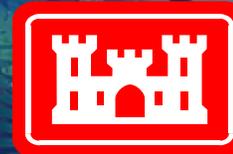




Tamiami Trail Modifications

Modified Water Deliveries to the Everglades National Park Project

Industry Day
20 June 2008



US Army Corps
Of Engineers
Jacksonville District

Tamiami Trail Modifications

Technical Overview:

Gwen Nelson P.E., Engineering Technical Lead

Stephen Myers P.G., Project Geologist

Jose Pena P.E., Project Structure Engineer

Jim Riley, Environmental Engineer

Construction:

George Cooper P.E., Area Engineer

Contracting Opportunities:

Pauline Smith P.E., Project Manager

Claurice Dingle, Contracting

Beth Myers, Deputy for Small Business

Targets for Design & Construction

- Industry Day 20 JUN 08
- Corrected Final Design 21 JUL 08
- Advertise Construction Contract 22 JUL 08
- Bid Opening AUG 08
- Award Construction Contract SEP 08
- Notice to Proceed OCT 08

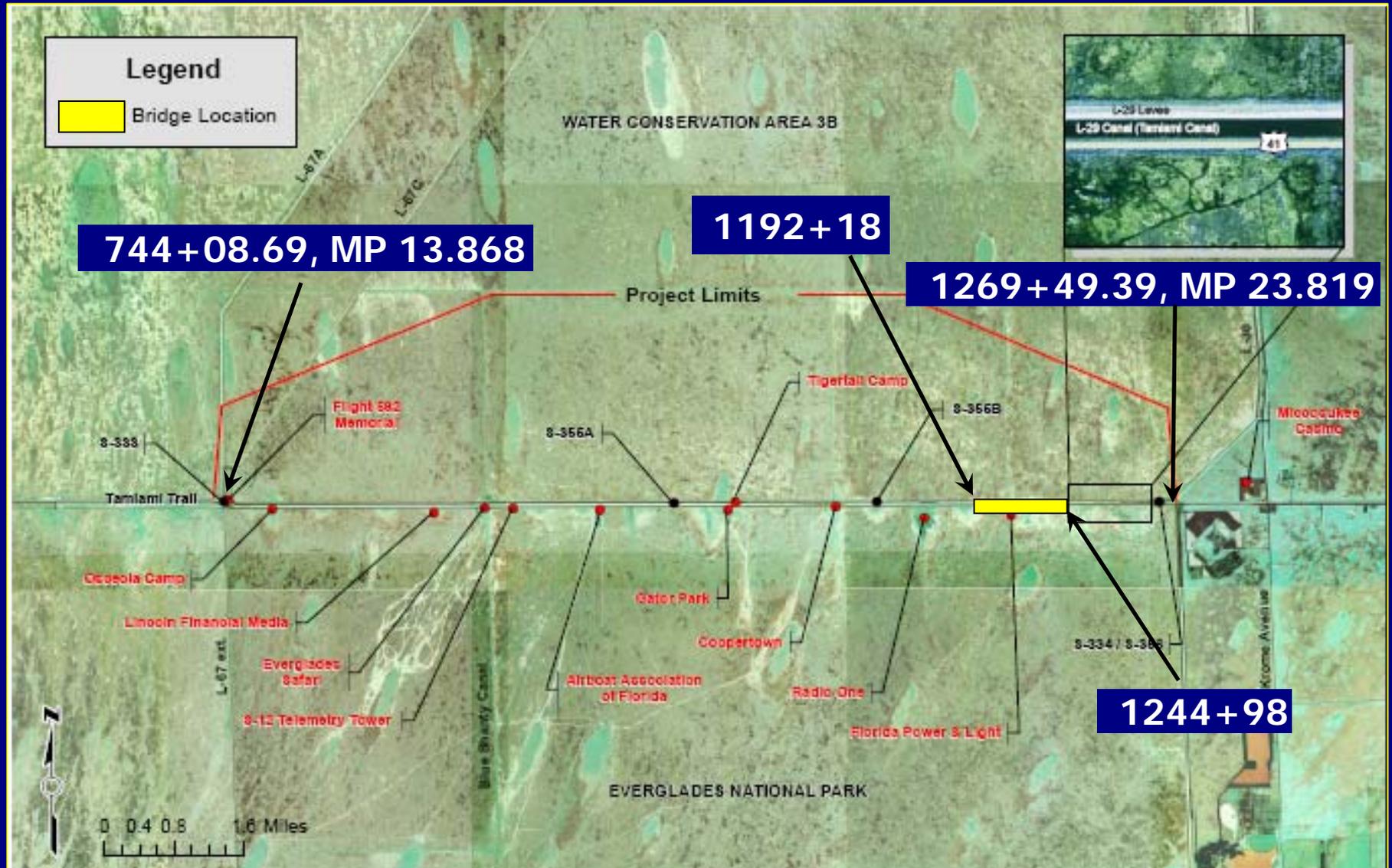
Engineering Design

Tamiami Trail Modifications

Plans and Specs Coordination

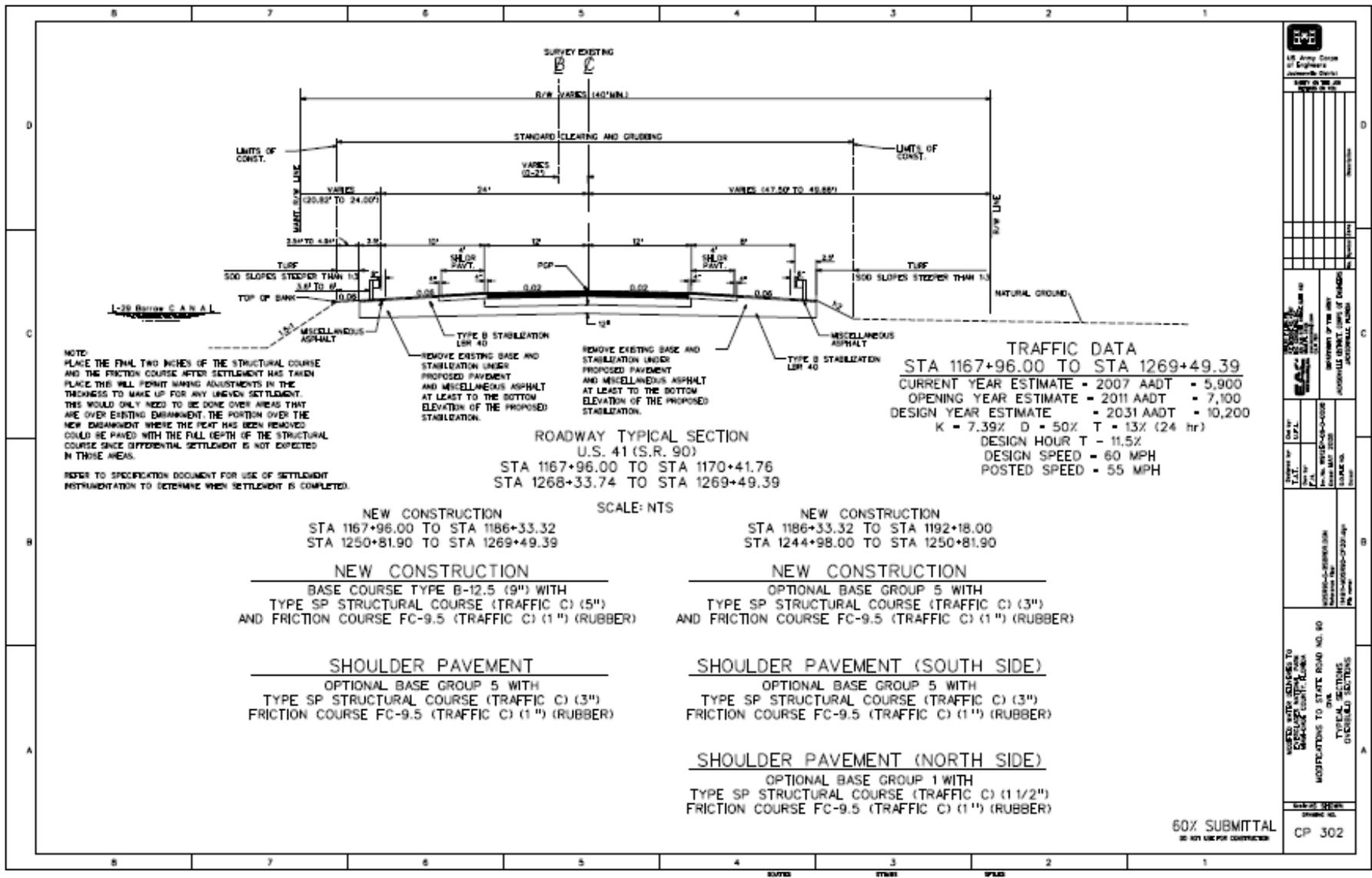
- Specifications and Plans are a mixture of FDOT and Corps Guidelines
- An FDOT specification book will be part of the final specifications
- Measurement and Payment will be per Corps Specifications
- Reference to FDOT specifications are found in the technical specs

