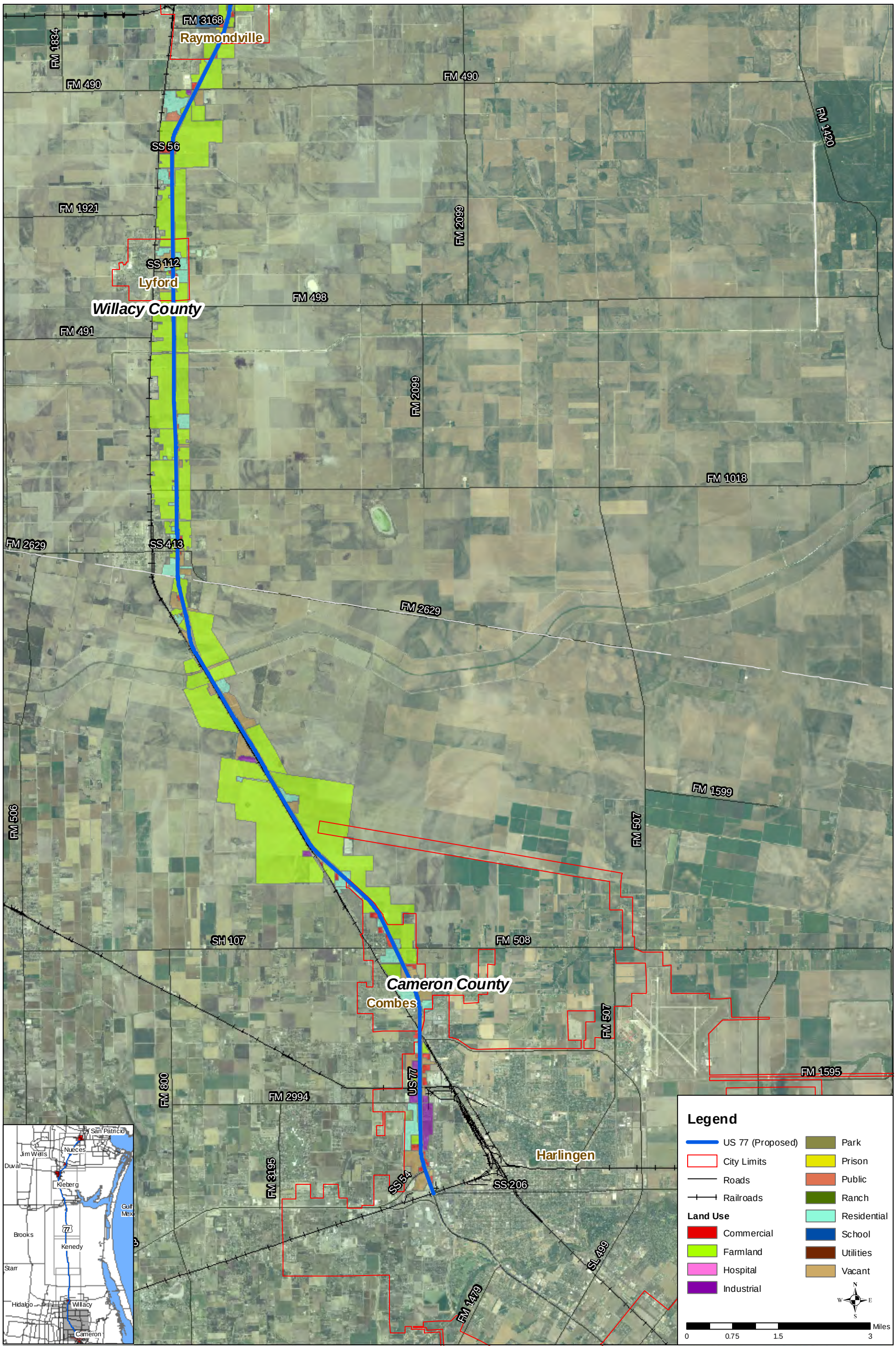
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-5
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.4-6 Existing Land Use



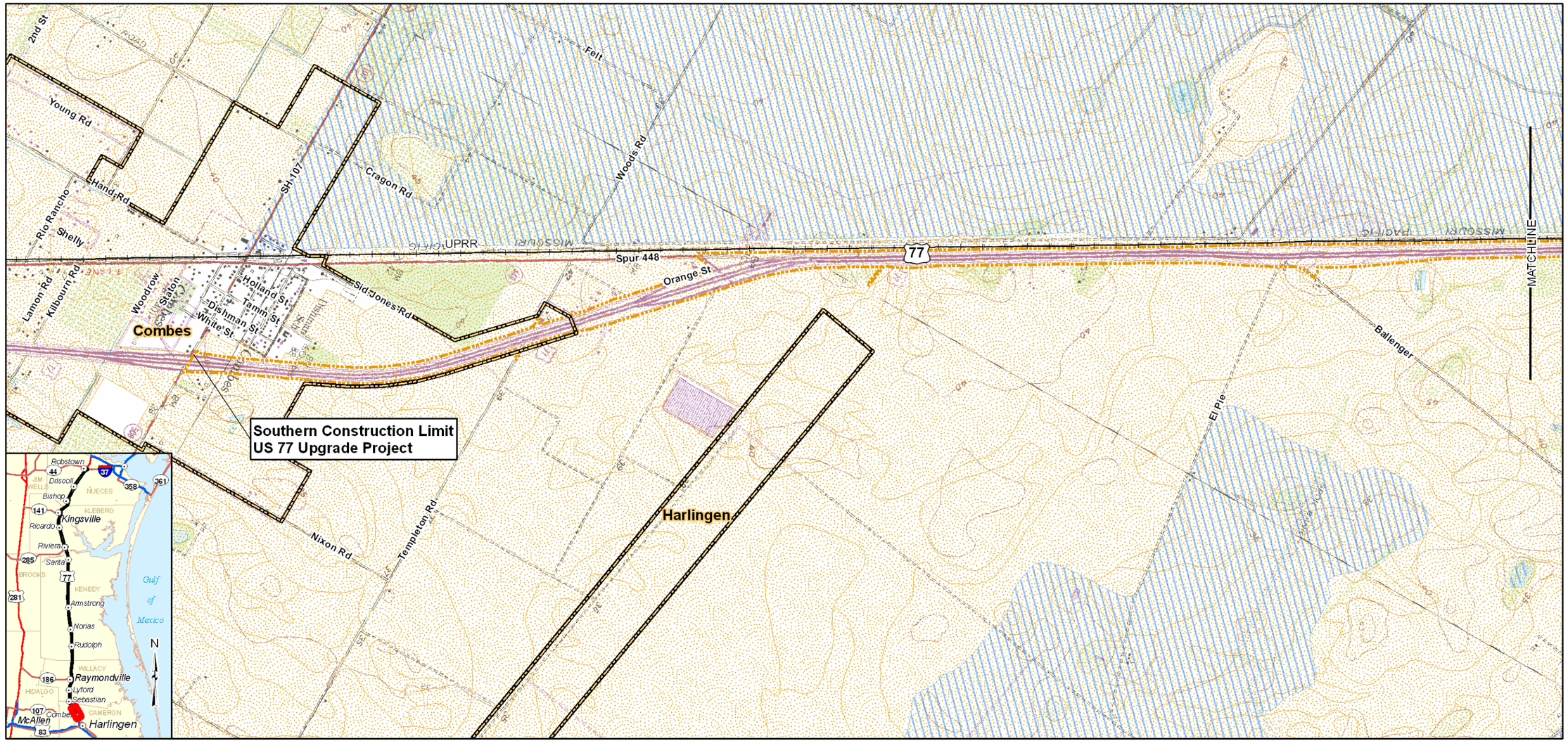
US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.4.4-6
Existing Land Use

Source: TNRIS Aerials(2005)
Jacobs: January 2010

Figure A.4.5-1 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000

2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-1

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
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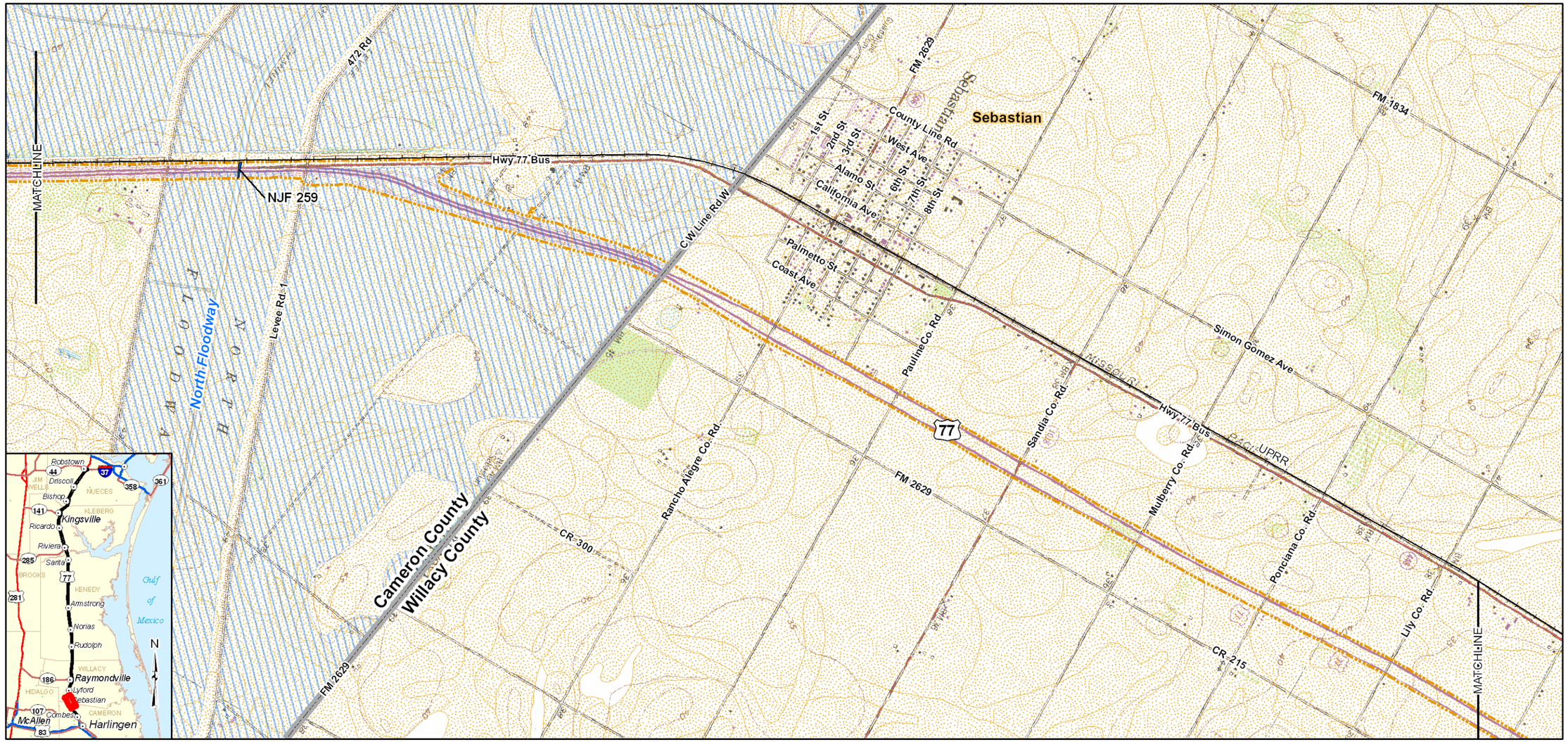
Figure A.4.5-2 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000

2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

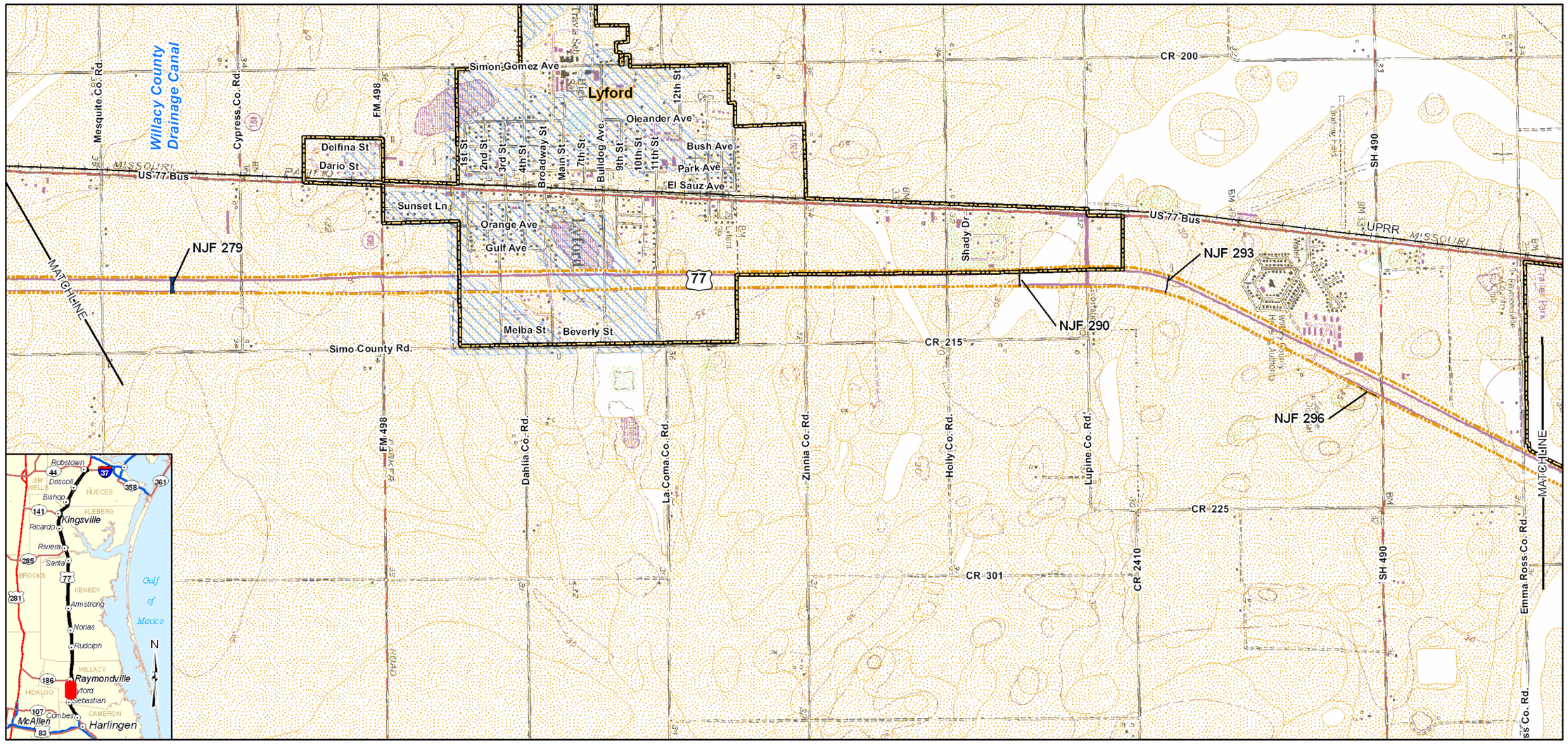
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-2

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-3 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-3

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
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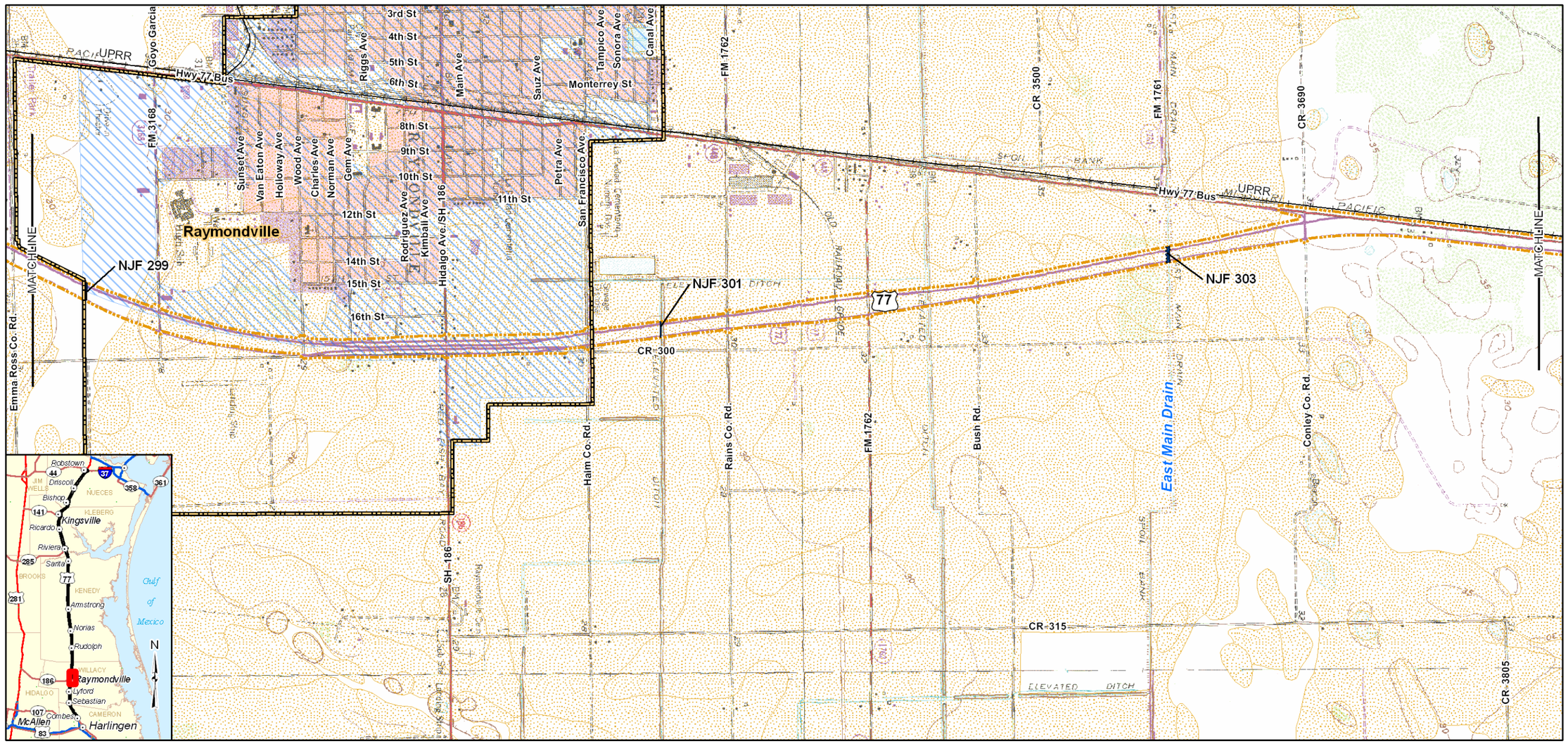
Figure A.4.5-4 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-4

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Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
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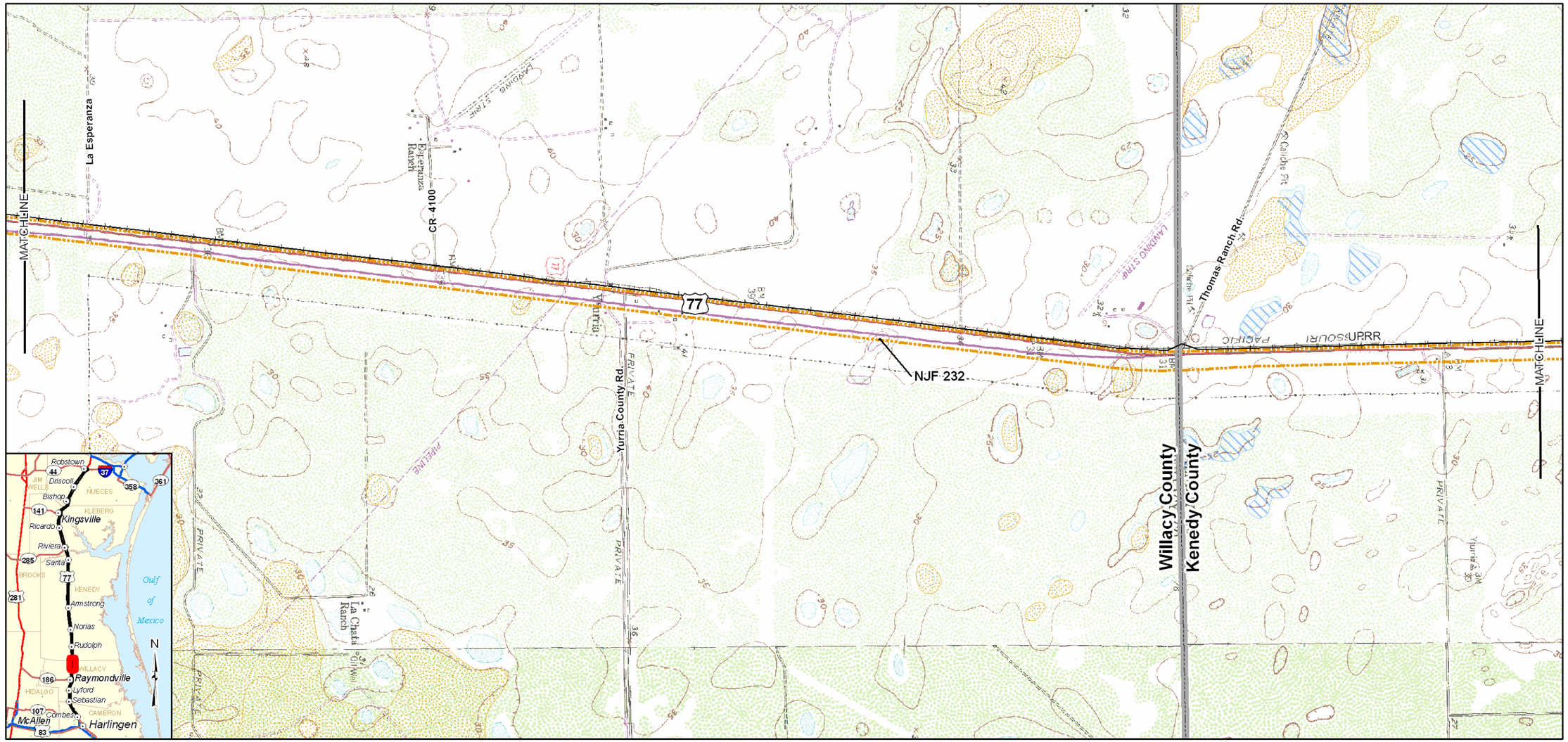
Figure A.4.5-5 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-5

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
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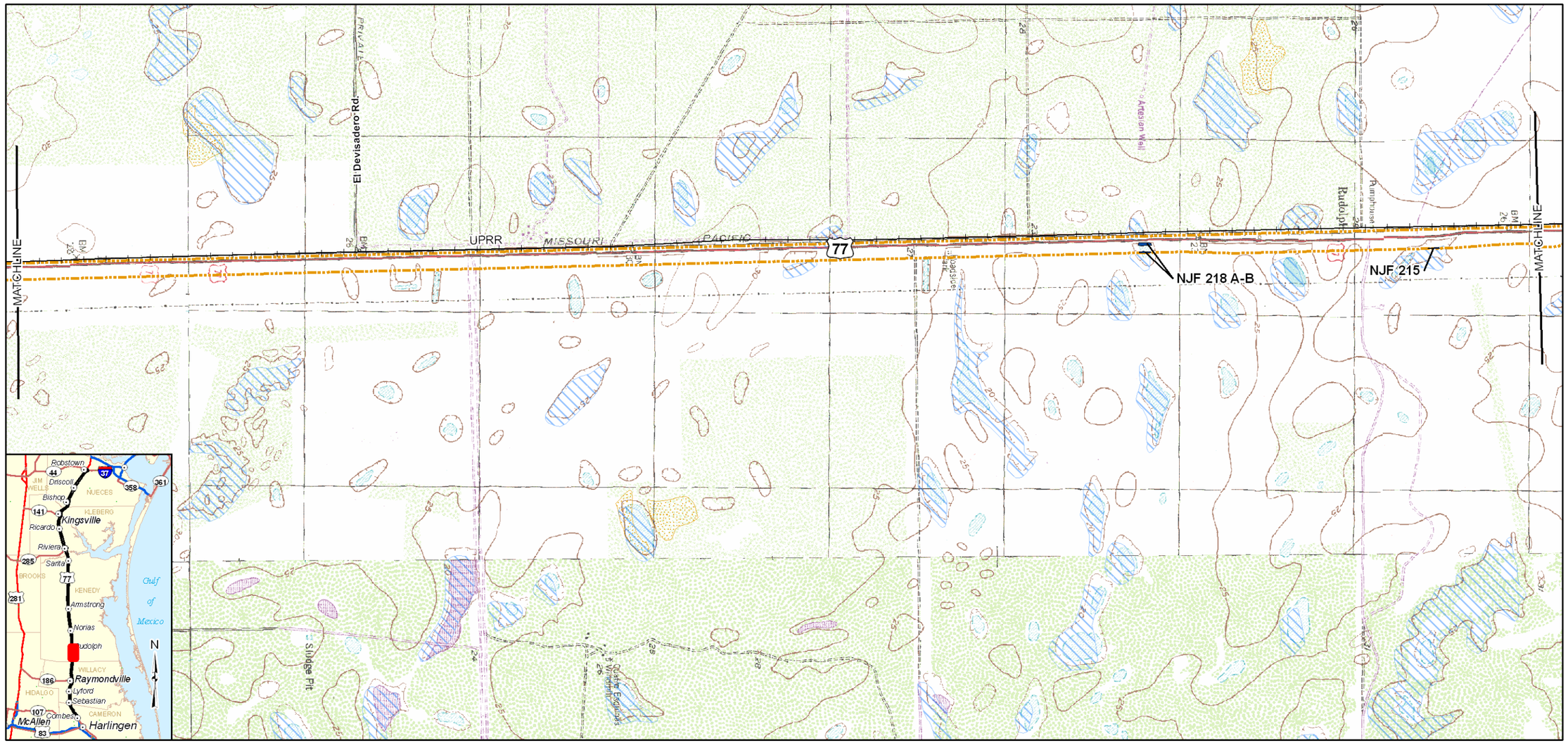
Figure A.4.5-6 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

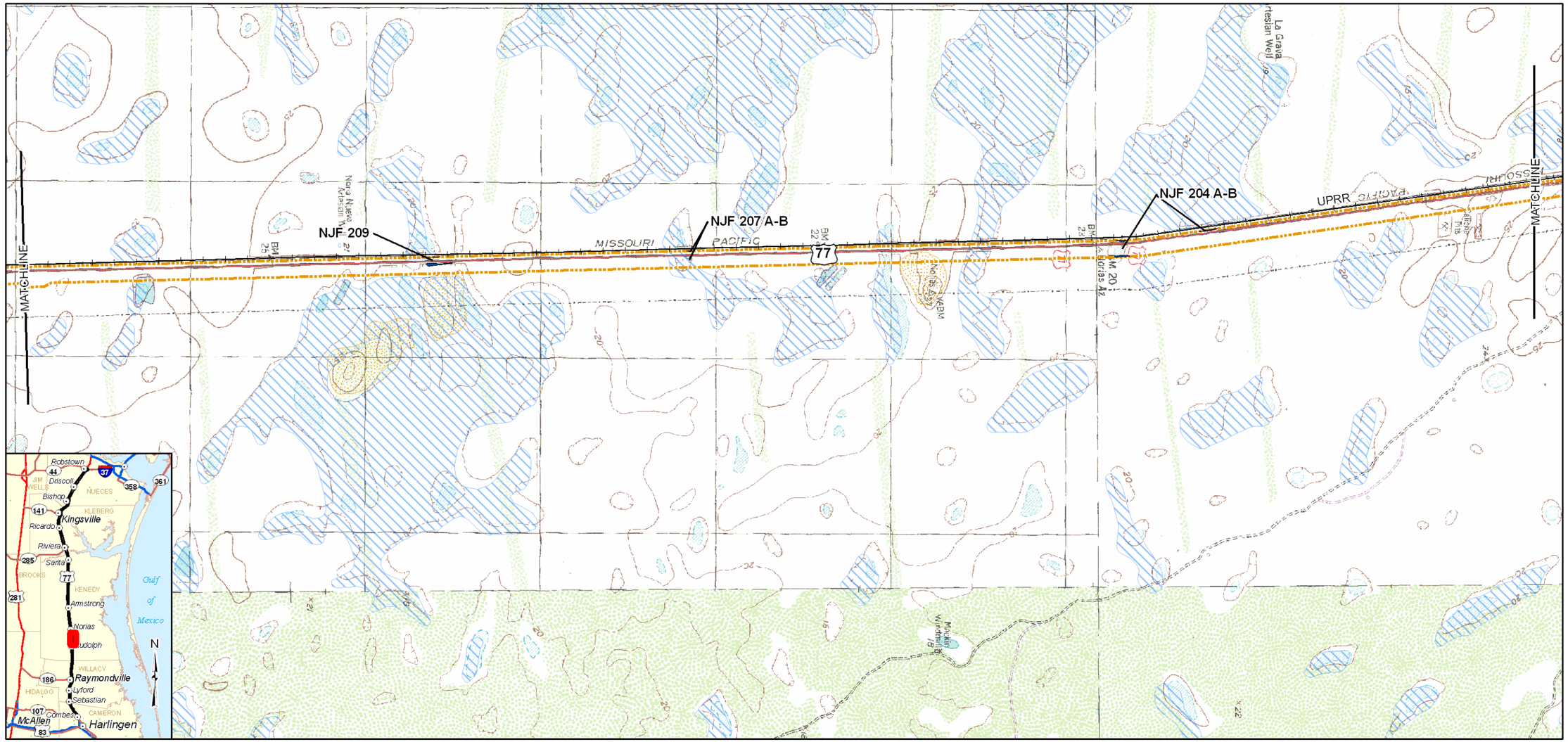
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-6

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-7 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

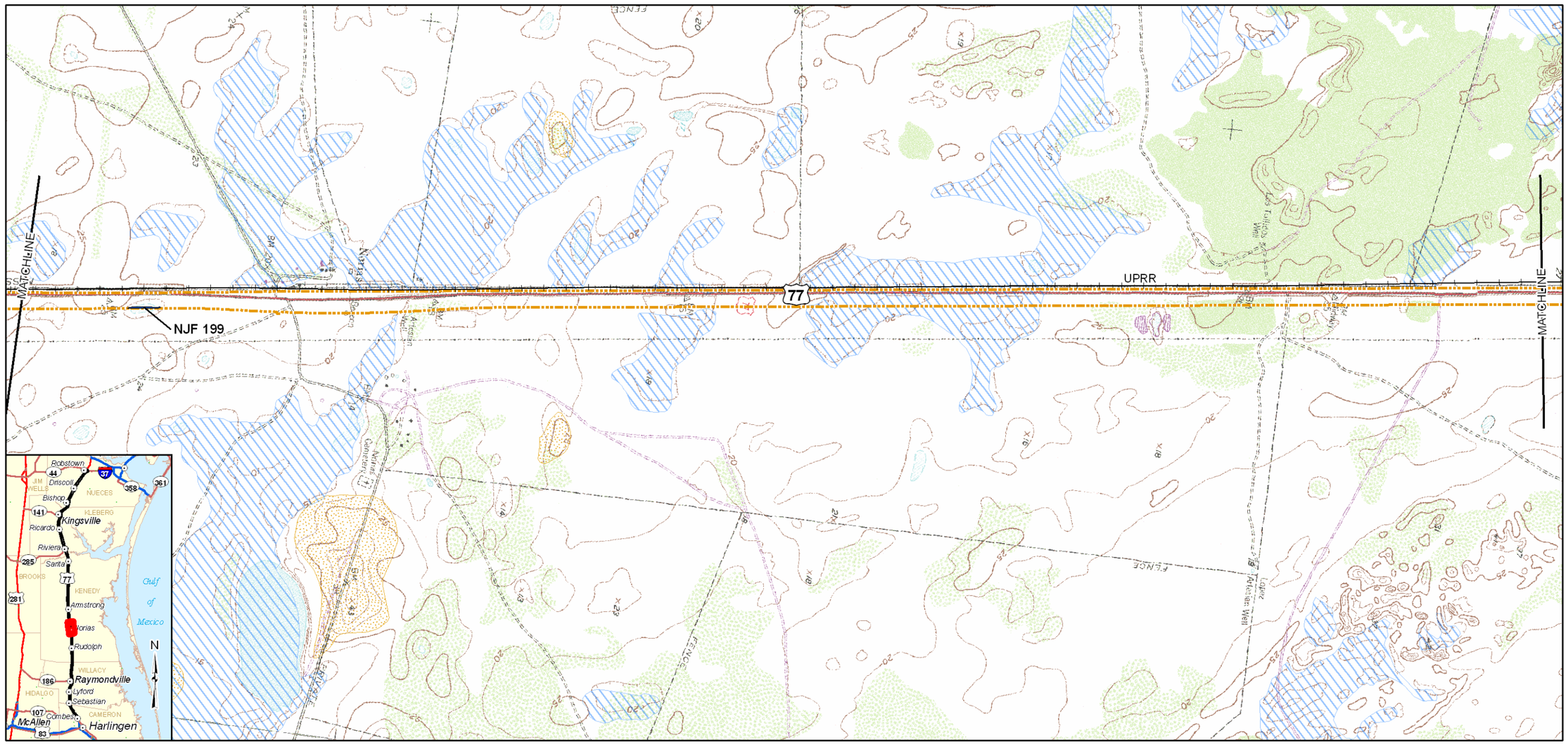
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-7

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-8 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

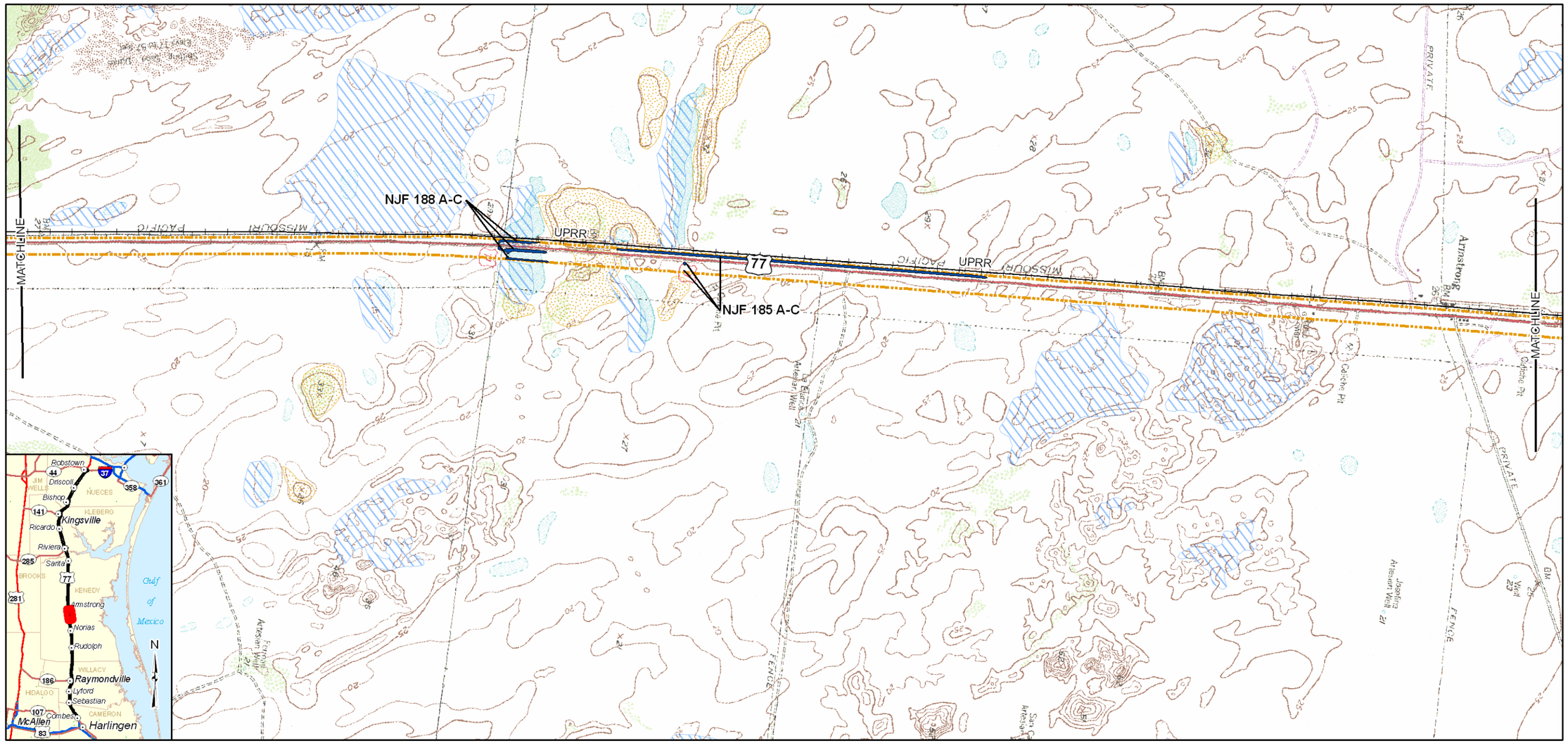
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-8

