



2024 FUCC Fall Conference Minutes

ChatGPT Summary

Summary of the 2024 FUCC Fall Conference Minutes

November 6-8, 2024 | World Golf Village Renaissance Resort, St. Augustine, FL

1. FUCC Officers & Steering Committee Meetings

- **Budget & Expenses:**
 - Fall meeting budget set at **\$33,000**, sufficient funds available.
 - Treasurer **Jodi Rano** to coordinate anticipated expenses (banquet, promotional items, speakers, awards, meals, insurance, AV equipment).
 - **Summer 2025 Meeting:** No contract yet; Chairman **Stephen Waidley** to reach out to **Cocoa Beach Hilton**.
 - **Audit Discussion:** Proposal to change "audit" in bylaws to "review" for financial transparency.
- **Steering Committee Vacancies:**
 - Openings for **Telecom & Governmental Non-Utility** positions.

2. Conference Planner & Sponsorships

- **Conference Planner, Lori McLaughlin, seeks assistance. Mariah Mader (KCI)** may help.
- **Sponsorship Review: Melonie Schwartz** to propose revisions at the Spring Executive Committee meeting.

3. Sunshine 811 Updates (Brian Dean)

- **Ticket Volume Down 4.5% in 2024.**
- **Top Damage Causes:**
 - Failure to notify **811**, excavation errors, marking inaccuracies.
- **Citations: 153 issued, \$128,904.54 in fines.**
- **New Online Enforcement Program:** Training videos and interactive modules launched.

4. Key Presentations & Discussions

Pedestrian Detours & Safety Solutions (Gevin McDaniel, SpanPath LLC)

- Introduced **SpanPath**, a modular, reusable **temporary sidewalk solution**.
- **Benefits:**

- No additional ROW space needed, eliminates pedestrian detours.

Utility Coordination & Design-Build Approaches (Walter Kloss, WGI)

- **Overview of Project Delivery Methods:**
 - **Design-Bid-Build (DBB)** – Traditional, but slow.
 - **Design-Build (DB)** – Faster, but higher risks.
 - **CMAR/CMGC** – Faster, retains design control.
 - **Public-Private Partnerships (PPP)** – Best for large projects.
- **Risk Mitigation in DB Projects:**
 - Utilities **not always considered early**, leading to **costly relocations and delays**.

FDOT Forum & Updates (Patrick Overton, FDOT)

- **Hurricane Response Efforts:** Debris clearing, power restoration, GIS tracking app in use.
- **BABA Compliance (Buy America, Build America):** Updates expected in December.
- **Utility Work Schedule (UWS) Training Planned.**
- **NEXT GEN Projects:** Limited bids, extended timelines—phasing out after completion.

5. Water/Wastewater Infrastructure Protection (Miami-Dade & Florida Rural Water Association)

- **Challenges: Increasing Ticket Requests & Utility Damages.**
 - **AT&T Fiber Expansion, FPL Hardening, FDOT Projects** increasing workloads.
 - **Contractors damaging pipes weekly** in areas like Pompano Beach, causing sinkholes and service disruptions.
- **Legislative Updates (FS 556 amendments for 2026):**
 - **Potential changes:** Distance-based large project tickets, improved enforcement.
- **No state agency currently enforces FS 556 regulations.**

6. Underground Utility Mapping & SUE (Albert Taylor, DRMP)

- **Subsurface Utility Engineering (SUE) Levels:**
 - **QL-D (Research)** – Highest risk.
 - **QL-C (Field Investigation).**
 - **QL-B (Utility Designation).**
 - **QL-A (Vacuum Excavation)** – Lowest risk, highest accuracy.
- **Benefits of SUE:**
 - **Reduces unnecessary relocations and improves safety.**

7. Additional Key Takeaways

- **Summer Banquet Theme:** "FUCC Under the Big Top" (Circus Theme).
- **Forming a Financial Review Committee.**
- **Networking Event Held.**

- Seeking Secretary Nominee (4-year commitment, non-consultant).
- Encouraging Local UCC Participation to Improve Coordination.

Final Thoughts

The conference emphasized **improving coordination, safety, and planning for underground utility projects**. Key discussions centered on **project delivery methods, storm recovery, utility damages, legislative updates, and enforcement issues**.

2024 FUCC Fall Conference

Secretary Full Minutes

Wednesday November 56, 2024, to Friday November 8, 2024

World Golf Village Renaissance Resort, St. Augustine FL

Wednesday, November 6th, 2024, Morning Session

7:00am – 9:30am **Breakfast Buffet in Hotel Restaurant – Ticket Required 8:00am Registration**

9:00am – 9:30am **FUCC Officers Meeting – Troon**
Chaired by Stephen Waidley, Frontier, FUCC Chair

ATTENDEES:

Attended	Name	Company	Stakeholder Group
X	Stephen Waidley	Frontier	Telecom
X	Mark Atkinstall	Burgess Niple	Design Consultant
X	Brian Dean	Sunshine 811	Utility Notification Center
X	Jodi Rano	Stantec	Design Consultant
	Chris Mclaughlin	CFB Surveying/MacDriller	Geospatial Consultant

NOTES:

- 1) Chairman Steve Waidley submitted a budget for the Fall meeting to Treasurer Jodi Rano prior to the meeting.
 - a) Jodi Rano
 - i) Chair needs to reach out to committee chairs for any anticipated costs for the next meeting
 - (1) Banquet Planning – Summer banquet decorations and DJ/music
 - (2) Membership – Promotional items and exhibit expenses
 - (3) Planning – Speaker or special event expenses
 - (4) Awards – Annual Banquet
 - ii) Other routine meeting expenses include
 - (1) Will send list of normal charges to Chair

- (2) Insurance
 - (3) Meals – Lunches and Breakfasts
 - (4) Networking event
 - (5) AV equipment
- b) Event Planner – Lori McLaughlin
 - i) Any total costs anticipated to exceed \$5,000 must be approved
 - (1) Costs include printing booklets
- 2) Summer 2025 Meeting
 - a) Currently no contract for meeting
 - b) Chairman Waidley will reach out to secure contract with Cocoa
- 3) Audit Discussion
 - a) Audit is mandated by the bylaws
 - i) The idea is to make sure the Committee operates within budget and to monitor expenses
 - b) Bylaws change may be needed to clarify the word “audit” in the bylaws
 - i) Audit usually refers to a formal third-party review by an accountant
 - (1) Audit is currently required in the duties of the vice-chairperson and must be conducted prior to the annual meeting
 - (2) Proposed bylaws will change “audit” to “review”
 - ii) Rob Brown questioned whether the Bylaws Committee should be headed by two Committee officers
 - (1) The Committee Chair determines the composition of the Bylaws Committee and will see other members to serve
 - c) Chairman Waidley can choose to form a Financial Review Ad Hoc committee
 - i) Treasurer Jodi Rano suggested conducting the annual review the Tuesday evening prior to the annual meeting
- 4) Meeting adjourned by Chair at 9:30 AM

9:30am – 10:30am

Steering Committee – Troon

Chaired by Mark Atkininstall, Burgess & Niple, Inc., Fucc Vice-Chair

ATTENDEES:

Attended	Name	Company	Stakeholder Group
Officers			
X	Stephen Waidley	Frontier	Telecom
X	Mark Atkininstall	Burgess Niple	Design Consultant
X	Brian Dean	Sunshine 811	Utility Notification Center
X	Jodi Rano	Stantec	Design Consultant
	Chris McLaughlin	CFB Surveying/MacDriller	Geospatial Consultant
Steering Committee			
	Vacant		Telecom
X	Art Gilmore	Duke Energy	Power
	Joe Sanchez	FGT	Gas
	Warren Gilbreath	Hillsborough County Public Utilities	Water
X	Bud Parker*	Sarasota County Utilities	Sewer
X	Kris Hayes	Lakeland Electric	Governmental Utility
	Vacant		Governmental Non-Utility
X	Louise Hom*		Utility Coordinator Consultant