Project Area

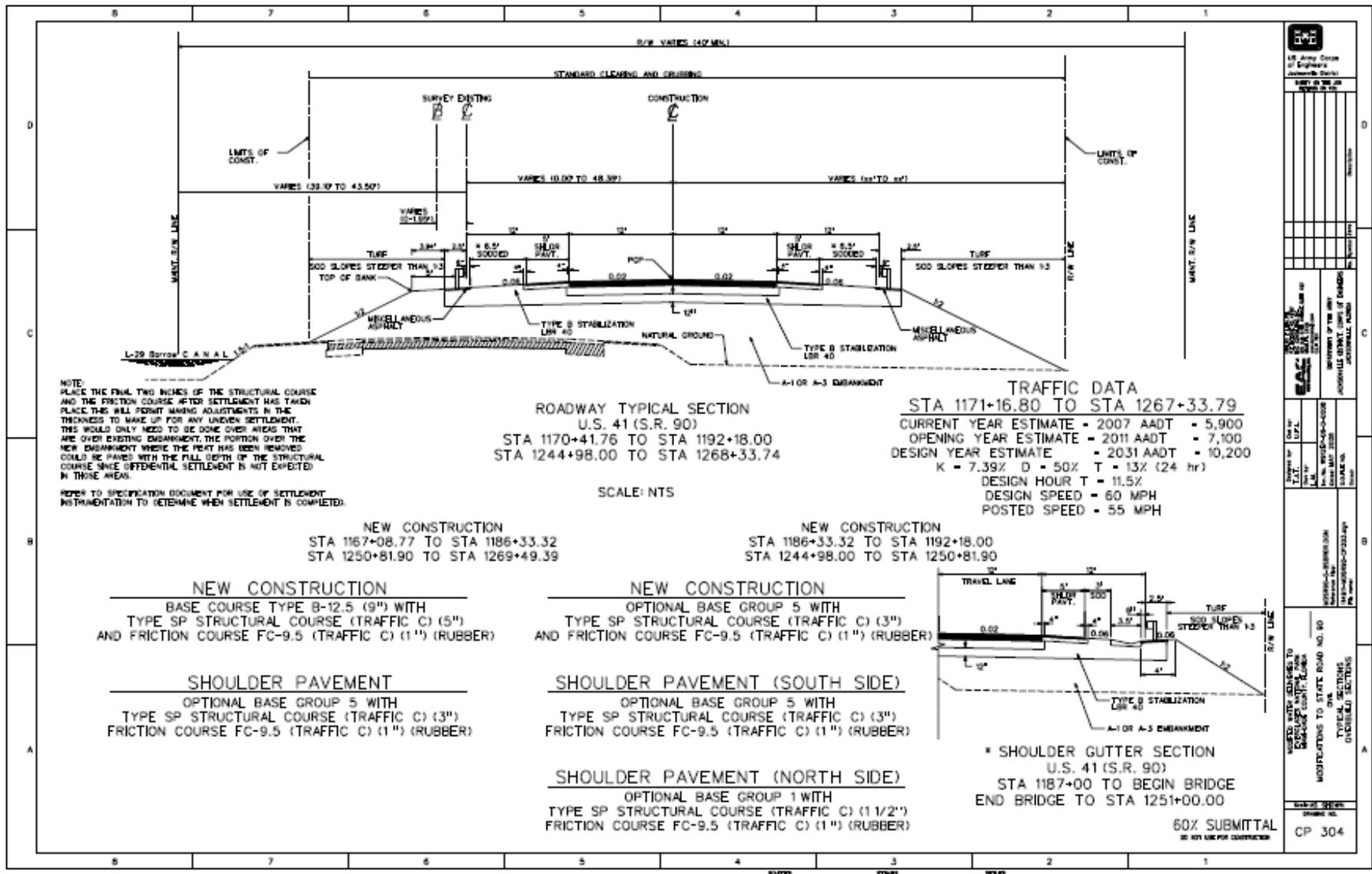


Tamiami Trail Modifications

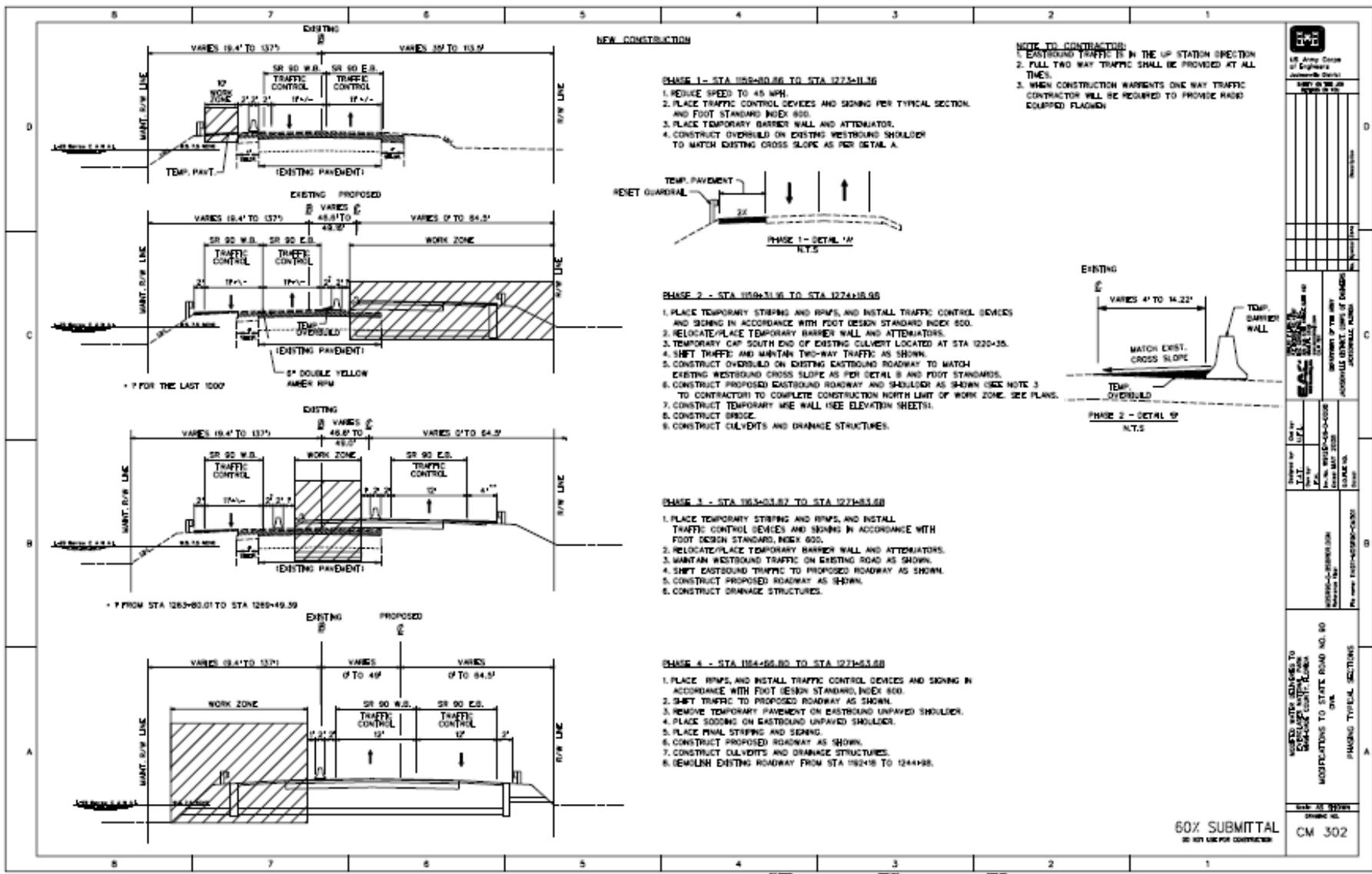
New Construction



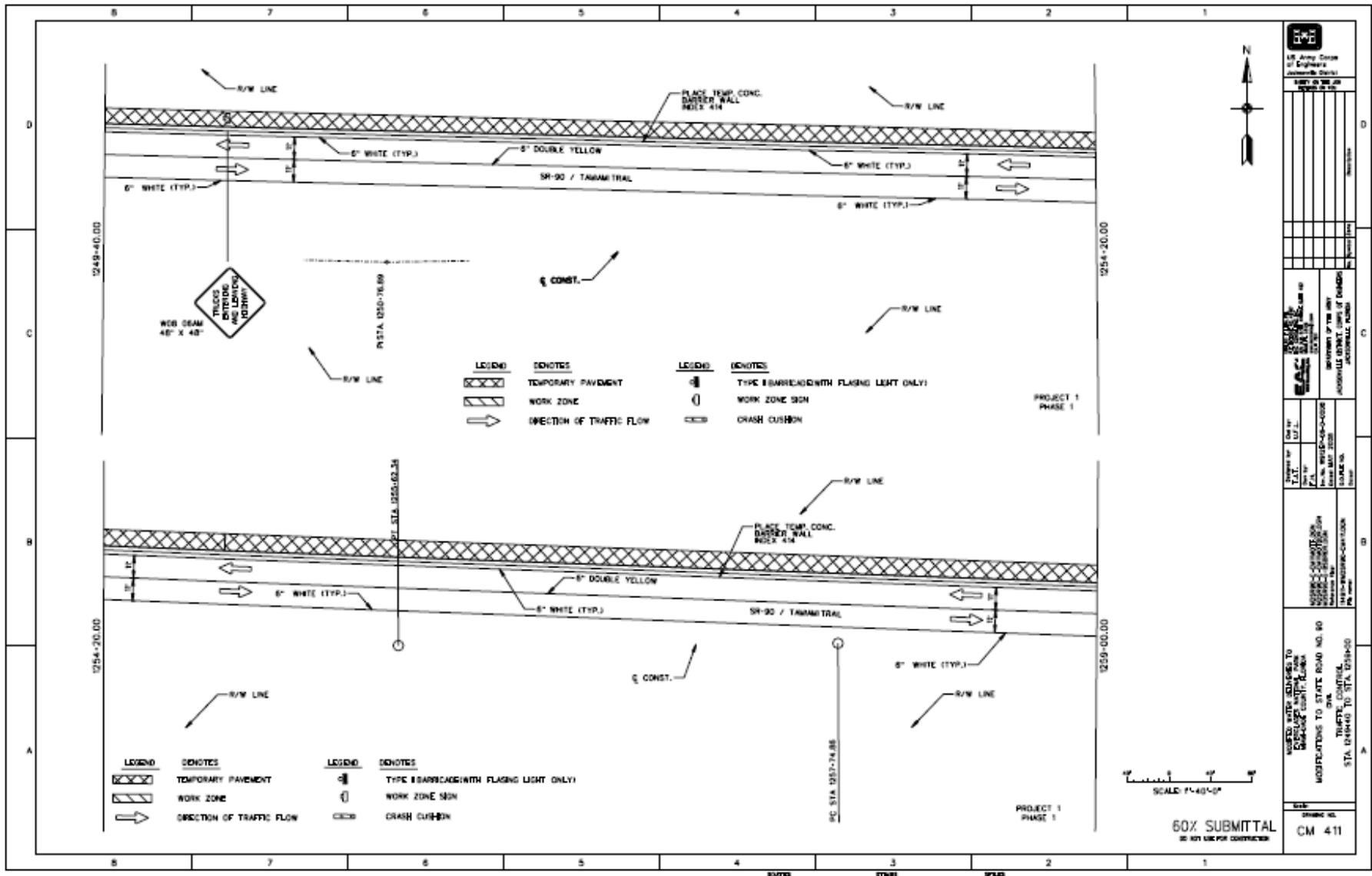
Transition Construction



Transition MOT



MOT Plan at Transition



 US Army Corps of Engineers Jacksonville District	
Project No. _____ Sheet No. _____ of _____	Date _____
Design by _____ Drawn by _____ Checked by _____ Title _____	Approved by _____ Date _____
PROJECT 1 PHASE 1	
STA. 0254+00.00 TO STA. 0259+00.00	