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-9 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

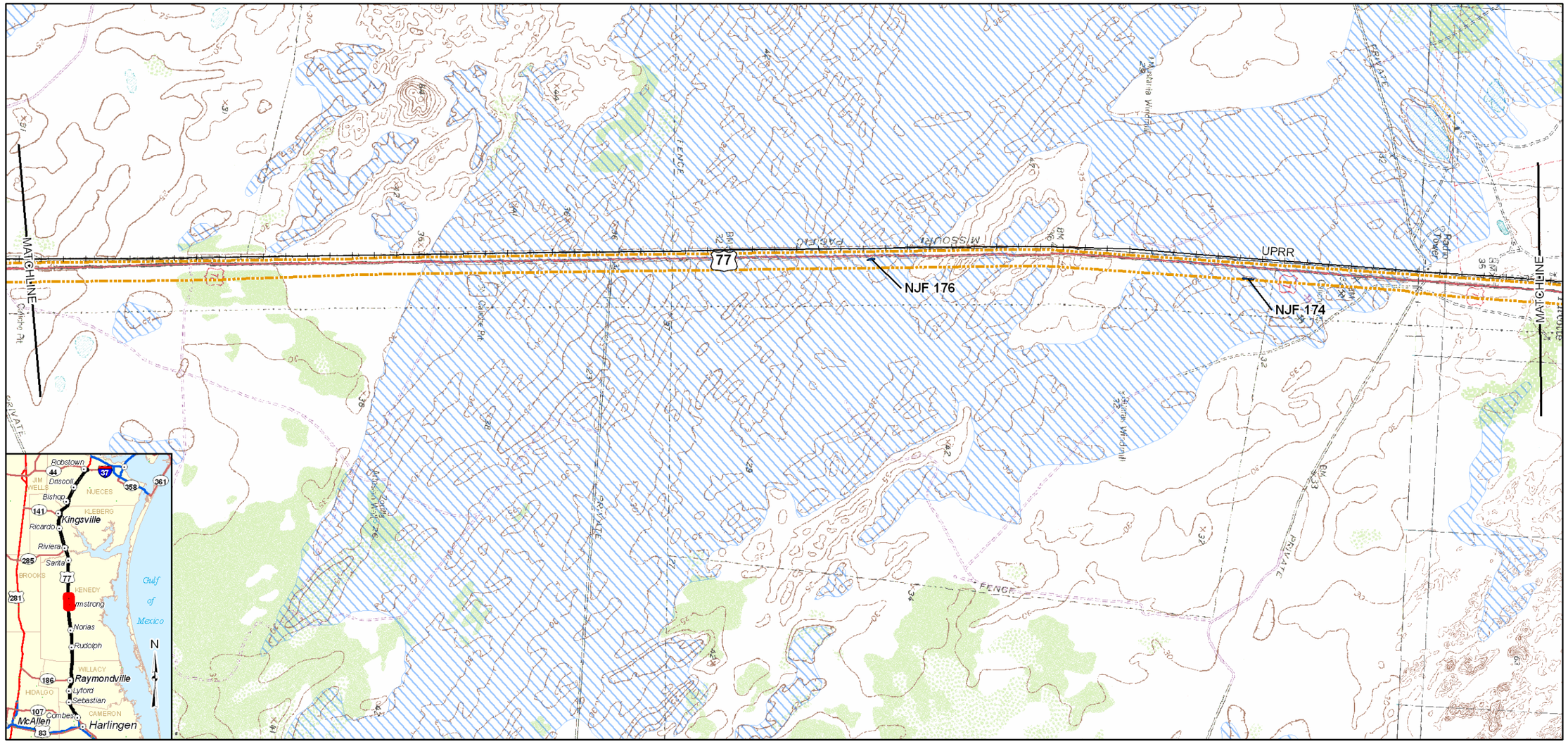
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-9

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-10 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000

2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

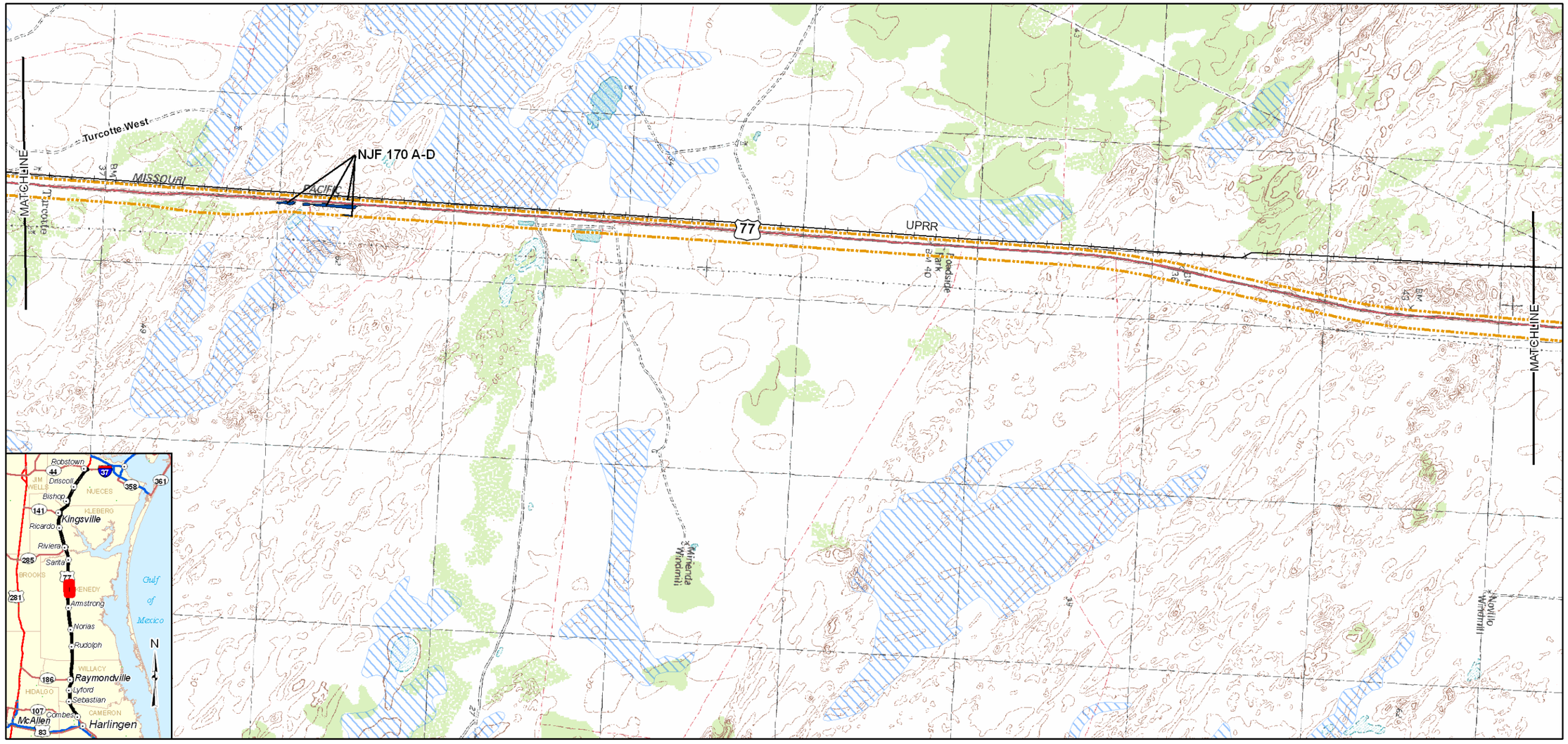
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-10

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-11 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

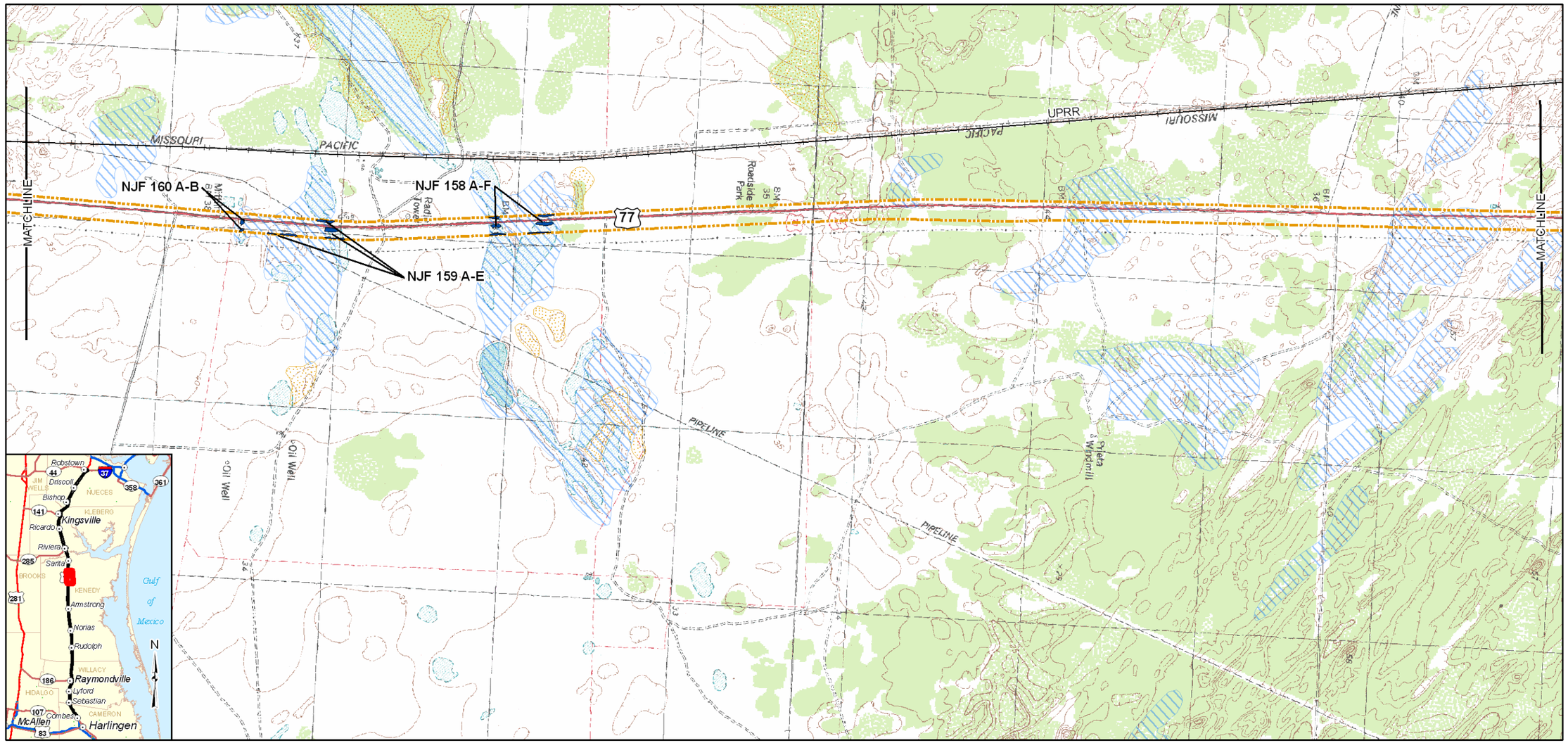
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-11

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-12 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000

2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

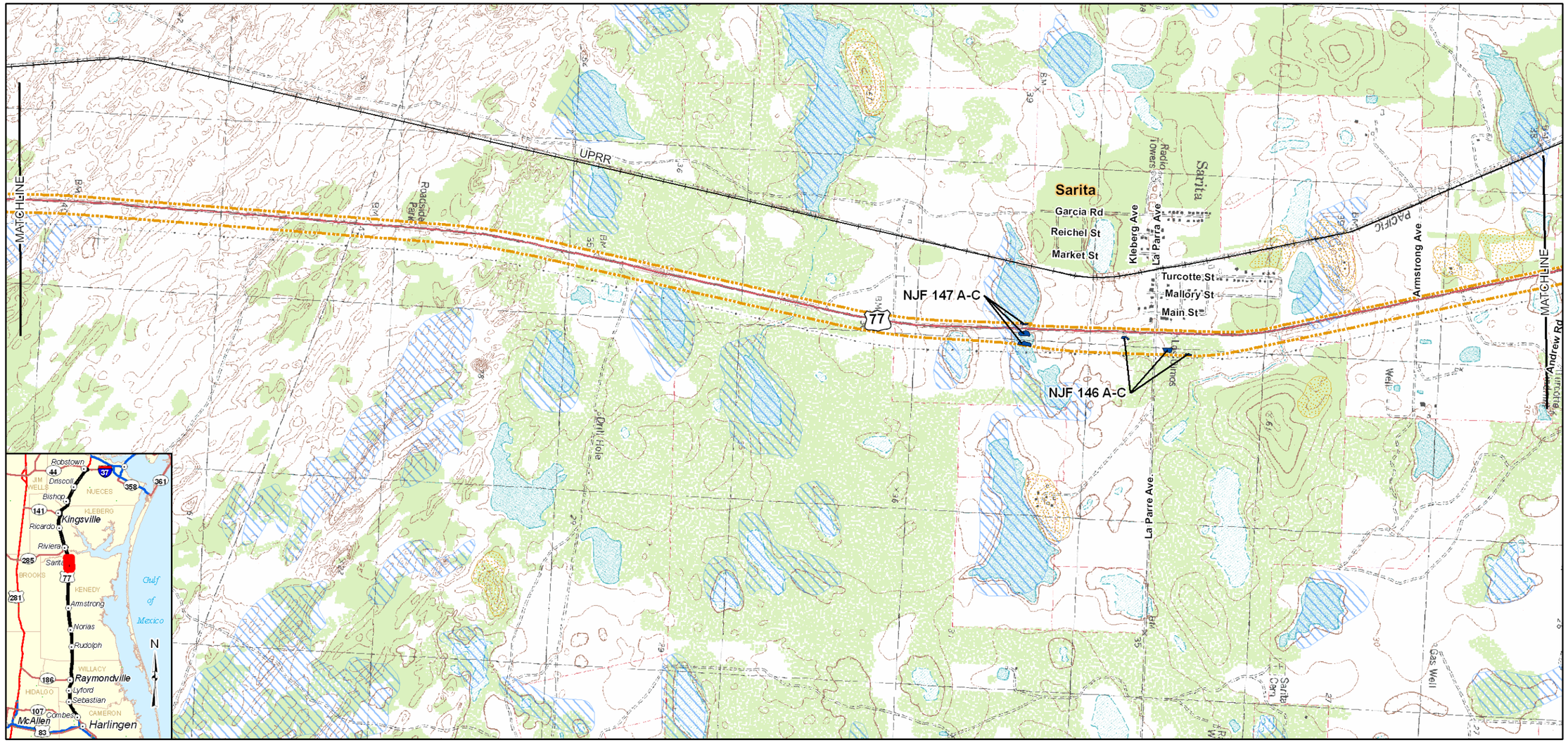
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-12

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-13 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

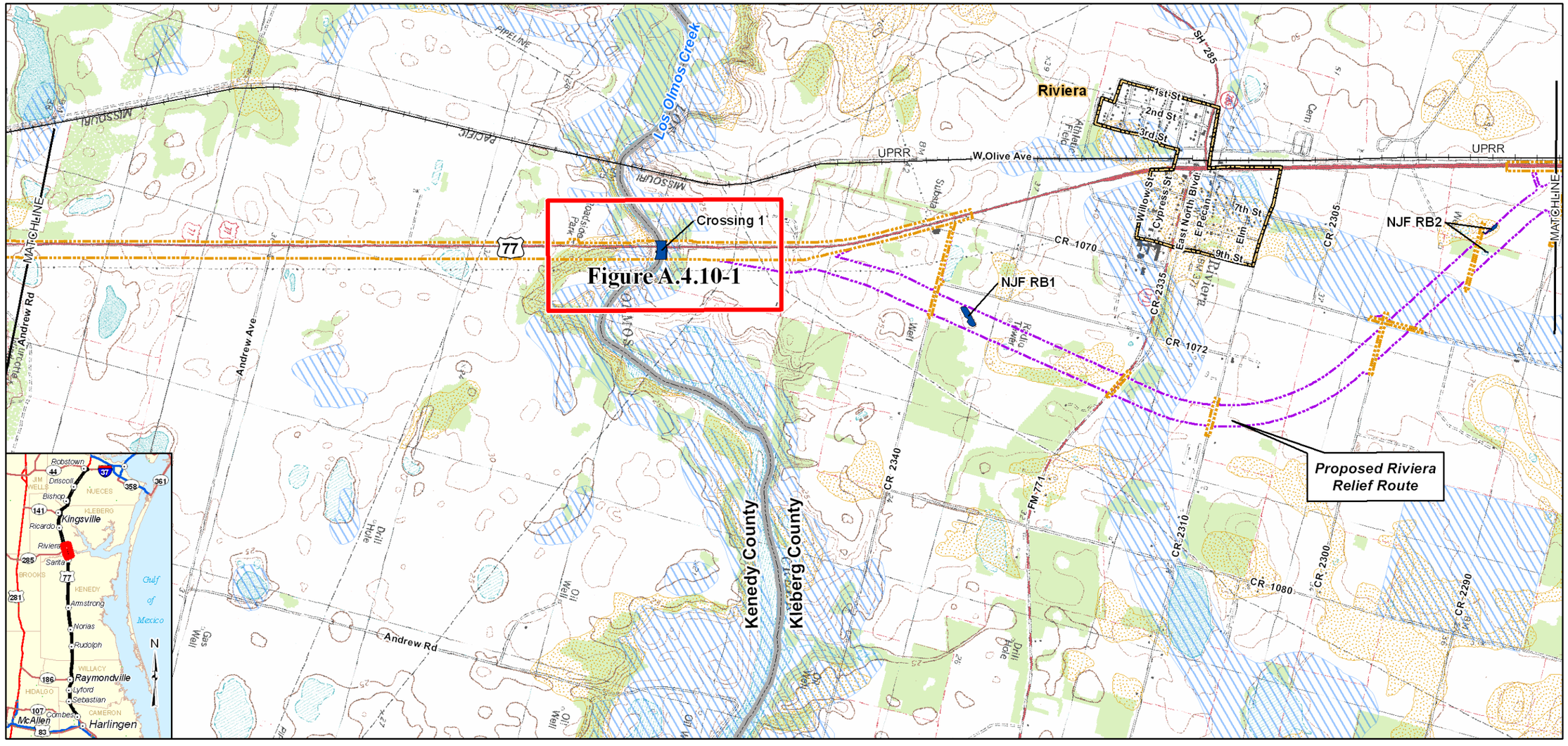
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-13

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-14 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

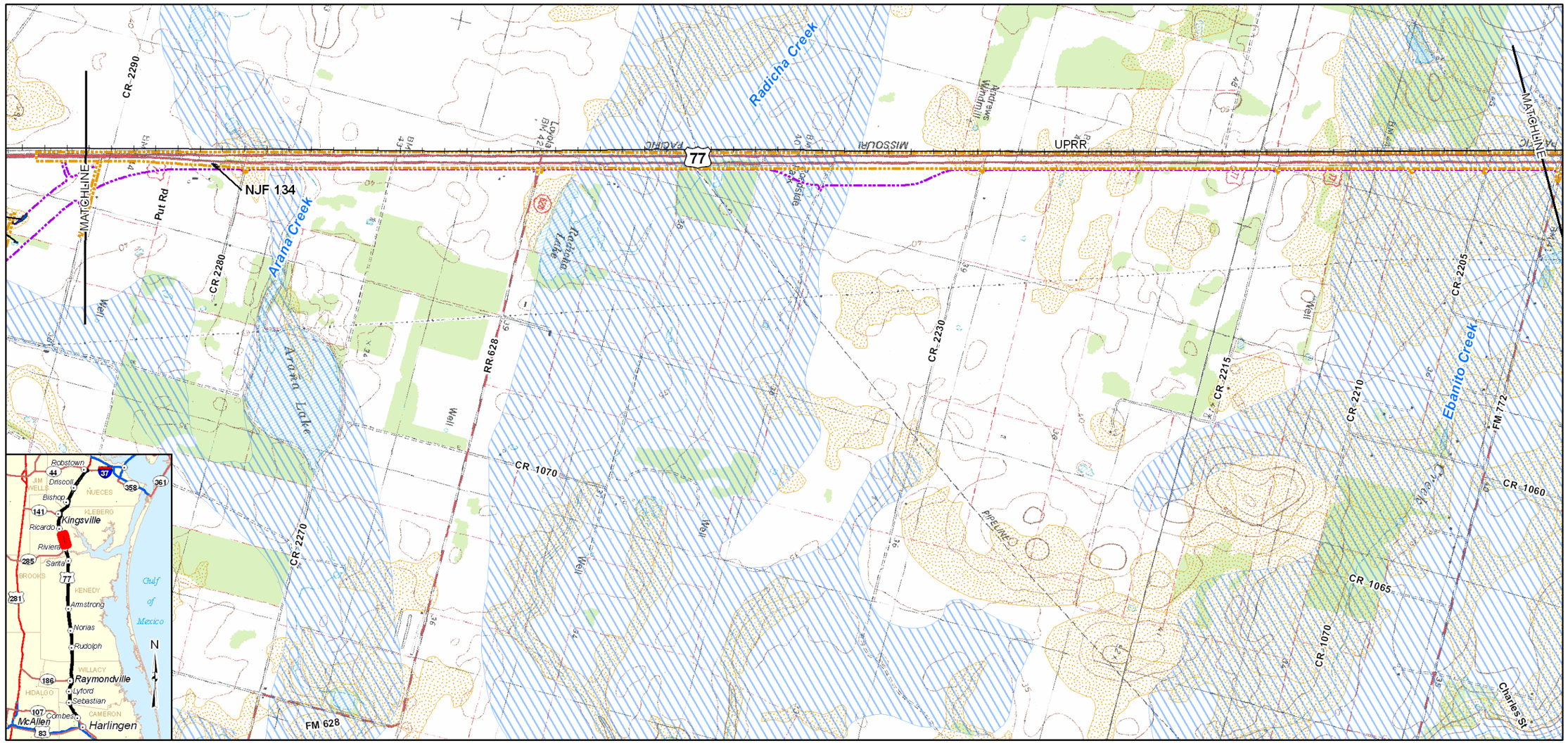
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-14

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-15 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

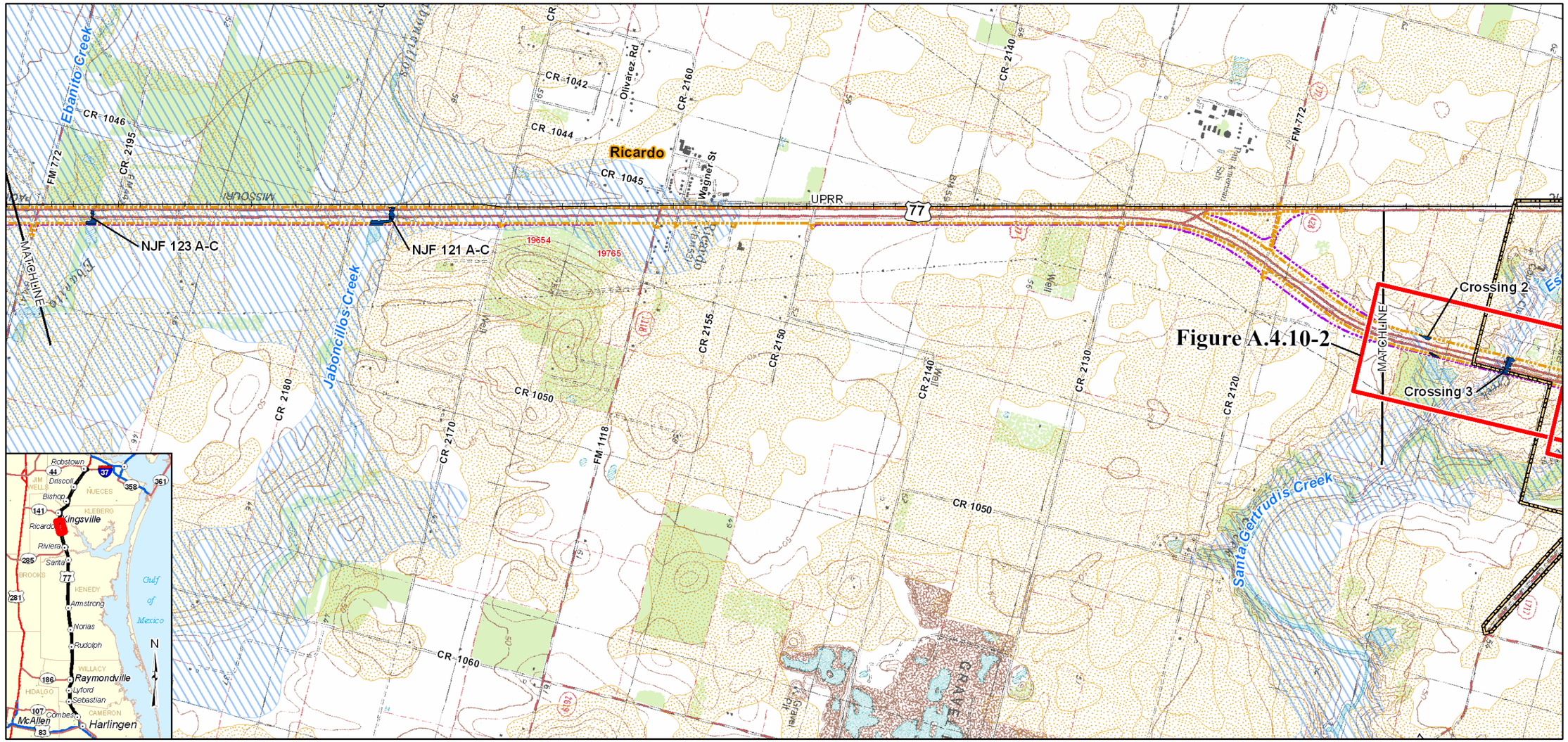
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-15

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-16 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

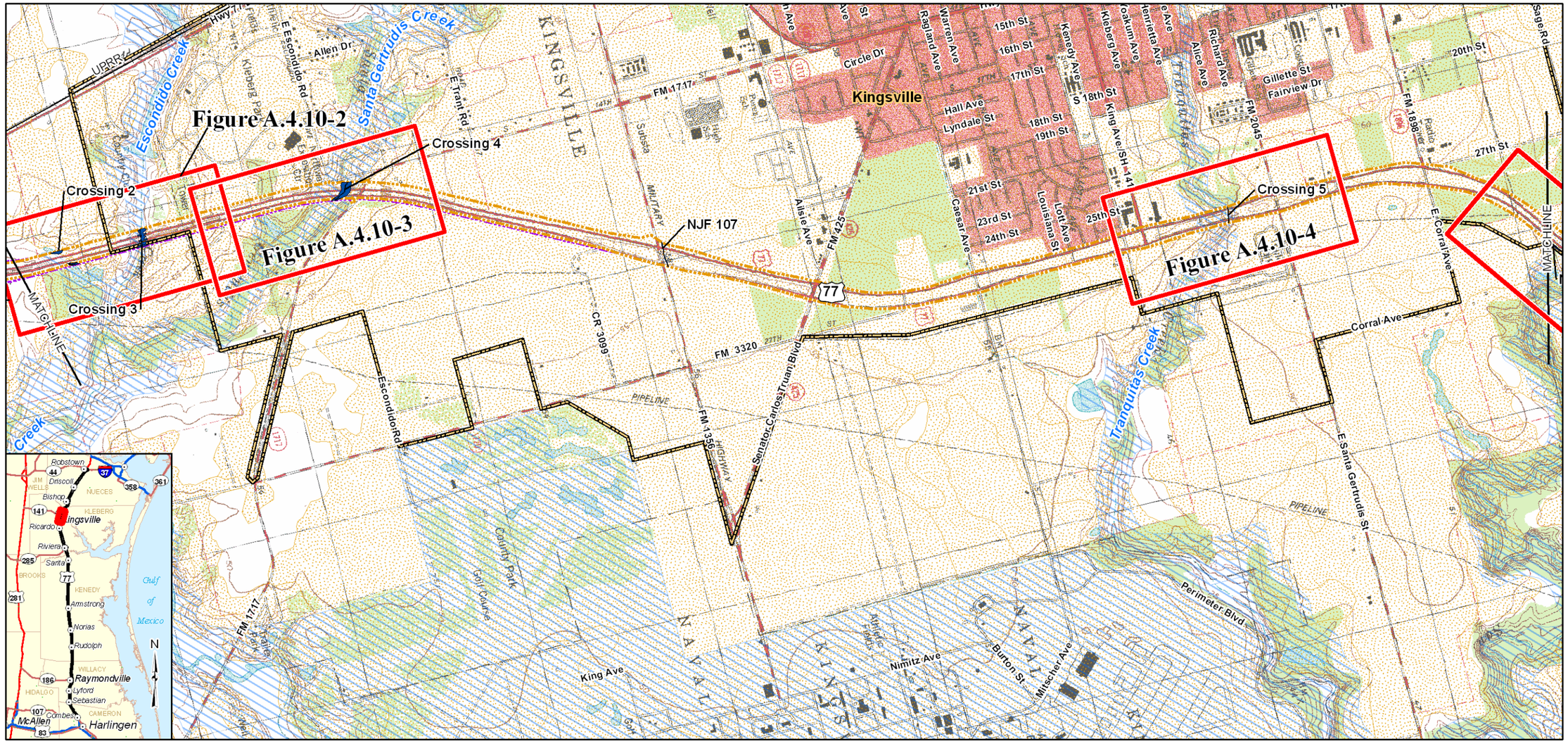
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-16

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-17 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

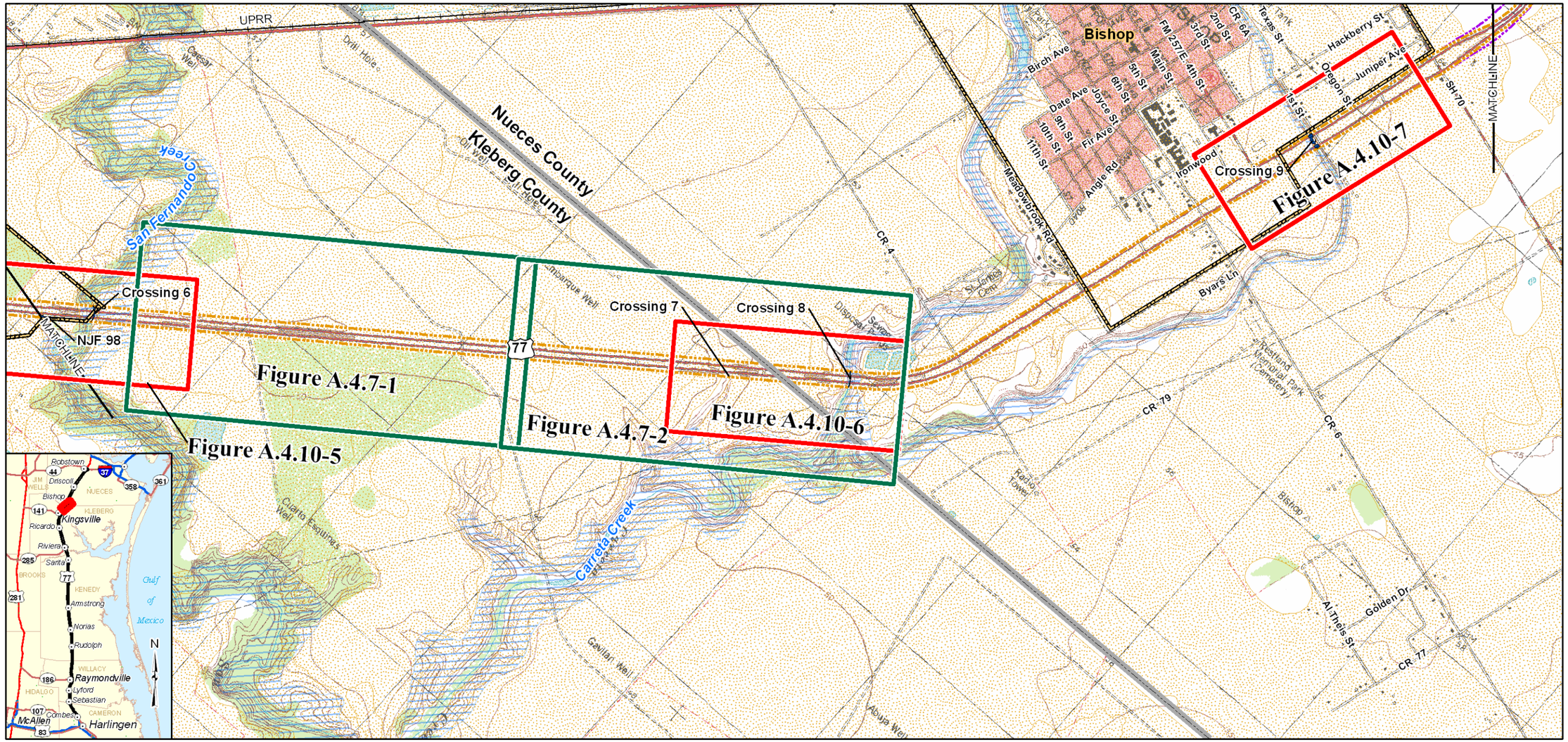
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-17

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-18 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

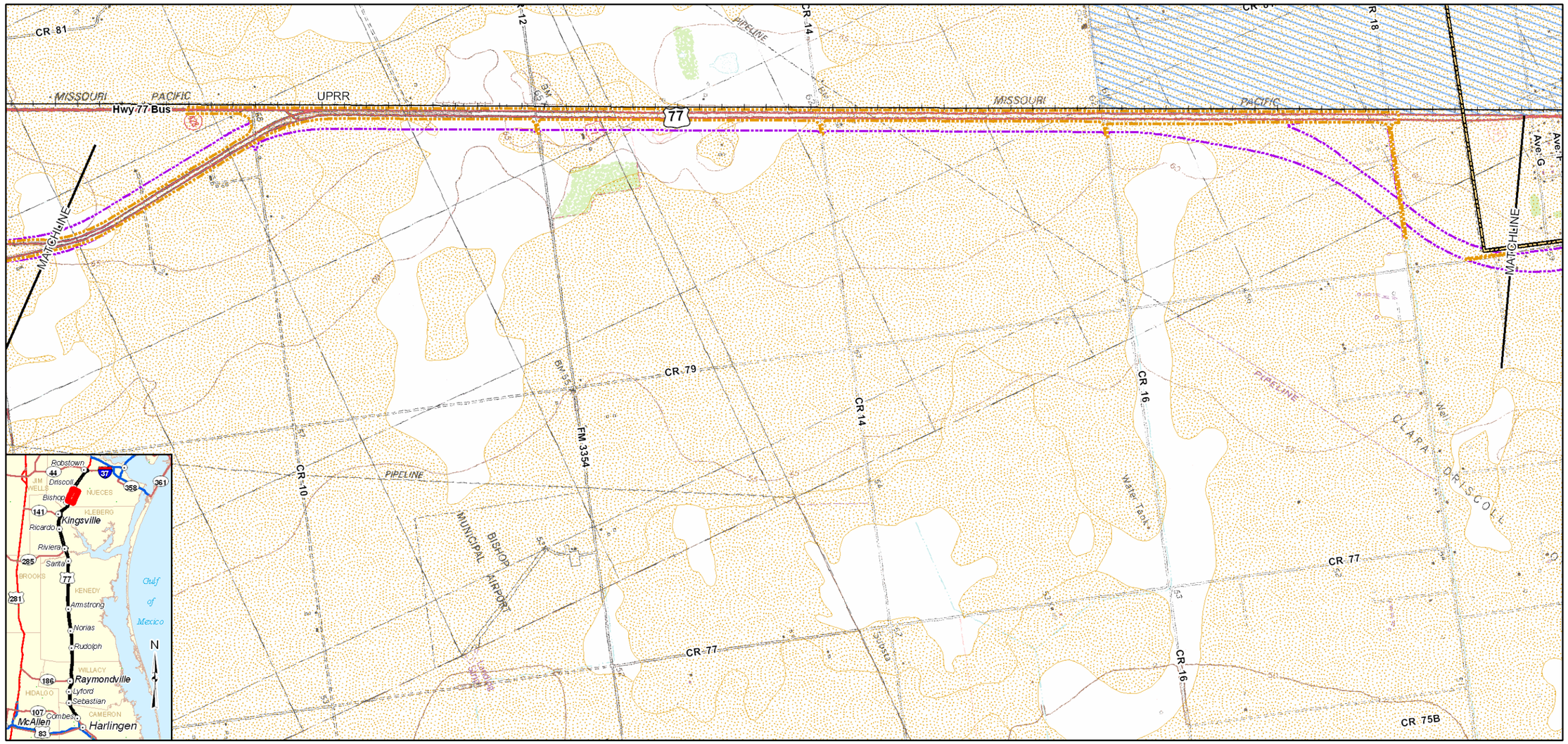
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-18