X	Shane McGlocklin	Badger Daylighting	Contractor
X	Bill Case	Ayers Associates	Design Consultant

NOTES:

- 1) Secretary Brian Dean called roll
 - a) Vacant Positions
 - i) Utility Coordinator Consultant – Trish Miller was not in attendance
 - (1) Louise Hom was nominated by Brian Dean and seconded by Tara Miller
 - (a) Approved
 - ii) Sewer – Jeremy Parker not in attendance
 - (1) Bud Parker was nominated by Brian Dean and seconded by Heather Johnson
 - (a) Approved
 - b) 11 of 15 in attendance – Quorum is established
 - i) Need to fill the Telecom position
- 2) Treasurer's Report and Meeting Budget
 - a) Chairman Waidley provided budget to Treasurer Rano
 - i) The Fall meeting budget is \$33,000
 - ii) Adequate funds are available for the current meeting
 - (1) 119 currently registered for the Fall meeting
 - b) There were cancellations at the August meeting due to storms
 - i) \$2,500 reimbursed – primarily to FDOT staff
 - ii) FPL staff had August registrations rolled over to the Fall meeting
 - c) There are discrepancies in how PayPal charges fees
 - i) Most charges are \$4.50, and some are \$7.50
 - ii) Could be based on the credit card used when paying
 - d) Total cost for the August meeting was \$35,000
 - i) Includes \$2,700 for unanticipated AV costs
 - (1) These costs should not be repeated
- 3) Conference Hotels
 - a) Spring Meetings
 - i) Hilton Ocala booked through April 2026
 - b) Fall Meetings
 - i) Renaissance World Golf Village booked through November 2026
 - c) Summer Meeting
 - i) No hotel currently contracted for August 2025
 - ii) Chairman Stephen Waidley will contact the Hilton Cocoa Beach for 2025
 - iii) Will research other facilities going forward
- 4) Conference Planner Position
 - a) Conference Planner, Lori McLaughlin, is seeking assistance with her duties as conference planner
 - i) Duties include negotiating and coordinating with hotels, managing registration, manning the registration booth, making signs for sponsors, preparing and printing booklets, and other duties as needed
 - ii) Mariah Mader, KCI, may be interested in assisting
 - (1) Need to know if her company would agree to invoice for work done for conferences
 - iii) There was discussion regarding how the position is paid
 - (1) Lori provides an invoice payable to her employer, Geroge F. Young
 - (a) Charges include booklet, mileage, signs, badges and hotel

- (b) Charges for Summer meeting was \$5,068
 - (c) No time sheet is provided
- 5) Sponsorships
 - a) The Executive Committee needs to review the current sponsorship levels and benefits
 - i) Melonie Schwartz will bring the subject up at the Membership Committee meeting and present a proposal for revision at the Spring Executive Committee meeting.

Motion to adjourn by Heather Dean and seconded by Tara Miller

10:30am – 11:30am FUCC Subcommittee Meetings

Planning Committee – Legends 2&3

Chaired by Mariah Mader, KCI Technologies

Membership & Promotions – Legends 1

Chaired by Melonie Schwartz, Inwood Consulting Engineers – an Ardurra Company

Banquet Planning Committee – Troon

Chaired by Heather Johnson, Harbor Coordination Solutions

- 1) The Summer banquet theme will be The FUCC Under the Big Top (Circus Theme).
 - a) Chairman Stephen Waidley will be the Ringleader so no one else should dress that way.

11:30am – 1:00pm Lunch on Your Own

Afternoon Session

1:00pm – 1:15pm Opening Comments from the FUCC Chair – Legends 2&3

FUCC Chair Stephen Waidley, Frontier

NOTES:

- 1) Opening comments from Chairman Stephen Waidley
 - a) Chairman Waidley is seeking to form a Finance Committee to review the financials.
 - i) See Jodi or Stephen
 - ii) Will meet Tuesday before conference
- 2) Sad News – Passing of Fred Valdez
- 3) Steering Committee Vacancies
 - i) Telecom and Governmental Non-Utility – See an officer if interested
- 4) Summer Annual Meeting Banquet Theme – *FUCC Under the Big Top*
 - i) Stephen voted most likely to join a circus in high school
 - ii) Come as a circus character
 - iii) Only one Ringleader is allowed and that is Stephen Waidley
- 5) Sponsors
 - a) Emeritus
 - i) Ayers and Associates

- ii) GeoPoint
 - iii) Harbor Coordination Solutions
 - iv) WGI
- b) Platinum Sponsors
 - i) Ardurra
 - ii) Colliers Engineering and Design
 - iii) FLUG
 - iv) George F. Young
 - v) KCI
 - vi) Pike
 - vii) Sunshine 811
 - viii) T2 Utility Engineers
- c) Gold Sponsors
 - i) GPI
 - ii) Keith
 - iii) MacDriller
 - iv) M.G. Vera & Associates
- d) Silver Sponsors
 - i) Echo Engineering and Survey
- e) Bronze Sponsors
 - i) TRC

1:15pm – 1:45pm

Sunshine 811 Updates – Legends 2&3

Brian Dean, Sunshine 811

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NOTES:

- 1) 2024 Ticket volume down about 4.5%
- 2) 6 Top damage root causes
 - a) Failure to notify 811
 - b) Excavator failed to maintain clearance
 - c) Facility not marked due to locator error
 - d) Improper excavation practice not listed elsewhere
 - e) Marked inaccurately due to locator error
 - f) Excavator dug prior to verifying marks by potholing
- 1) Common Ground alliance 2023 DIRT report
 - a) 13% increase in underground utility damages 26,878
- 2) Sunshine 811- 2023 citation review
 - a) 153 citations written
 - b) \$128,904.54 fines levied
 - c) \$88,497.54 paid
- 3) New online enforcement program ready to roll
 - a) There is a 13-minute video that covers the basics
 - i) https://www.youtube.com/watch?si=B-Ys7yhbJet9Afzi&v=0KYi_w9HJ2w&feature=youtu.be
 - b) There is also an interactive online training program that goes into more detail
 - i) <https://app.coursettra.com/n/training/public/marketing/83fdb25-421f-4ed1-aca9-51f919b3fd0a>

- 4) Damage prevention counsel – Next DCP Meeting:
 - a) Tampa Bay – December 4th at the at Geo Point facility near I-75 and MLK Jr.
 - b) www.sunshine811.com/DPC
- 5) Extraordinary Circumstances
 - a) 83 declarations as of 6pm 11/4/2024
 - b) Means “extra ordinary” circumstances
 - i) This is for utilities that won’t know if they have staff to locate facilities
 - c) Generally, for storm preparation and recovery
 - d) The Law: Chapter 556.105 8 (a) and (b)
 - e) Sunshine does work weekends after the storms to help keep things going
 - f) Member Operations
 - i) Member operators must declare extraordinary circumstances to Sunshine 811
 - (1) Can’t not be done as a positive response by a locator
 - (a) Entered automatically when tickets are entered
 - g) Excavators
 - i) Treat like there is no response.
 - (1) Attempt to contact utility
 - (2) Dig with reasonable care
 - (3) Locate the facility using locating equipment or acceptable means

www.Sunshine811.com/extraordinary-circumstances-declarations

- 6) Questions:
 - a) What is the cost of citations?
 - i) Civil Citations
 - (1) \$500 false emergency, not locating, etc
 - (2) \$2500 if there are hazardous material facilities in the area
 - (3) \$50,000 for High Profile Subsurface Installation Incident
 - (4) Investigated by the state fire marshal’s office
 - (5) Misdemeanor for not paying citation within 30 days
 - ii) Criminal Misdemeanor Violation - \$500
 - (1) Knowingly and willfully removing or destroying valid markings
 - (2) Knowingly and willfully damaging or removing permit markers

1:45pm – 2:45pm

Innovative Practices for Eliminating Pedestrian Detours - Legends 2&3

Presented by: Gevin J. McDaniel, P.E., SpanPath, LLC

<https://spanpath.com/>

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- 1) Biography
 - a) Gevin is a Professional Engineer that did bridge design then FDOT structures and roadway
 - b) Lost best friend and brother in a vehicle accident at a roadway construction site
 - c) Developed new product to mitigate risks
 - d) Serves on Temporary traffic control committees and groups
- 2) Presentation: *Innovative Practices for Eliminating Pedestrian Detours*