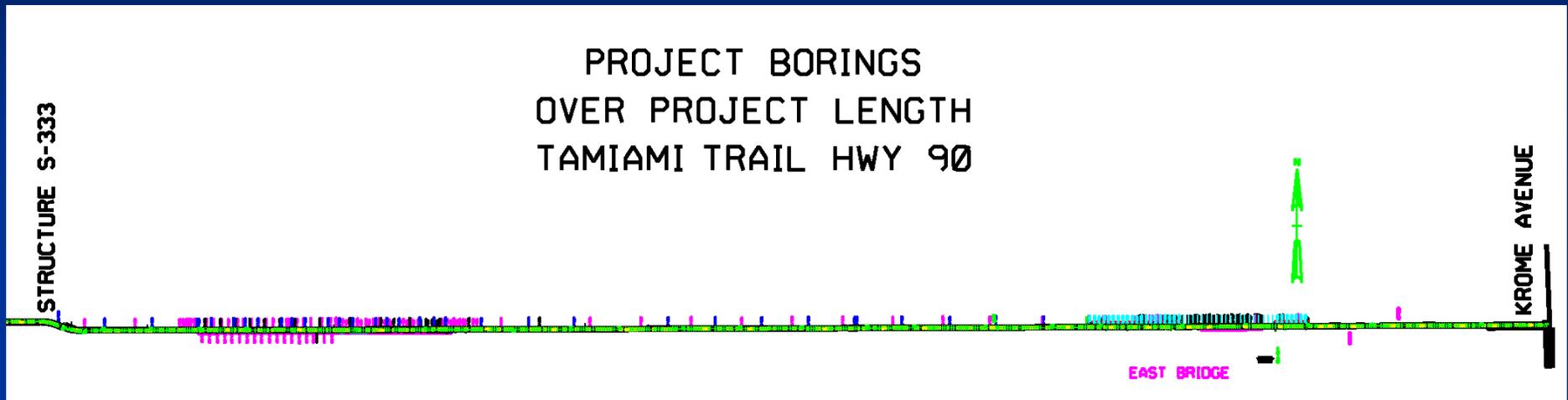
Construction Coordination

- Business Access
- Access to L-29 Levee
- Other Contractors in Area

Geotechnical Information

Tamiami Trail Modifications