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-19 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW

Proposed ROW

Prime Farmland Soils

100-Year Floodplains

Water Features

Endangered Plant Inset

Waters of the U.S. Inset

County Boundary

Scale 1:24,000

2,000 0 2,000

Feet

Base Map: USGS Topographic Map, 24k

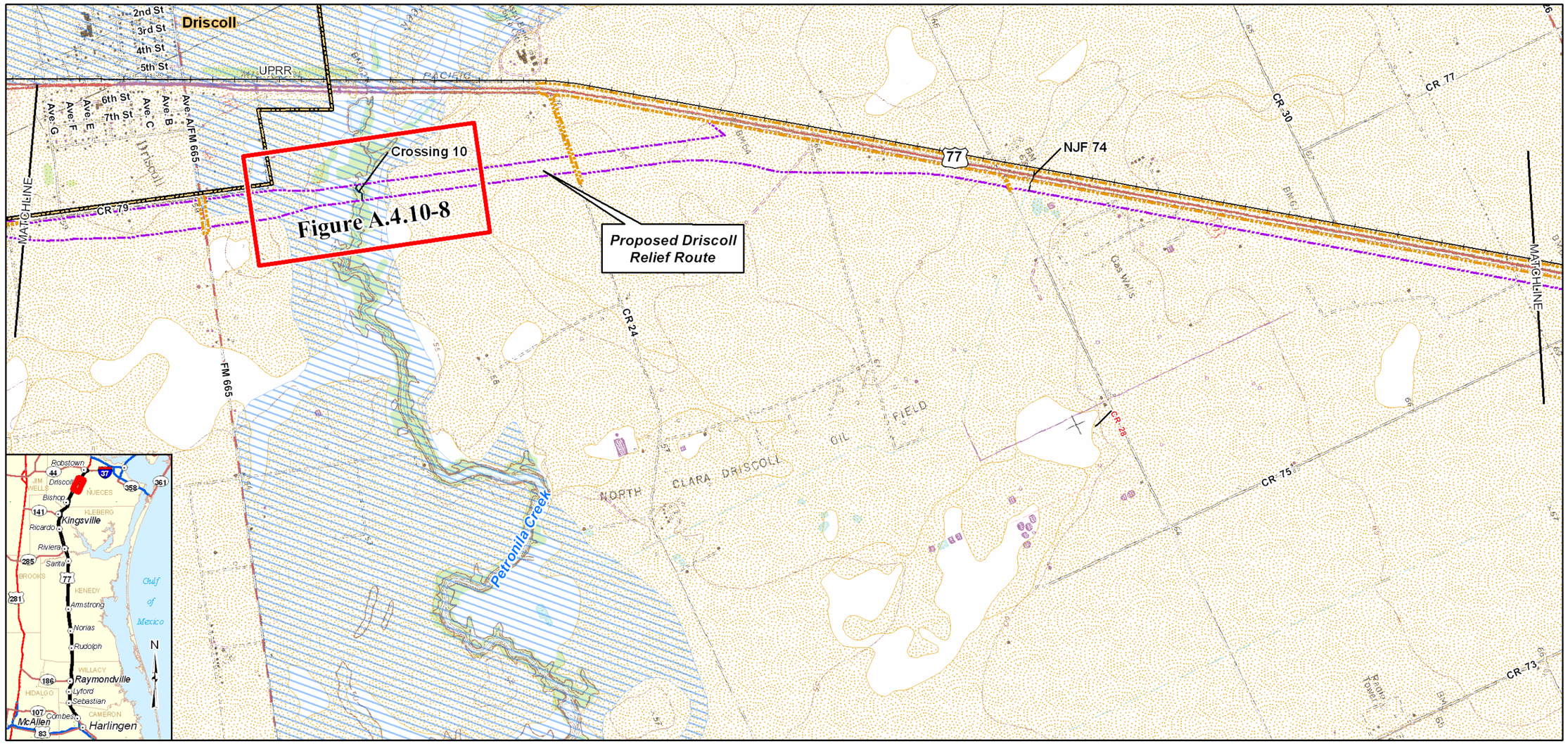
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-19

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-20 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

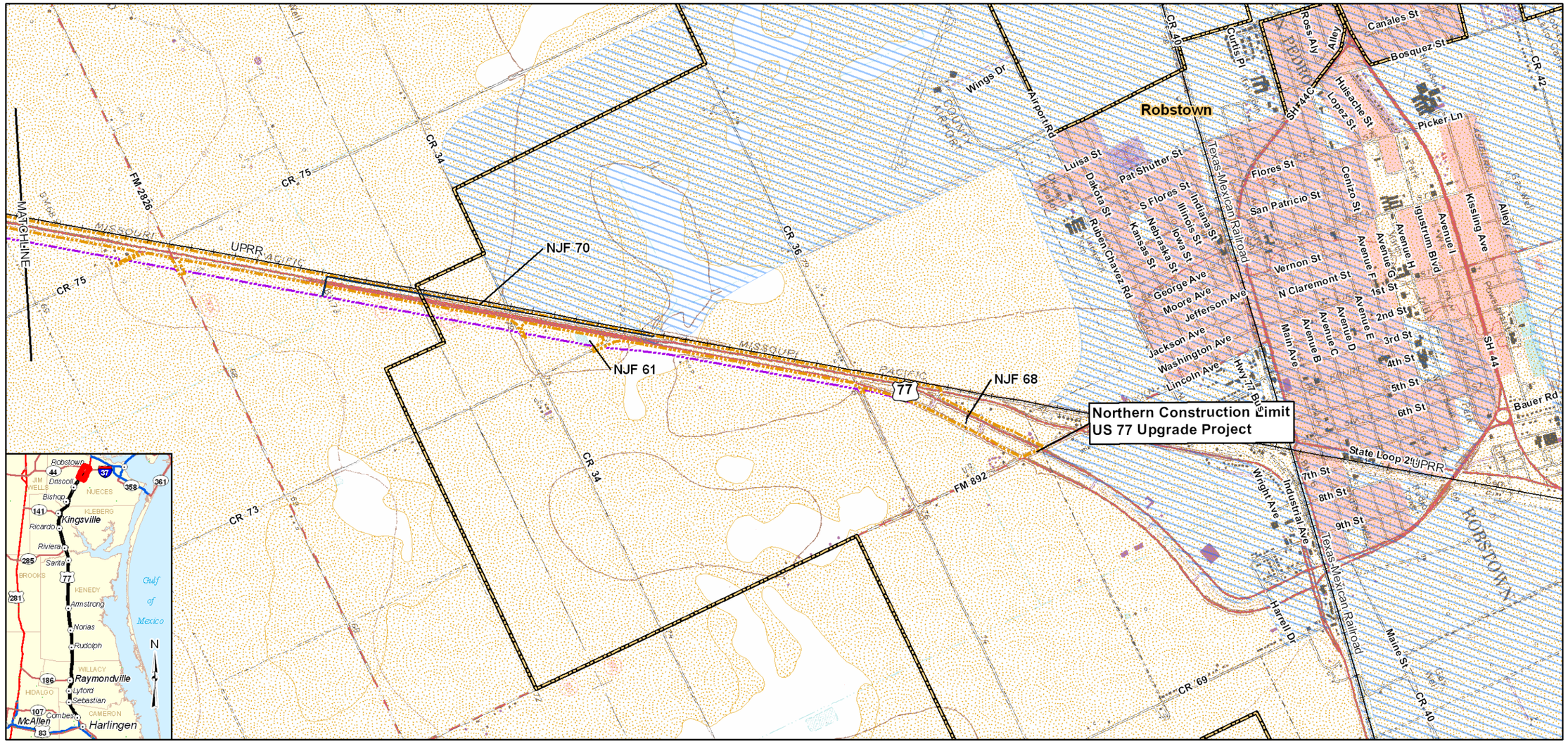
Base Map: USGS Topographic Map, 24k

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties

Figure A.4.5-20

Index Map
Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.5-21 Prime Farmland Soils, Floodplains, Waters of the U.S., and Endangered Plant Locations



Existing ROW
Proposed ROW
Prime Farmland Soils
100-Year Floodplains
Water Features
Endangered Plant Inset
Waters of the U.S. Inset
County Boundary

Scale 1:24,000
2,000 0 2,000
Feet

Base Map: USGS Topographic Map, 24k

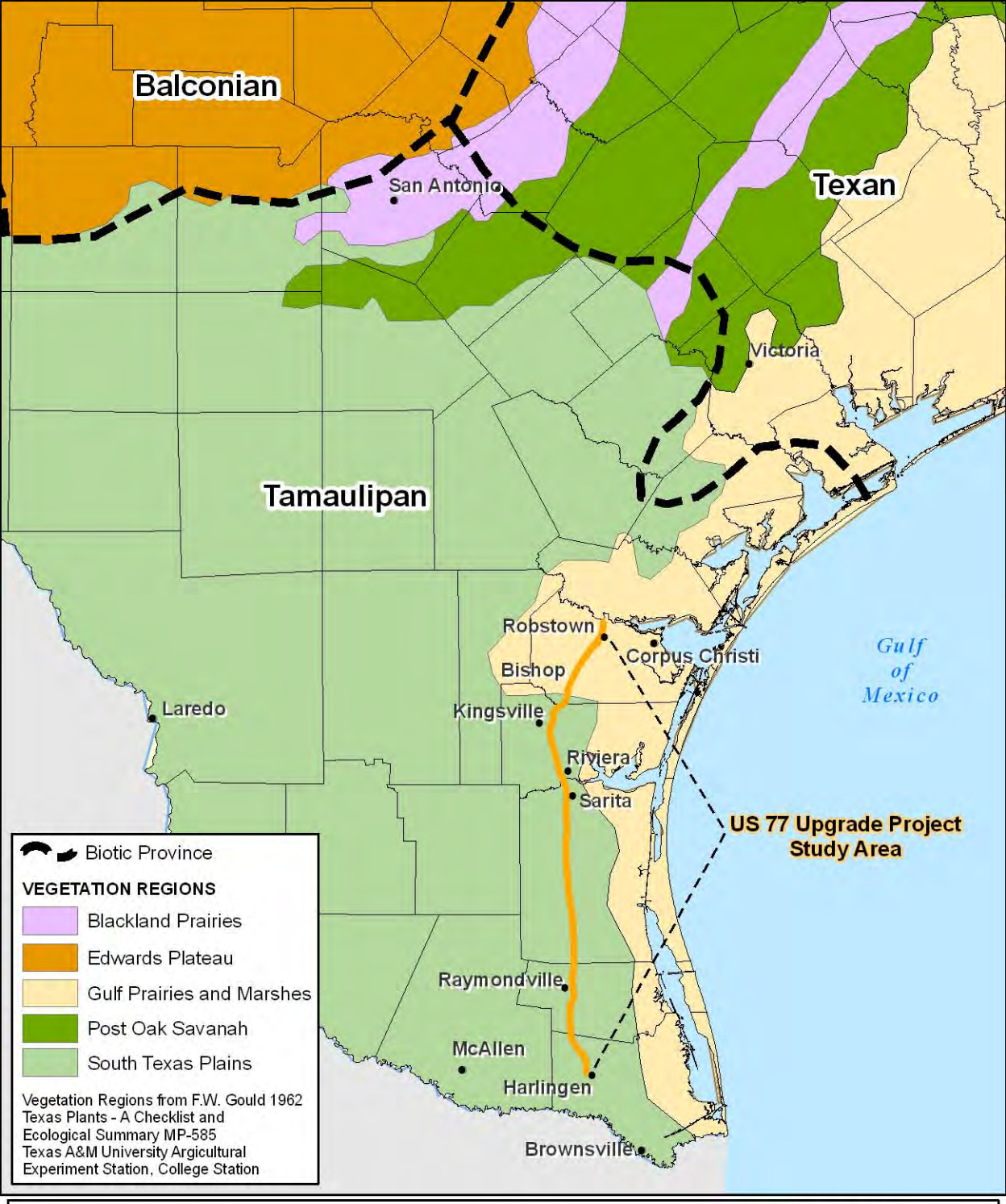
US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.5-21

Index Map
Prime Farmland Soils, Floodplains,
Waters of the U.S., and Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.6-1 Project Area in Relation to Vegetation Regions and Biotic Provinces



US 77 HIGHWAY

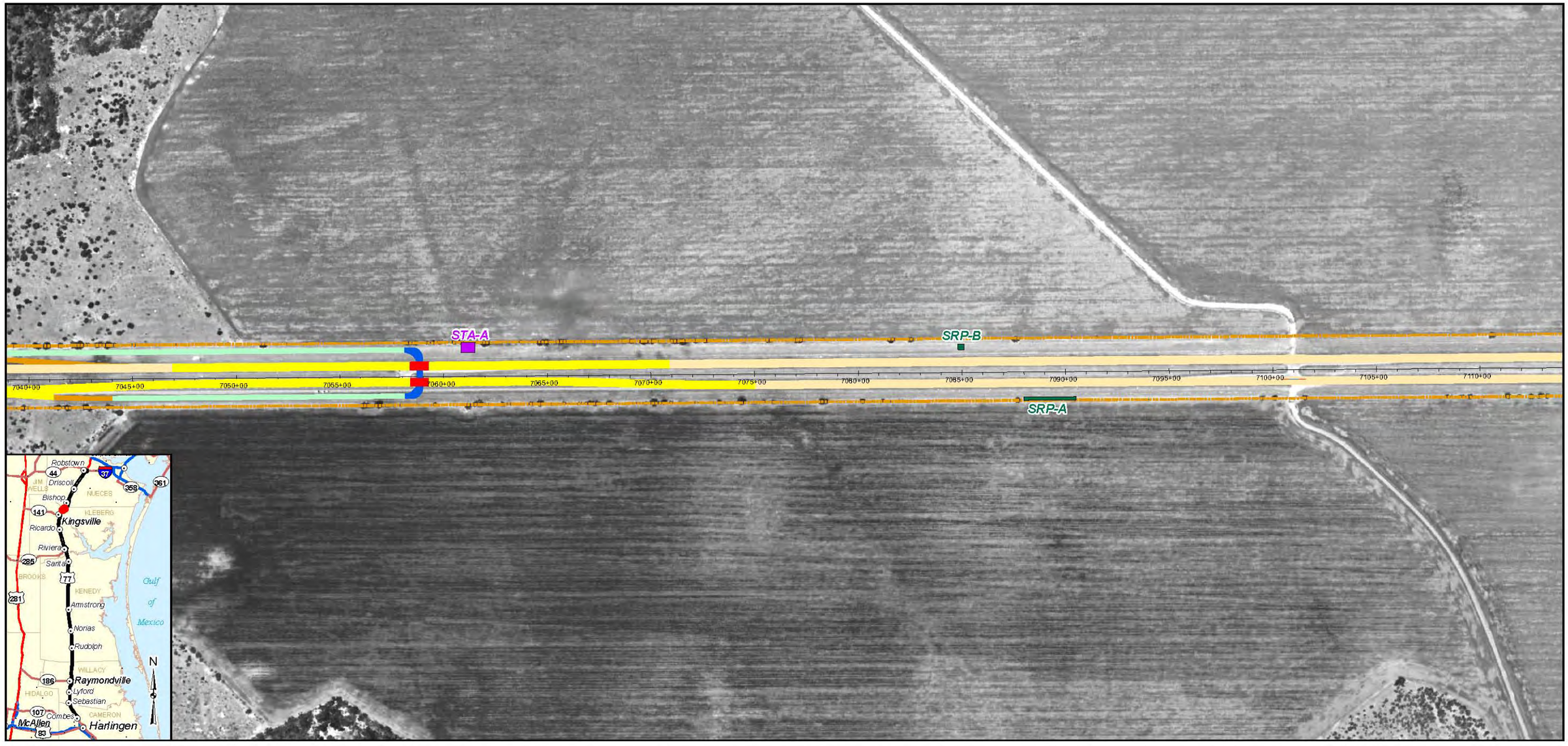
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

N
W E
S

0 12.5 25 50
Miles

Figure A.4.6-1
Project Area in
Relation to Vegetation Regions
and Biotic Provinces
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.7-1 Endangered Plant Locations



Proposed Improvements

- Existing ROW
- Proposed ROW
- Existing Roadway to Remain
- Existing Structures
- Existing Pavement to Be Removed
- Freeway Mainlanes
- Frontage Roads
- Proposed Structures
- Ramps
- Cross Streets and Driveways
- Proposed Retaining Wall

Endangered Plant Locations

- Slender Rush-pea (SRP)
- South Texas Ambrosia (STA)

Scale 1:6,000

500 0 500

Feet

Base Map: 2008 NAIP Aerial Imagery

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.7-1
Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.7-2 Endangered Plant Locations

Proposed Improvements

- Existing ROW
- Proposed ROW
- Existing Roadway to Remain
- Existing Structures
- Existing Pavement to Be Removed

Proposed Improvements

- Freeway Mainlanes
- Frontage Roads
- Proposed Structures
- Ramps
- Cross Streets and Driveways
- Proposed Retaining Wall

Endangered Plant Locations

- Slender Rush-pea (SRP)
- South Texas Ambrosia (STA)

Scale 1:6,000

500 0 500

Feet

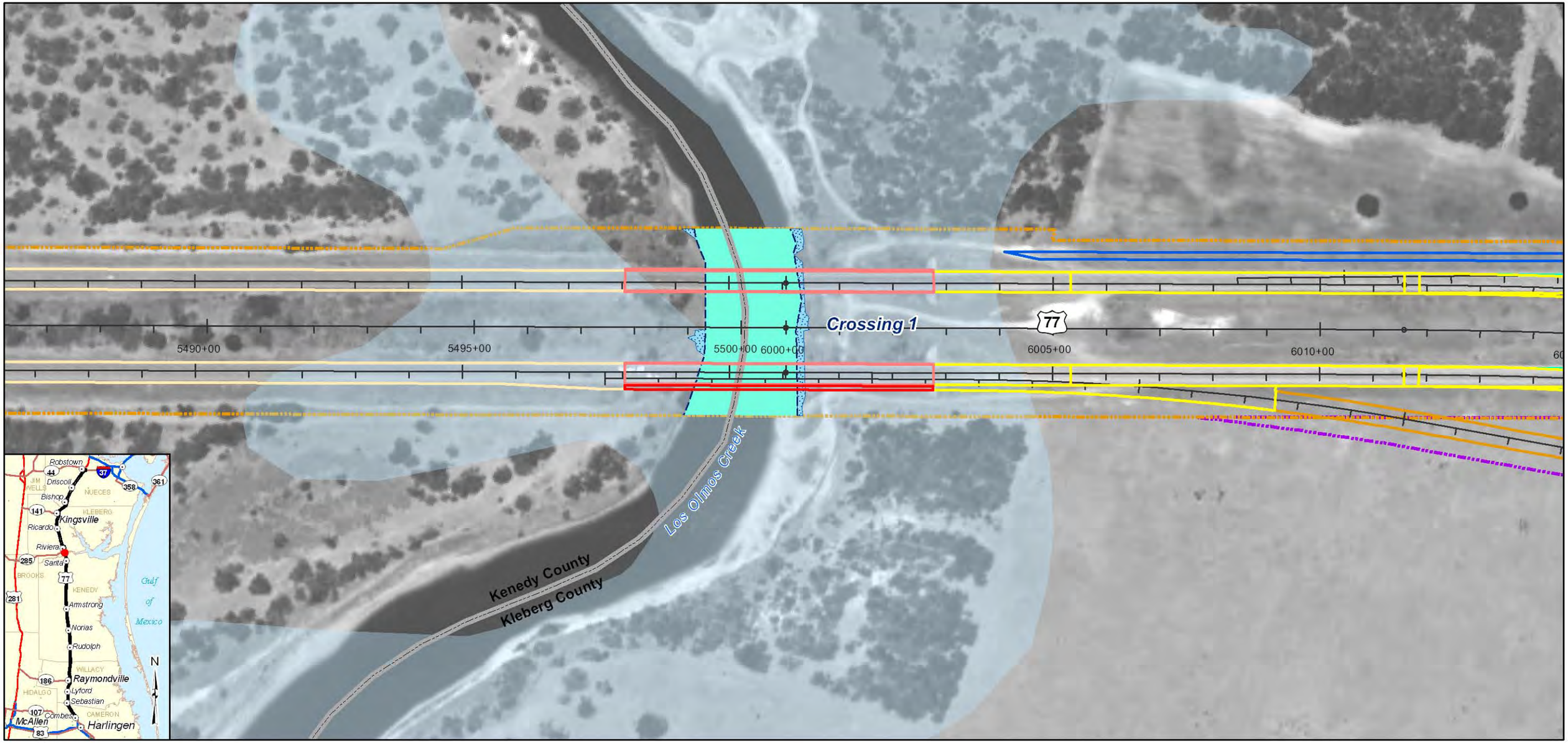
Base Map: 2008 NAIP Aerial Imagery

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.7-2
Endangered Plant Locations
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-1 Crossing 1 (Los Olmos Creek)



Existing ROW
Proposed ROW
County Boundary
Existing Roadway to Remain
Existing Structures
Existing Pavement to Be Removed

Proposed Improvements
Freeway Mainlanes
Frontage Roads
Proposed Structures
Ramps
Cross Streets and Driveways
Proposed Retaining Wall

Waters of the U.S.
Ordinary High Water Mark
100-Year Floodplain
Non-Wetland Channel
In-Stream Stock Pond
Wetland

Non-Jurisdictional Features
Isolated Stock Pond
Isolated Wetland

Scale 1:2,400
200 100 0 200
Feet

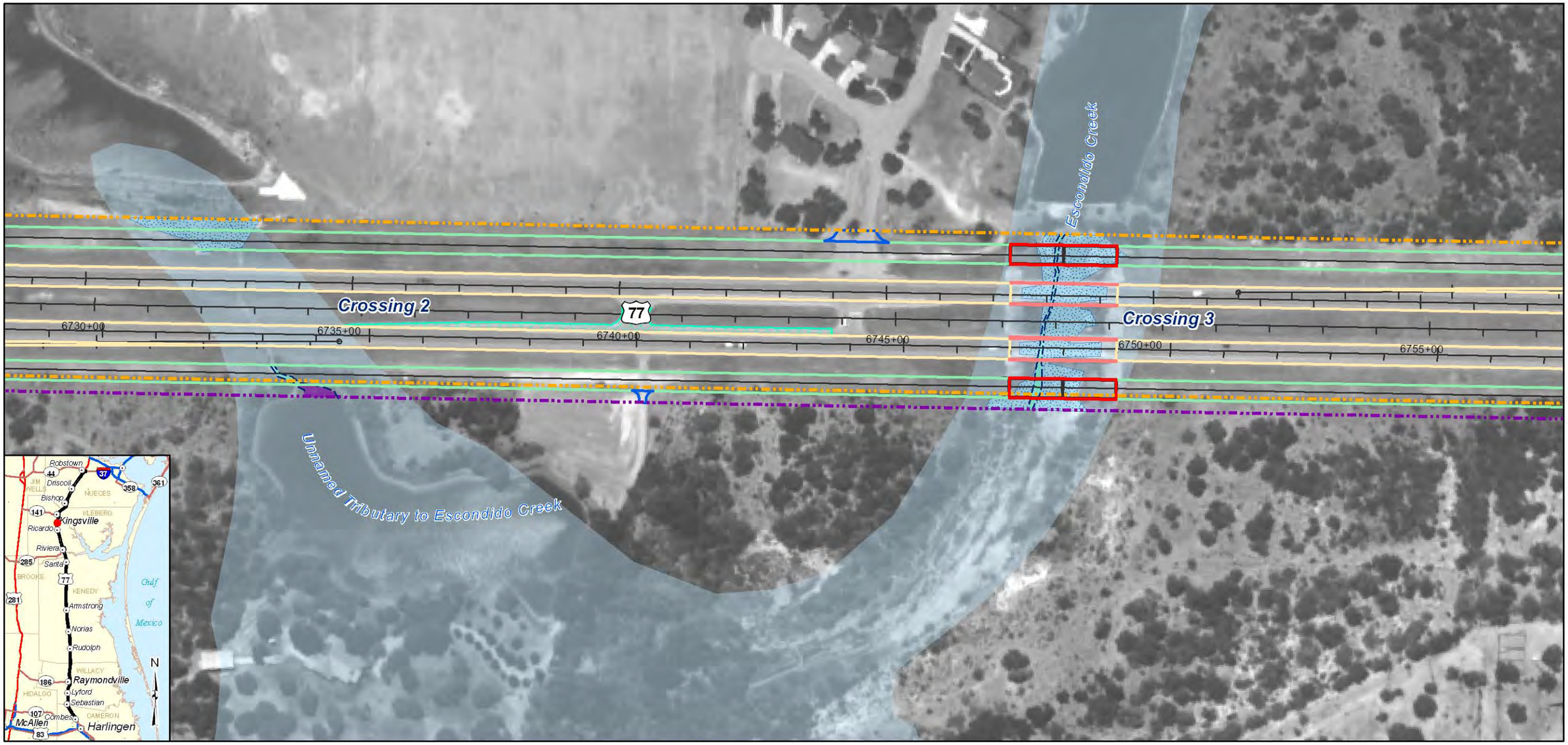
Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-1
Crossing 1 (Los Olmos Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-2 Crossing 2 (Unnamed Tributary of Escondido Creek) and Crossing 3 (Escondido Creek)



Existing ROW
Proposed ROW
County Boundary
Existing Roadway to Remain
Existing Structures
Existing Pavement to Be Removed

Proposed Improvements
Freeway Mainlanes
Frontage Roads
Proposed Structures
Ramps
Cross Streets and Driveways
Proposed Retaining Wall

Waters of the U.S.
Ordinary High Water Mark
100-Year Floodplain
Non-Wetland Channel
In-Stream Stock Pond
Wetland

Non-Jurisdictional Features
Isolated Stock Pond
Isolated Wetland

Scale 1:2,400
200 100 0 200
Feet

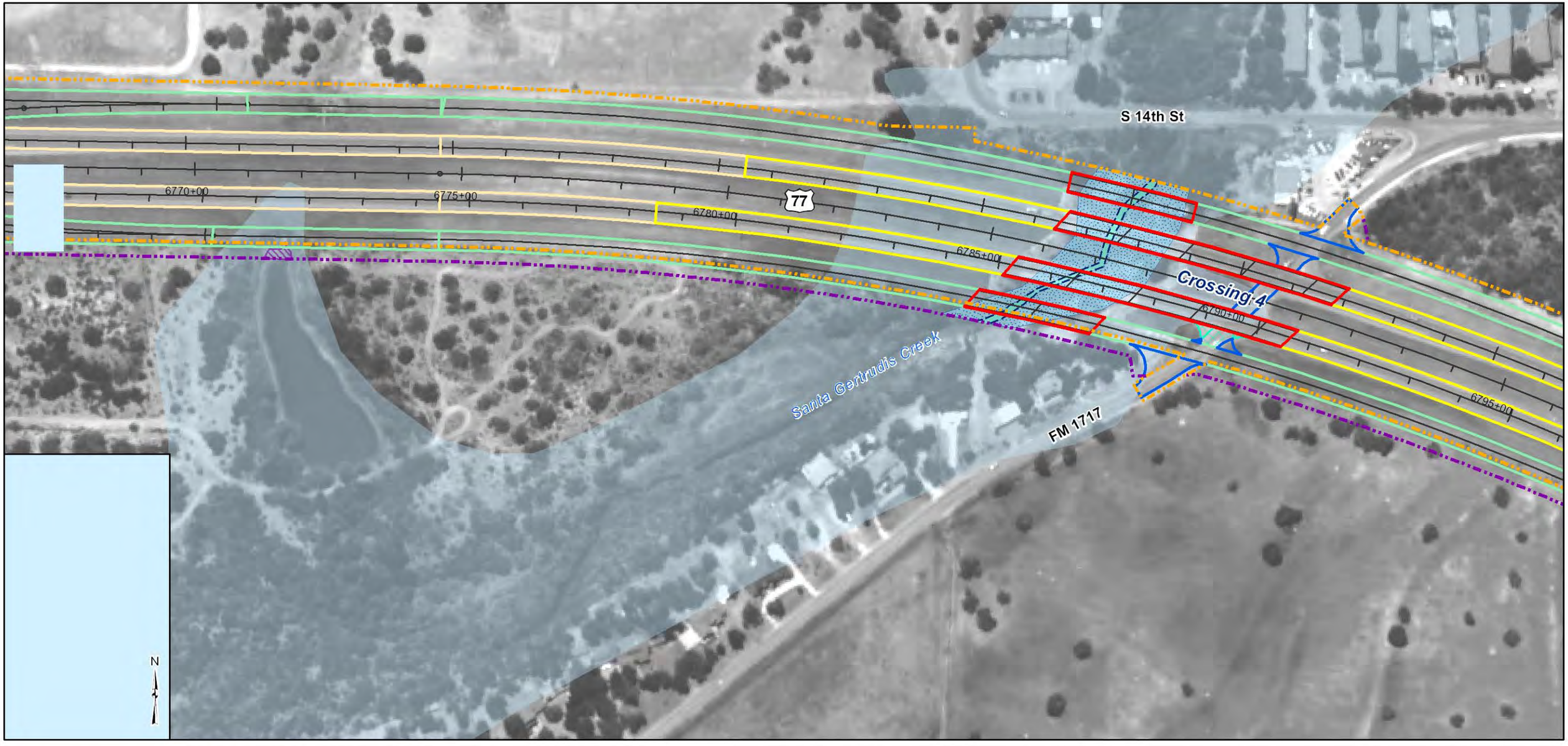
Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-2
Crossing 2 (Unnamed Tributary of Escondido Creek) and Crossing 3 (Escondido Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-3 Crossing 4 (Santa Gertrudis Creek)



Existing ROW
Proposed ROW
County Boundary
Existing Roadway to Remain
Existing Structures
Existing Pavement to Be Removed

Proposed Improvements
Freeway Mainlanes
Frontage Roads
Proposed Structures
Ramps
Cross Streets and Driveways
Proposed Retaining Wall

Waters of the U.S.
Ordinary High Water Mark
100-Year Floodplain
Non-Wetland Channel
In-Stream Stock Pond
Wetland

Non-Jurisdictional Features
Isolated Stock Pond
Isolated Wetland

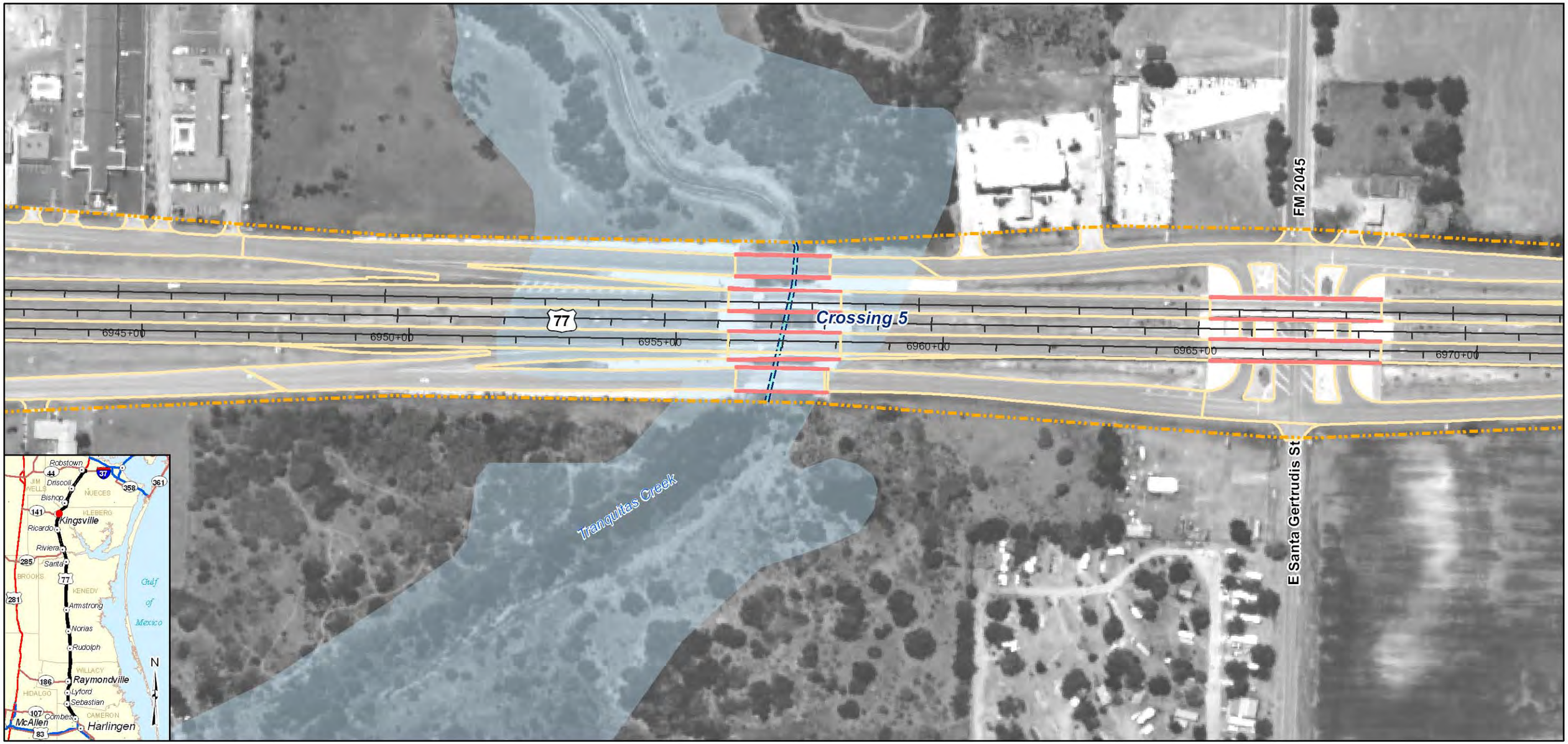
Scale 1:2,400
200 100 0 200
Feet

Base Map: NAIP Imagery 2008

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-3
Crossing 4 (Santa Gertrudis Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-4 Crossing 5 (Tranquitas Creek)



Existing ROW
Proposed ROW
County Boundary
Existing Roadway to Remain
Existing Structures
Existing Pavement to Be Removed

Proposed Improvements
Freeway Mainlanes
Frontage Roads
Proposed Structures
Ramps
Cross Streets and Driveways
Proposed Retaining Wall

Waters of the U.S.
Ordinary High Water Mark
100-Year Floodplain
Non-Wetland Channel
In-Stream Stock Pond
Wetland