Closure is the last option

 - a) Standards and Guidelines
 - i) 2017 Utility Accommodation Manual:
 - (1) Specifies use of FDOT 2016 Design Standards:

(2) Index 600: General Information for TTC

(a) Index 600 Specifies the use of the MUTCD (Manual on Uniform Traffic Control Devices)

(i) Standard – Required

1. “In limited, location-specific cases, the results of a documented engineering study (see Section 1D.03) might indicate a deviation from one or more requirements of a Standard provision to be appropriate.”
2. If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided.
 - a. Option: If an existing pedestrian route is impacted by a short-duration or a short-term stationary work zone that is attended with project personnel, establishing an alternate pedestrian route may not be necessary if the work can be stopped and pedestrians can navigate the work zone. Pedestrians may be delayed for a short period of time for project personnel to move equipment and material to facilitate passage. Work zone personnel may also provide assistance to pedestrians as necessary.
3. “SIDEWALK CLOSED CROSS HERE signs shall include audible information devices to provide adequate communication to pedestrians with vision disabilities.”
4. “Audible information devices shall be provided where midblock sidewalk closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians with vision disabilities.”

(ii) Guidance – Recommended

1. Deviations allowed if engineering judgment or engineering study (see Section 1D.03) indicates the deviation to be appropriate.
 - a. No documentation required by engineering judgement.
2. Existing Guidance: The following three items should be considered when planning for pedestrians in TTC zones:
 - a. A. Pedestrians should not be led into conflicts with vehicles, equipment, and operations.
 - b. B. Pedestrians should not be led into conflicts with vehicles moving through or around the worksite.
 - c. C. Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).
3. “TTC zones should be designed to minimize conflicts between vehicular and pedestrian movements.”
4. Prior to closing a sidewalk or other pedestrian facility, the maintaining agency should advise users of the future closure.
 - a. ParaKeet Audible Information Device is an example

(3) Index 660: Pedestrian Control for Closure of Sidewalks

ii) Us Access Board Final Rule 9/23 – Public ROW Accessibility Guidelines

(1) PROWAG – Public ROW Accessibility Guidelines

- (a) “When an entity closes a pedestrian access route, it must provide a temporary alternative pedestrian access route with basic accessible features. Alternate pedestrian routes ensure that construction in the public right-of-way does not prevent pedestrians with disabilities from reaching their destinations.”

3) Closure is the last option – Suggestion is to use SpanPath

a) Benefits

- i) No additional distance for pedestrians
- ii) Natural pedestrian compliance
- iii) No additional ROW space
- iv) No TTC Plan required
- v) No additional devices required
- vi) Sidewalk/Path immediately returned to normal operation after work period



b) SpanPath System

- i) Modular
- ii) Versatile
- iii) Durable Aluminum
- iv) Reusable
- v) Slip Resistant Extruded into deck
- vi) Comes in various widths
- vii) Goes directly over sidewalk in repair – No ROW access needed
- viii) Businesses can have access

4) Questions from audience

- a) Can they be used on shared use path
 - i) They can be up to 11 foot wide.
- b) Can a locator paint the aluminum?
 - i) Locate before they are laid
- c) How long can they go?
 - i) As long as you need
- d) Can you rent, own, or contract out?
 - i) working with ACME/Bobs... to have an inventory and install as needed
 - ii) Rental or purchase is available
- e) What is the lead time?
 - i) A little longer now but typically 2 weeks
- f) Is the product patented?
 - i) Yes – no real alternatives
- g) Is the product on the Approved Product List (APL)?
 - i) Yes, under temporary access mats
- h) Can this be used to cover temporary access mats for utility crews or splice pits close to sidewalks?
 - i) Yes

- i) Is the product MOT approved?
 - i) Not necessary since all standards are met. No temporary traffic plan needed.
- j) What about permits that require MOT?
 - i) Not needed. Sometimes an authority need a 600 Series spec listed. SpanPath is approved.
- k) If you are going to impact the sidewalk, an MOT plan is needed. You are introducing something that is not the existing sidewalk.
 - i) FDOT will have to review requirements.
 - ii) Sidewalk is impacted by work, not by SpanPath. Work would require the permit.

2:45pm – 3:00pm Break

3:00pm – 4:00pm FUCC Interest Group and Subcommittee Meetings

Telecom/Underground Interest Group – Legends 1

Chaired by Garth Thompson, MG Vera & Livia de Mattos-Siech, Crown Castle

No Report Provided

Power Interest Group – Legends 2&3

Chaired by Martin Mikhail, FPL

No Report Provided

TTC/MOT Subcommittee – Troon – Joint meeting with Permitting at 4:00pm

Chaired by Robb Brown, Duke Energy

No Report Provided

4:00pm – 5:00pm FUCC Subcommittee Meetings

Joint Use – Legends 2&3

Chaired by Bill Deal, NV5

Mintes provided by Bill Deal

- 1) Opening Remarks
- 2) Self-Introductions
 - a) 21 attendees
- 3) Old items
 - a) Joint Bore at Sand Lake Rd and Turnpike- Orlando
 - b) Bill gave an update on the status of the joint bore
 - c) The bore is complete
 - d) 8-7" conduits were pulled- approx.1400ft
 - e) 7 UAOs were involved – each had their own conduit
 - f) Bluewater Telecommunications handled the project
 - i) Included all the agreements with the UAOs
 - ii) Designed, permitted and bored the conduits and placed individual pullboxes for each UAO
 - g) Most of the work is completed
- 4) New Items of Interest
 - a) Develop a standard for record-keeping
 - i) KMZ
 - b) Sounding

- c) How to keep these files
- d) Close out permits must have bore logs

JOINT USERS SIGN-IN SHEET			
Facilitator	Bill Deal	Date	11/6/2024
Name	Company	Phone	Email
Brian Babcox	FPL	321-726-4834	Brian.babcox@fpl.com
Tina Willard	KEITH	954-788-3400	twillard@keithteam.com
Ginny Davis	Comprehensive engineering services	407-497-2182	gdavis@cescivil.com
Amber Megowan	ATT	904-699-7805	Aw7838r@att.com
Rona Solomon	Power Engineer	561-577-5376	Rona.solomon@fpl.com
Vivian Mckeon	Terra Technologies	630-217-9384	vmckeon@congruex.com
Dennis McGuire	Ozmatic	407-879-1174	Dennis.mcguire@oz-matic.com
Frank Ouattlebaum	Infrastructure consulting and engineering	770-238-2416	Frank.quattlebaum@ice-eng.com
Lauren Khamphouang	Gresham Smith	904-239-4544	Lauren.kahmphouang@greshamsmith.com
Ivan Gordon	Crown	561-577-8569	Ivan.gordon@crowncastle.com
Trevor Solorzano	FPL	305-301-0560	Trevor.solorzano@fpl.com
Merissa Erickson	GPI	352-932-3641	Merickson@gpinet.com
Pam Young	GPI	407-789-3810	Pyoung@gpinet.com
Luis Mendoza	AT&T	786-635-4840	LM3376@ATT.COM
Scott Carpenter	Halff		scarpenter@halff.com
Nathan Simon	Halff		nsimon@halff.com
Luke Folkerts	AT&T		Lf2490@att.com
Richard Aurrecoechea	FPL	954-651-2872	Richard.aurrecoechea@fpl.com
Bryon Sample	FPL	954-401-4584	Byron.a.sample@fpl.com
Todd Hunt	FDOT D2	386-961-7452	Todd.Hunt@dot.state.fl.us
Bryan Lantz	FPL		Bryan.lantz@fpl.com