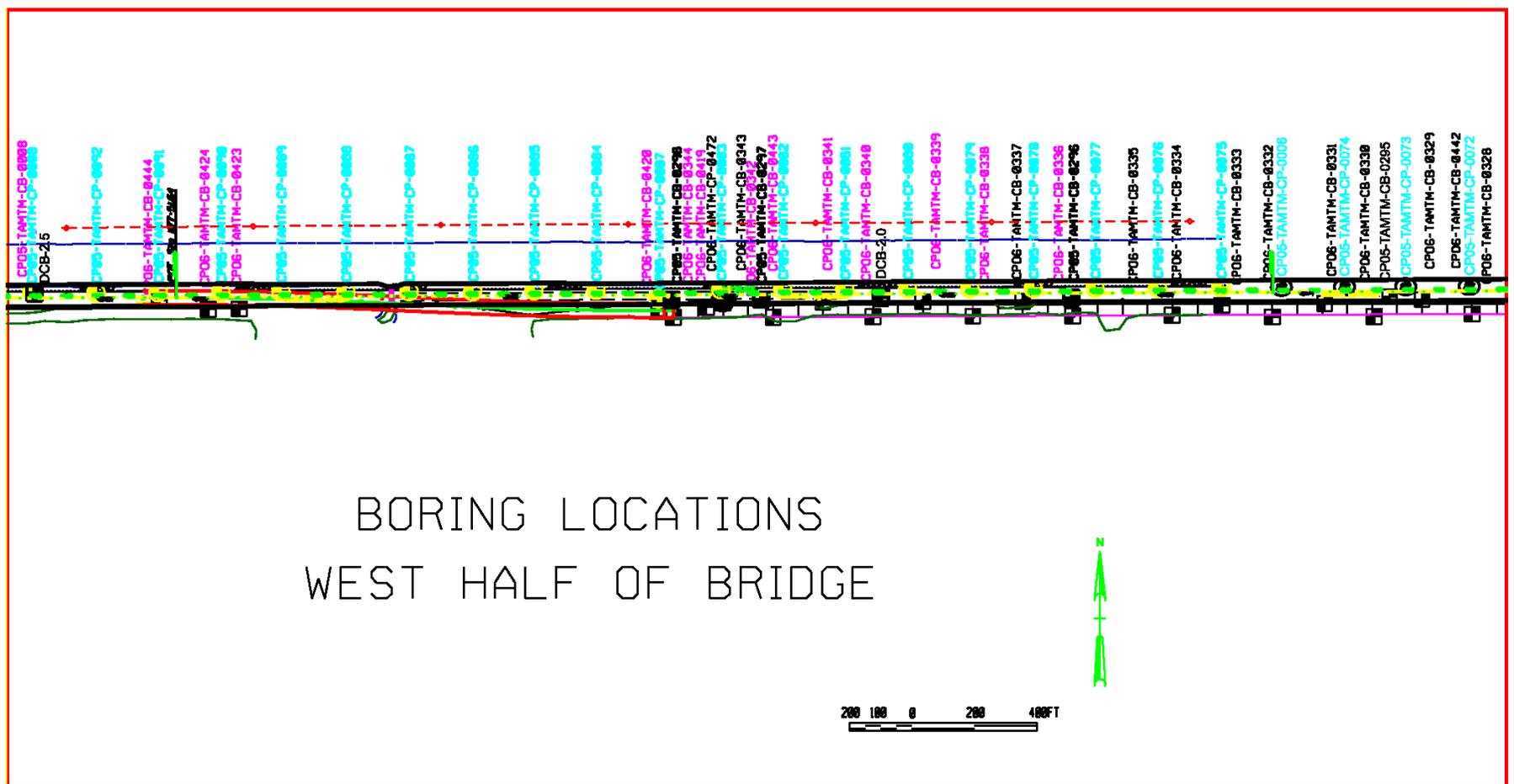
State Road 90 Borings



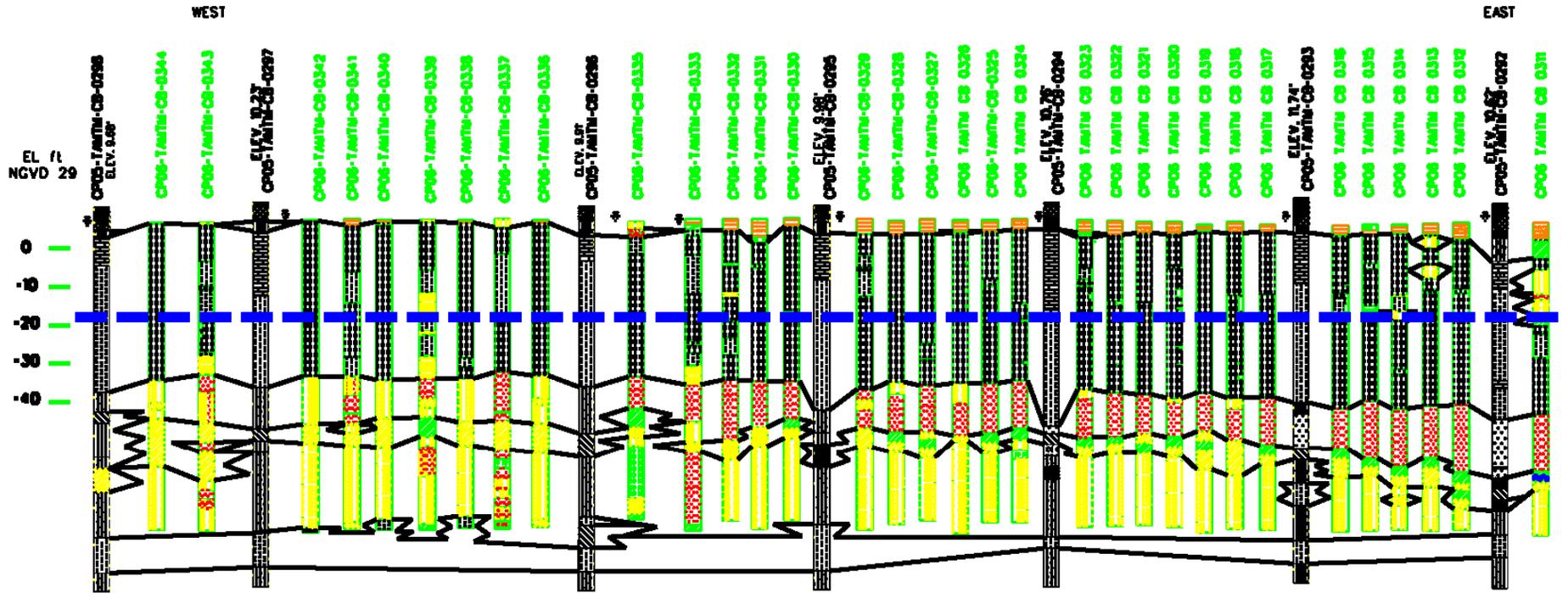
- Distribution of borings for project
- >200 SPT Borings along project
- >300 CPT locations