Non-Jurisdictional Features
Isolated Stock Pond
Isolated Wetland

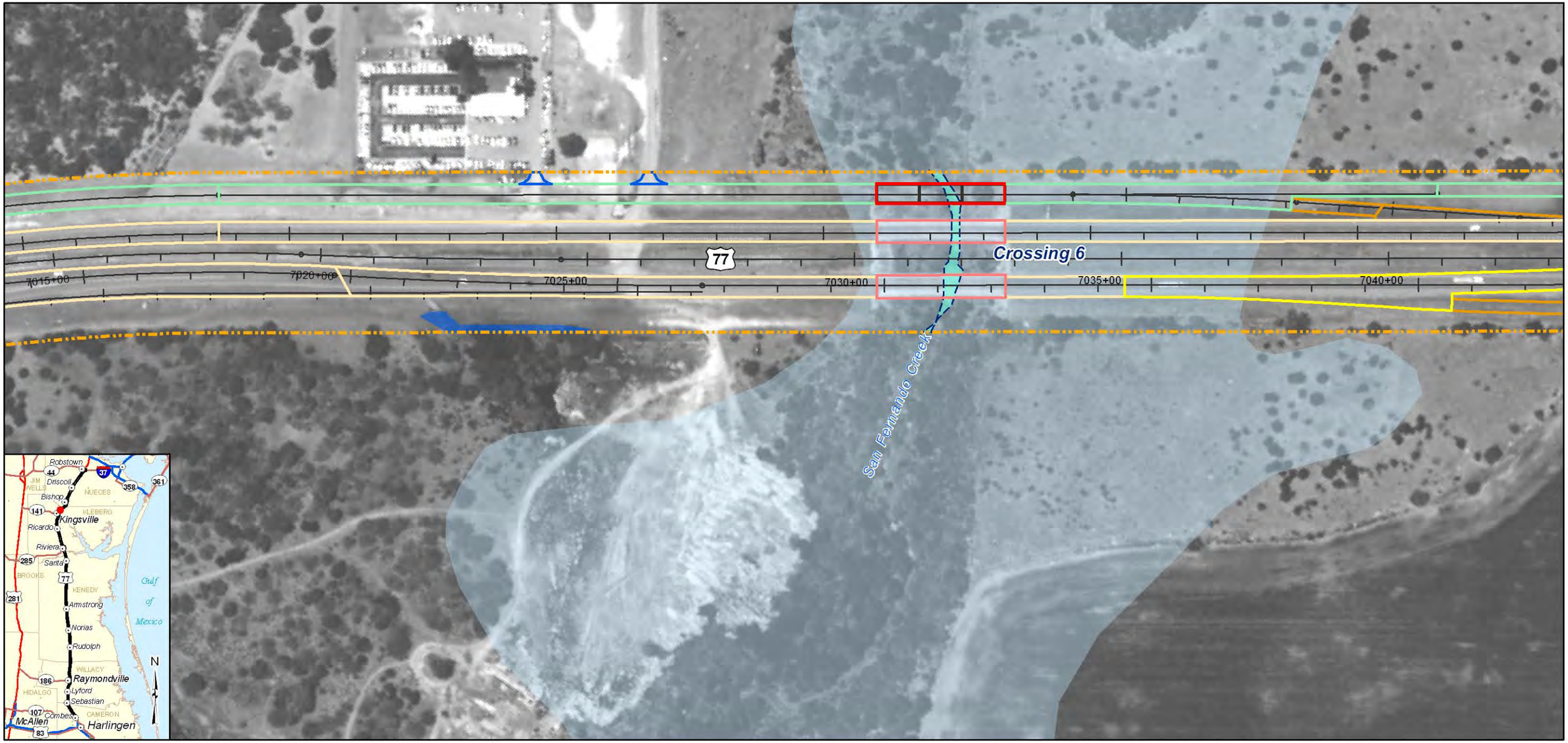
Scale 1:2,400
200 100 0 200
Feet

Base Map: NAIP Imagery 2008

US 77 HIGHWAY
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-4
Crossing 5 (Tranquitas Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-5 Crossing 6 (San Fernando Creek)



Existing ROW
Proposed ROW
County Boundary
Existing Roadway to Remain
Existing Structures
Existing Pavement to Be Removed

Proposed Improvements
Freeway Mainlanes
Frontage Roads
Proposed Structures
Ramps
Cross Streets and Driveways
Proposed Retaining Wall

Waters of the U.S.
Ordinary High Water Mark
100-Year Floodplain
Non-Wetland Channel
In-Stream Stock Pond
Wetland

Non-Jurisdictional Features
Isolated Stock Pond
Isolated Wetland

Scale 1:2,400
200 100 0 200
Feet

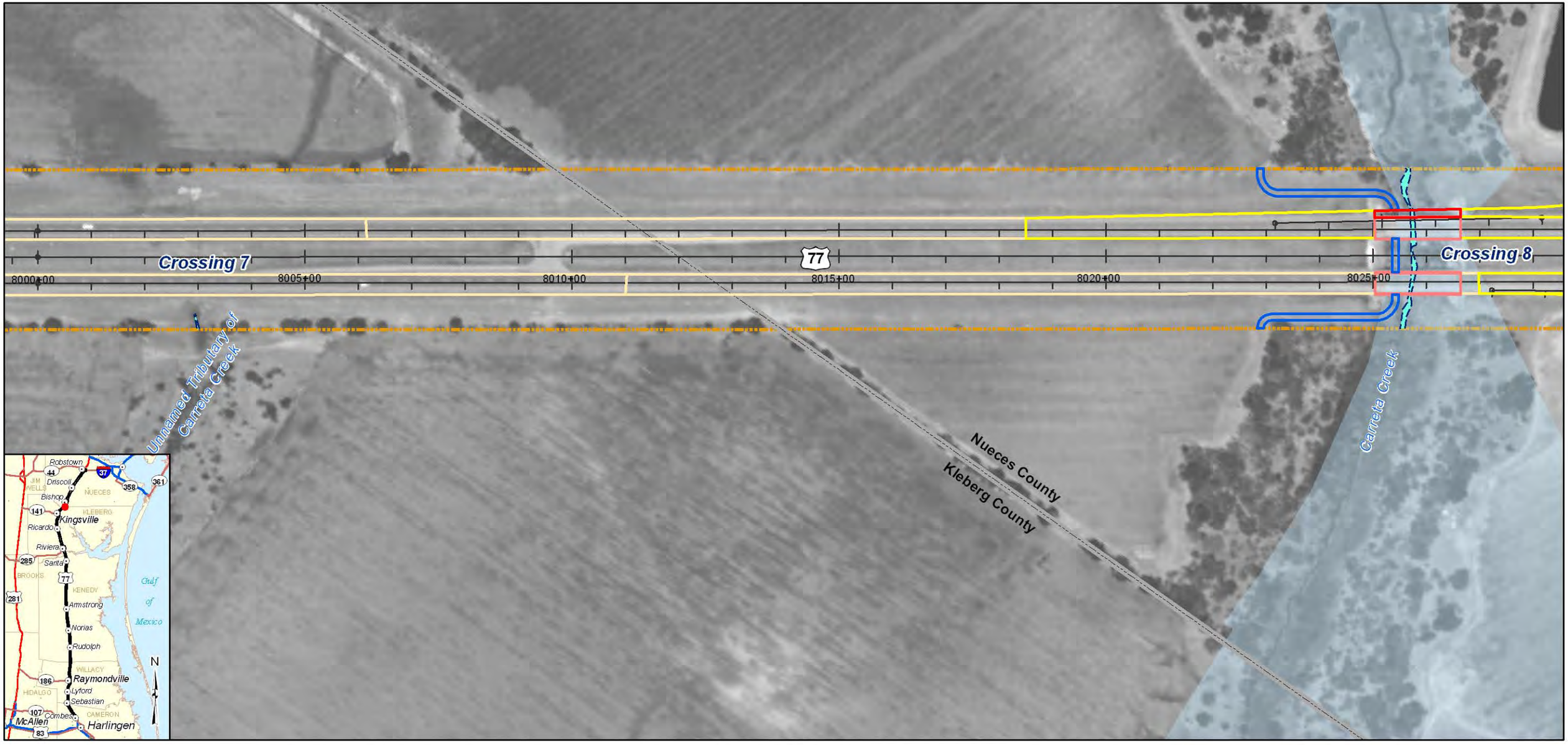
Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-5
Crossing 6 (San Fernando Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-6 Crossing 7 (Unnamed Tributary of Carreta Creek) and Crossing 8 (Carreta Creek)



- Existing ROW
- Proposed ROW
- County Boundary
- Existing Roadway to Remain
- Existing Structures
- Existing Pavement to Be Removed

Proposed Improvements

- Freeway Mainlanes
- Frontage Roads
- Proposed Structures
- Ramps
- Cross Streets and Driveways
- Proposed Retaining Wall

Waters of the U.S.

- Ordinary High Water Mark
- 100-Year Floodplain
- Non-Wetland Channel
- In-Stream Stock Pond
- Wetland

Non-Jurisdictional Features

- Isolated Stock Pond
- Isolated Wetland

Scale 1:2,400

200 100 0 200

Feet

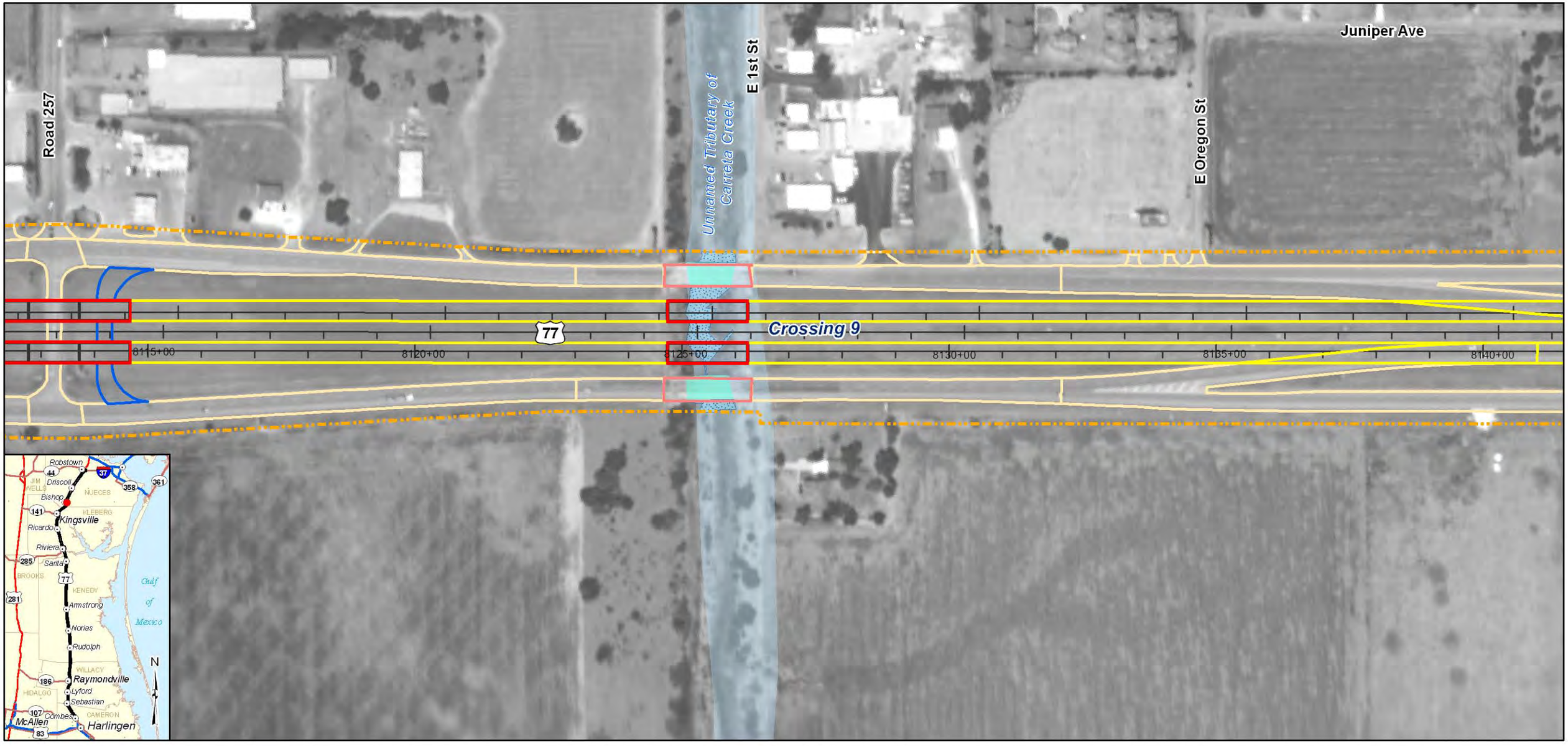
Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-6
Crossing 7 (Unnamed Tributary of Carreta Creek) and Crossing 8 (Carreta Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-7 Crossing 9 (Unnamed Tributary of Carreta Creek)



- Existing ROW
- Proposed ROW
- County Boundary
- Existing Roadway to Remain
- Existing Structures
- Existing Pavement to Be Removed

Proposed Improvements

- Freeway Mainlanes
- Frontage Roads
- Proposed Structures
- Ramps
- Cross Streets and Driveways
- Proposed Retaining Wall

Waters of the U.S.

- Ordinary High Water Mark
- 100-Year Floodplain
- Non-Wetland Channel
- In-Stream Stock Pond
- Wetland

Non-Jurisdictional Features

- Isolated Stock Pond
- Isolated Wetland

Scale 1:2,400

200 100 0 200

Feet

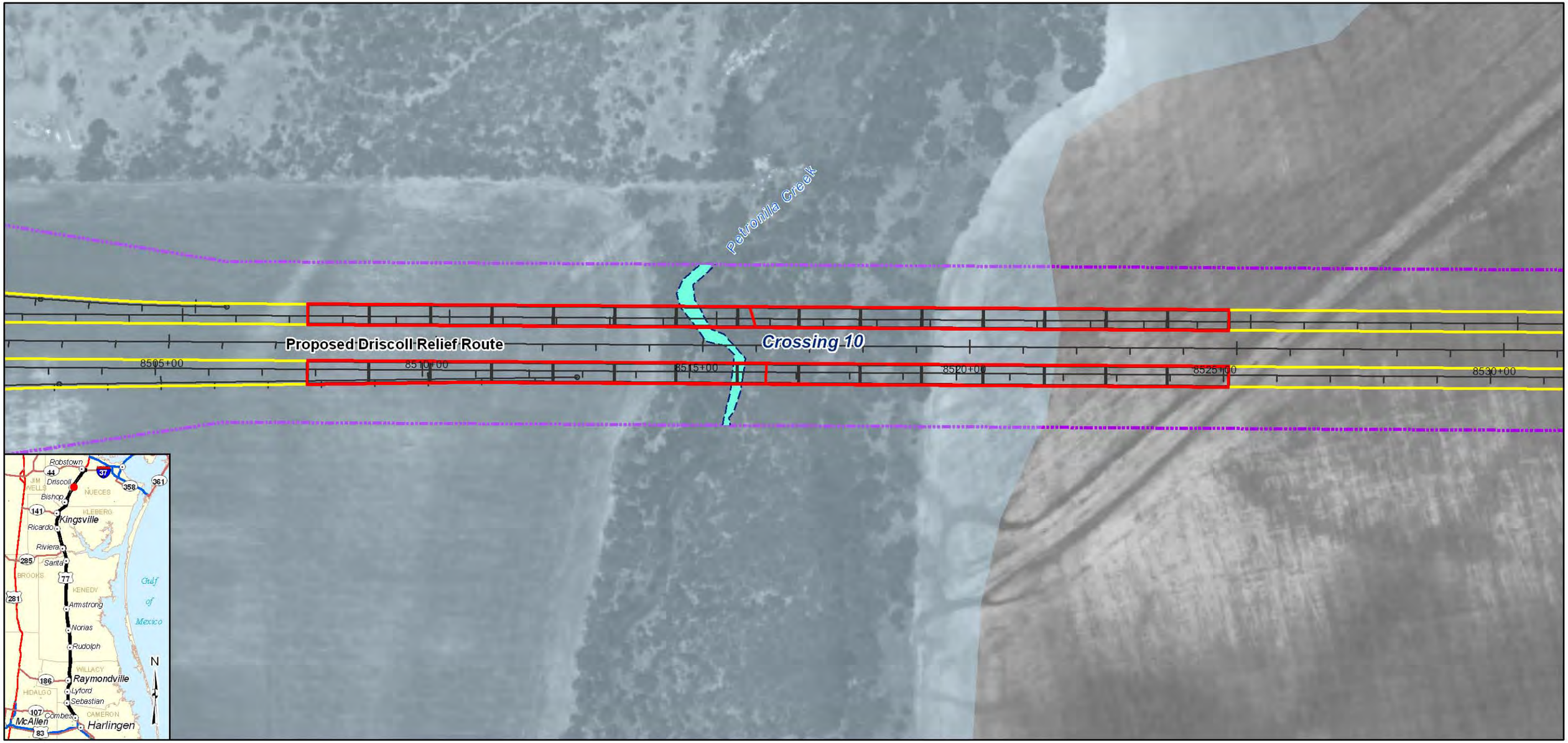
Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-7
Crossing 9 (Unnamed Tributary of Carreta Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-8 Crossing 10 (Petronila Creek)



- Existing ROW
- Proposed ROW
- County Boundary
- Existing Roadway to Remain
- Existing Structures
- Existing Pavement to Be Removed

Proposed Improvements

- Freeway Mainlanes
- Frontage Roads
- Proposed Structures
- Ramps
- Cross Streets and Driveways
- Proposed Retaining Wall

Waters of the U.S.

- Ordinary High Water Mark
- 100-Year Floodplain
- Non-Wetland Channel
- In-Stream Stock Pond
- Wetland

Non-Jurisdictional Features

- Isolated Stock Pond
- Isolated Wetland

Scale 1:2,400

200 100 0 200

Feet

Base Map: NAIP Imagery 2008

US 77 HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.10-8
Crossing 10 (Petronila Creek)
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.10-9 Water Quality Segments and Coastal Barrier Resources

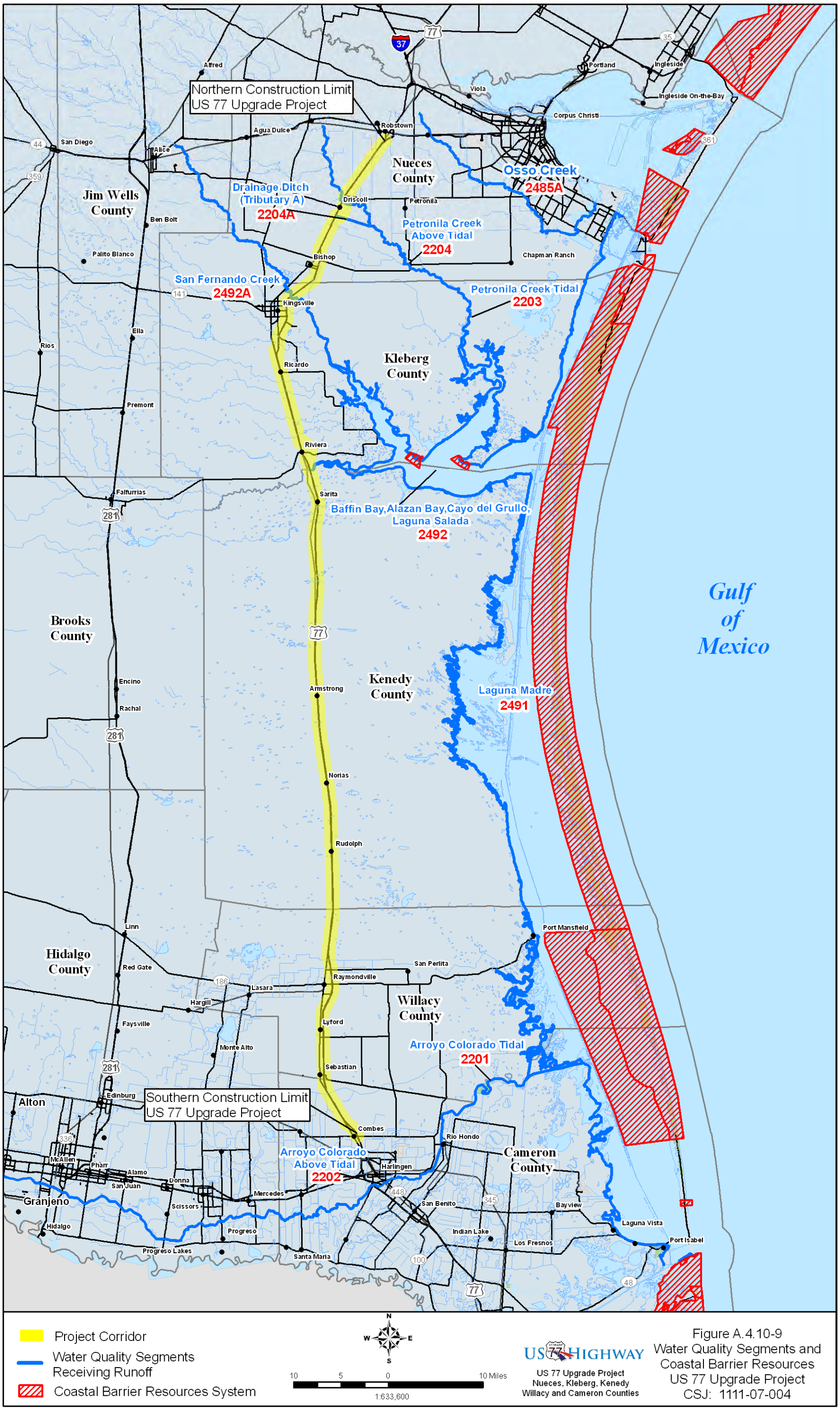


Figure A.4.10-9
Water Quality Segments and
Coastal Barrier Resources
US 77 Upgrade Project
CSJ: 1111-07-004

Figure A.4.12-1 Noise Receivers and Proposed Barrier Nueces County, TX

US 77 UPGRADE HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-1 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-2 Noise Receivers and Proposed Barrier Nueces County, TX

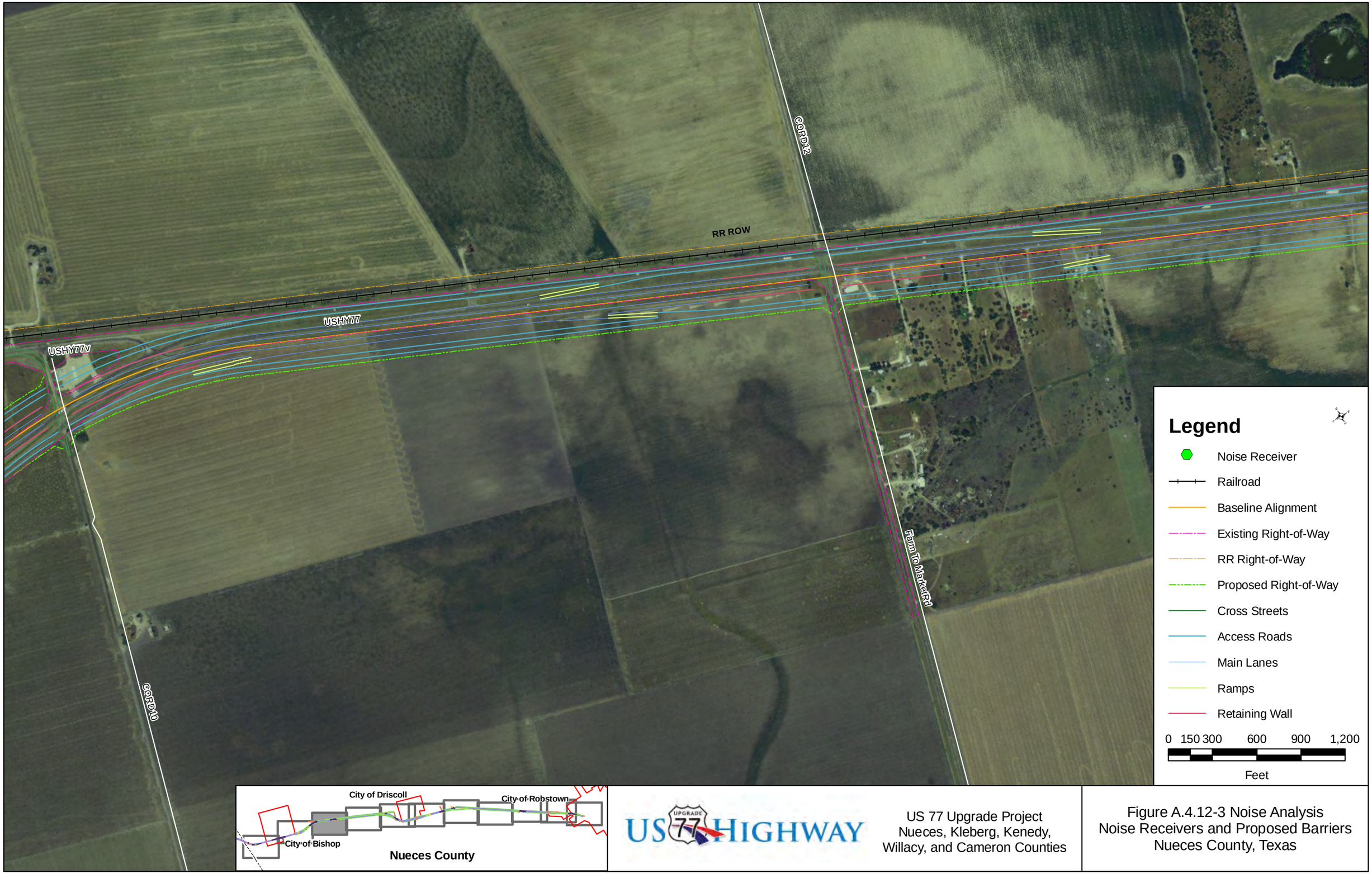
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-2 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-3 Noise Receivers and Proposed Barrier Nueces County, TX



US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-3 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-4 Noise Receivers and Proposed Barrier Nueces County, TX

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-4 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-5 Noise Receivers and Proposed Barrier Nueces County, TX

US HIGHWAY 77 UPGRADE

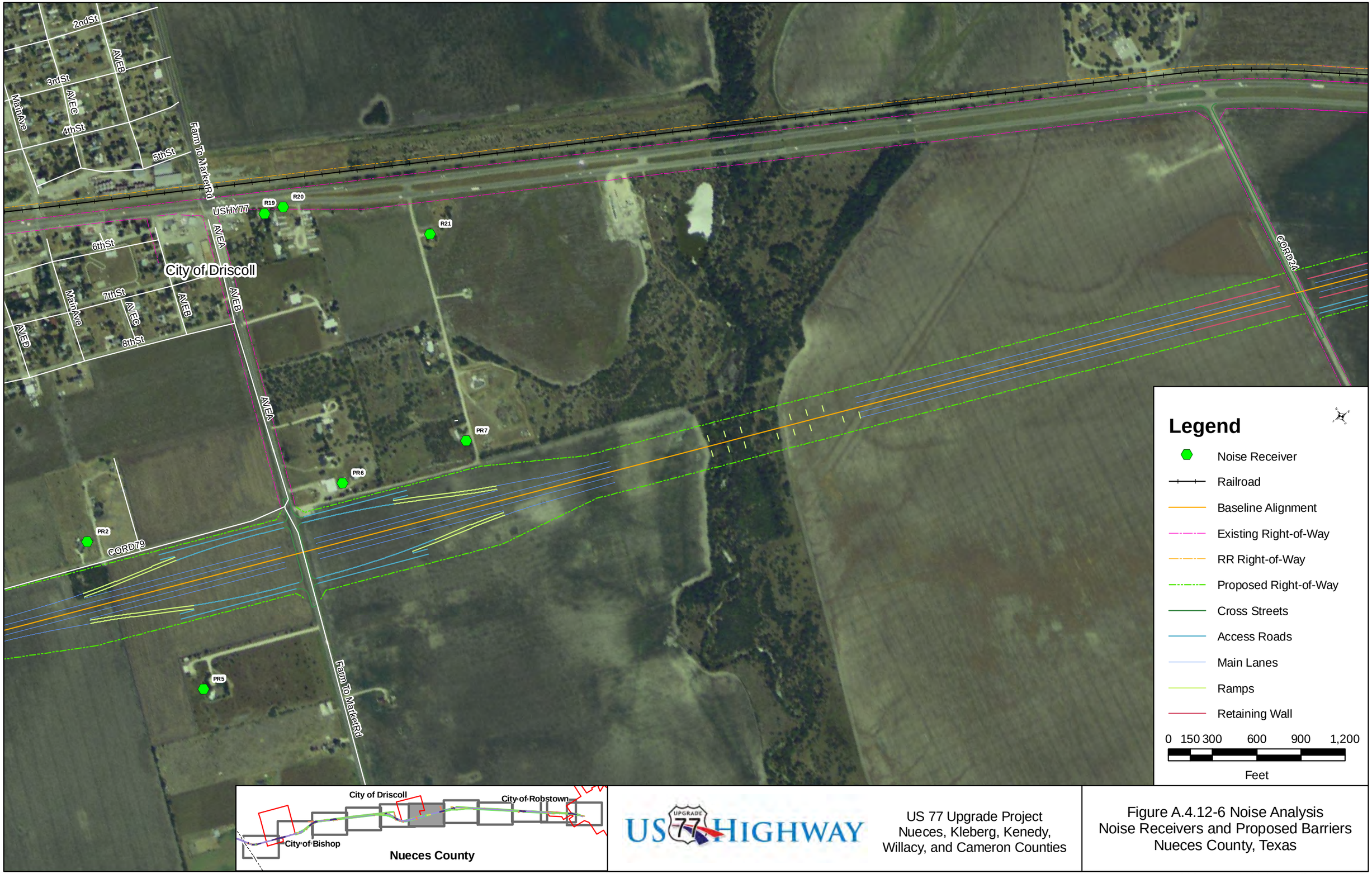
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-5 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-6 Noise Receivers and Proposed Barrier Nueces County, TX



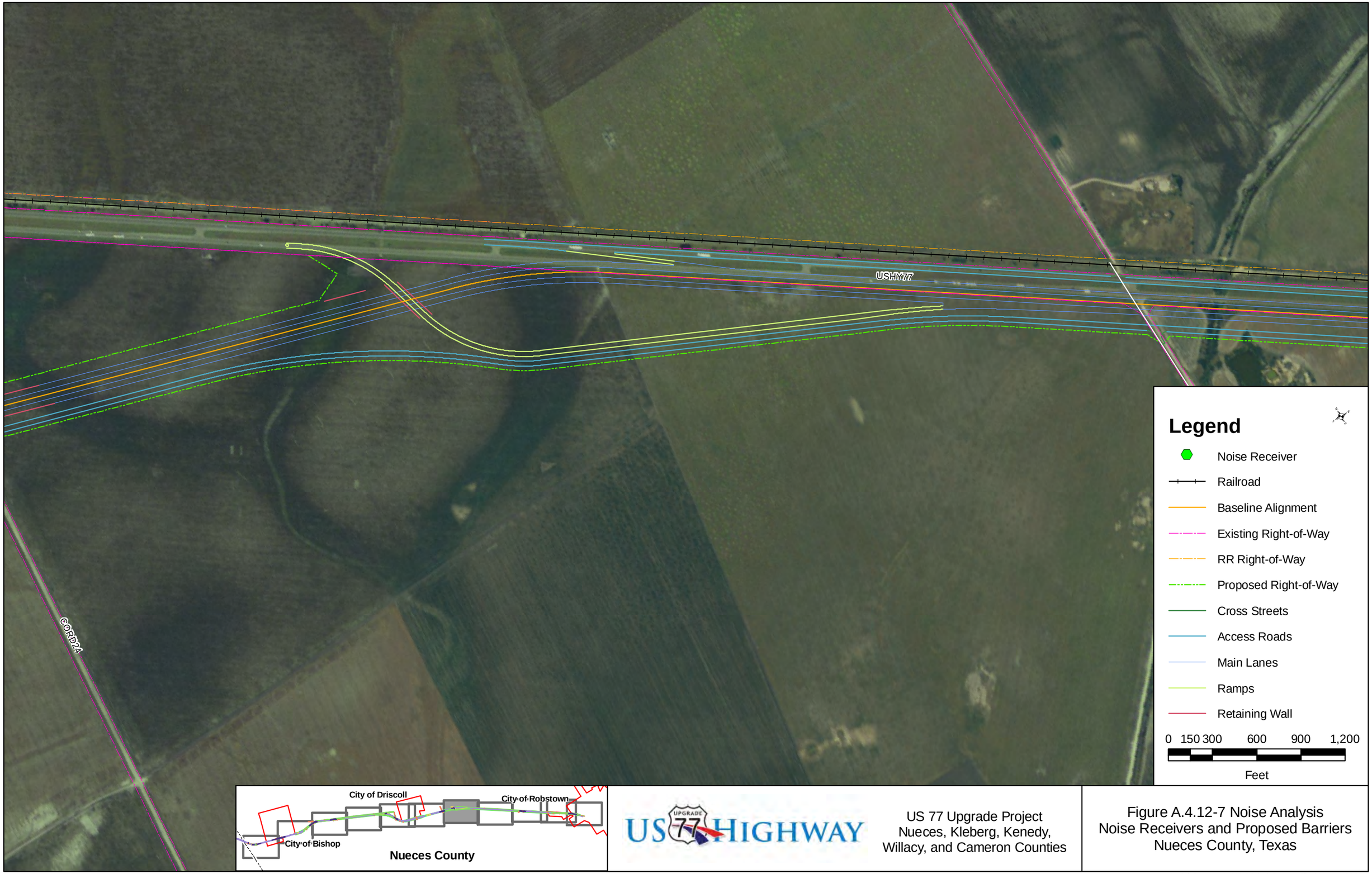
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-6 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-7 Noise Receivers and Proposed Barrier Nueces County, TX



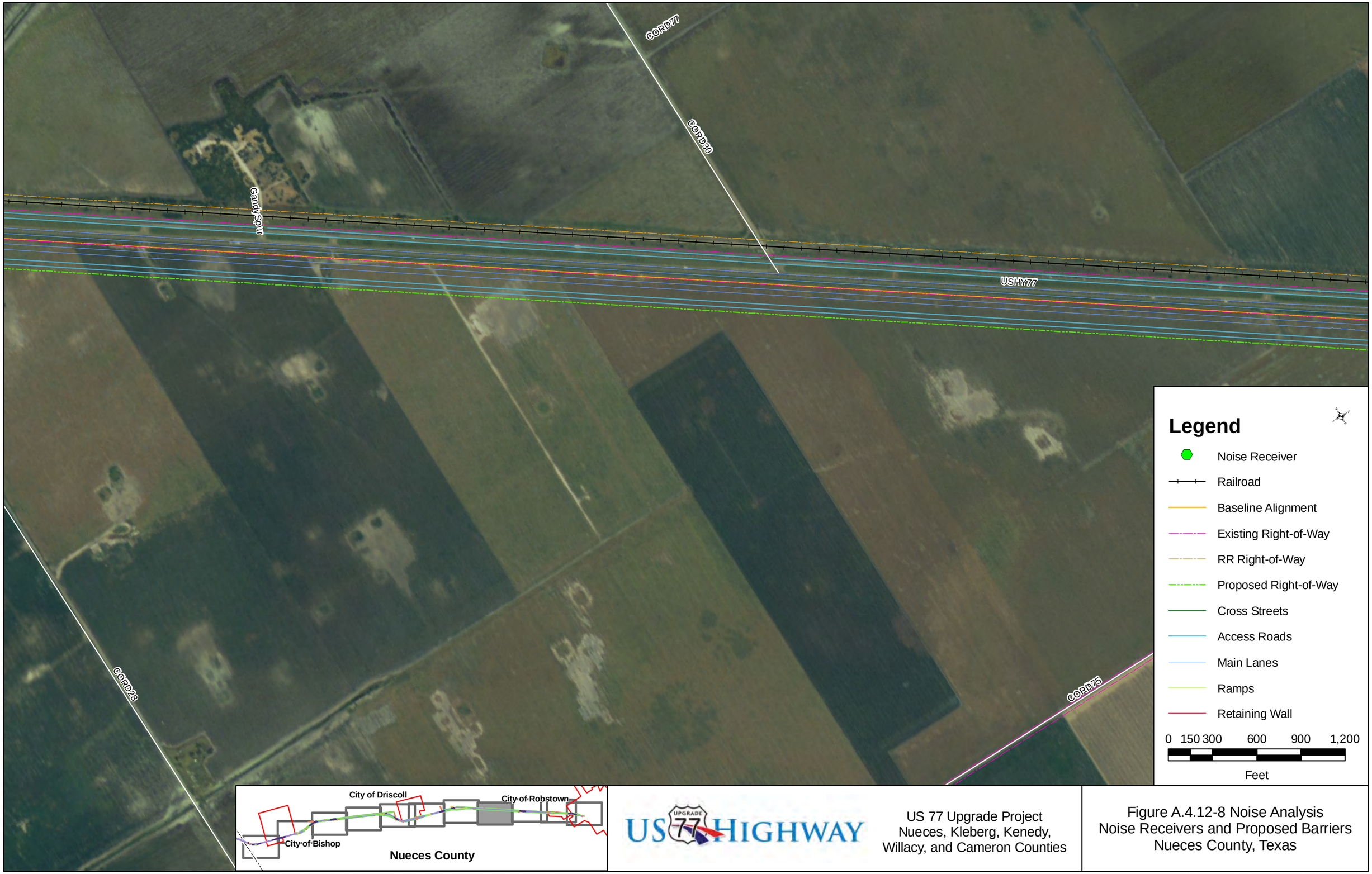
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-7 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-8 Noise Receivers and Proposed Barrier Nueces County, TX



US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-8 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-9 Noise Receivers and Proposed Barrier Nueces County, TX

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-9 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-10 Noise Receivers and Proposed Barrier Nueces County, TX

US HIGHWAY 77 UPGRADE

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-10 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-11 Noise Receivers and Proposed Barrier Nueces County, TX

US HIGHWAY 77 UPGRADE

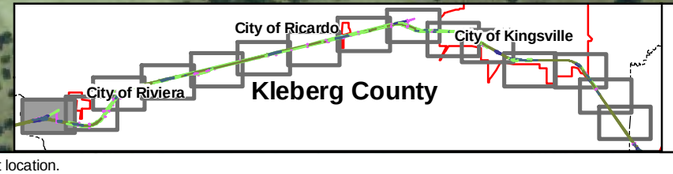
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-11 Noise Analysis
Noise Receivers and Proposed Barriers
Nueces County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-12 Noise Receivers and Proposed Barrier Kleberg County, TX