Permitting and TTC/MOT Subcommittee – Legends 1

Chaired by Kathy Mader-Brown, KCI

Minutes provided by Kathy Mader-Brown

In Attendance: 28

No volunteers for Co-Chair for neither Permitting nor TTC/MOT
Meeting with joined with TTC/MOT – chaired by Robb Brown (Duke)

Meeting Recap:

1. Necessity of FUCC Meeting: Robb raised whether every FUCC meeting is necessary for TTC/MOT. It was agreed that addressing issues at the Summer FUCC would be useful as updates from Patrick Overton's office typically arrive in July. The response time is about 60–90 days, allowing these updates to be shared at the Spring FUCC.
2. Florida Keys Permitting:
 - o Shaun Purvis (BPA) shared he has historical information on permitting from his past work in the Keys.
 - o Shawn Lewis (FDOT) advised caution regarding moving Right of Way (ROW) lines, noting the possibility of ROW shifts when placing a Distribution tangent pole between two Transmission poles. He emphasized verifying offsets and checking for differences between the Back of Curb (BOC) and Edge of Pavement (EOP).
3. Open Discussion – Permitting Session Expectations:
 - o Attendees expressed interest in learning from past Permitting Issues/Conflicts and seeing examples of how they were resolved. A presentation on previous issues and their solutions was suggested.
4. Next Steps:
 - o An email will be sent about a month before the Spring FUCC to gather any new ideas or topics from attendees for discussion.

Regards,

Kathy Mader-Brown
Permitting Lead - Power

5:30pm – 7:30pm

Networking Event – Terrace/Patio

Hors D'oeuvres will be provided and 2 complimentary drink tickets/Cash Bar

****NO OUTSIDE FOOD OR DRINKS ALLOWED PER OUR CONTRACT WITH HOTEL**

Thursday, November 7th, 2024

Morning Session

All sessions held in Legends 2&3

7:00am – 8:30am **Breakfast Buffet in Hotel Restaurant – Ticket**

Required 8:00am **Registration Desk opens**

8:30am – 8:45am **2024 Fall Meeting Opening Comments & Introductions**
FUCC Chair Stephen Waidley, Frontier

NOTES:

- Thank Your Sponsors
- Shirts are available – See Jodi or Steve
- Forming a Financial Review Committee – Formed by Stephen Waidley, Chair
- Review expenses – See Jodi or Steve
- Tuesday Night
- Jodi – Start in April – Shawn Purvis volunteered to serve
- Memorial for Fred Valdez
- Long time member of FUCC – Tell you friends and family you love them
- Vacancies on Steering Committee
- Telecom and Non-utility Governmental
- The FUCC Trainwrecks band will practice after the meetings today – All are welcome
- Banquet Theme – FUCC Under the Big Top
 - Steve was voted most likely to join a circus
 - Do not come as the circus master
- Looking for a secretary nominee – Need by June 1st
 - 4-year commitment – must be approved by management
 - Must not be a consultant
- Looking for nominations for Malcom Yantze and John J. Farkas
 - Steve read the award information
 - Get your nominations to Tara Miller, Past-Chair by June 1st
- Drop your business cards off for raffle drawings

8:45am – 9:30am **Design Build Subcommittee Meeting**
Chaired by Chris Stermer, WGI

- 1) Presentation: *Defining Alternative Delivery*
 - a) Speaker - Walter Kloss, P.E., VP of Alternative Delivery at WGI Walter.kloss@wginc.com
 - i) 40 years of delivering projects
 - ii) \$2 B of deliveries of Alternative Delivery Projects
 - iii) Board member of Clay County Utilities
 - iv) ACEC Chair of Alternative Contracting
 - b) Introduction

- i) The use of design build is expected to continue the grow
- c) Types of Projects
 - i) Design-Bid-Build (DBB)
 - (1) Traditional, three-phase delivery
 - (a) 1. Design Phase
 - (i) During this phase, an architect or engineer is hired to develop the project design and prepare detailed construction drawings and specifications.
 - (b) 2. Bidding Phase
 - (i) During this phase, the owner puts the construction out to bid and contractors submit their bids.
 - (c) 3. Construction Phase
 - (i) During this phase, the selected contractor builds the project according to the design and specifications prepared during the design phase.
 - (2) Advantages and Disadvantages
 - (a) Advantages
 - (i) Clear division of responsibilities
 - (ii) Competitive bidding
 - (iii) Well understood procurement method
 - (b) Disadvantages
 - (i) Slow and inflexible
 - 1. Each phase must be completed before the next can begin
 - (ii) Lack of collaboration between designer and contractor
 - 1. Do not optimize the use of contractor means and methods, potential for designs to have constructability challenges
 - (3) Utility Coordination in DBB
 - (a) Occurs between 60% and 90% plans completion
 - (b) Results in Utility Work Agreements prior to contractor selection
 - (c) This allows UAOs to review, budget, design, and potentially relocate prior to construction
 - ii) Design-Build
 - (1) Two-phase delivery – Owner has one contract with the DB team
 - (a) Procuring/Bidding Phase
 - (i) During this phase, design-build teams compete to win the project
 - (b) Design/Construction Phase
 - (i) During this phase, the design-build teams finalize designs, obtain permits and construct the project
 - (2) Types of Design-Build
 - (a) Low bid Design Build
 - (b) Adjusted Score Design Build
 - (c) Phased (Progressive) Design Build
 - (d) Modified Phased Design-Build
 - (3) Advantages and Disadvantages
 - (a) Advantages
 - (i) Faster Project Delivery
 - 1. Streamlined approach leading to faster project delivery times, as the design and construction phases can overlap
 - (ii) Single Point of Contact
 - 1. Design-build provides a single point of contact for the owner

- (iii) Issues Identification and Resolution
 - 1. Identify and resolve issues before construction begins, resulting in a smoother construction process and fewer delays.
 - (iv) Best-Value Project
 - 1. Allows the contractor and designer to work together to develop cost-saving innovations and deliver the project faster
 - (b) Disadvantages
 - (i) Potential for Higher Costs
 - 1. Added contingencies to cover unknowns
 - 2. Less Control Over Design Process
 - a. Owner has less control over the design
 - 3. Risk Allocation
 - a. Is risk allocated to the entity that can mitigate it best?
 - (4) DB and Utility Coordination
 - (a) Low Bid/Adjusted Score should Occur with owner concept development plan between 60% and 90% complete
 - (b) Identification of relocations prior to advertisement
 - (c) DB Team's design may change UAO Impacts
 - (d) Progressive/Phase DB occurs during project development after selection
 - iii) CMGC (Construction Manager/General Contractor) / CMAR (Construction Manager at Risk)
 - (1) 2-phase Delivery
 - (a) Owner contracts with Designer to work with Builder to develop project
 - (b) Owner selects Designer based on qualifications
 - (c) Owner contracts with Builder to construct the project
 - (i) Owner selects Builder based on qualifications and Builder provides GMP at key milestones
 - (2) Advantages and Disadvantages
 - (a) Advantages
 - (i) Faster Project Delivery
 - 1. Streamlined approach leading to faster project delivery times, as the design and construction phases can overlap
 - (ii) Owner Has Direct Control of Designer
 - 1. Engineer works for Owner and not Builder
 - (iii) Issues Identification and Resolution
 - 1. Identify and resolve issues before construction begins, resulting in a smoother construction process and fewer delays.
 - (iv) Best-Value Project
 - 1. Allows the contractor and designer to work together to develop cost-saving innovations and deliver the project faster
 - (b) Disadvantages
 - (i) Potential for Higher Costs
 - 1. Added contingencies to cover unknowns
 - (ii) Owner has separate Contracts with Designer and Builder
 - 1. Could increase project claim
 - (3) CMGC/CMAR Utility Coordination
 - (a) Occurs during project development after selection
 - (b) Identification of relocations during project development after selection
- iv) Public Private Partnerships (PPP) – Owner has one contract with PPP Team

- (1) Three-phase Delivery
 - (a) 1. Procuring/Bidding Phase
 - (i) During this phase, design-build-finance teams compete to win the project
 - (b) 2. Design/Construction Phase
 - (i) During this phase, the design-build-finance teams finalize designs, obtain permits and construct the project
 - (c) 3. Operation Phase
- d) Q&A
 - i) Rob Brown, Duke Energy – Do any of these have the lowest risk of utility impact?
 - (1) Depends on the project – Design Build is not the answer for everything
 - ii) Rob Brown, Duke Energy, – Are utilities being considered when selecting the model?
 - (1) Emphasis is on getting projects built but need to consider all stakeholders.
 - (a) CMAR or CMAR Progressive is best because time aspects are not as pressing
 - (b) Design Build makes the design better because they are working with the contractor, so they understand the contractor's interests and process.
 - iii) Joe Bitar, Turnpike - Why give contractor 60% to 90% Plans for DB – Why not sooner or go with DBB?
 - (1) Because there are too many variables and unknowns in the project. Owners and others are looking at the challenges and changes
 - iv) Shawn Lewis, FDOT – Getting work schedules prior to bid eliminates the flexibility of the DB team. Who pays for changes?