1-mile Bridge Boring Locations

- Roadway and bridge bent borings
- CPT in roadway



Geologic Profile of Bridge



PILE TIP ELEVATION -18.0 FT.

LEGEND

- | | | | | | |
|--|------------|------------|--------------------|---------------------------|----------------|
| CLAY FAT | CLAY SANDY | SILT ORG. | SAND POORLY GRADED | LIMESTONE HARD | PEAT |
| CLAY LEAN | SILT | SAND SILTY | GRAVEL SILTY | LIMESTONE MODERATELY HARD | LIMESTONE SOFT |
| Refer to core borings for detailed soil descriptions | | | | | |

BRIDGE SECTION

Tamiami Bridge Overview

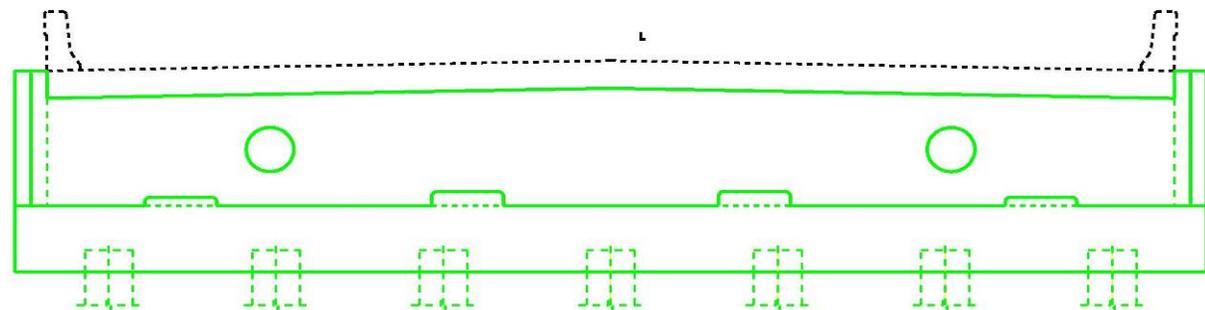
Tamiami Trail Modifications

General Information

- Bridge Length – 1.0 Mile
- 66 Spans
- 80 Ft span length

Substructure

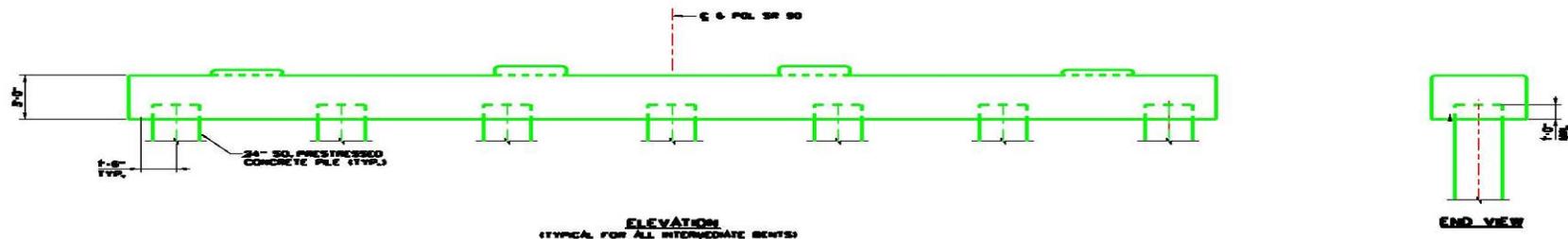
End Bents – Two



ELEVATION

Substructure

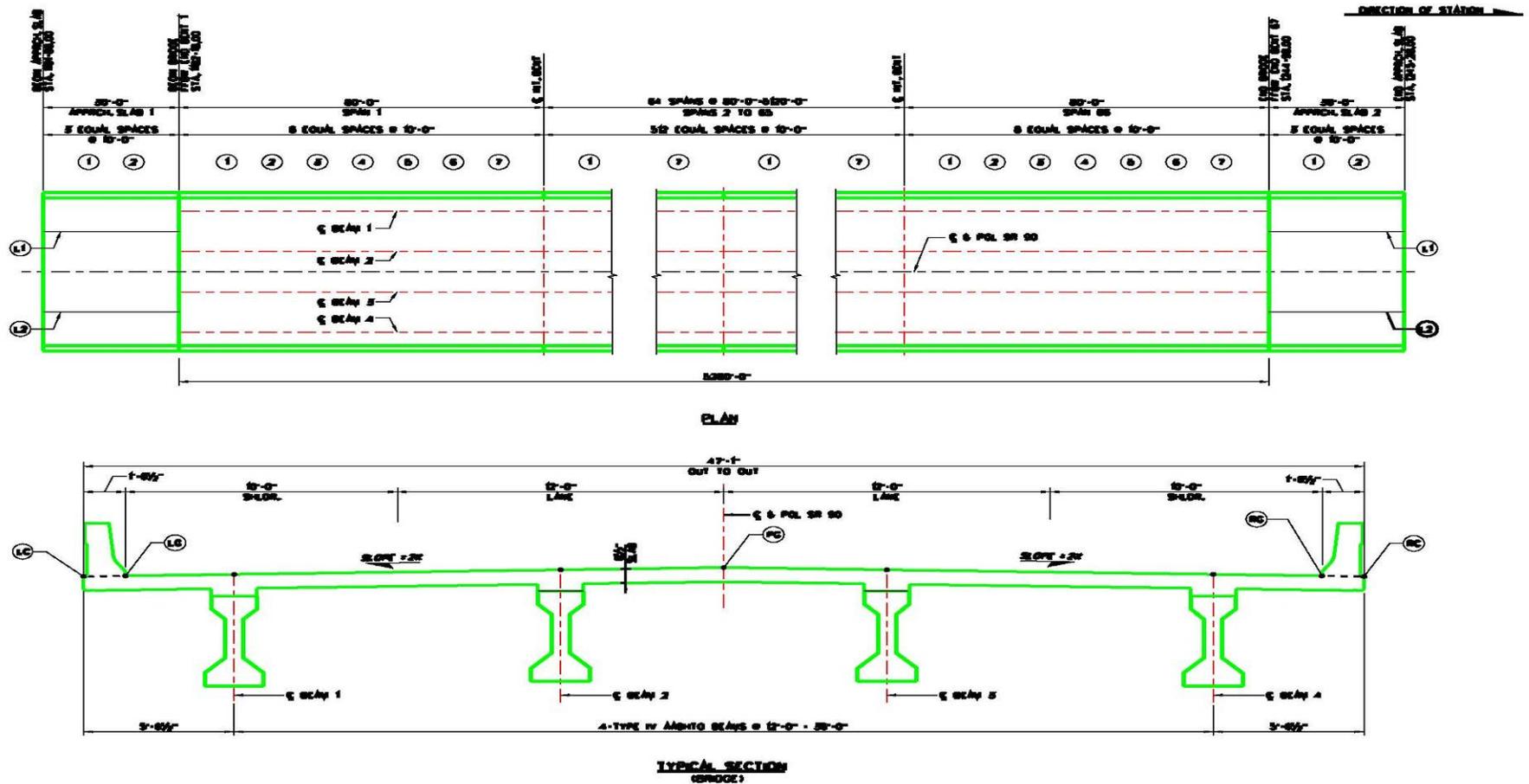
- Intermediate Bents – 65
 - Seven - 24" Prestressed Concrete Piles



Superstructure

- Slab Deck
- Two lanes - 12 Ft.
- Two Shoulder – 10Ft.
- Type IV AASHTO Beams
 - Four per Span