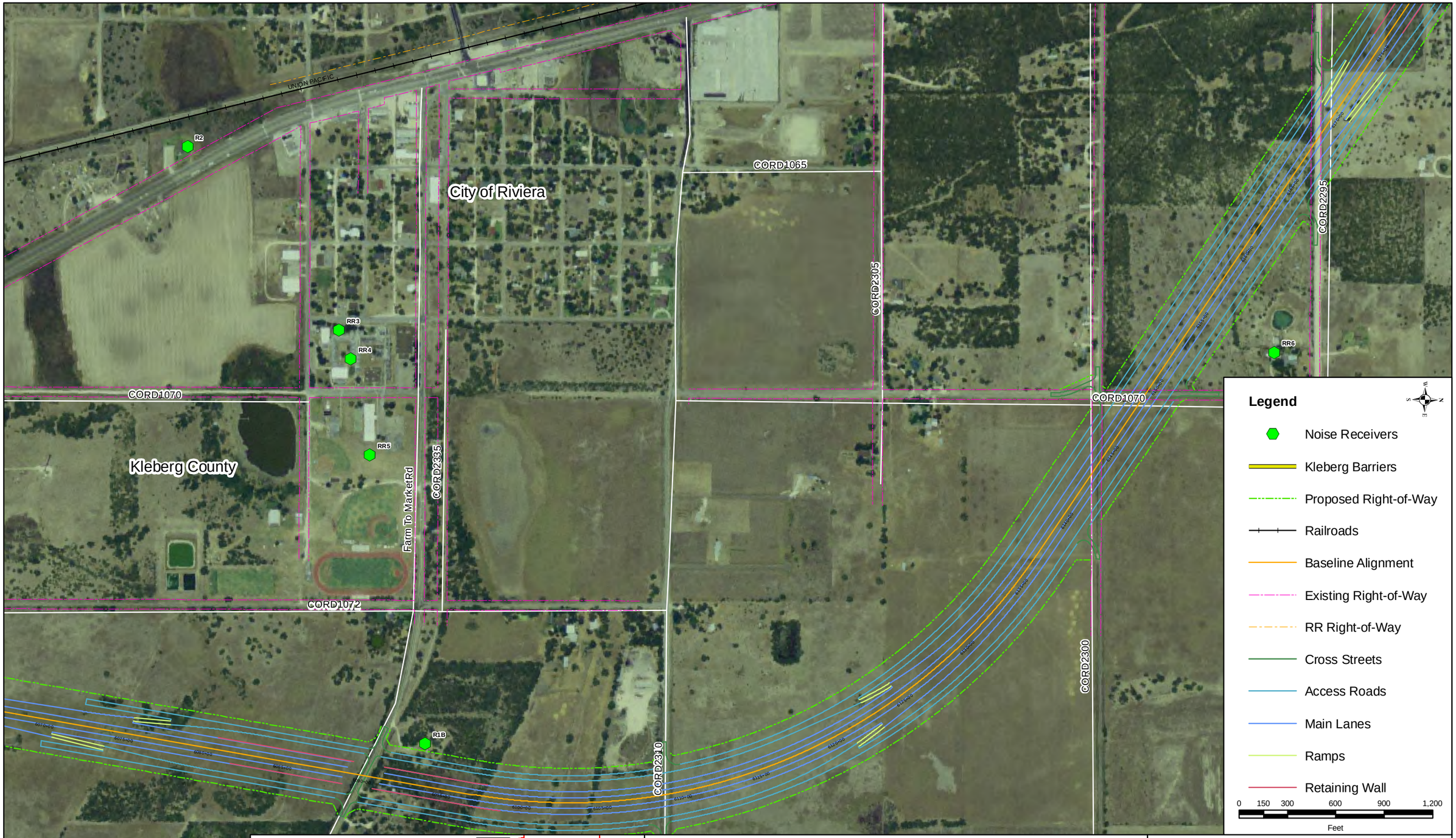
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-12 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-13 Noise Receivers and Proposed Barrier Kleberg County, TX



US 77 UPGRADE HIGHWAY

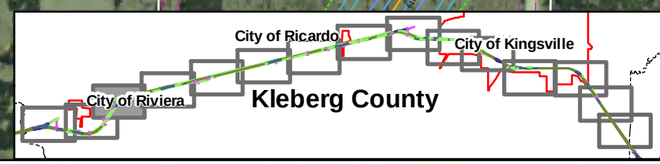
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-13 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-14 Noise Receivers and Proposed Barrier Kleberg County, TX



US 77 UPGRADE HIGHWAY

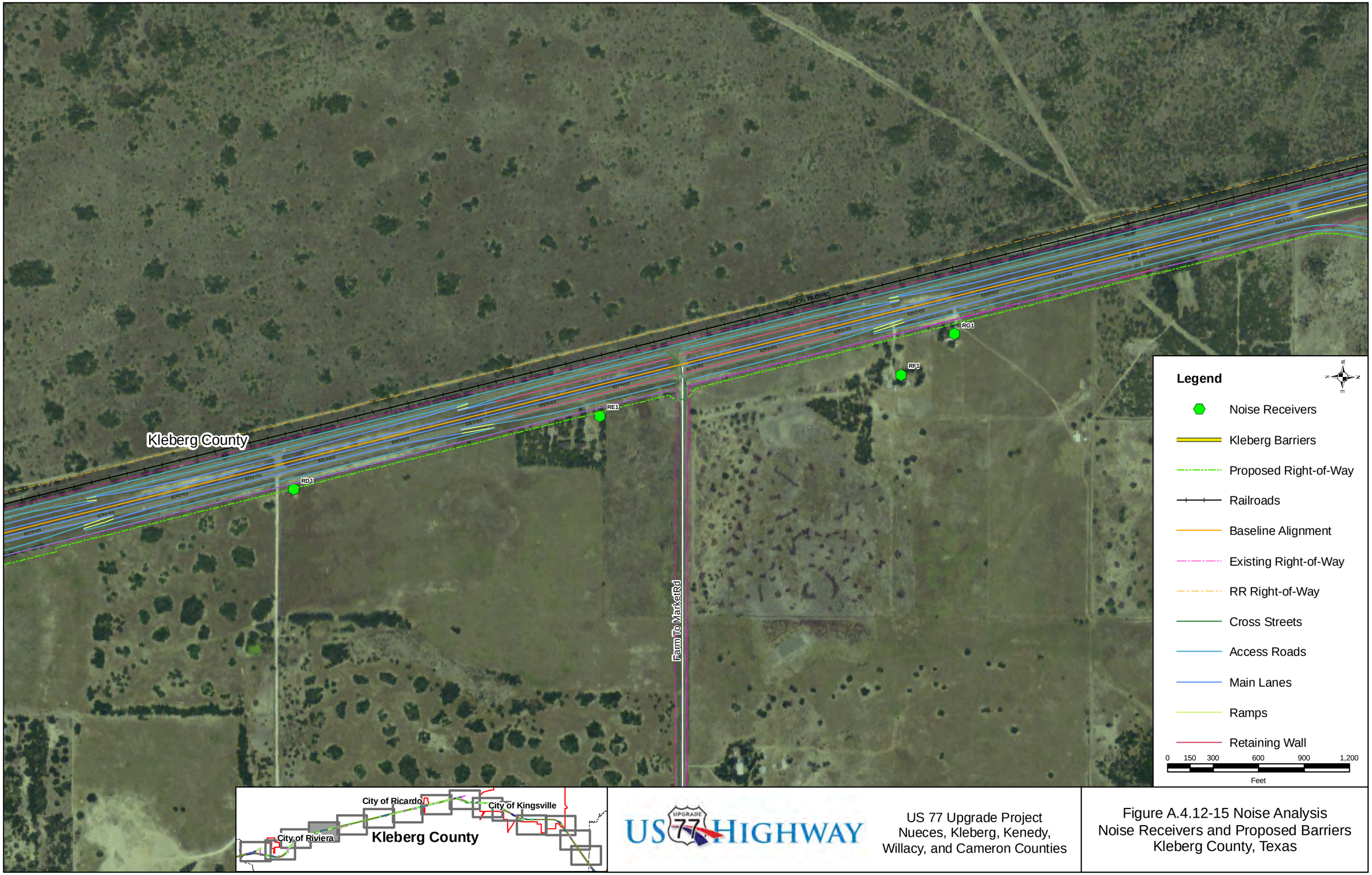
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-14 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-15 Noise Receivers and Proposed Barrier Kleberg County, TX



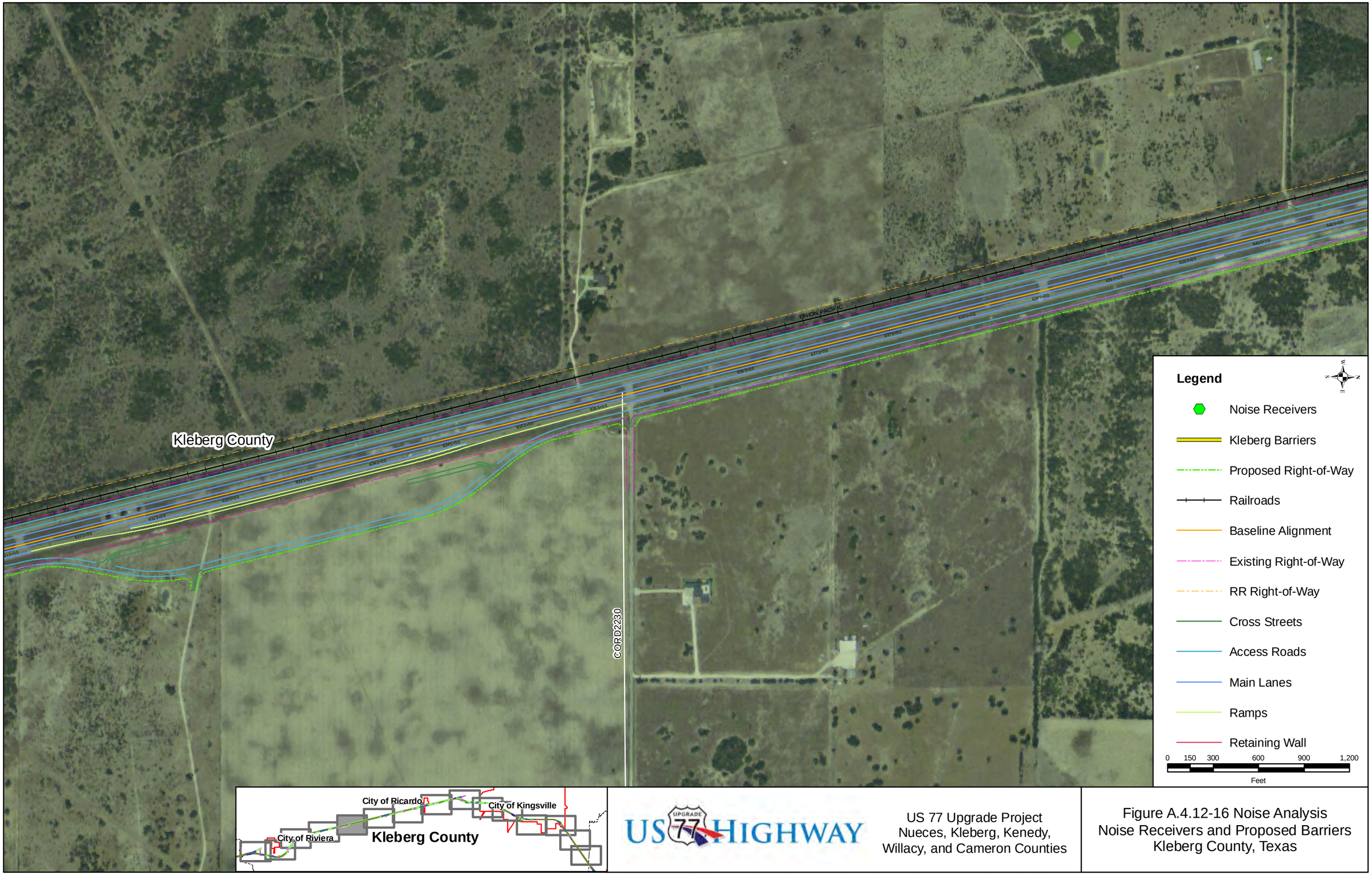
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-15 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-16 Noise Receivers and Proposed Barrier Kleberg County, TX



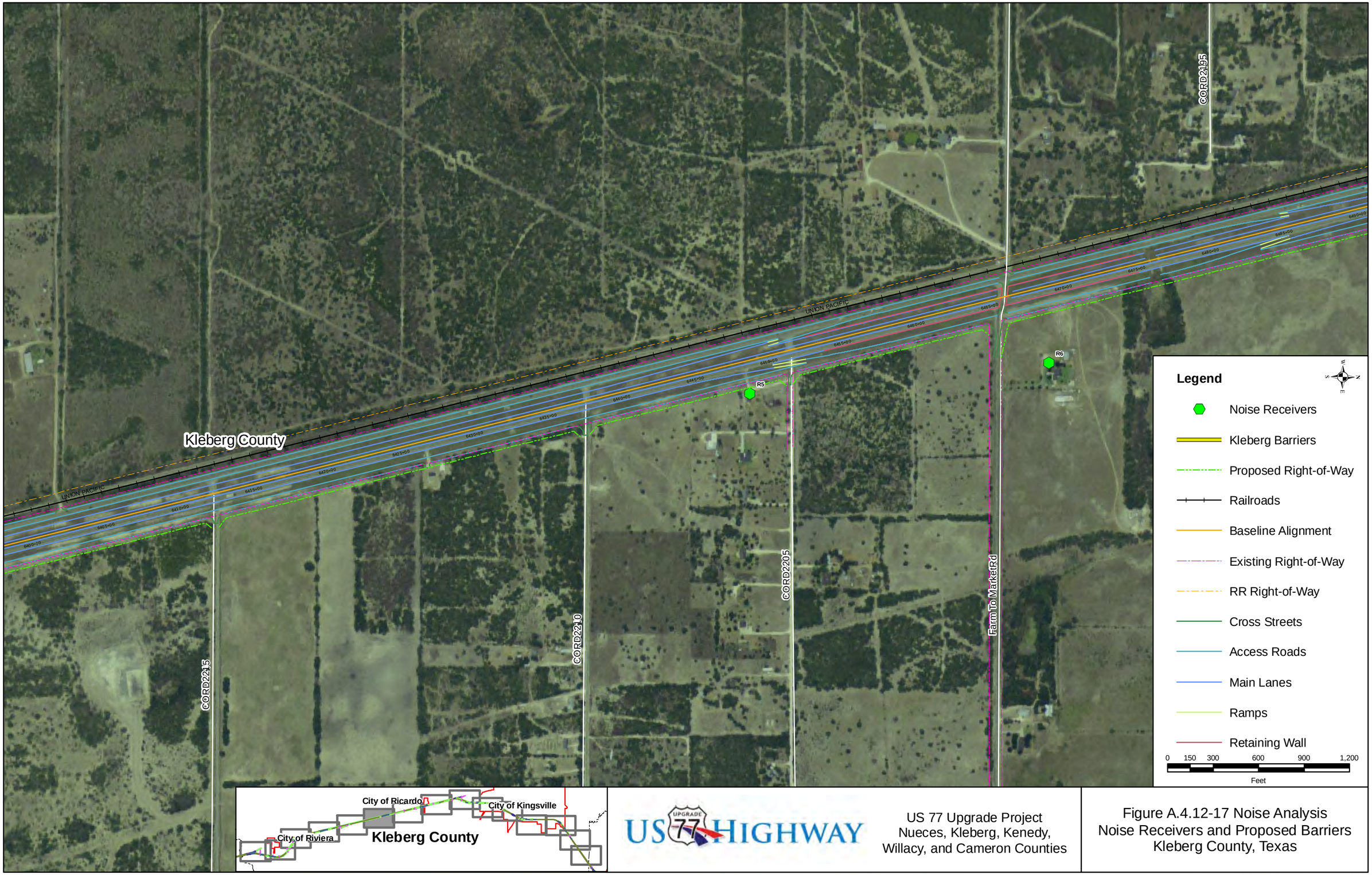
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-16 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-17 Noise Receivers and Proposed Barrier Kleberg County, TX



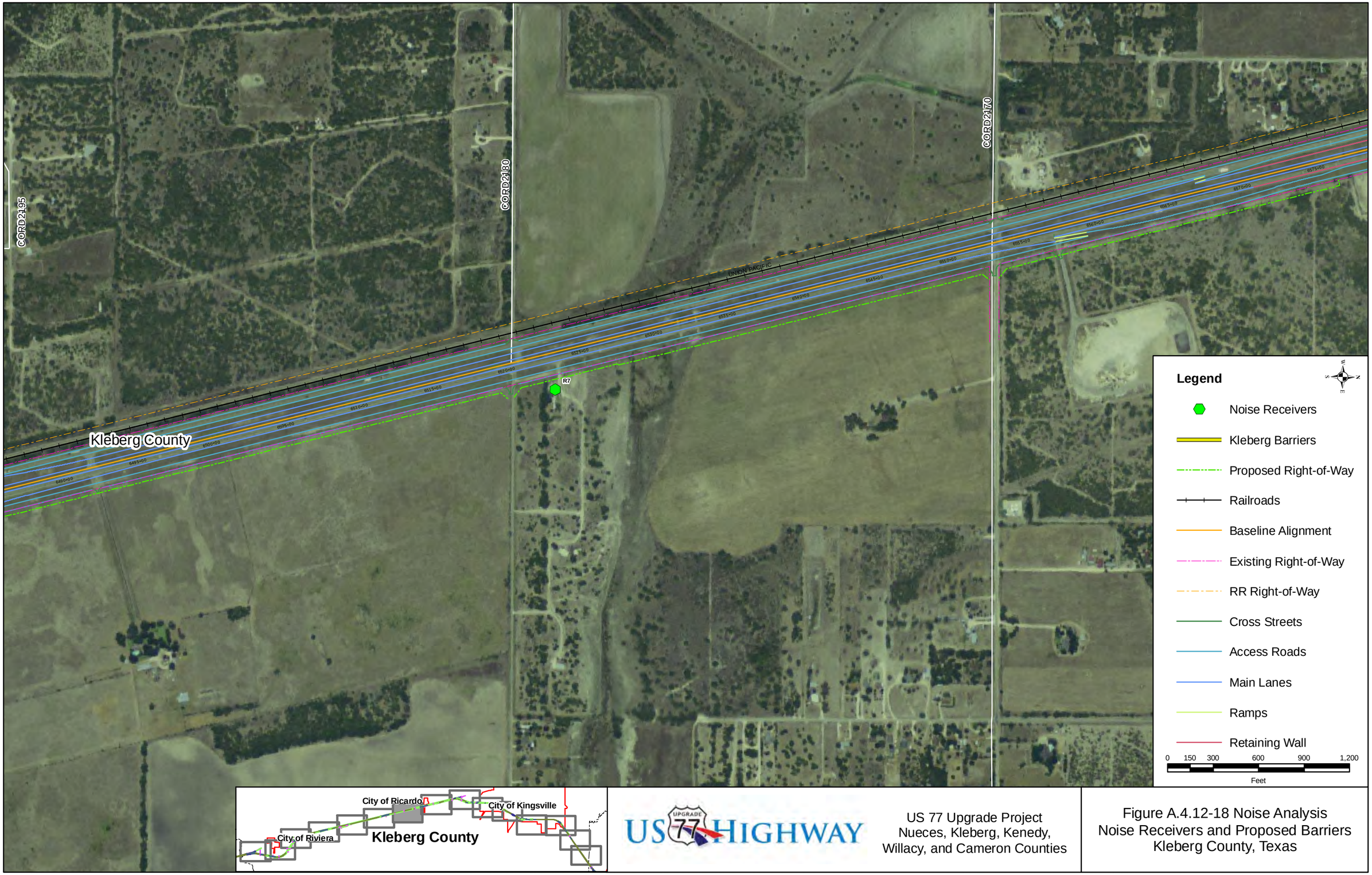
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-17 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-18 Noise Receivers and Proposed Barrier Kleberg County, TX



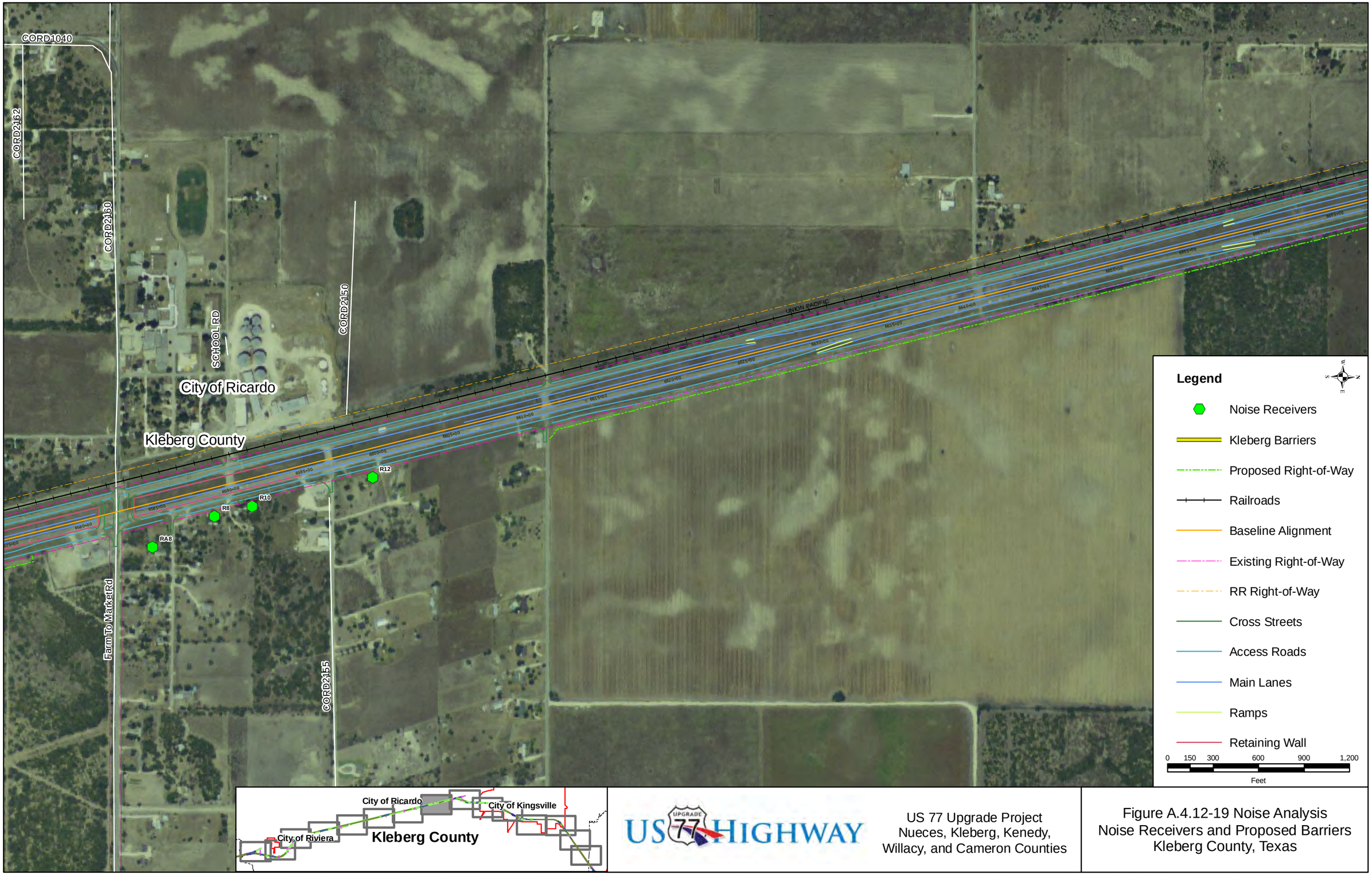
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-18 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-19 Noise Receivers and Proposed Barrier Kleberg County, TX



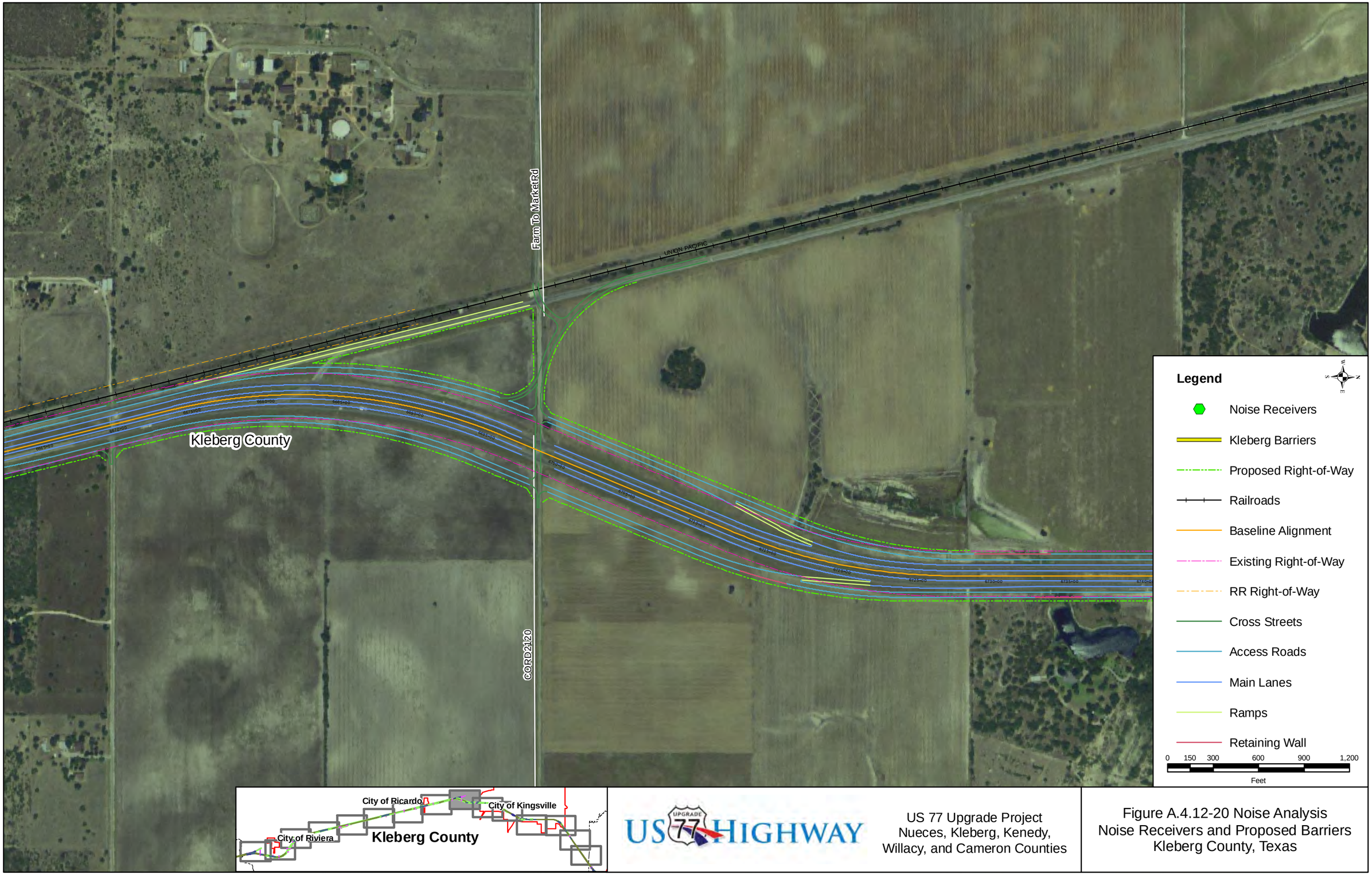
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-19 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-20 Noise Receivers and Proposed Barrier Kleberg County, TX



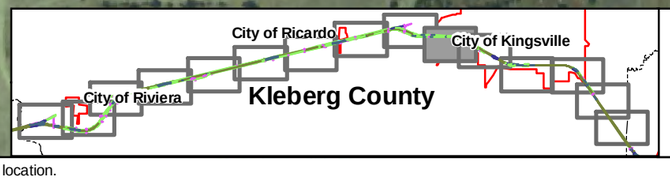
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-20 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-21 Noise Receivers and Proposed Barrier Kleberg County, TX



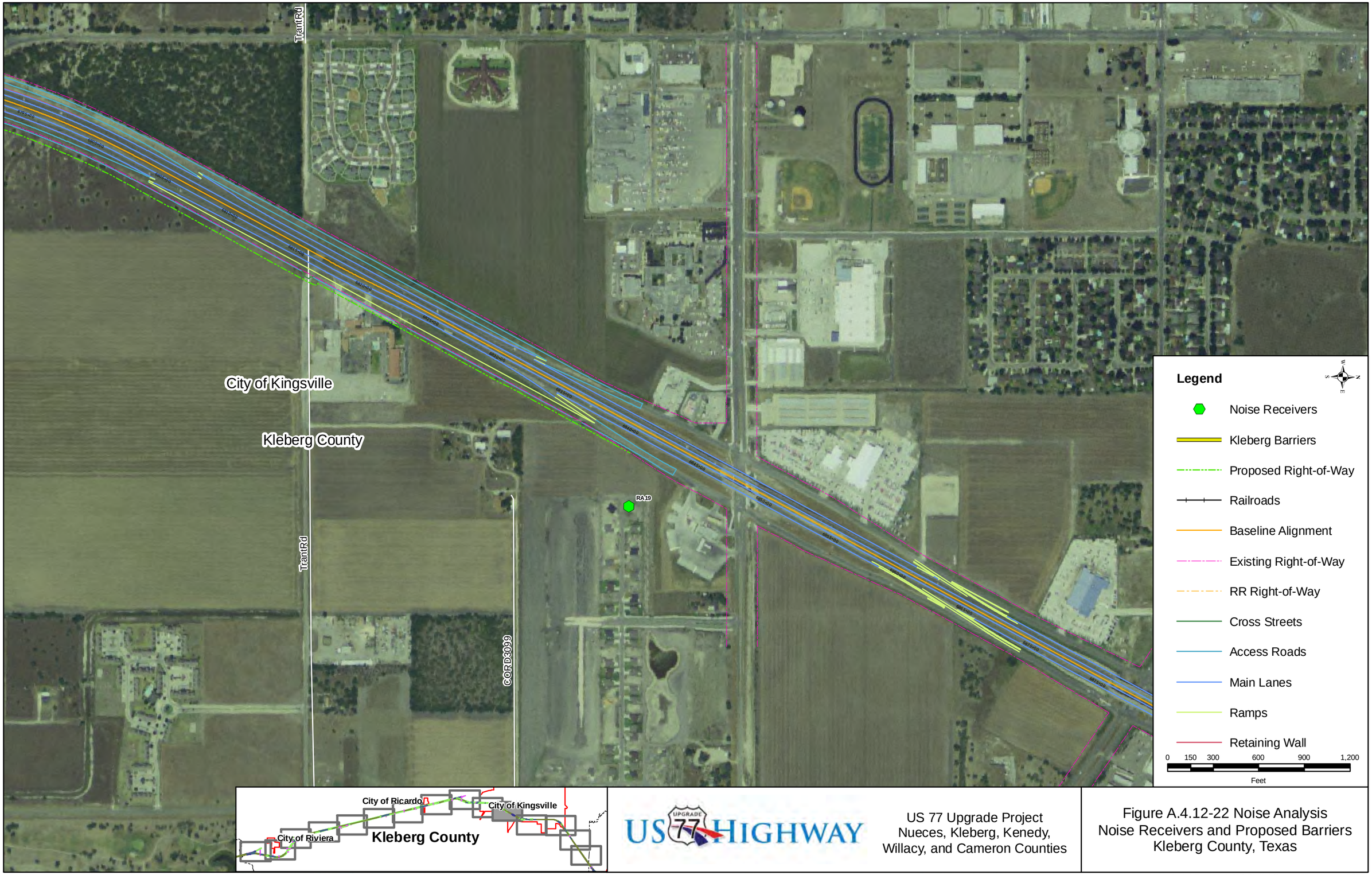
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-21 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-22 Noise Receivers and Proposed Barrier Kleberg County, TX



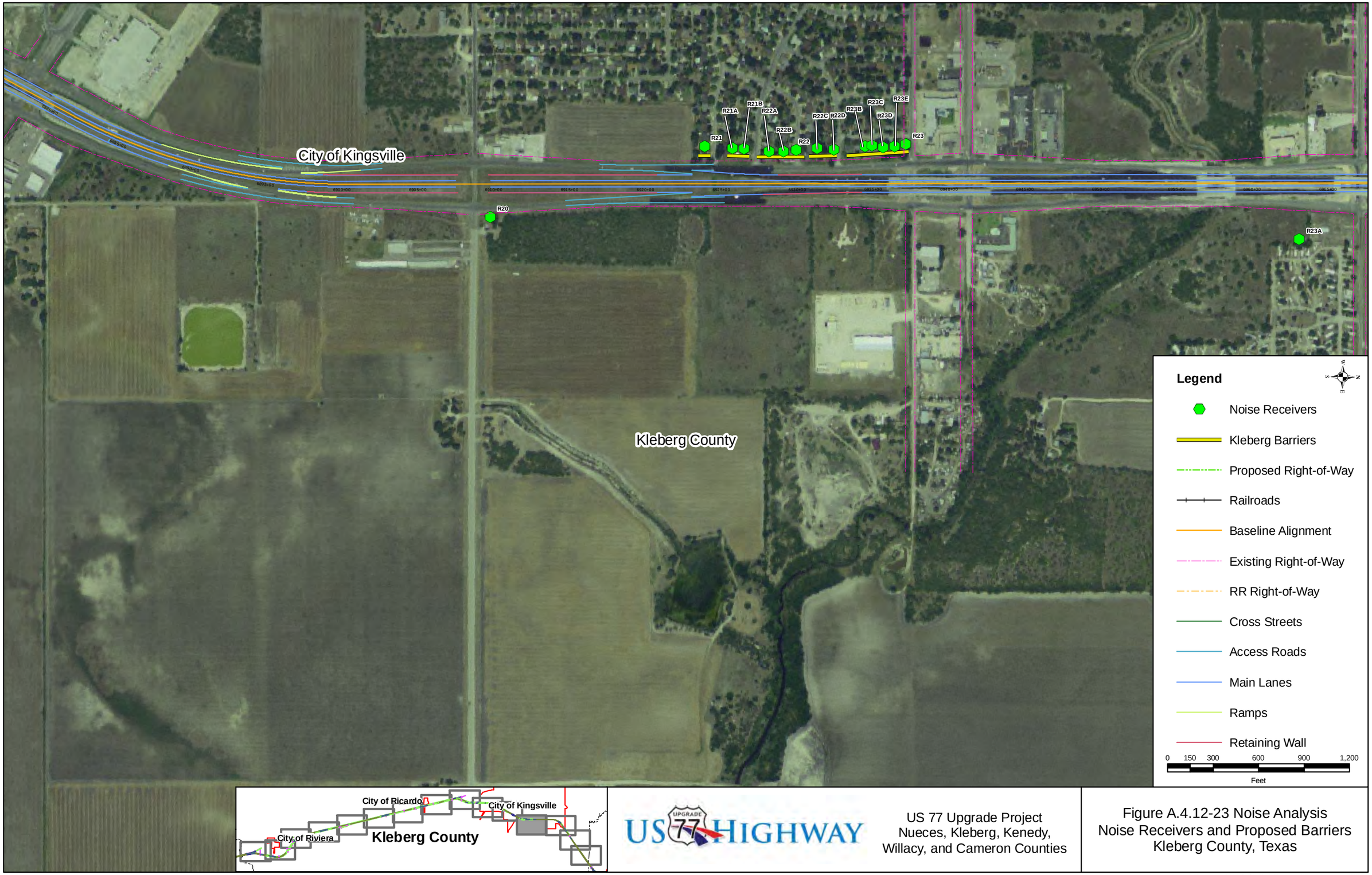
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-22 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-23 Noise Receivers and Proposed Barrier Kleberg County, TX