Discussion

Speaker - Walter Kloss, P.E., WGI - CMAR and CMGC is growing with municipalities and counties. NC is using it to expedite recovery from Hurricane Helene.

Chris Stermer, WGI – UWCs give draft schedules so if there are changes after the selection, the DB team may be on the hook.

Shawn Lewis, FDOT – There is no such thing as draft utility work schedule

Chris Stermer, WGI- DB has high risks so that impacts bid costs. Draft schedules help mitigate the cost

Shawn Lewis, FDOT – They can hold the utility to the UAM. Utilities have costs to develop those draft plans and they need to be compensated for the work. Complaints are coming from utilities about those costs.

What if there are changes from the draft UWS.

Speaker - Walter Kloss, P.E., WGI – How do we fix that? Do we need to change the UAM? Legislation?

Melanie Schartz, Inwood Consulting – Problem is the ATC process can make changes that impact the utility impact. Innovative changes may cause costs. The process causes this.

Speaker - Walter Kloss, P.E., WGI – What have the bidders done to mitigate the costs?

Rob Brown, Duke Energy – DB Teams don't look at UWS and that impacts the utilities later

Speaker - Walter Kloss, P.E., WGI – IS there need for better coordination between the utilities and DB team?

Rob Brown, Duke Energy – DBB lots of coordination and everyone understands timing and costs. If a Utility misses, they eat the cost for delays. With DB, they have a team to work with and there are fewer delays.

Shawn Lewis, FDOT – If there is a change to the work schedule, that is the responsibility of the DB team to compensate the utility. They decide if the cost is necessary of they can work around the utility or mitigate the costs. Sometimes it costs more to move than to not move.

Speaker - Walter Kloss, P.E., WGI – Sometimes DB projects don't have many UWS, draft or otherwise, and that increases risk. So, the plans were going to be more than 60% plans so why do DB instead of DBB since all the lead work is done?

Jeanna Dean, Harbor Coordination Solutions – The ATCs (Alternative Technical Concepts) are a blind spot and must be confidential. Sometimes they don't get answers until after the award. FDOT and other owners have to keep the teams separate.

Speaker - Walter Kloss, P.E., WGI – Can the FUCC help ACEC work to help fix the process?

Shawn Purvis, DEL – From the utility perspective. The DB process puts great burden on the utilities since there is so much focus on single projects with time crushes.

Speaker - Walter Kloss, P.E., WGI – Utilities have a master agreement with FDOT. That agreement doesn't include DB and CMAR. Maybe the master agreement needs to include language for alternative processes. How is the issue mitigated?

Jodi Rano - There used to be an agreement per project.

Shawn Lewis FDOT – DB teams pay for additional costs for utilities or use DB for only small projects and originally was intended.

Joe Bitar, Turnpike – Have a clause that the requires DB team to take responsibility for coordination.

9:30am – 9:45am Break

9:45am – 11:00am FDOT Forum – DUE/DUA & FDOT Personnel
Lead by Patrick Overton, PE, FDOT State Construction/Utilities Engineer

- 1) Central Office Report - Patrick Overton
 - a) Hurricane Response – Thank you from the Department
 - i) Utilities got to work and restored power quickly along with telecoms
 - (1) Deployed about 2,000 and Alabama sent 200
 - (a) Clearing debris 1.5 B cubic yards
 - (b) Still standing water on 301
 - b) State sent people to North Carolina and Georgia to assist recovery there
 - i) Structures team to assist in bridge design

- c) Sent to Tennessee for contracting support
 - d) Pia Cormier, D7 – D7 Helene sand and discarded belongings
 - i) 56,000 Cubic Yards removed before Milton
 - ii) Help from many groups – 2,000 helpers
 - iii) 2,800 truckloads in 3 days to Tropicana Field
 - iv) Milton – 280+ signal done – 287 generators deployed.
 - e) Patrick was on the advanced deployment team. The team had an app that tied to GIS to report conditions and coordinate resources.
 - (1) ROB Brown? Does that tie to WAZE? Patrick no, but 511 does tie to WAZE.
 - f) Patrick asked the group - Is there a benefit of a webinar to show a complete submittal?
 - i) Chris Stermer, WGI – Yes that would help so the coordinators can work with utilities
 - ii) Rob Brown, Duke Energy – Utilities would appreciate a better understanding of the process
 - iii) Shawn Lewis had nothing to say, a first. The secretary was asked to record that no-response
 - g) BABA update. Is there more need for an update?
 - i) Rob Brown – They are understood but not clear.
 - ii) Jodi Rano – There was supposed to be a meeting.
 - iii) Patrick - Work group meeting did not happen. The meeting was delayed due to the storms. Legal team is still working on impact to master agreements and more. Not tied to master agreements. When the dollars are assigned to the project is when BABA is applied. \$1 federal money involved means BABA applies. Still semi-fluid. Expecting an update soon. Will schedule an update webinar soon. December time frame.
 - (1) Rob Brown – send invite to him, Lori, and Stephen.
 - h) UWS Training – Working on training. 1-hour. Better face to face. Lots of turnover so it would be good to have a refresher.
 - i) Bryan Lantz – There seems to be some confusion on what goes in what section.
 - ii) Patrick – we will do the training and discuss
 - i) NEXT GEN – Some projects still have NEXT GEN. It is going away after those projects are done.
 - i) Melanie Schwartz – FTBA has there been progress on the drainage sheets. Subs weren't getting structure information. Is there any training coming?
 - ii) NEXT GEN resulted in limited bids and other issues.
 - iii) Rob Brown, Duke Energy – Did FUCC (Melanie and Shawn) impact NEXT GEN decision.
 - (1) Patrick – Yes, diplomatically the FUCC had a great impact.
 - iv) Bill Case? What is being done for current NEXT GEN projects.
 - (1) Patrick – They should be providing what you need.
 - (2) Bill – all we are getting piecemeal sheets that are not user friendly
 - (3) Contractors are having issues with drainage sheets.
 - (4) Patrick – let the PM know more time is needed. It takes 3 X longer.
 - j) FDM updated was just released. Florida Design Manual.
- 2) District 1, Wayne Shelton
- i) Thank you for the storm recovery help.
 - ii) D1 meeting and secretary gave good summary of recovery effort – SW Florida Roads Website
 - iii) Next D1 Liaison meeting September 25, 2025.
 - (a) Theme will be Super Heros – to reflect efforts during storm recovery
 - (b) If you did not get invite, contact Mellissa Erickson at merrikson@gpinet.com
 - iv) Storm impacts to projects and working to resolve those issues. Thank you for your cooperation.
 - (a) Staffing impacts
 - (b) Want to impact DUAs as little as possible