Superstructure



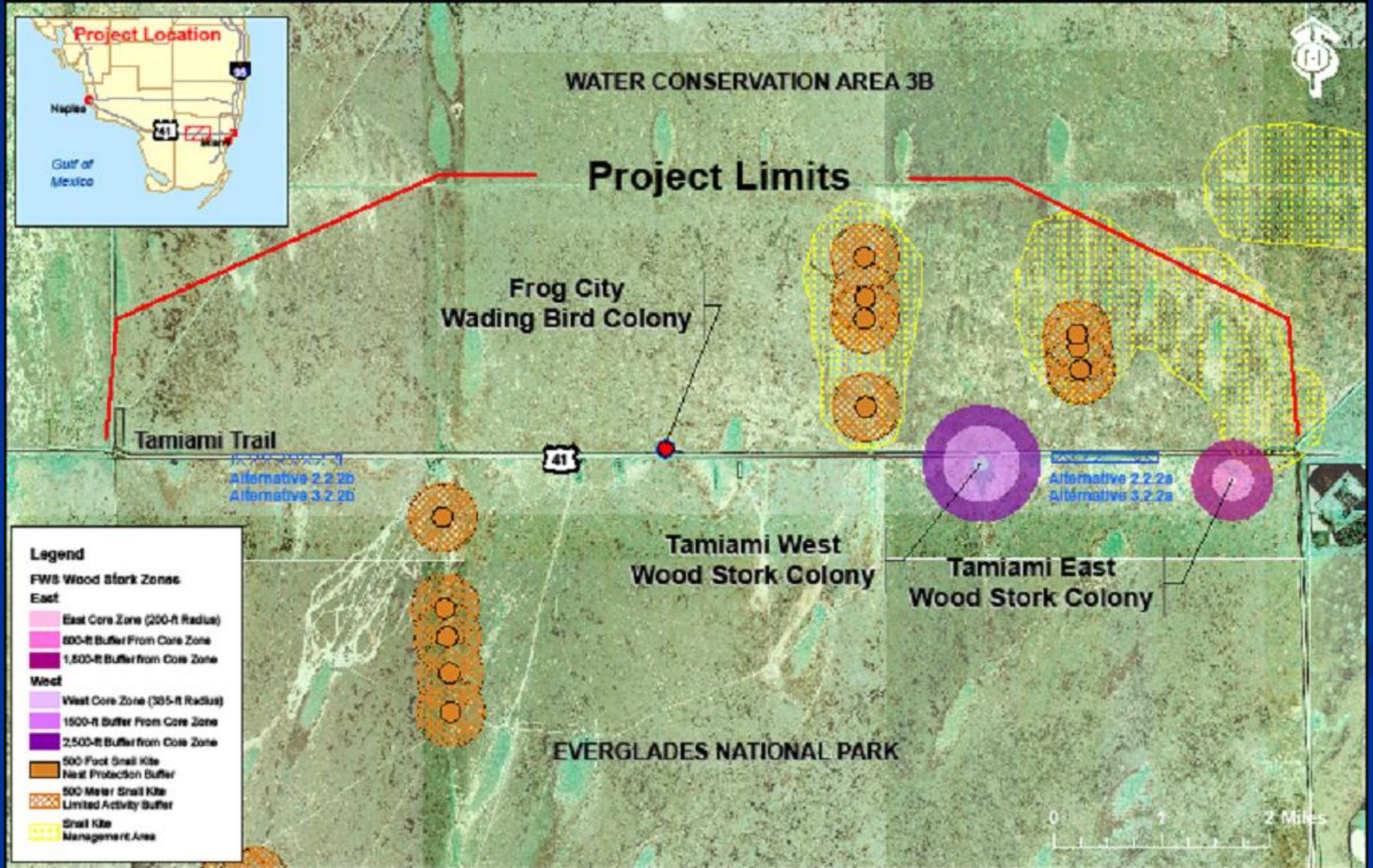
Environmental Considerations

Tamiami Trail Modifications

Threatened & Endangered Species

- Birds – May have to sequence work
- MINK
- Tortoises (NOT expected)
- Indigo Snakes (NOT expected at construction site)
- Manatees (NOT expected)
- Panthers (NOT expected)
- **BOTTOM LINE... do NOT harm, harass or kill. Must brief construction staff on what they look like, their habitat, etc.**

Snail Kite & Wood Stork Nesting



Turbidity Control

- Turbidity Control System/Barrier to be established as first order of work at the construction site
- Access to ENP... NOT allowed UNLESS specifically authorized
 - Whether on foot OR
 - With equipment
 - TURBIDITY BARRIER SYSTEM will be the boundary

Waste Management

- Hazardous Toxic and Radioactive Waste...
NONE expected
- Keeping Wastes Segregated
 - Saves money AND
 - Prevents hassles

Archaeological Resources

- Archaeological Resources... NONE expected
- What to do if you find it

Temporary Impact Areas

- Protection
- System has to be proposed by contractor and then approved by Corps

Construction Management

Tamiami Trail Modifications

Tamiami Trail Modifications

Construction Management



Key Construction Management Elements

- Quality Control / Quality Assurance
- Accident Prevention
- Contract Administration
- Partnering
- Performance Evaluations

Tamiami Trail Modifications

Construction Management



Quality Control / Quality Assurance

- 3-Phase Inspection System by Contractor
- Documentation & Management through Resident Management System / Quality Control System (RMS/QCS)
- Close-out Requirements
- Contractor Quality Control Class

Tamiami Trail Modifications

Construction Management



Accident Prevention

- Contractor required to have a Safety Management Plan approved by Corps
- EM 385-1-1, Safety & Health Requirements Manual
- Accident Reporting Requirements
- Encourage Incentive Programs & Recognition of Contractor Personnel

Tamiami Trail Modifications

Construction Management



Contract Administration

- South Florida Area Office will administer contract
- Area Office (ACO) contractual authority for change orders \leq \$500K
- Change Orders above \$500K require Contracting Officer Approval (Jacksonville)
- Prompt Payment Act requires payment within 14 days of receiving a properly submitted pay request. Beyond 14 days interest accrues.
- Prompt Payment Act requires prompt payment to Subcontractors and Suppliers and certification thereof.

Tamiami Trail Modifications

Construction Management



Partnering

- Encouraged by Contracting Officer
- Focuses on Common Goals
- Emphasizes Open Communication & Issue Resolution
- Initial Workshop & Re-groups
- Partnering does not change contract requirements

Tamiami Trail Modifications

Construction Management



Performance Evaluations

- CCASS - Performance Evaluation System
- Evaluation Elements
 - ✓ Effectiveness of Management
 - ✓ Quality Control
 - ✓ Timeliness of Performance
 - ✓ Compliance with Safety Standards
 - ✓ Compliance with Labor Standards
- Interim Evaluations

Contracting Procedures

Tamiami Trail Modifications

Proposed Contract Types

- Firm Fixed-Price (FFP) Construction Contract (Bridge and Road)
- Indefinite Delivery Contracts (IDC): A/E & Support Service Contracts

Proposed Procurement Strategy

- Source Selection (RFP) approach
- Technical factors, Past Performance, other non-technical factors & Price evaluations
- Tradeoff between non-price factors and Price

Acquisition Process

- Develop Solicitation Package
- Advertise Solicitation
- Evaluate Proposals
- Award

Develop Solicitation Package

- Establish technical requirements
- Design
- Obtain necessary approvals & permits
- Develop specifications and design drawings

Advertise Solicitation

- Via the Internet
 - Federal Business Opportunities
 - Federal Technical Data Systems
 - Jacksonville District Website
- Site visits & conferences
- Question/Answer (Q/A) period
- Issue solicitation
- Pre-proposal conference
- Final Q/A
- Receipt of proposals

www.fedbizopps.gov

www.fedteds.gov

www.saj.usace.army.mil



Evaluate Proposals

- Source Selection Evaluation Teams (technical factors)
- Review of non-technical factors
- Price analysis (reasonableness)

Award Contract

- Award to responsive, responsible contractor
- Best value based on requirements of solicitation

Central Contractor Registration (CCR) System

- Mandatory registration by DOD before any contract award
- Only exception to registration are VISA purchases
- For paper registration: 1-888-227-2423
- Online registration: <http://www.ccr.gov/>
- Registration assistance: 1-888-227-2423

Subcontracting

- Subcontract Plan Requirements
 - > \$1 Million for construction contracts
 - > \$500K for all other contracts
- Prime contractor must submit a subcontract plan for approval
- Prospective vendors/subcontractors must do their own networking

THANK YOU.