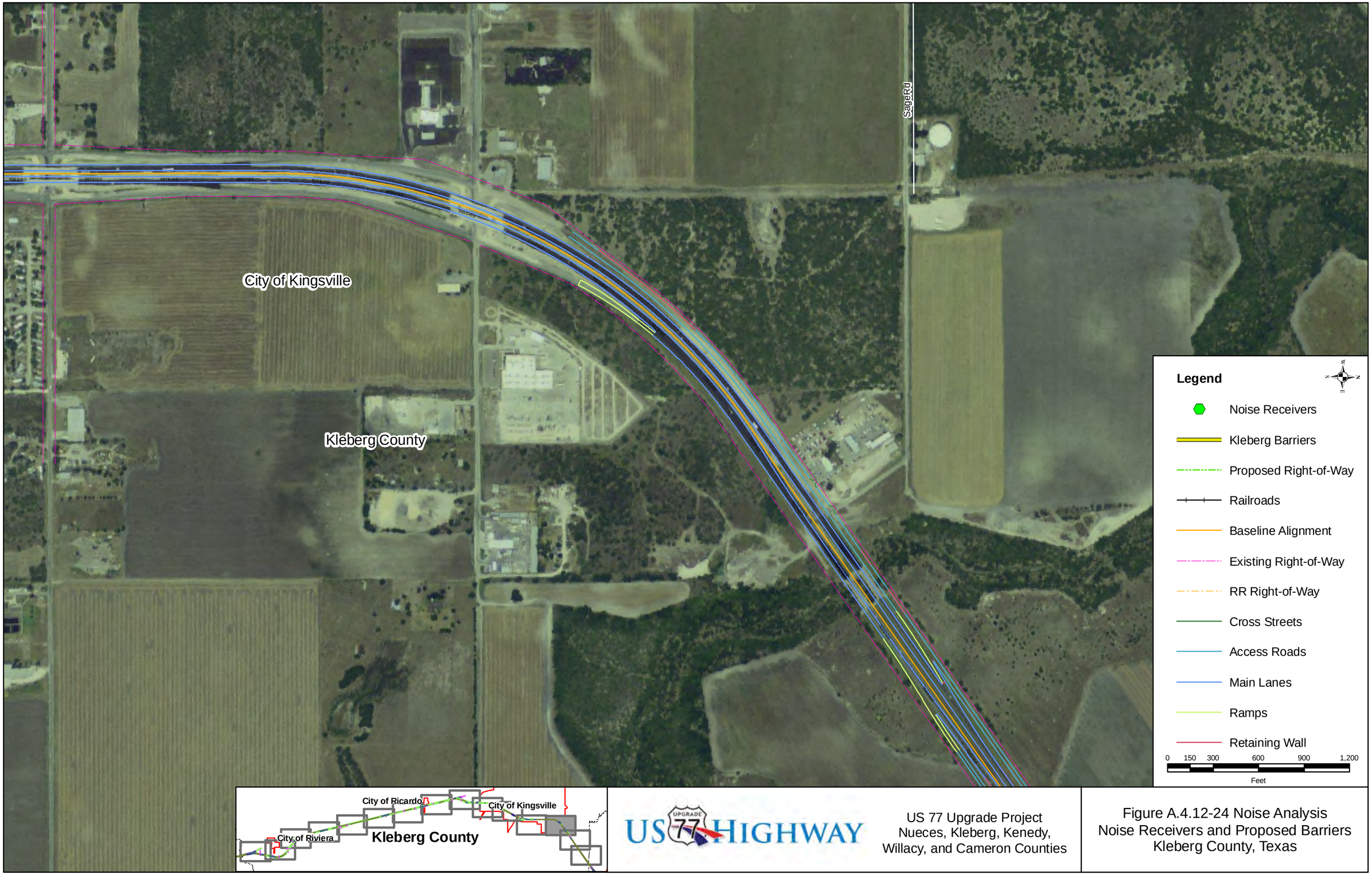
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-23 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-24 Noise Receivers and Proposed Barrier Kleberg County, TX



US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-24 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-25 Noise Receivers and Proposed Barrier Kleberg County, TX

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-25 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-26 Noise Receivers and Proposed Barrier Kleberg County, TX

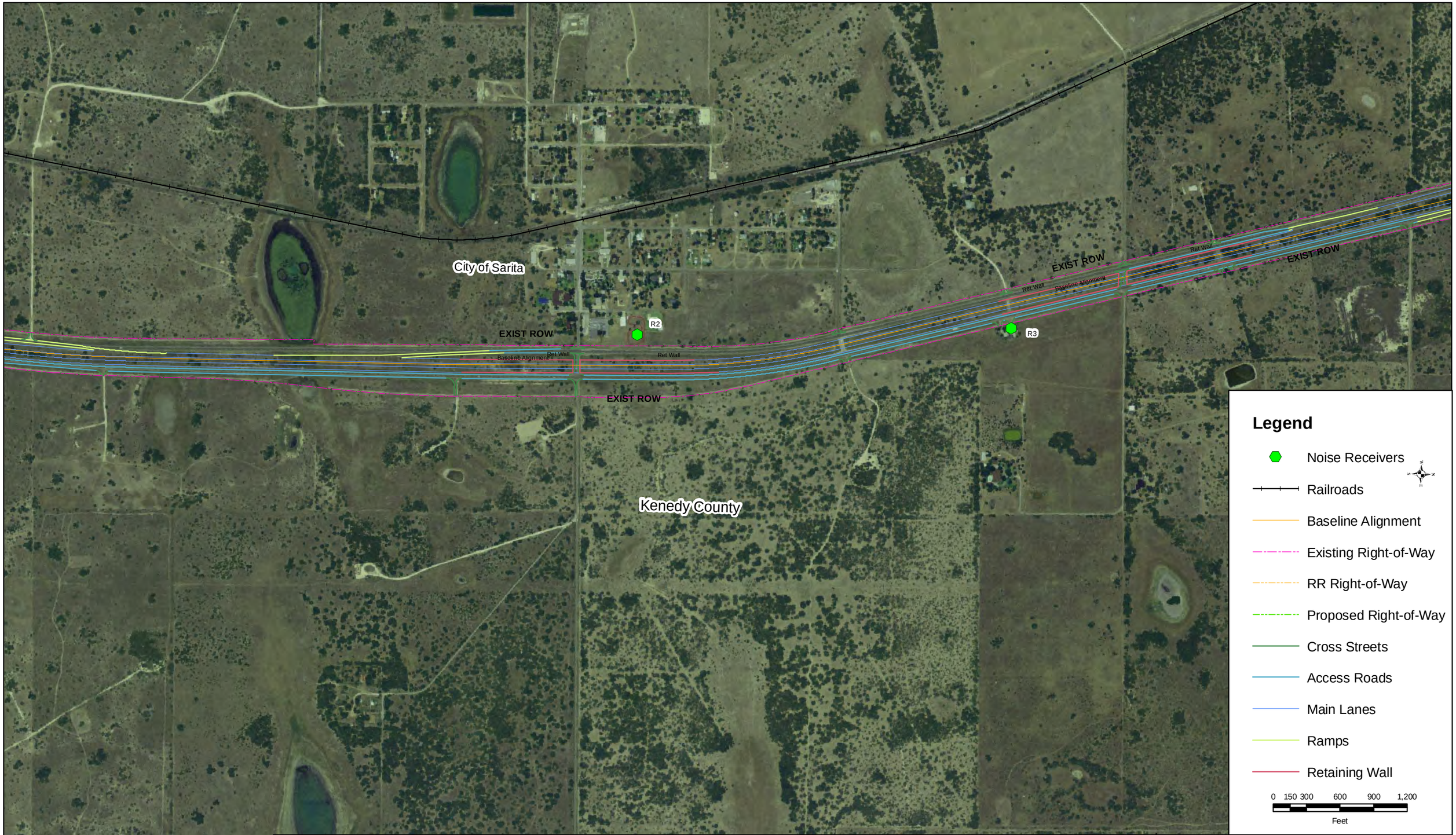
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

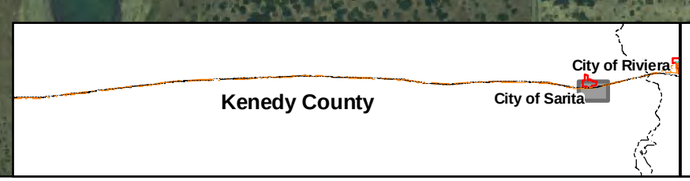
Figure A.4.12-26 Noise Analysis
Noise Receivers and Proposed Barriers
Kleberg County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-27 Noise Receivers and Proposed Barrier Kenedy County, TX





US 77 HIGHWAY

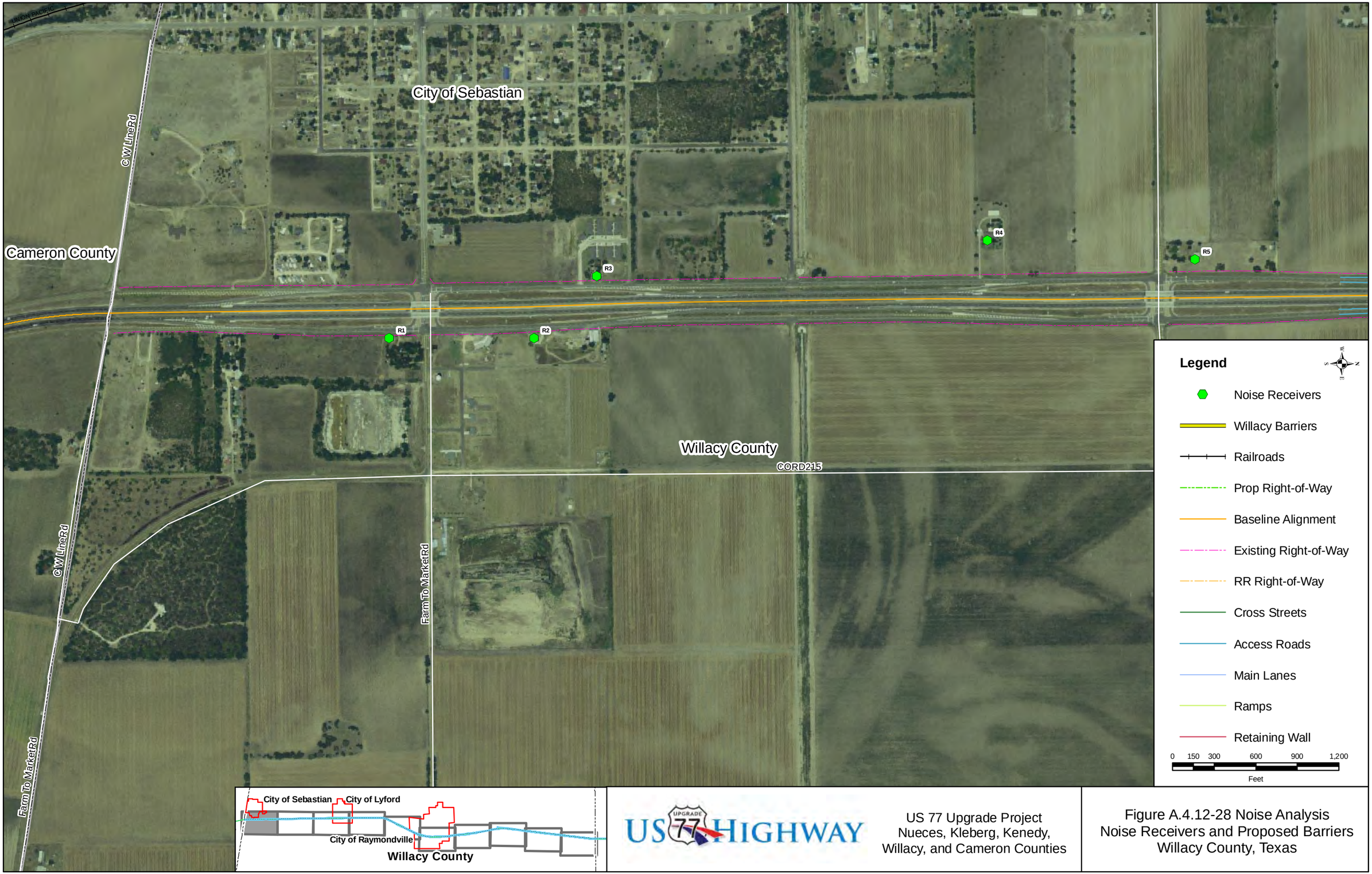
US 77 Upgrade Project
Nueces, Kleberg, Kenedy
Willacy, and Cameron, Counties

Figure A.4.12-27 Noise Analysis
Noise Receivers and Proposed Barriers
Kenedy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-28 Noise Receivers and Proposed Barrier Willacy County, TX



US 77 UPGRADE HIGHWAY

US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-28 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-29 Noise Receivers and Proposed Barrier Willacy County, TX

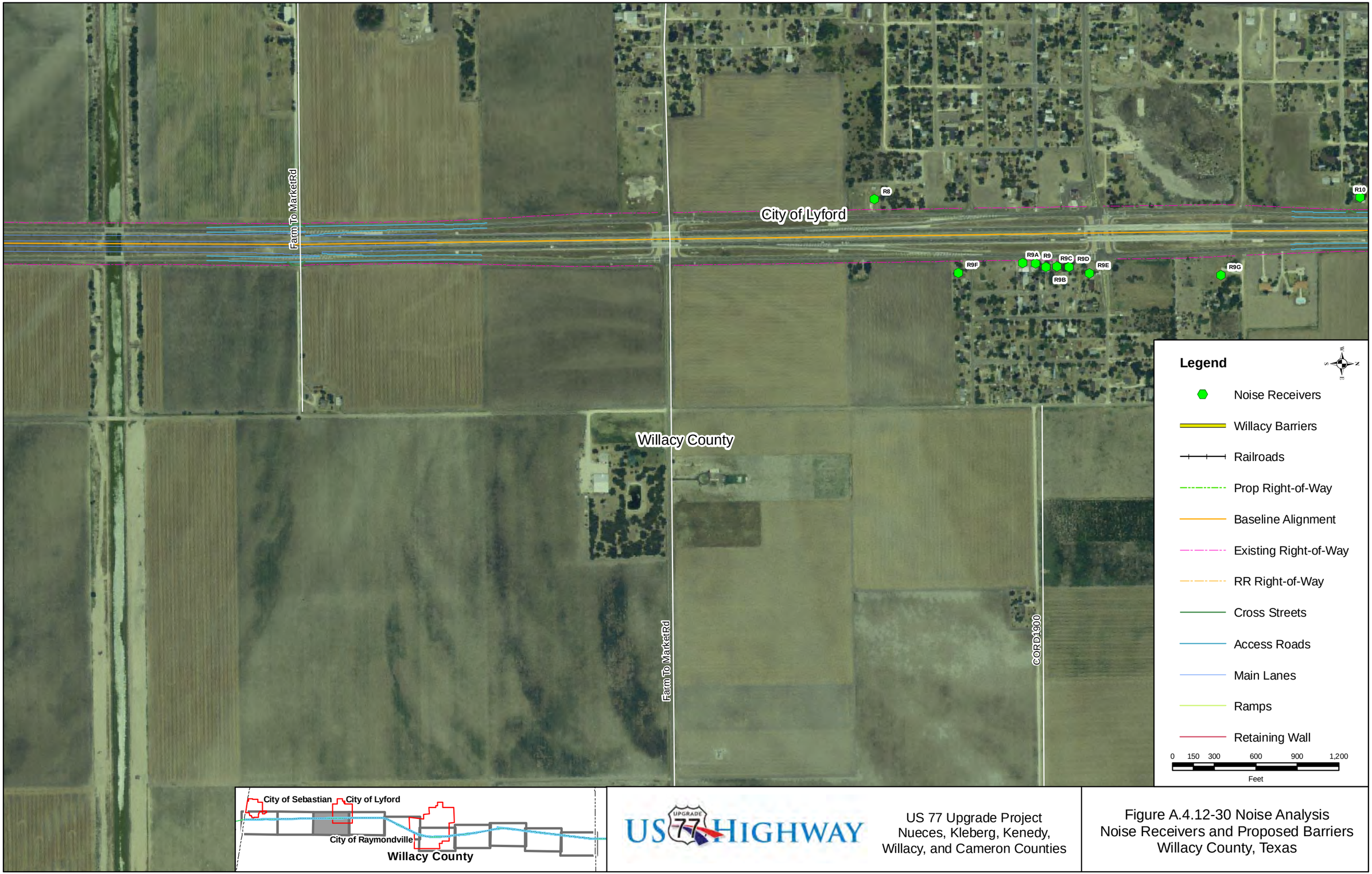
US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-29 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-30 Noise Receivers and Proposed Barrier Willacy County, TX



US 77 Upgrade Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Figure A.4.12-30 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-31 Noise Receivers and Proposed Barrier Willacy County, TX

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Figure A.4.12-31 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-32 Noise Receivers and Proposed Barrier Willacy County, TX

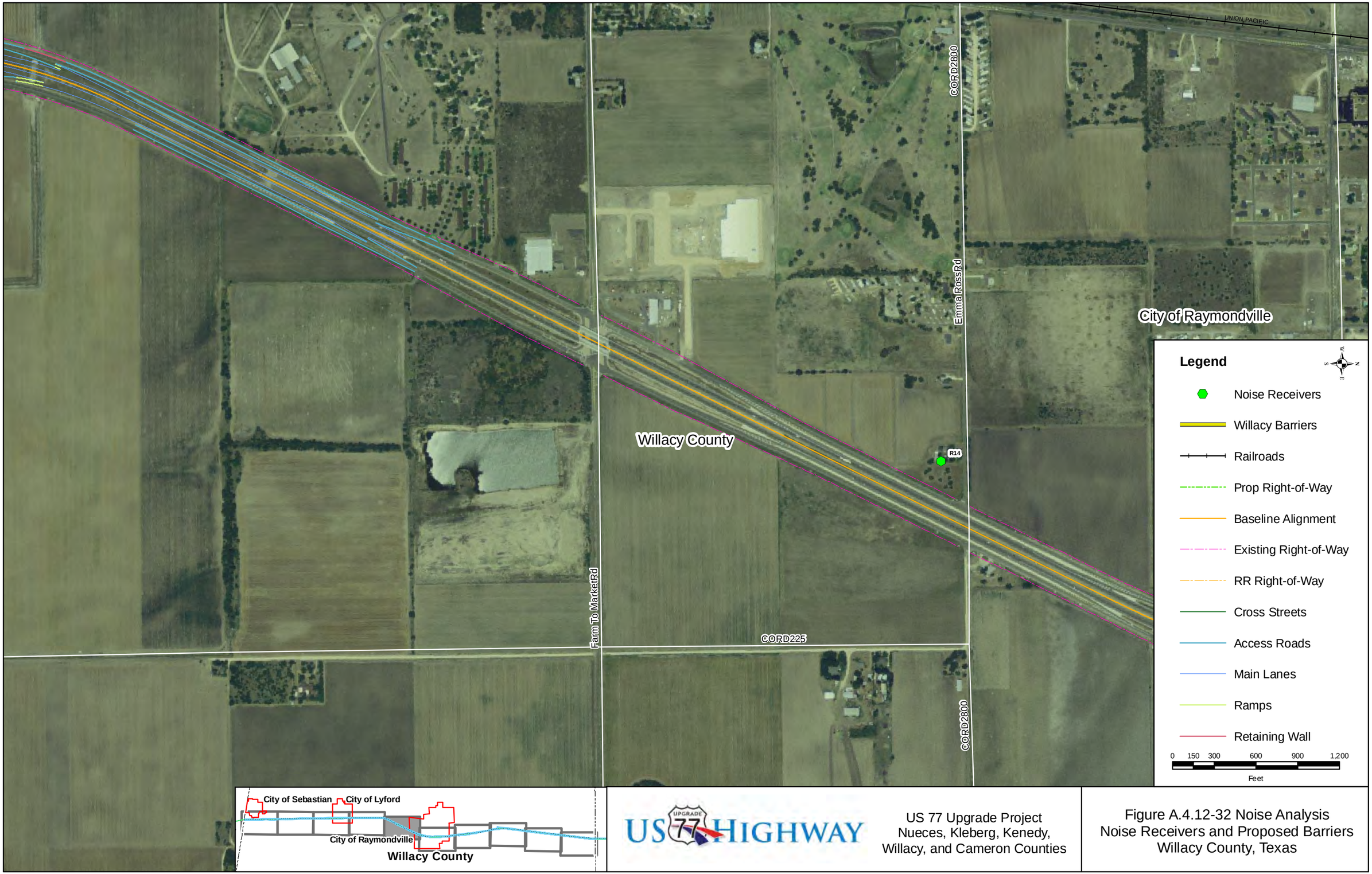

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Figure A.4.12-32 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-33 Noise Receivers and Proposed Barrier Willacy County, TX

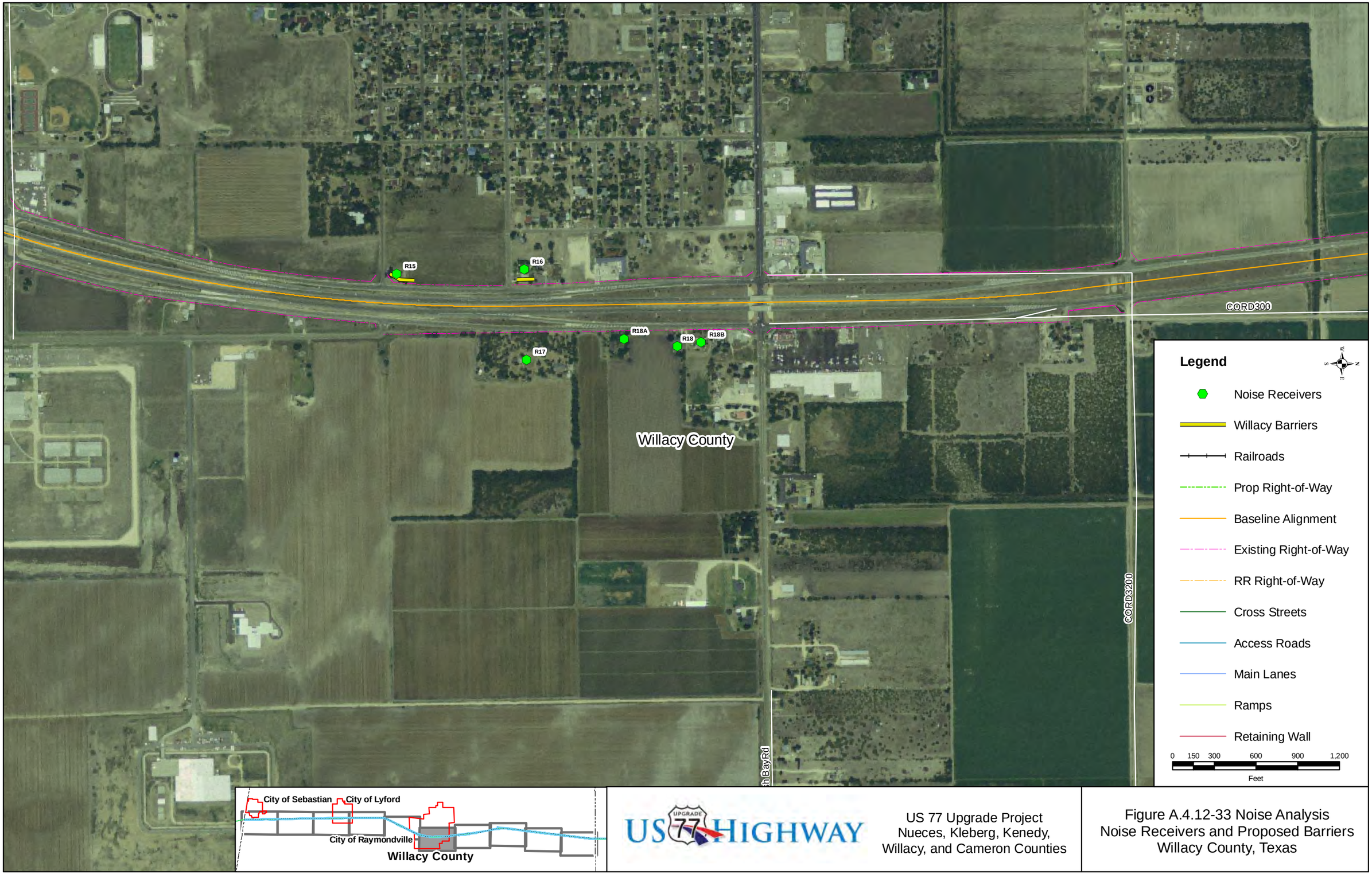

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Figure A.4.12-33 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-34 Noise Receivers and Proposed Barrier Willacy County, TX

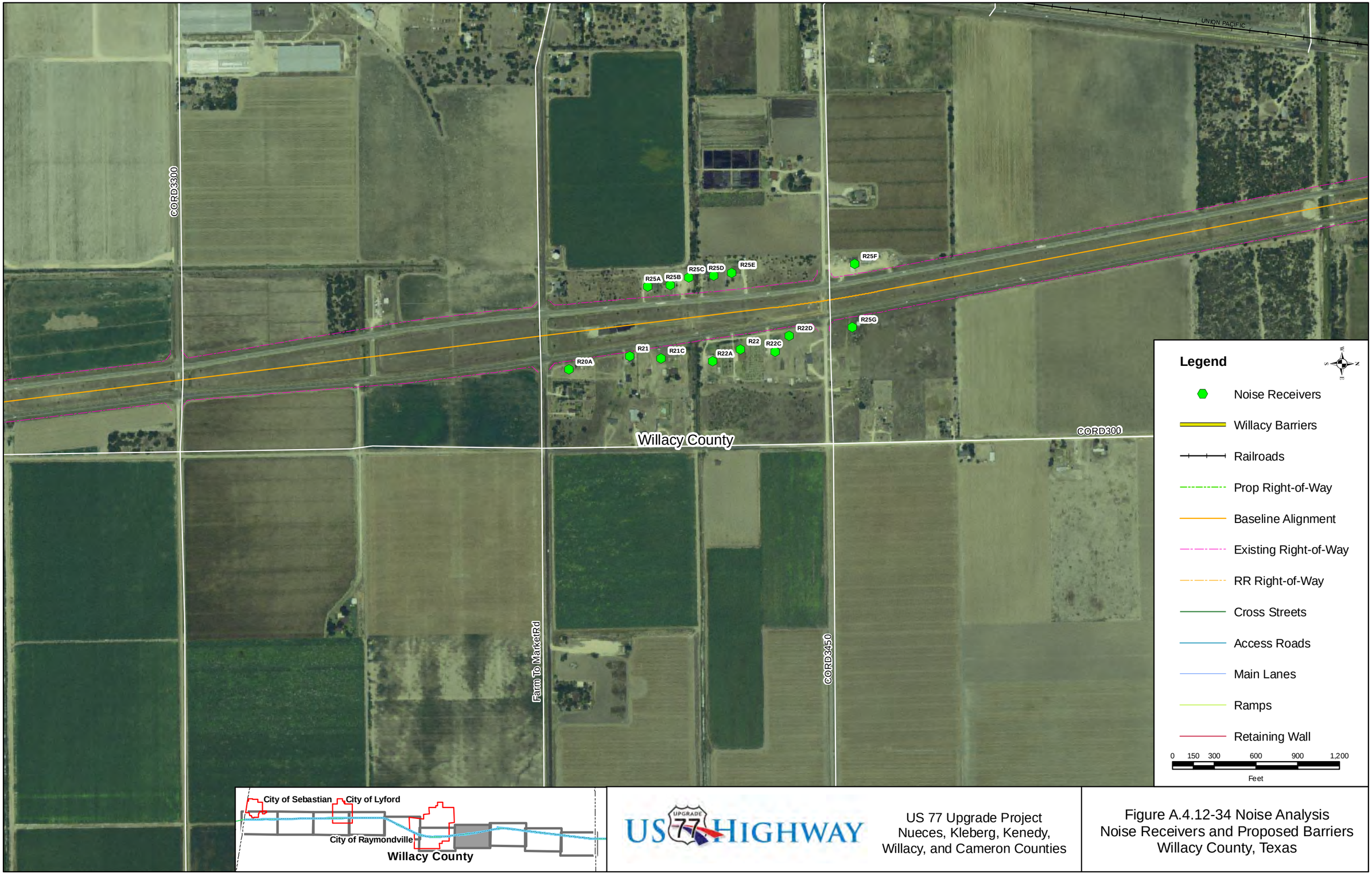

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Figure A.4.12-34 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-35 Noise Receivers and Proposed Barrier Willacy County, TX

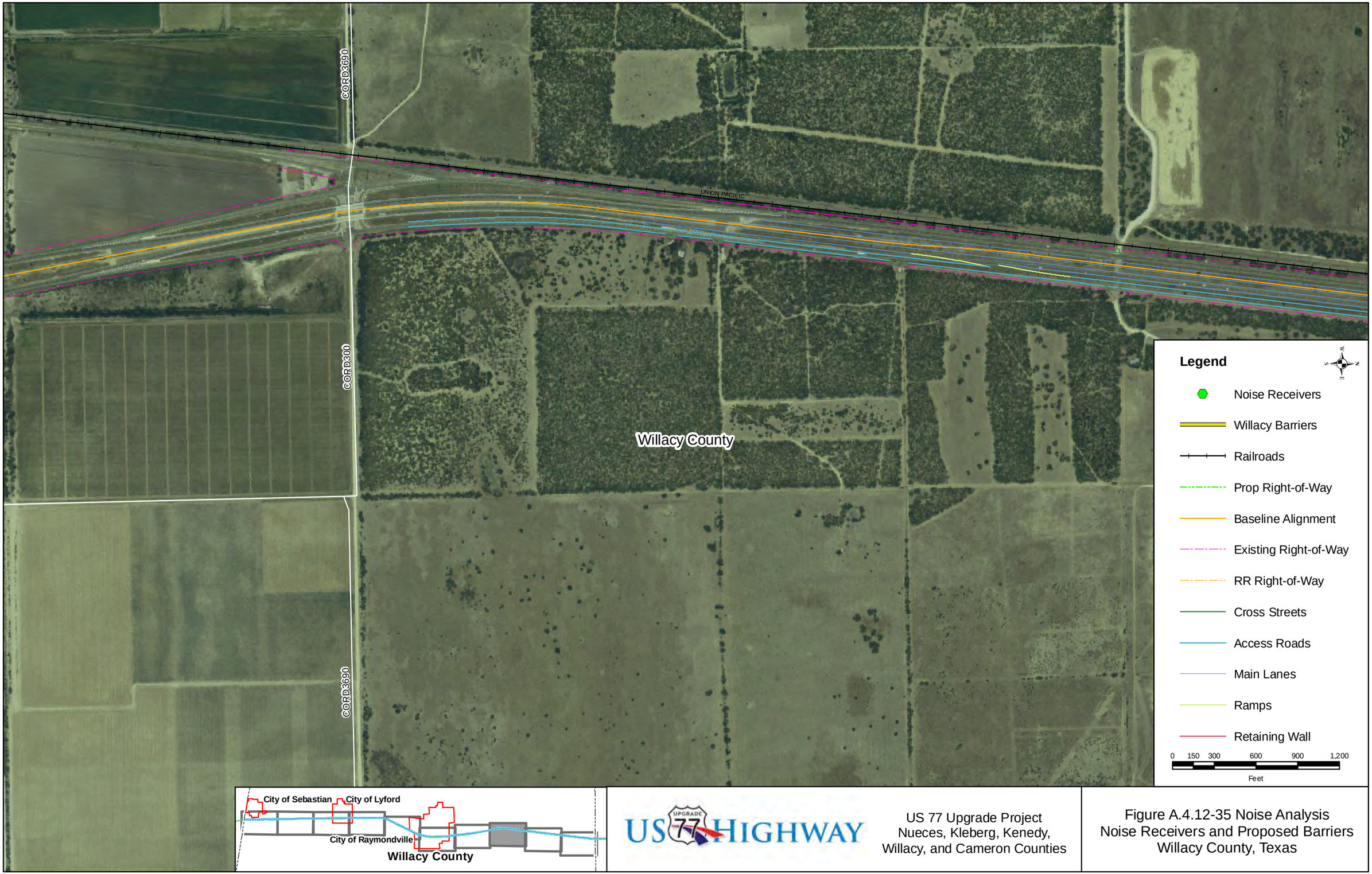

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Figure A.4.12-35 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-36 Noise Receivers and Proposed Barrier Willacy County, TX

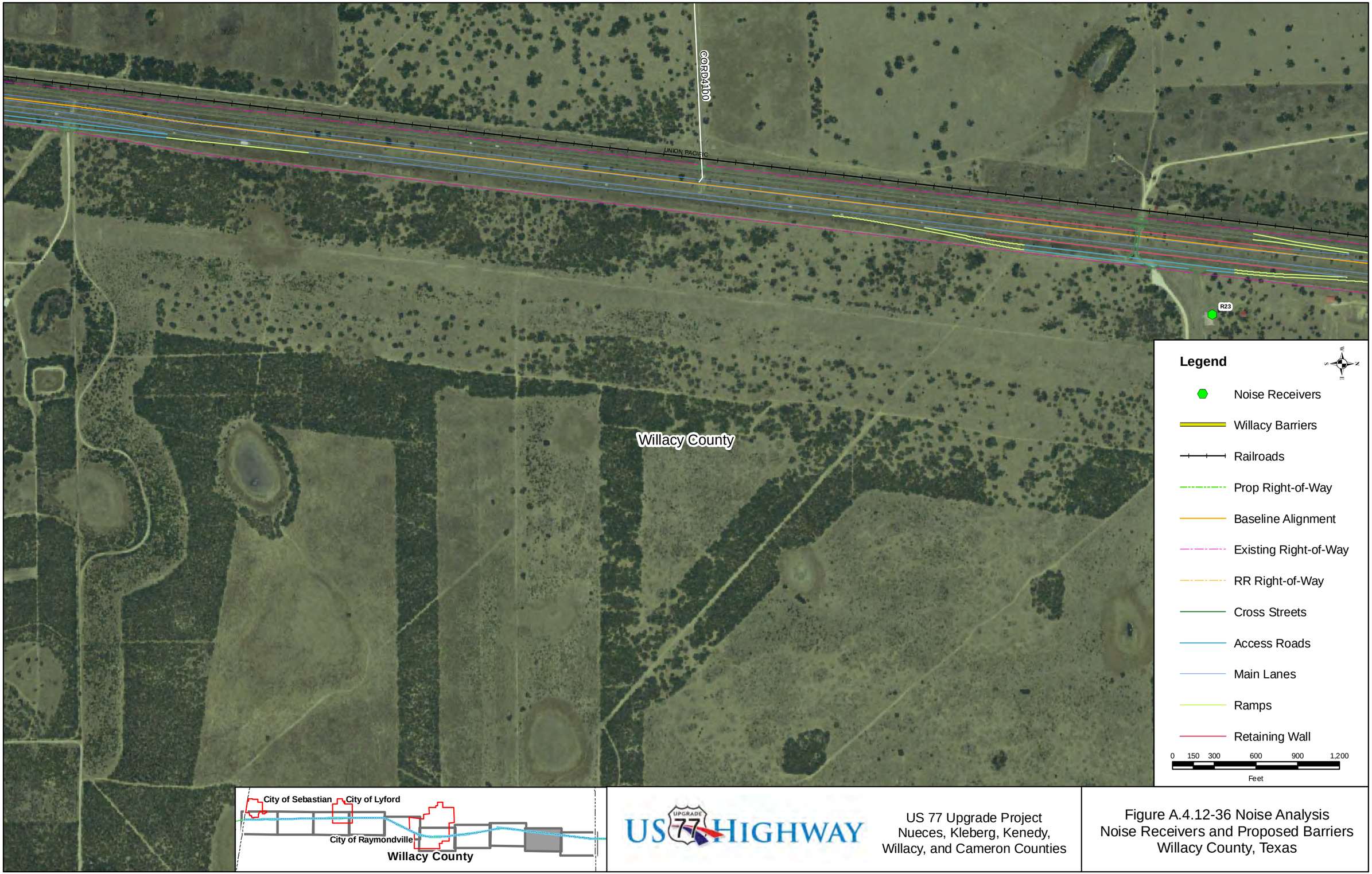

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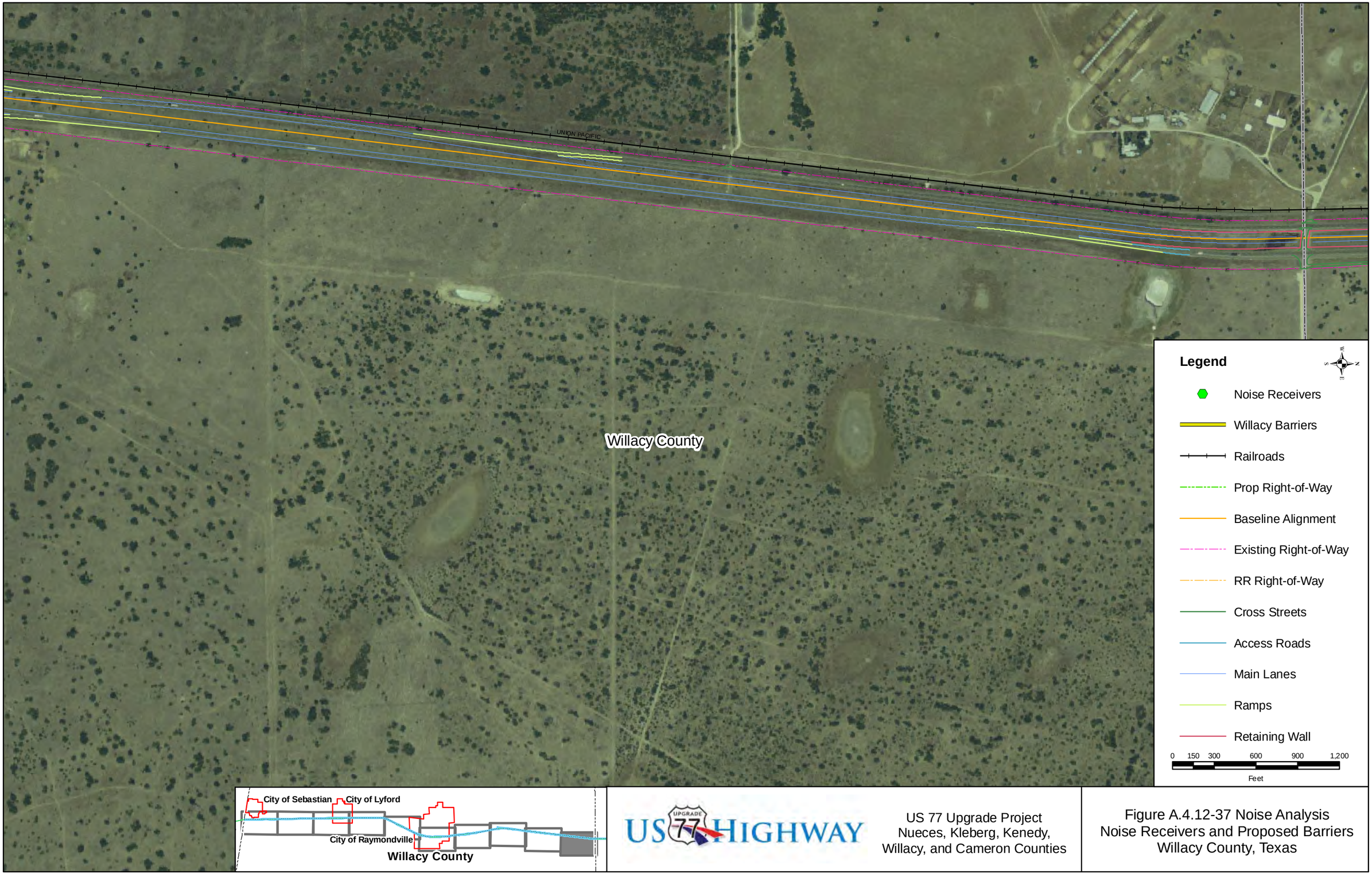
Figure A.4.12-36 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.12-37 Noise Receivers and Proposed Barrier Willacy County, TX