(c) Ask one time for a change to minimize impact

- 3) District 2, Todd Hunt
 - i) Sustained damage from 3 different storms in the past year. Thank you for all the help
 - ii) Multiple projects going on. Trying to use everyone's time as best we can.
 - iii) Jason Quijano Permits Engineer Duval and Nassau
 - iv) Jason.quijano@dot.state.fl.us
- 4) District 3, No Report
- 5) District 3, No Report
- 6) District 4, No Report
- 7) District 5, Stacey Nester
 - i) Thank you for all the help with the storm recovery
 - ii) Training rescheduled for 12/3/24 due to storms
 - iii) Melanie and Jodi are going to D5 local offices to meet and greet to work out permitting issues. Many new staff members.
 - iv) Open to new ideas.
 - v) Bryan Lantz – FDOT does a great job – Problems with SW Florida getting cities and counties involved.
 - (a) D1 is trying to get
 - vi) Melanie and Jeanna working to get municipalities involved with FUCC
 - (a) Jeanna is transportation outreach, Melanie is utility outreach
 - vii) Jeanna – UCCs are not connected to FUCC and leadership and outreach is lacking
- 8) District 6, No Report
- 9) District 7, Pia Cormier
 - i) Contact Maria Baucom or Tess B to get on D7 invite list
 - ii) 750,000 without power and down to 164 now.
 - iii) Doug Driggers attended from D7 – Liaison between certification and pre-con not getting done.
 - (a) Prior to construction in UWSs not getting completed so he coordinates that.
 - (b) Permit coordination, field reviews, assists UAOs
 - (c) Bryan Lantz – Interesting role for his position. Are you engaging with other agencies in coordination prior to work?
 - (i) Doug – Not yet. The position is evolving.
 - (d) Pia – can see where other districts could use this new position.
 - (i) Stacey – We have a similar position in D5 – Chap does reach out to Orange County to expedite permits.
- 10) Turnpike, Joe Bitar
 - i) Kudos for all the coordination in the district. Bill Deal was thanked for his work on the Sand Lake joint utility relocation.
 - ii) Jodi did the same for another project to get multiple utilities in a single trench or bore
- 11) Central Office, Shawn Lewis had nothing to say and is noted in the minutes.
 - a) Nick Patronous is now in Tim Allens Office.
- 12) Alecia Keeter – FRWA Protecting underground utilities is important. After all the design and coordination efforts we must protect the facilities underground. Make sure to reach out to your water and wastewater folks. When there is damage, we need to hold the responsible liable.

11:00am – 1:00pm FUCC-Sponsored Lunch – Terrace (weather permitting)

(included with registration
fee)

Afternoon Session

1:00pm – 1:15pm

FUCC Announcements

FUCC Chair Stephen Waidley, Frontier

NOTES:

Turn in your lanyards

Need testimonials – How does, will the FUCC help you. Give them to Melanie Schwartz

FUCC Fliers are available – See Melanie Schwartz

See Heather Johnson if you want to help with the FUCC Big Top Banquet

Local UCCs are a great opportunity to see the 4-Cs in action. Go to Sunshine 811 website calendar.

1:15pm – 2:15pm

Utility Coordination Education Kickoff

Chaired by Jeanna Dean, Harbor Coordination Solutions

NOTES:

What the new group is about. There are many new coordinators. She once had Popp come to a meeting with a manhole on the back of a truck. It was huge and gave her an idea of what the impact is when a utility is asked to move.

UWHCA help would be great.

How can we all help each other get better and make the system work better for all. Share ideas and skills.

Get with Jeanna with any ideas for future training.

2:15pm – 3:15pm

Underground Interest Group: Educational Workshop

“The Wild and Wonderful World of SUE”

Presented by: Albert Taylor, DRMP

Tom Yocom, Ivan Hernandez, Ryan Grab

NOTES:

[Click to View Presentation Slides](#)

- 1) Who is SUE
 - a) An engineering practice combining civil engineering, surveying and geophysics
 - b) States vary on if discipline is civil engineering or professional land surveying
 - c) Established methodologies to characterize the quality of information
- 2) ASCE Standard
 - a) ACSE/UESI/CI 38-22 “Standard Guideline for Investigating and Documenting Existing Utilities”
 - i) Set the standard of care
 - ii) Formerly 38-02 “Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data”
 - iii) Some Changes
 - (1) Terminology/Definitions (clarifications & enhancements)

- (2) Utility Attributes Section
 - (3) Reporting Enhancements
 - (4) 3D Modeling SIM/BIM
 - (5) Deliverables Formatting
 - (6) Includes Overhead Utility Investigations
- b) ASCE/UESI/CI 75-22 “Standard Guideline for Recording and Exchanging Utility Infrastructure Data”
 - i) Standard for Recording and Exchanging Infrastructure Data – As-builts
- 3) Terms and Acronyms
 - a) Quality Level: A professional opinion based on the principles of uncertainty to determine the quality and reliability of utility information with a range of Quality Levels D, C, B, A.
 - b) Designating: The process of using surface geophysical methods to interpret the presence of a subsurface utility and to trace it.
 - c) Geophysical Methods: Electromagnetics such as Pipe & Cable Locators, Ground Penetrating Radar (GPR), Seismic, Acoustics, etc.
 - d) Locating: The process of exposing and recording the precise vertical and horizontal location of a utility.
 - e) VVH: Verified Vertical and Horizontal location of a utility facility.
 - f) Test Hole: The excavation made to determine a VVH location.
 - g) UA/O: Utility Agency / Owner
- 4) SUE Services
 - a) Utility Designating
 - i) Multifrequency Electromagnetic Locating
 - ii) Ground Penetrating Radar (GPR)
 - iii) 2D Mapping
 - b) Utility Locates (Test Holes)
 - i) Vacuum Excavation
 - ii) Conflict Test Holes
 - iii) Mast Arm Clearance Exploration
 - iv) 3D Mapping
 - c) Innovative Analysis
 - i) Video Inspection
 - ii) Concrete Imaging
 - iii) 3D Tomography
 - iv) LiDAR Vault Scanning
 - d) Utility Coordination
 - i) Records Research
 - ii) Greenlines (30%)
 - iii) Utility Work by Highway Contractor Agreement (UWHCA)
 - iv) Red, Green, Browns (RGBs) (60%)
 - v) Conflict Analysis
 - vi) Utility Work Schedule (UWS)
- 5) Sue Process and Technology
 - a) SUE Process Combines
 - i) Civil Engineering
 - ii) Surveying
 - iii) Surface Geophysics
 - b) SUE Technologies Used
 - i) Surface Geophysics