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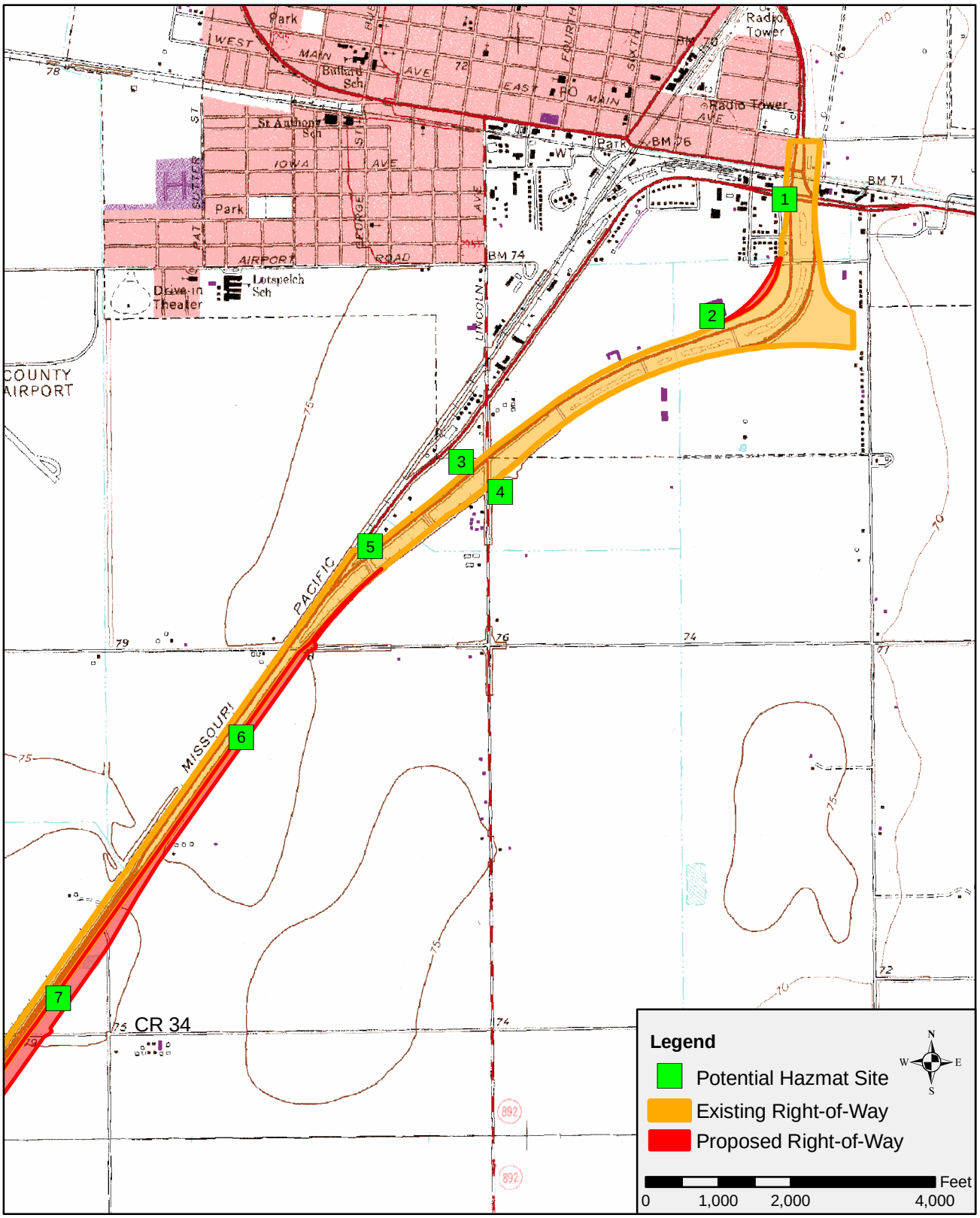
Willacy, and Cameron Counties

Figure A.4.12-37 Noise Analysis
Noise Receivers and Proposed Barriers
Willacy County, Texas

Note: Figures without receivers do not have receivers in that location.

Aerial Source: NAIP Digital Georectified Image 2005
Date Created: January 2010

Figure A.4.13-1 Potential Hazardous Material Sites



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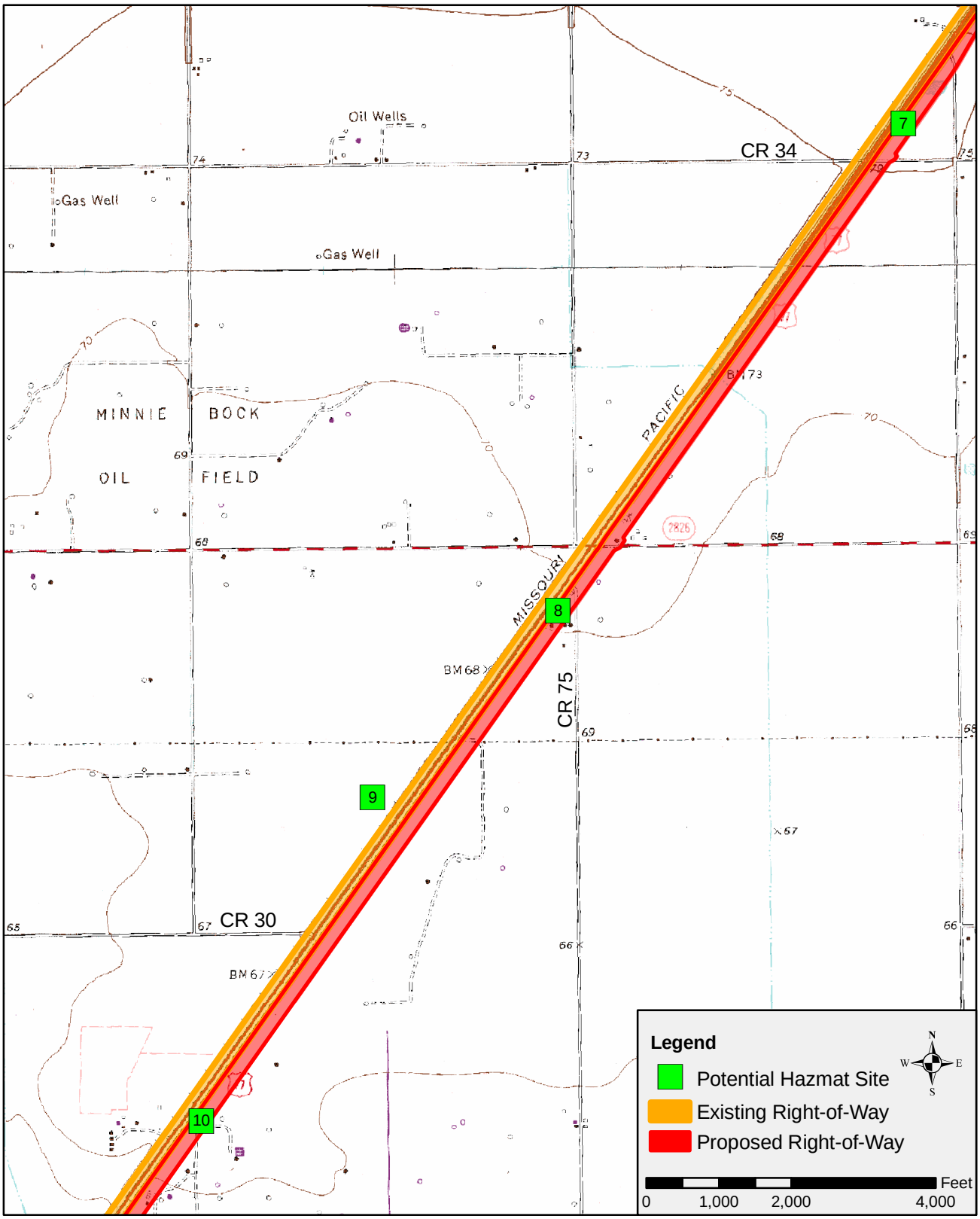
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-1

Date Created: January 2009

Figure A.4.13-2 Potential Hazardous Material Sites

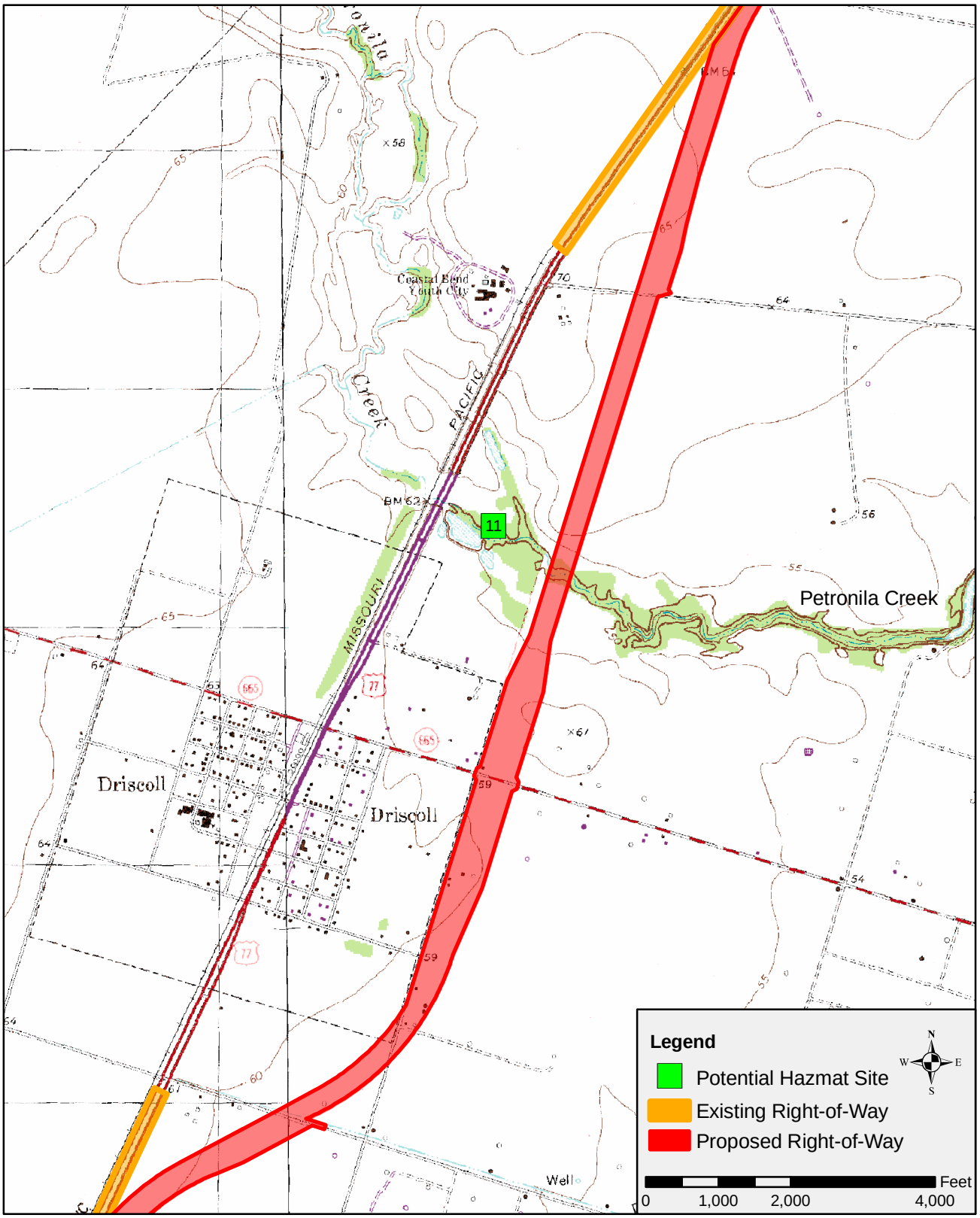


US 77 Improvement Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-2

Date Created: January 2009

Figure A.4.13-3 Potential Hazardous Material Sites

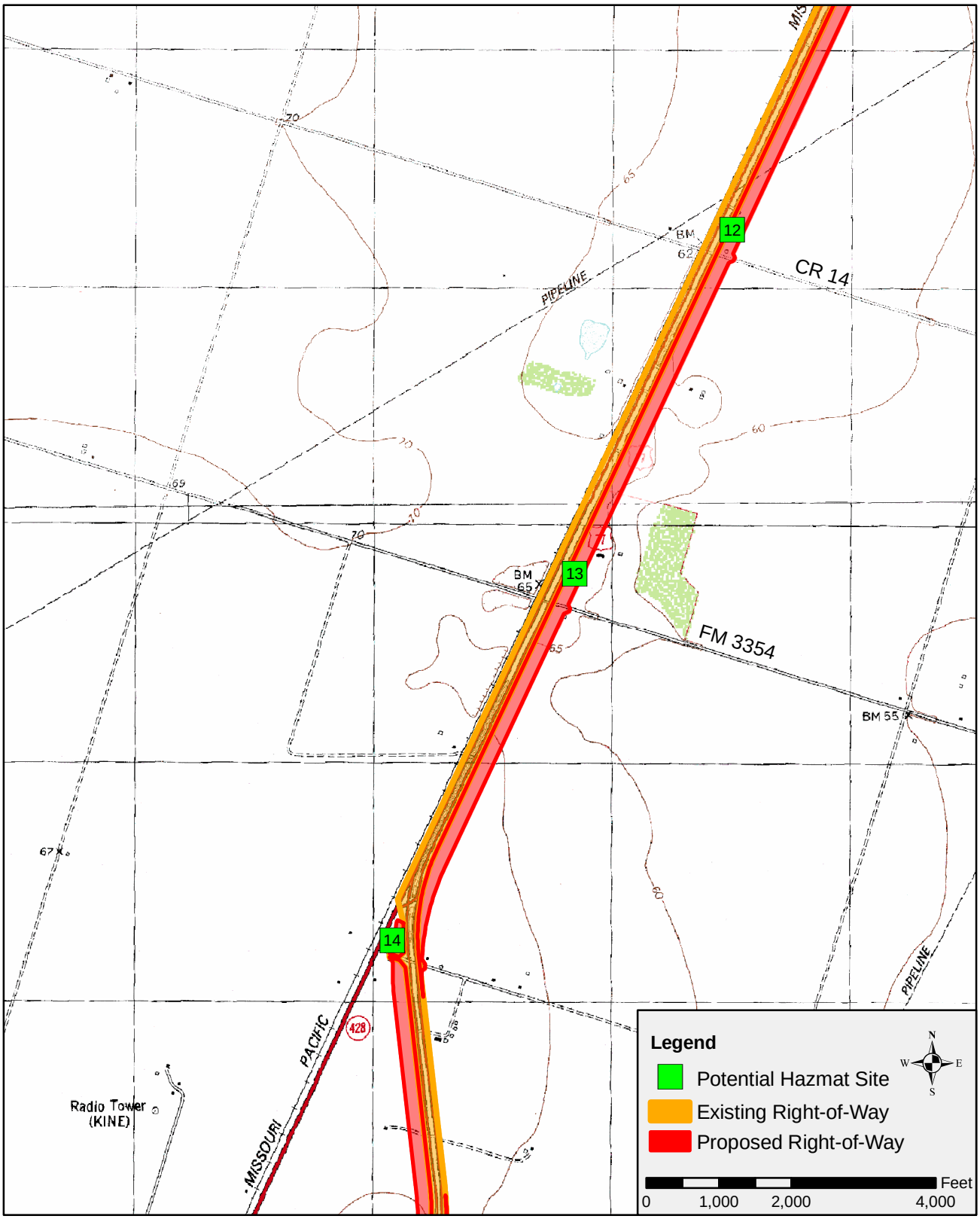


US 77 Improvement Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-3

Date Created: January 2009

Figure A.4.13-4 Potential Hazardous Material Sites



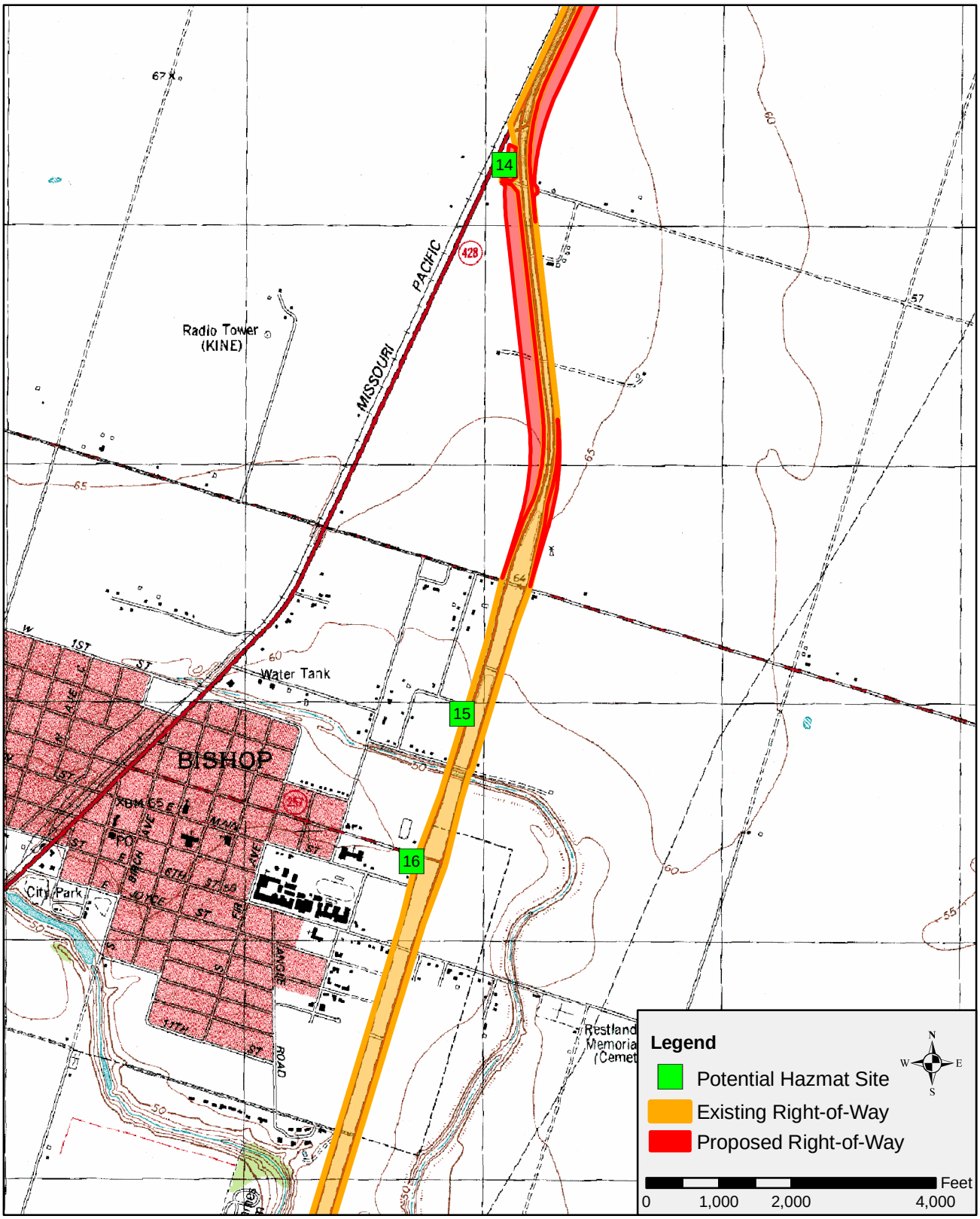
US 77 HIGHWAY

US 77 Improvement Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-4

Date Created: January 2009

Figure A.4.13-5 Potential Hazardous Material Sites



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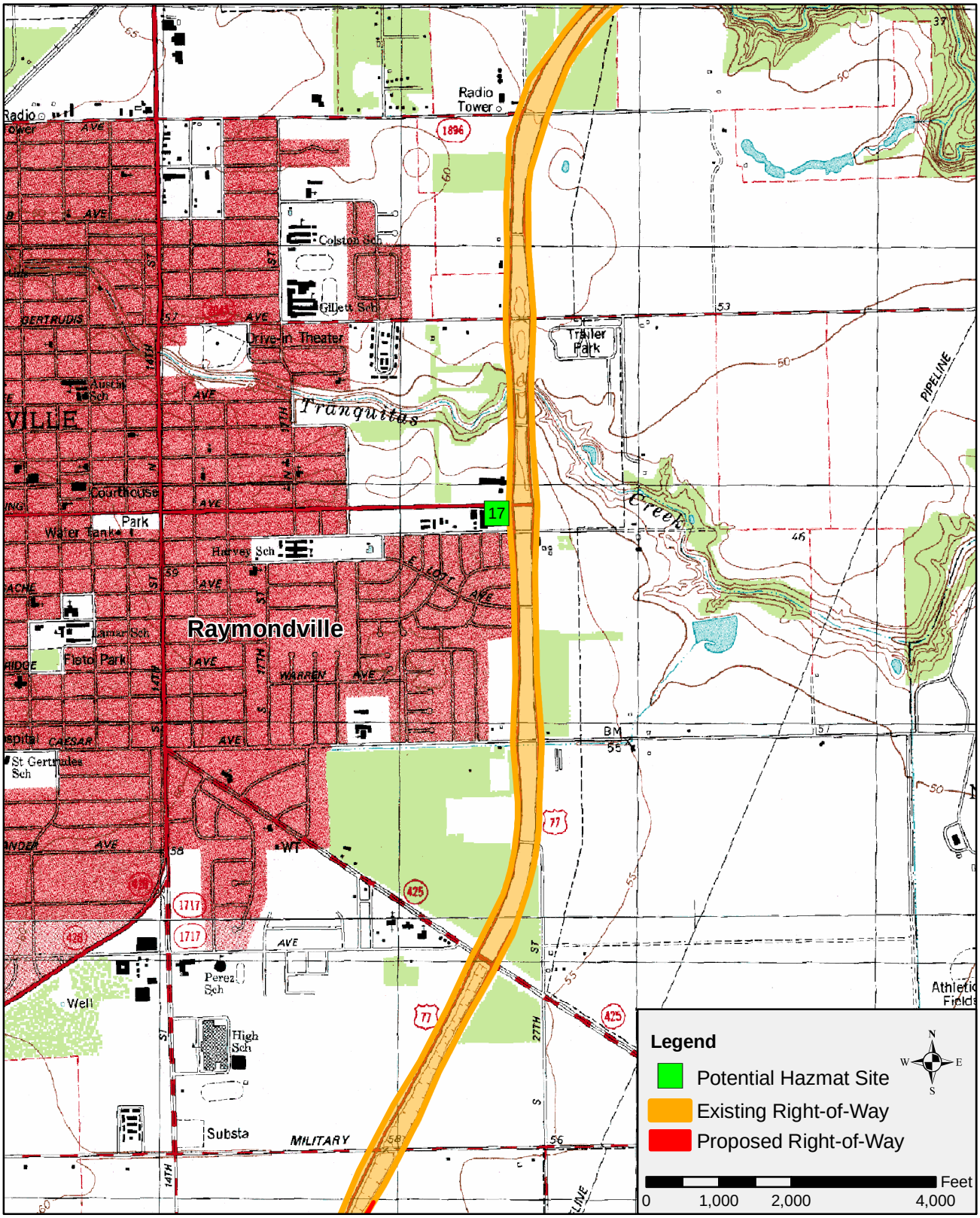
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-5

Date Created: January 2009

Figure A.4.13-6 Potential Hazardous Material Sites

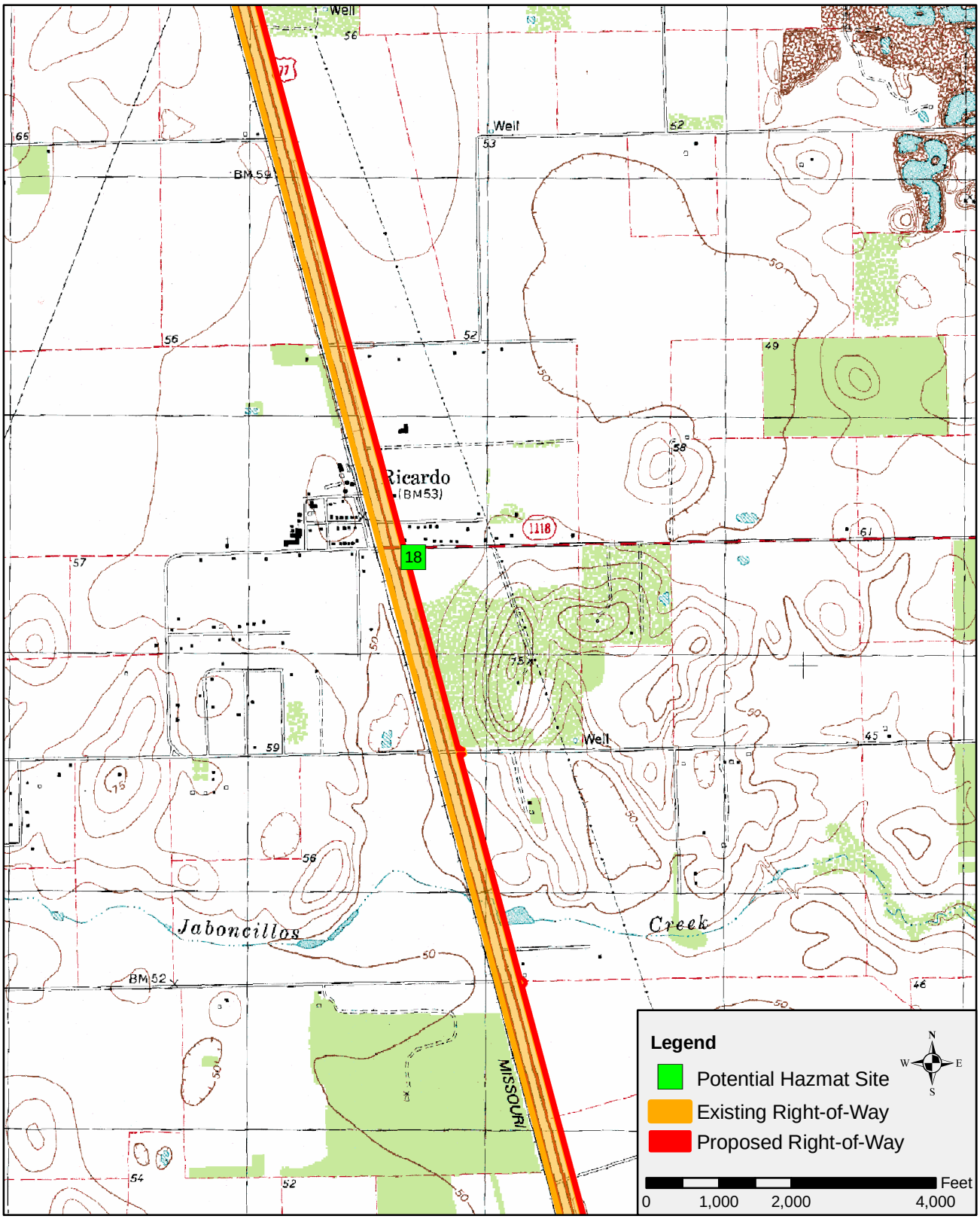


US 77 Improvement Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-6

Date Created: January 2009

Figure A.4.13-7 Potential Hazardous Material Sites

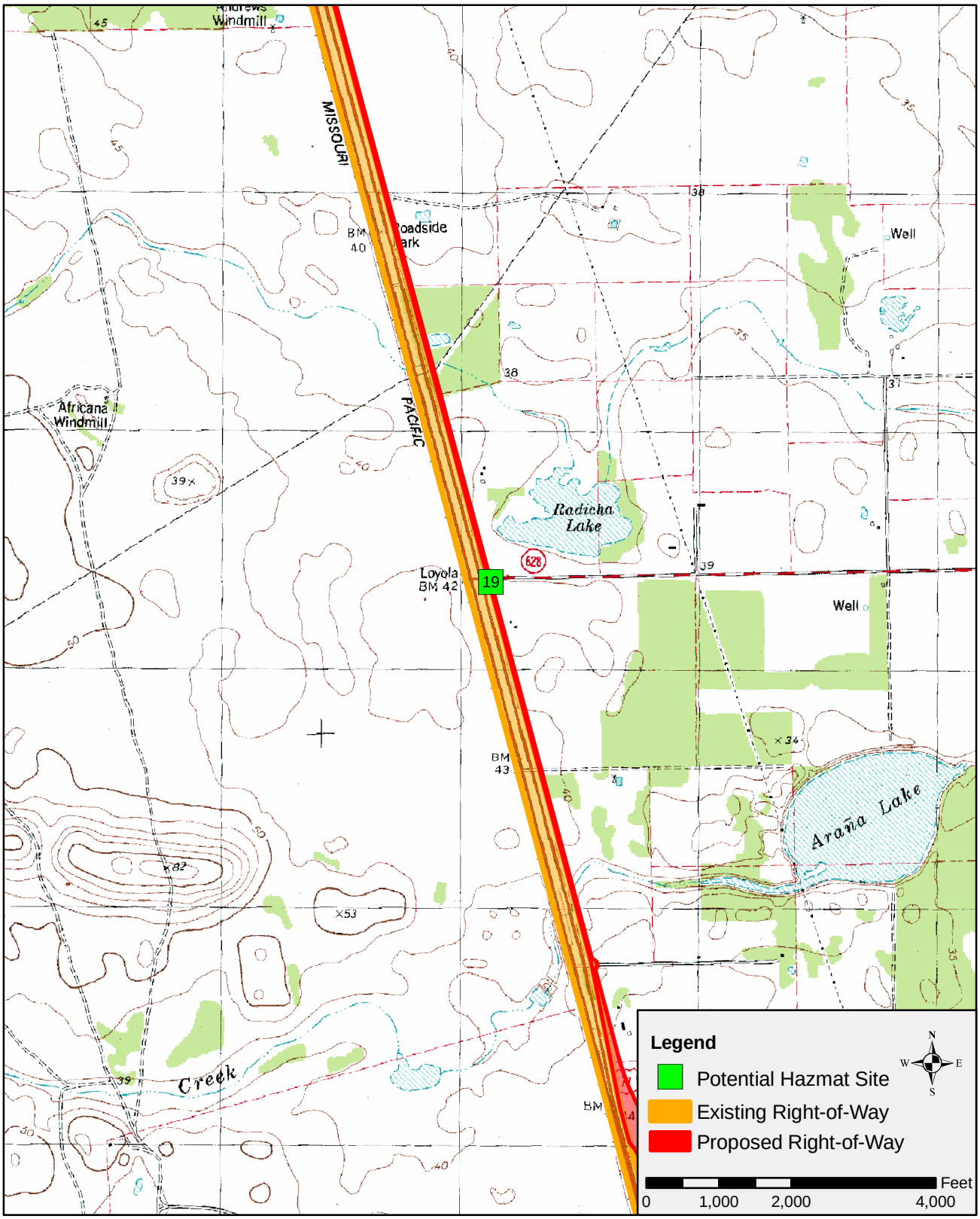


US 77 Improvement Project
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-7

Date Created: January 2009

Figure A.4.13-8 Potential Hazardous Material Sites



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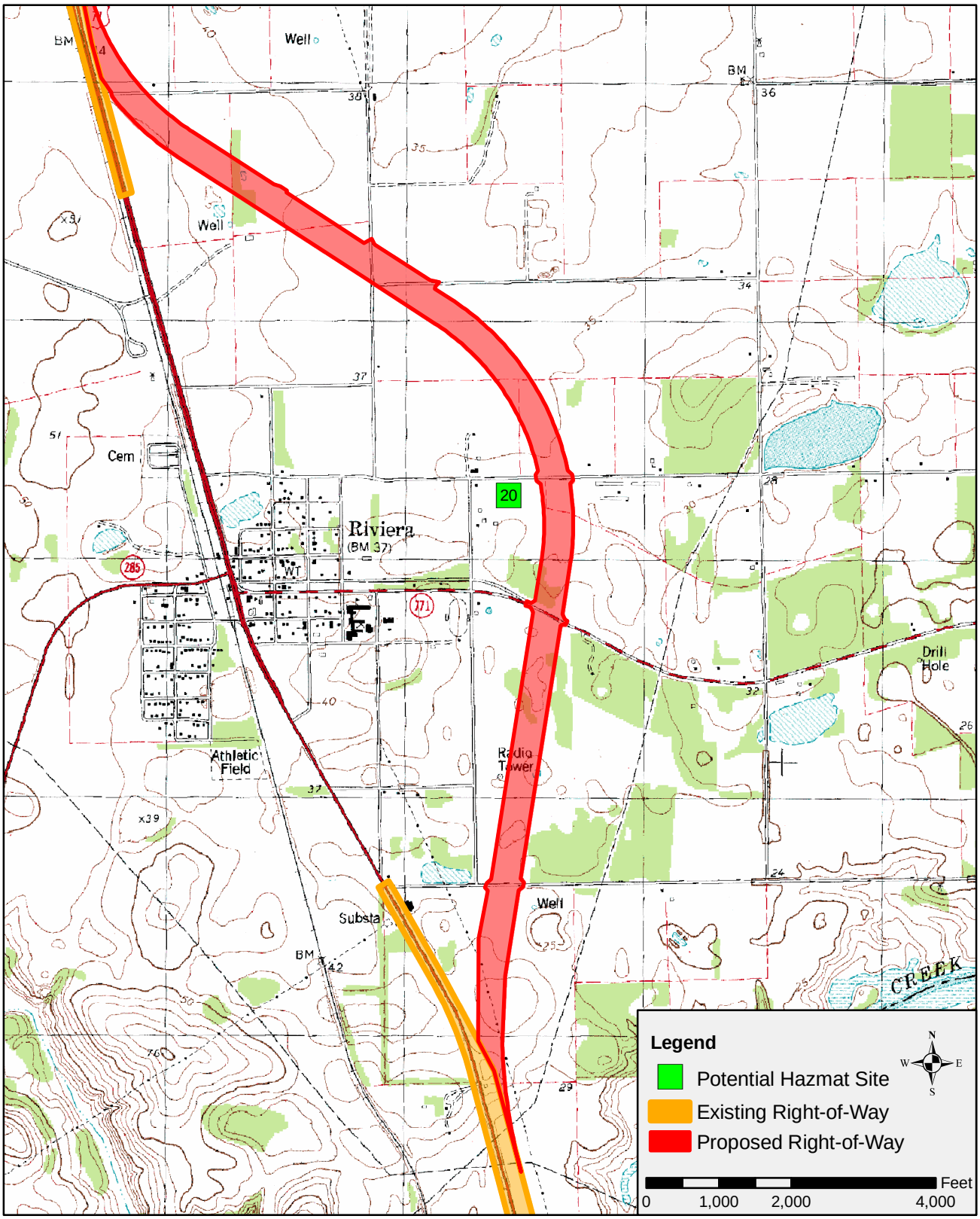
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-8