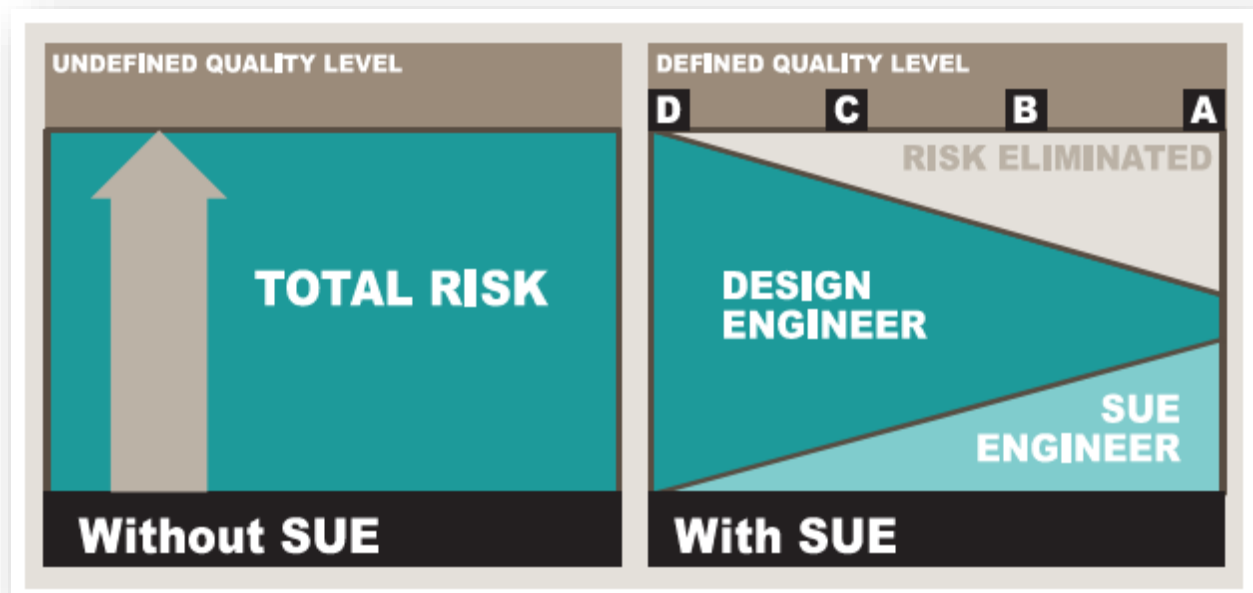
- ii) Vacuum Excavation
- 6) Quality Levels in ASCE 38-22
 - a) Quality Level D – Research – Highest Risk
 - i) Before any project begins, staff acquire and reviews existing as-built information and utility records that may impact the project limits
 - (1) Research Owners – Research utility agencies/owners (UA/O), municipalities, DOTs and others
 - (2) Collect Records - Follow up to ensure records data from UA/O and other owners are obtained
 - (3) Accuracy Review – Review records data for accuracy and completeness
 - (4) Deliverables – Develop composite drawing and make professional judgements on validity
 - (5) Date Acquisition Documents – Maintain log of all documents
 - (a) Existing Plans
 - (b) UAO Schematics
 - (c) As-Builts
 - (d) Oral Testimony
 - (e) Depiction in CADD Files
 - b) Quality Level C – Field Investigation
 - i) SUE field staff verify the as-built and utility records with existing field conditions. This also provides the opportunity to discover any utilities that may not have been found in the research phase.
 - (1) Field Review – Perform field reviews and compare UA/O records with site conditions
 - (2) Field Review Discrepancies – Identify and resolve any data discrepancies (UA/O records vs. site conditions)
 - (3) Surveying – Survey above ground features of utility appurtenances
 - (4) Deliverables – Survey above ground features of utility appurtenances
 - c) Quality Level B – Utility designation and mapping
 - i) Surveyors begin the subsurface utility designation and two-dimensional mapping of the utilities. This provides the engineering design team or contractors with the opportunity to identify areas that may be in conflict with the subsurface utilities.
 - (1) Utility Designation – Perform utility designation using surface geophysics techniques (Electromagnetic or Ground Penetrating Radar)
 - (2) Data Comparison – Resolve differences between the designated utilities with UA/O records and other data
 - (3) Surveying – Perform field surveying of designation marks
 - (4) Deliverables – Update utility location data on CAD files or produce utility map
 - d) Quality Level A – Utility location – Lowest Risk
 - i) Vacuum excavation is the nondestructive method of excavating and exposing subsurface utilities to accurately determine characteristics such as size, material, depth, and condition. This provides the data that comprises SUE Quality Level A.
 - (1) Verify Target Utility Existence/Exact Location/Attributes – Perform non-destructive excavation to verify the potential utility conflicts, locate utilities by exposing through minimally invasive techniques
 - (2) Measure and Document – Provide detailed measurements and clearly document findings
 - (3) Resolve Discrepancies – Resolve any discrepancies between previous Quality Levels
 - (4) Surveying – Survey location marks to project control
 - (5) Deliverables – Provide test hole reports, update utility location data on CAD files & provide summary of verified utilities table

7) The Unknown Utility

- a) 3.2.4 Unknown Utilities An unknown utility is an underground facility that may or may not be in service and may have questionable or unknown ownership (i.e., the utility owner is unknown; there is insufficient physical, geophysical, recorded, or anecdotal evidence to warrant a more specific status). If the presence and unambiguous location of a suspected utility is determined by the professional, it can be judged as QL-B regardless of the unknown attributes of ownership, function, size, material, and status. It should be labeled as an “unknown” QL-B. The diligence in which an unknown utility should be investigated to turn it into a known utility is a scope-of-work item.
- b) Unknowns, how far do we go?
 - i) Poor documentation of utilities, or a lack thereof, can be due to improper/lack of permitting in the past, UAO’s loss or lack of records (lines acquired from other entities), lines placed out of service, insufficient communication or research
 - ii) There is a cost associated with determining the ownership of unknown utilities that is difficult to estimate
 - iii) Research can include:
 - iv) Communication with UAOs via one-call design system
 - v) Record plans from municipality, DOT permitting, HOA/developer/resource management districts, military
 - vi) Additional site visits to perform test holes and communicate with residents and businesses

8) Benefits of SUE

- a) Unnecessary utility relocations can be avoided
- b) Construction Safety is Enhanced (Damage Prevention)
- c) Reduces Professional Liability Risk for Design Engineer



9) Questions and Answers

- a) Jeanna Dean – If you lose tone on an unknown facility can’t you do more.
 - i) The level of work to determine the unknown may include costs above the facility.
 - (a) Clear a structure. That includes dimensions of the structure going in and then that area can be cleared for that structure even if an unknown is in the area. If you can

clear the structure, there is no need to go further. With some padding.

- b) Robert Rice LCEC – What level is a Sunshine 811 locate?
 - i) Sunshine 811 Notifications do not have any quality level associated with the resulting locates (Paint on the Ground). Design tickets can get a contact for the utilities. Sunshine 811 does not locate facilities. The excavator is responsible for taking precautions to identify the facility. That is also not QL-A even though the facility is exposed. Do Not call in a ticket unless you are digging and many SUE firms do not get utilities to mark their facilities when calling in dig tickets because they are viewed as designers. They do pose less risk since they are generally using methods to expose facilities that are not as likely to damage underground facilities.
- c) Mark Atkininstall There are utilities with QL-B that cannot be correct since they are too deep to designate with conventional EM or GPR. Answer- Ask for additional information. There are methods to get deep, but they can be cost prohibitive.

3:15pm – 3:30pm Break

3:30pm – 5:00pm “Protecting Florida’s Underground Water/Wastewater Infrastructure”
*Presented by: Alicia Keeter, Florida Rural Water Assoc. and Pedro Vigil,
Miami- Dade County Water and Sewer Dept.*

NOTES

Pedro Vigil, Miami Dade Pedro.vigil@miamidade.gov
Alicia Keeter, FRWA alicia@frwa.net, (850) 668-2746,
www.FRWA.net

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1. Florida Rural Water Association
 - a. Our primary purpose is to assist water and wastewater systems with every phase of the water and wastewater operations. Our Active members consist of public water and wastewater systems, such as counties, municipalities, associations, districts, mobile home parks, schools, authorities, etc.
 - b. 6,345 water and wastewater utilities across the State of Florida
 - c. 20 million people served
2. Imagine a Day Without Water
 - a. Hospitals are affected
 - b. Outpatient treatment facilities such as dialysis centers
 - c. No Fire Protection
 - d. Schools will be closed
 - e. High rises will not have water to the top floors
 - f. Hotels and vacations are impacted
 - g. Restaurants Shut Down
 - h. Beaches, lakes, rivers, and other natural bodies of water
3. FRWA Mission Task
 - a. To protect 8,500 miles of water and 4,100 miles of sewer pipes that lie underneath our streets, lands, and bodies of water
 - b. To prevent service interruptions to our 2.8 million customers and citizens of our County