Date Created: January 2009

Figure A.4.13-9 Potential Hazardous Material Sites



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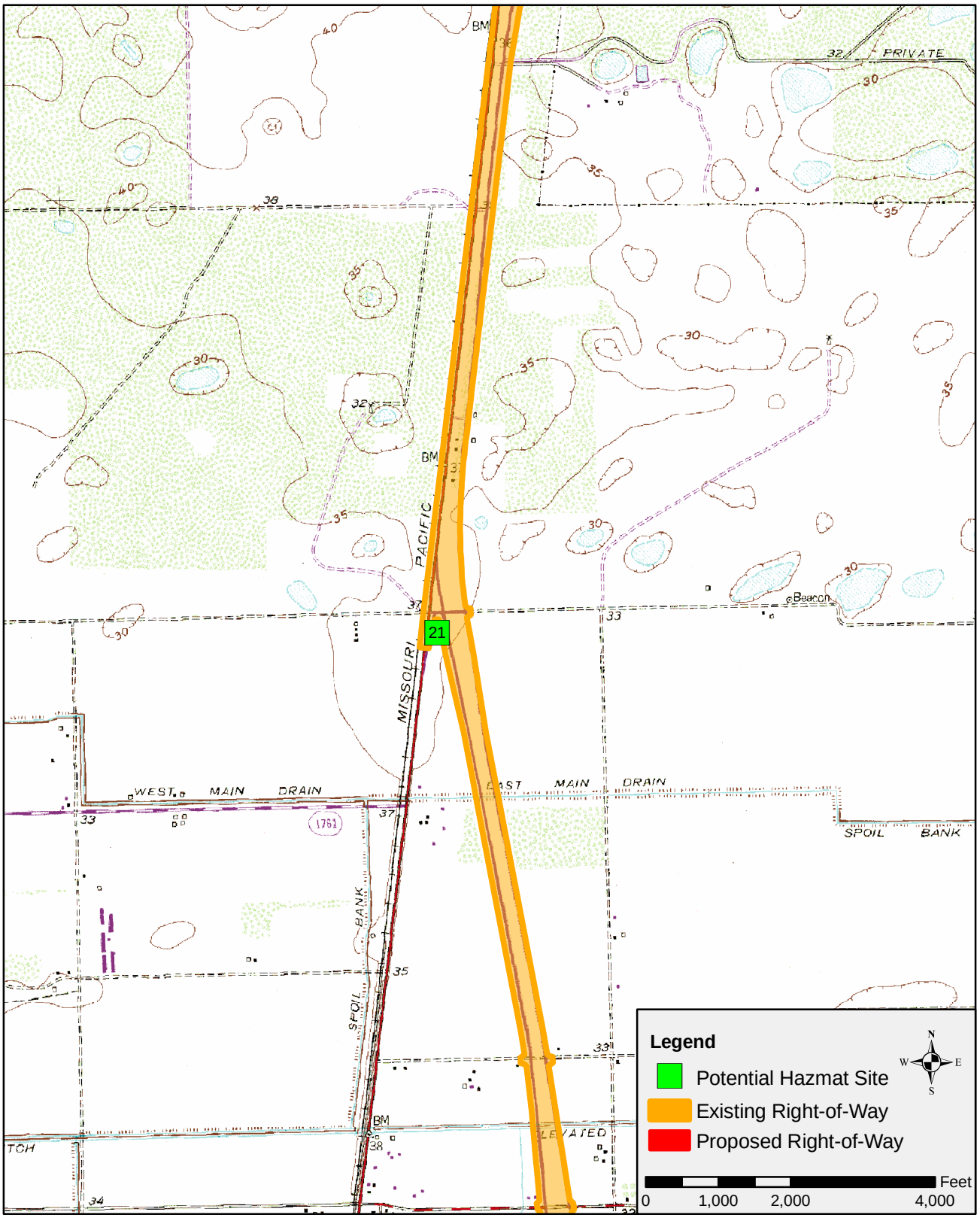
Nueces, Kleberg, Kenedy,
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-9

Date Created: January 2009

Figure A.4.13-10 Potential Hazardous Material Sites



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Nueces, Kleberg, Kenedy,
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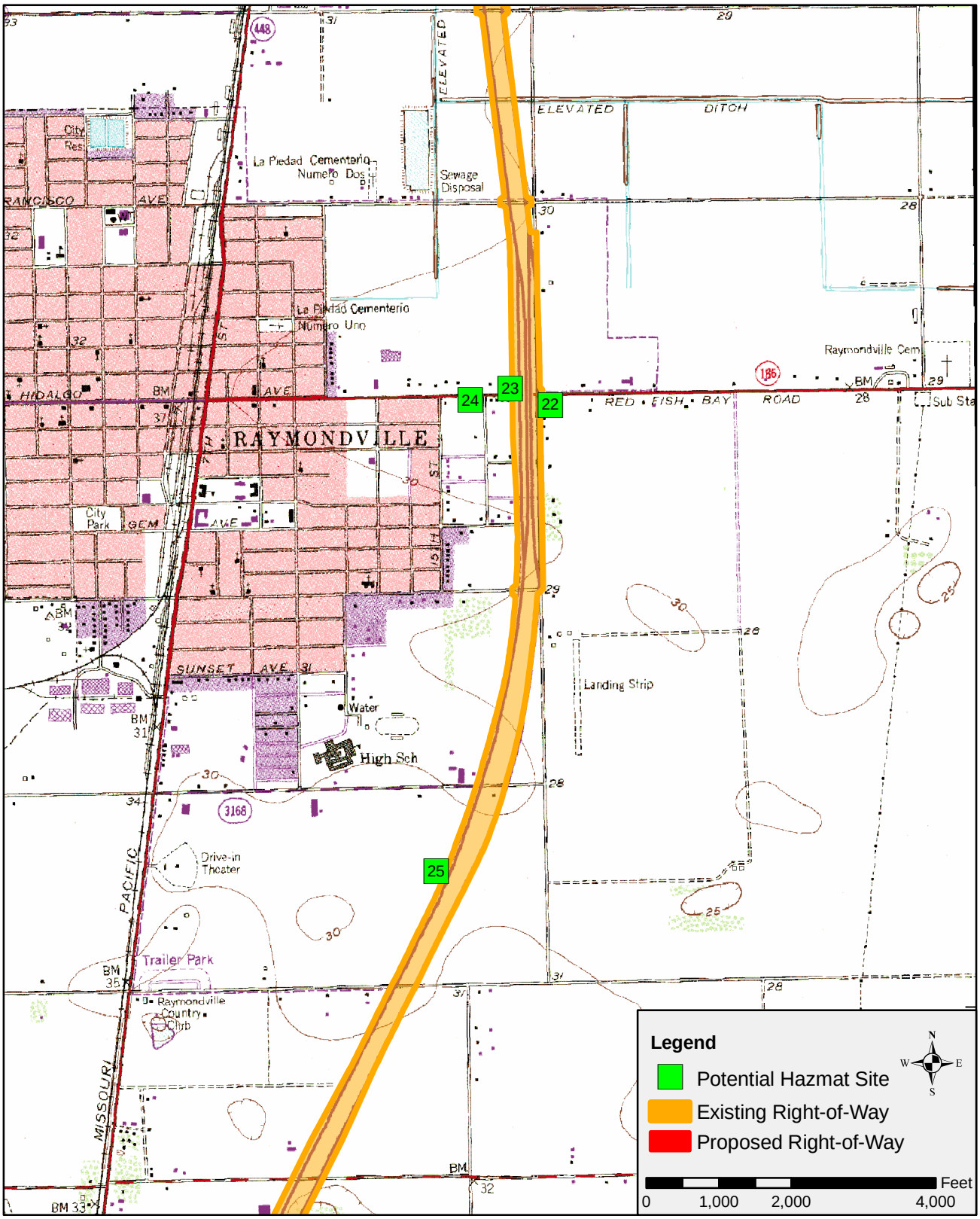
Potential Hazardous Materials Sites
Figure A.4.13-10

Date Created: January 2009

Figure A.4.13-11 Potential Hazardous Material Sites

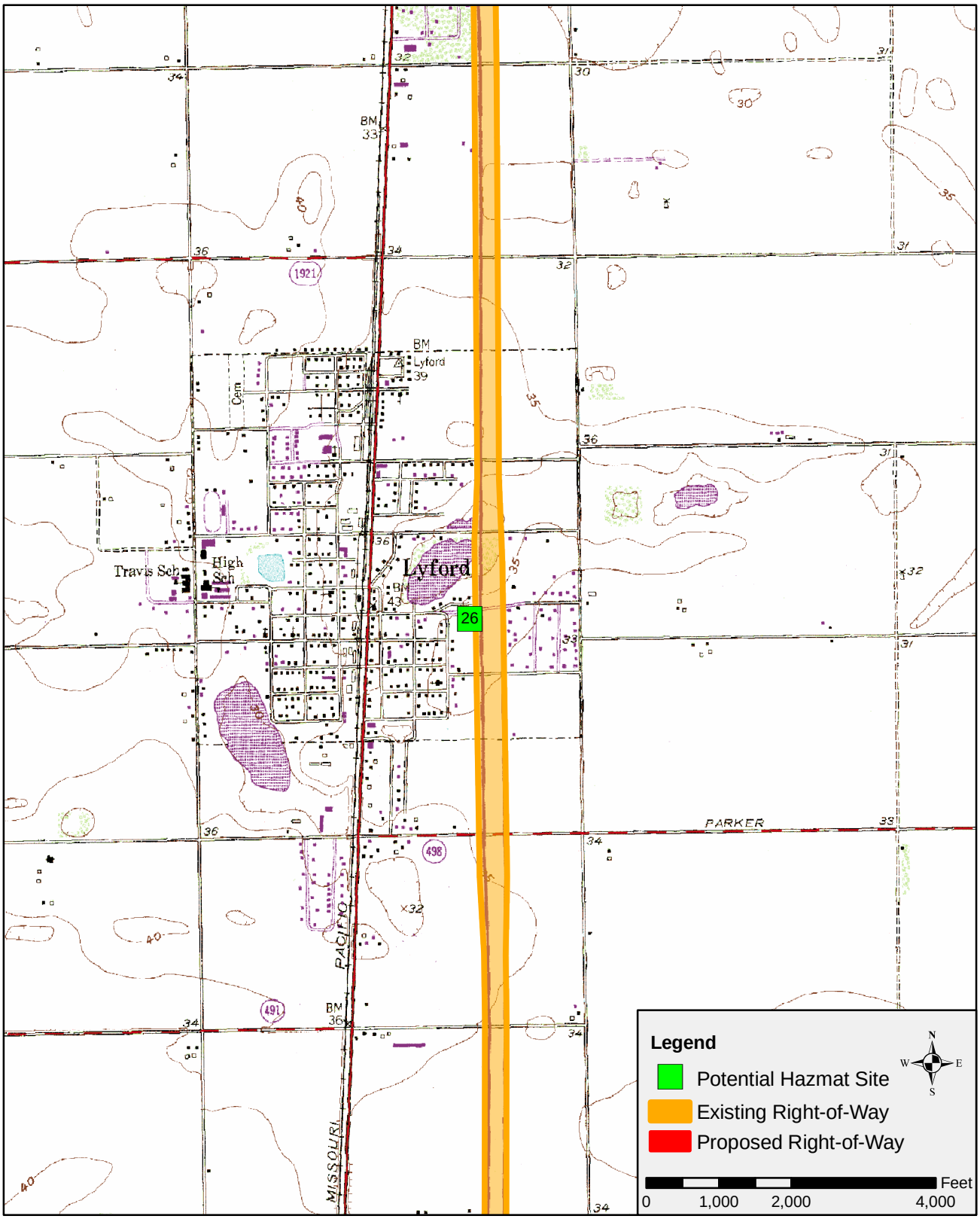


US 77 Improvement Project
Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-11

Date Created: January 2009

Figure A.4.13-12 Potential Hazardous Material Sites



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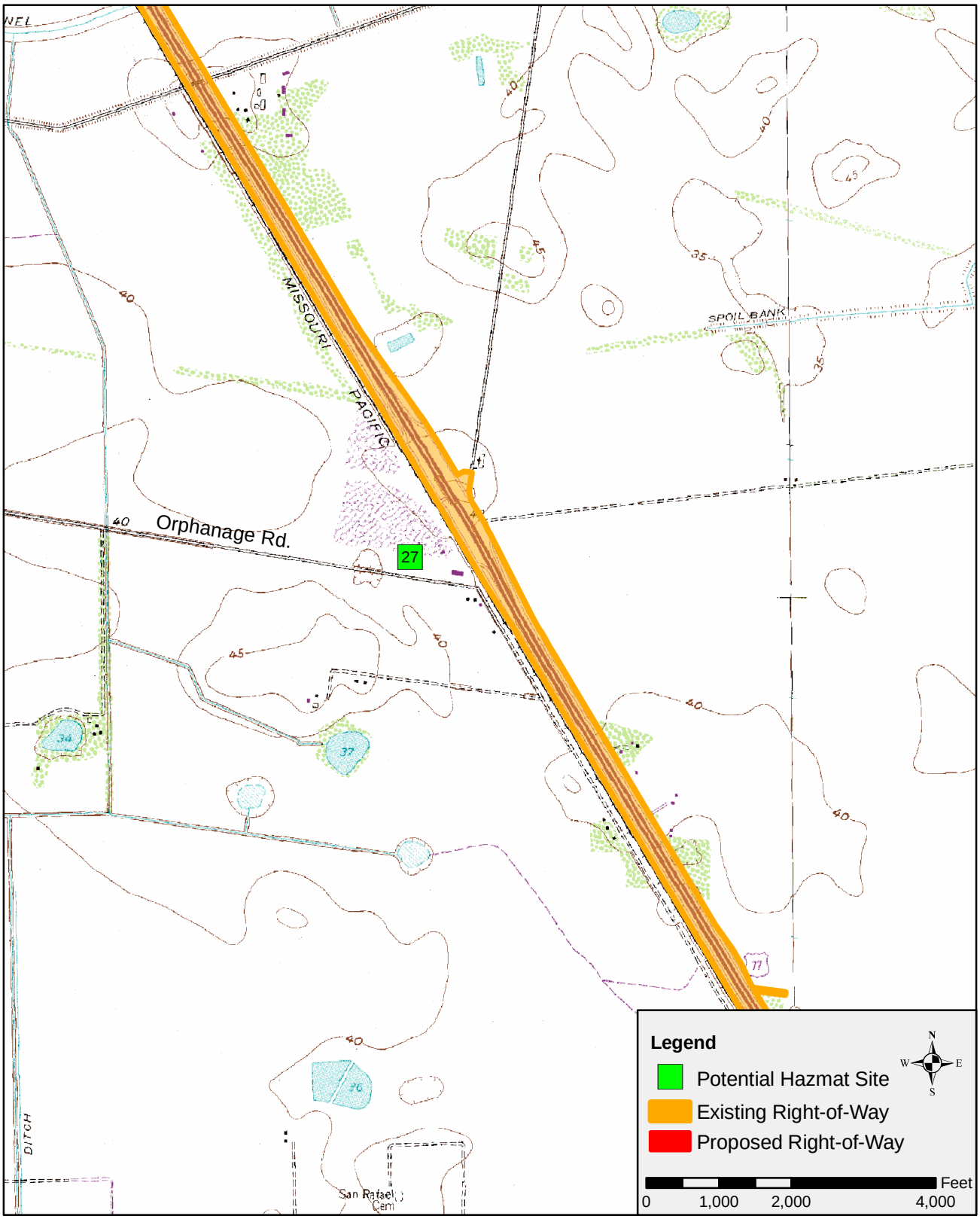
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-12

Date Created: January 2009

Figure A.4.13-13 Potential Hazardous Material Sites



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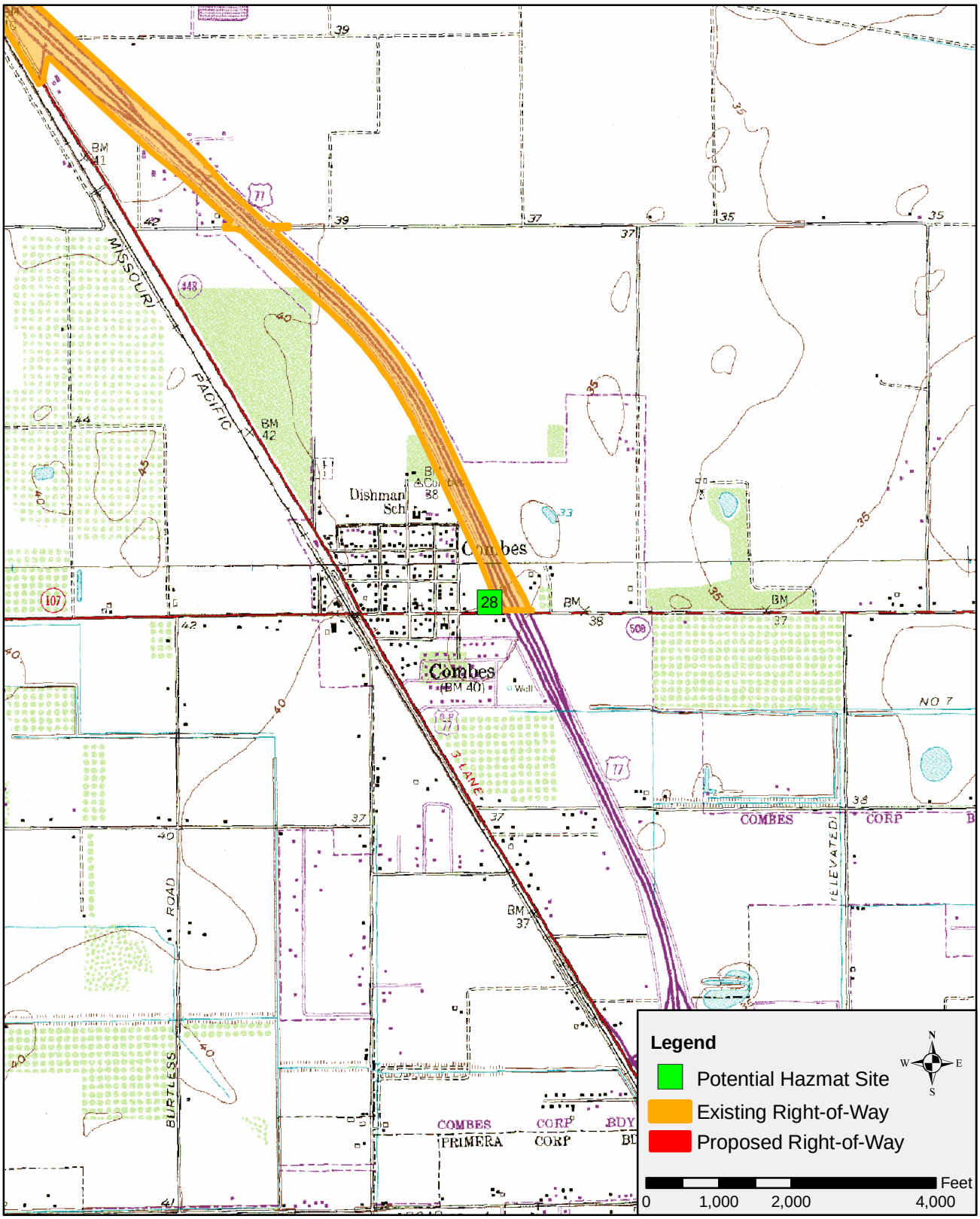
Potential Hazardous Materials Sites
Figure A.4.13-13

Date Created: January 2009

Figure A.4.13-14 Potential Hazardous Material Sites



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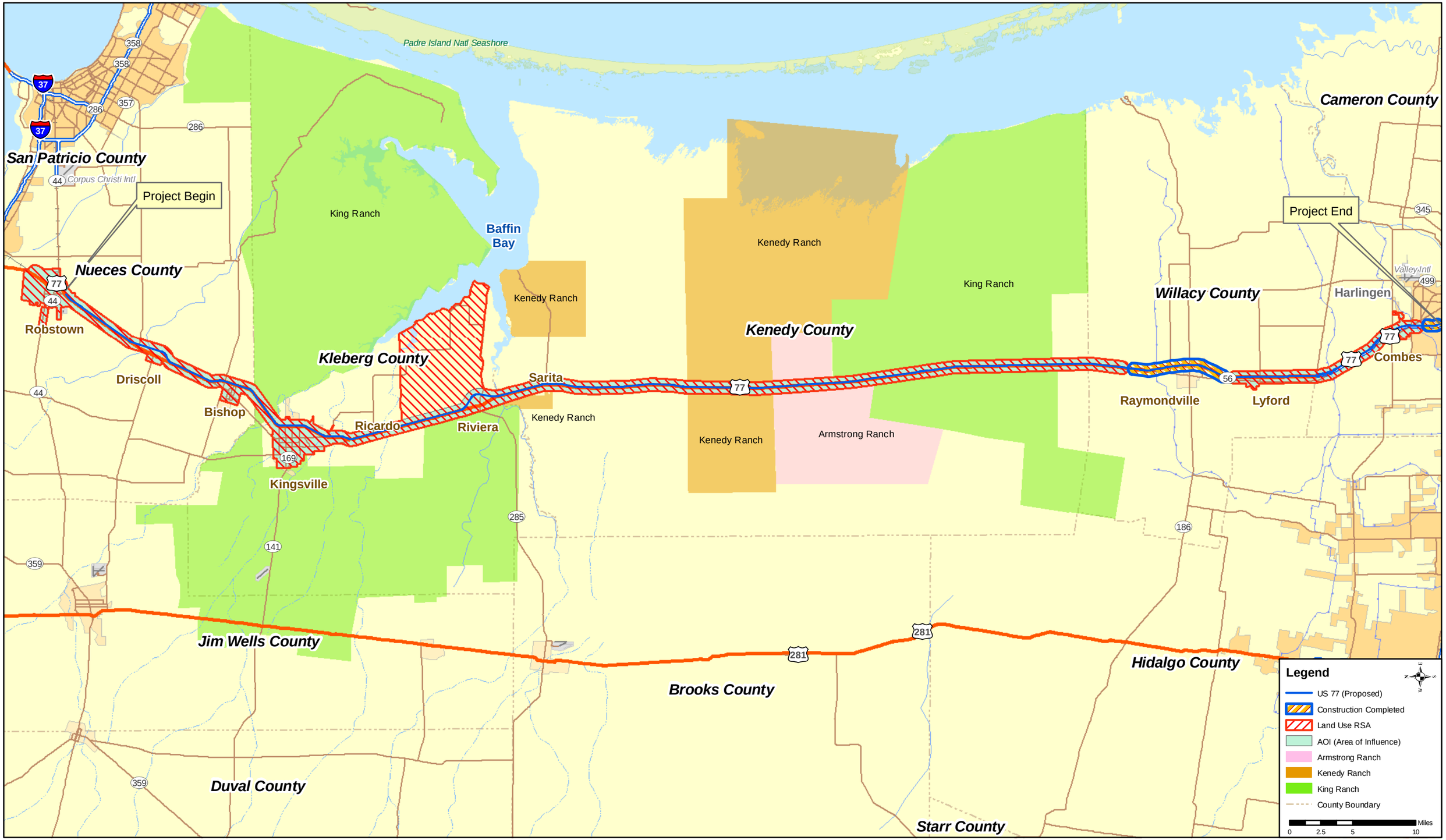
Willacy, and Cameron Counties

Potential Hazardous Materials Sites
Figure A.4.13-14

Date Created: January 2009

Figure A.5.1-1 AOI and Land Use RSA



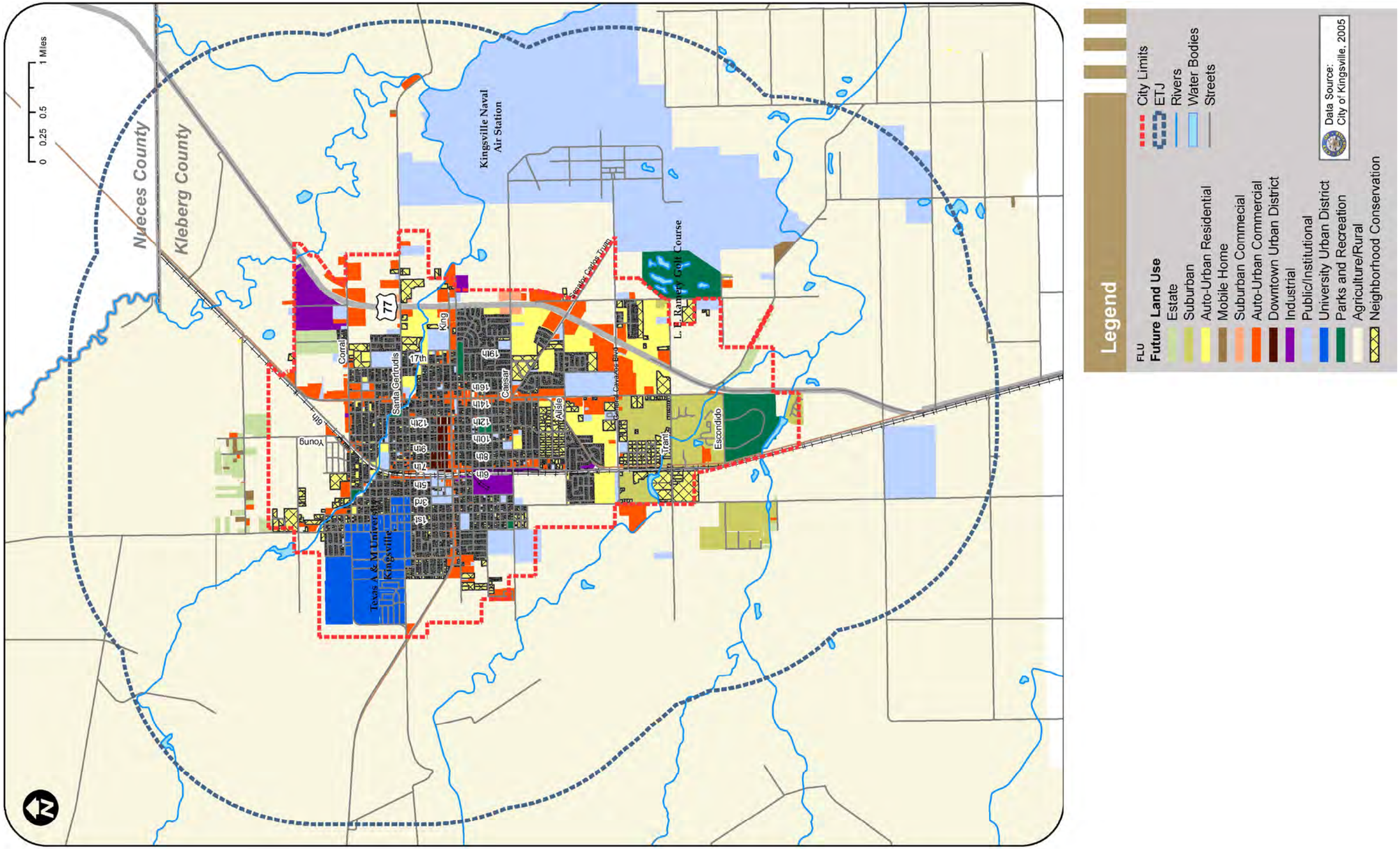
UPGRADE US 77 HIGHWAY

Nueces, Kleberg, Kenedy, Willacy, and Cameron Counties
CSJ: 1111-07-004

Figure A.5.1-1
AOI and Land Use RSA

Source: TNRIS Aerials(2005)
Jacobs: August 2010

Figure A.5.1-2 Kingsville Future Land Use Map

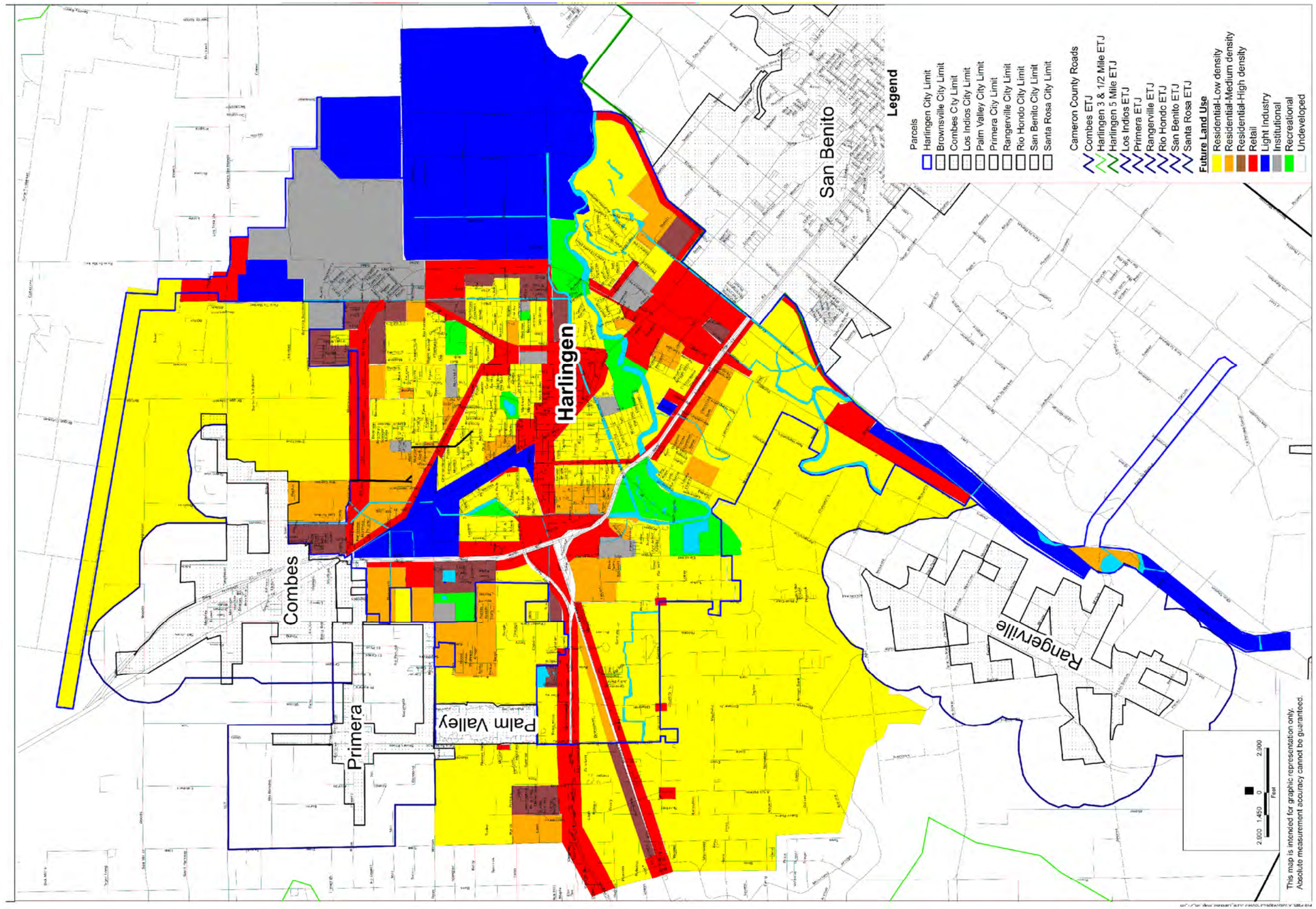


US 77 UPGRADE HIGHWAY

FIGURE A.5.1-2
KINGSVILLE FUTURE LAND USE MAP

L:\CAD\050202-US77\DGN\ENV-EXHIBITS\FIG 33 FUT LAND USE KINGSVILLE.dgn

Figure A.5.1-3 Harlingen Future Land Use Map



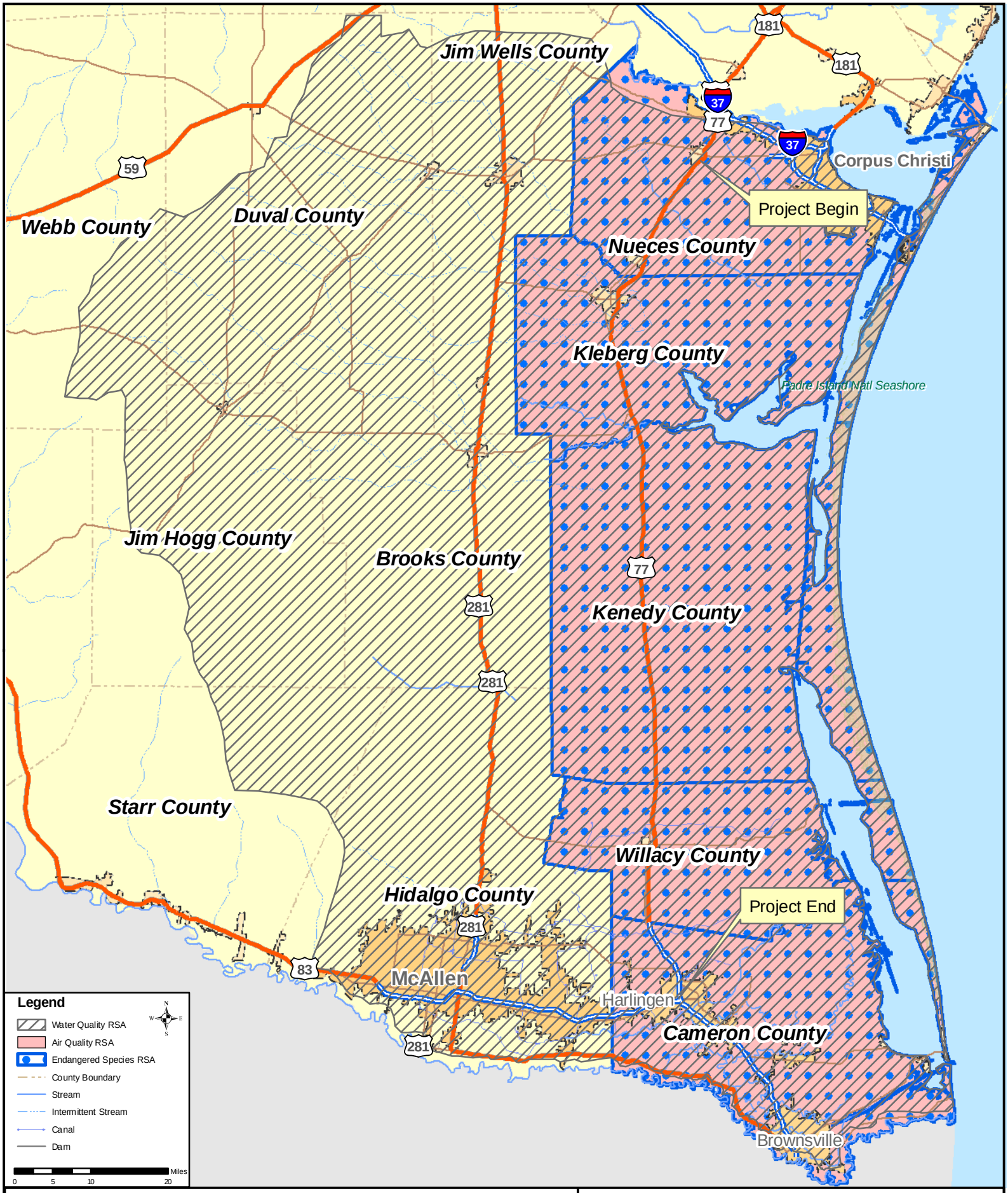
US 77 UPGRADE HIGHWAY

A COMPREHENSIVE PLAN
SHALL NOT CONSTITUTE ZONING
REGULATIONS OR ESTABLISH
ZONING DISTRICT BOUNDARIES

FIGURE A.5.1-3
HARLINGEN FUTURE LAND USE MAP

L:\CAD\050202-US77\DGN\ENV-EXHIBITS\FIG A51-3 FUT LAND USE.dgn

Figure A.6.2-1 Resource Study Area Water Quality, Air Quality, and Endangered Species



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CSJ: 1111-07-004

Figure A.6.1-1
Resource Study Area
Water Quality, Air Quality, and Endangered Species

Source: TNRIS Aerials(2005)
Jacobs: January 2010