- c. To protect the \$800 million CIP infrastructure investment
 - d. WASD is the largest Water & Sewer Utility in the SE United States
 - e. 6th largest in the nation
 - f. To protect and preserve our natural resources and environment
 - g. When we do the job well, you won't know
 - h. We are the unseen sentries for WASD
- 4. Driving factors for Increases in Locate Ticket Requests
 - a. Utility work and Infrastructure expansion, including WASD \$800 Million CIP projects
 - b. AT&T Fiber One Expansion-weekly coordination meeting
 - c. (#1 ticket volume requester in the State of Florida)
 - d. FPL hardening program to hurricane proof transmission & service drops
(On going for next 10 years and expansion to serve Electric Vehicle charging infrastructure)
 - e. FDOT Projects
 - f. Federal Infrastructure Stimulus grants for Telecom, Elec., roads and bridges
(With time completion milestones)
 - g. Affordable Housing development
- 5. Education Efforts
 - a. Damage Prevention Council meetings held at Douglas
 - i. Educating excavators and foster relationships
 - b. Florida Rural Water Association (Ft. Meyers, Lake Worth)
 - c. FDEP consultation- to advocate for enforcement
 - d. FUCC – Invited to present Water/Waste perspective
 - e. Participation in Common Ground Alliance (National) best practices for Locators and excavators
 - f. Golden Shovel program (CGA) (Now the CGA Damage Prevention Initiative)
- 6. Legislative Update
 - a. FS 556 is 30+ years old – No cell phones or internet
 - b. Major amendments to be presented to FL legislation in Jan 2026
 - i. Courting wide-swath consensus to include all stakeholders
 - ii. Large project ticket – Distance based being considered
 - iii. 2, 3, 5, 10 days to locate
 - c. Explore the possibility of legislating the High-Profile designation and practices of monitoring to Miami-Dade code (Case in California, Home rule Charter)
 - d. Sharing of permitting data from Public Works/RER for predictive algorithms
 - e. Require Subsurface Utility Engineering when approaching High Pressure Main
 - f. Join Sunshine 811 lobbyist efforts in Tallahassee
- 7. Enforcement of Chapter 556
 - a. No state agency responsible for enforcing FS 556
 - b. 2023- 153 citations/\$153,904.54 -statewide
 - c. Final recourse if all other efforts fail is the use of enforcement
 - d. Target bad actors, repeat offenders, callous and uncooperative contractors - not unintentional actions
 - e. Enforcement could be avoided by participating in educational classes
 - f. Working with Florida Department of Environmental Protection
- 8. Differences – Miami Dade versus FRWA
 - a. Different sized facilities and populations
 - i. FRWA serves rural communities – Combined they are large

- ii. One size does not fit all
 - iii. Not all FRWA are connected to public works
- 9. Damages in Pompano Beach
 - a. Contractors boring through pipes on weekly basis
 - i. Pressurized line damages show up immediately
 - ii. Gravity and storm pipes may be hidden for a long time
 - 1. Causes sinkholes
 - 2. Restrictions cause flooding or sewer spills
 - 3. Cross bores by gas lines or power lines are dangerous
 - iii. Costs range from \$20,000 to \$2.3 million
 - iv. Some contractors not fazed by back charges
 - b. Best way to improve: The 4 Cs
 - i. Communication
 - ii. Cooperation
 - iii. Coordination
 - iv. Commitment
- 10. Questions and Answers
 - a. Kathy – what do you provide to designers, so they know where water/wastewater facilities are located
 - i. Alicia – that is where the FRWA comes into play. Their circuit riders can provide upon request. They don't generally have open access on websites for security reasons.
 - ii. CEI – Should help prevent unsafe practices to prevent potential damages.
 - iii. No work on Fridays are often requested in case something goes wrong
 - b. Byron – Is there any redundancy for these lines? Can they be rerouted?
 - i. Pedro – There is no redundancy for gravity lines.
 - ii. Not enough space with large lines
 - iii. There can be bypass lines used in emergencies.
 - c. Chris Stermer – Can't you add a tracer wire.
 - i. Pedro, new lines are installed with tracer wire
 - d. Bill Deal – Do you, Pedro, maintain the valves
 - i. Yes, adding redundancy to valves

Friday, November 8th, 2024

All sessions held in Legends 2&3

8:30am

FUCC Networking 9:00am – 11:00am FUCC Business Meeting

Opening – Stephen Waidley, Frontier

Invocation & Tribute to Flag – Chris Stermer, WGI

Reading of the Minutes – Brian Dean, Sunshine 811

Reading waived by consent

Historian's Report – Chris McLaughlin, CFB Surveying/MacDriller, Inc.

NOTES: Report given

Treasurer's Report – Jodi Rano, Stantec

NOTES:

[Click to View P&L Report](#)

FY 2024 Through September 2024

• Income – Gross Profit	\$86,936.33
• Expenses – Total Expenses	\$96,059.70
• Net Income	\$9,123.37

\$139 for the next two years at WGV

Audit – External audit not necessary and expensive since we do not receive federal dollars. Jodi sent credit card statements, credit card statements PayPal statements to Vice-Chair Mark Atkinstall for review. We will have two members review the books on Tuesday night prior to the April meeting. This forms the new Ad-Hoc Finance Committee of the Committee.

Bryan Lantz asked if the accountant thought this would suffice. He thought we would do a higher-level audit every 5 years. The cost would be ~\$2,000. Currently we are paying \$1,045 annually for bookkeeping.

Garth Thompson and Shawn Purvis will serve on the committee with Bryan Lantz as backup.

Business Session

Sunshine 811 Report

Report provided at Wednesday Update session. No further report.

FDOT Central Office Report

Patrick Overton – Nothing further to add from the Forum. Thank you to everyone that assisted in the hurricane recovery efforts.

Thank you to Melonie Schwartz and Shawn Purvis on the Next Gen Plans response. FUCC was the first to give a holistic and detailed response for users.

Introduced Nick Patronous who replaced Tim Allen

Question - Did we distribute UAMs (Utility Accommodation Manual)? They (FDOT) will bring them to the Spring Meeting. Reach out to Cynthia if you need one before then.

Steering Committee Approved Motions for Membership Vote

Steering Committee – Mark Atkinstall, Burgess & Niple, Inc., FUCC Vice-Chair

***Steering Committee Approved Motions for Membership Vote –
(If a vote is required, in accordance with the by-laws, only the
following Steering Committee members are allowed to vote)***

NOTES: No motions need approval by the Membership

Business Reports

Awards/Nominations – Tara Miller, Duke Energy, Past FUCC Chair

Nominations for Secretary – Non-consultant is due by June 1

Secretary position requires 4-year commitment and needs employer approval

Also need Farkas and Yantze award nominations by June 1

Program Subcommittee – Stephen Waidley, Frontier, FUCC Chair

NOTES: No Report

Conference Planning – Lori McLaughlin, GFY & Mariah Mader, KCI

NOTES: No Report

Facebook Page – Robb Brown, Duke Energy

NOTES: Posted pictures of this meeting.

E- Business/Web Page – Lori McLaughlin, GFY

NOTES: Lori will review website to make sure sponsors and officers are updated. She will post information for Spring Meeting.

She has a flier from Heather Johnson for the Summer Banquet.

UAM Review – Bryan Lantz, FP&L

NOTES:

Has not received any feedback on any proposed changes. Does not know of a desire to open them up.

FTBA is proposing legislative changes that may require opening the UAM.

Question - Melonie S. The UAM 314.4 offset table. Deals with roadway but there are shared use paths and Suntrail items that include 4 foot clearances for offset. There are poles that may be in the way and violate clearance requirements. The UAM language is dated and does not account for some changes since the 2017 UAM.

Question: Bryan Lantz – Language is ROW to ROW but there is more like shared use paths and soundwalls that need to be addressed by Statute.

Melonie 316.3 Unreasonable impediment to ROW or railroad corridor. This language can be interpreted differently.

Patrick Overton: Where does that 4-foot rule come from. Bikes could need to get off the shared use path to avoid a jogger.

***Bylaws Review – Brian Dean, Sunshine 811 & Chris McLaughlin, CFB
Surveying/MacDriller Inc.***

NOTES: Brian Dean – Will get amended language into approved By-Laws and submit.

***Membership/Promotions – Melonie Schwartz, Inwood Consulting
Engineers-an Ardurra Company***

NOTES: 11 attendees at meeting. Ideas to improve brochure.were discussed. We are out of the current brochure. No suggestions for website changes.

Question: Bryan Lantz – Did anyone at the FTBA reach out to you?
Melanie – No but attempts are being made.

Telecom Interest Group – Livia de Mattos-Siech, Crown Castle

NOTES:

No Report

TTC/Mot – Robb Brown, Duke Energy

NOTES: No Report

Joint Use – Bill Deal, NV5

NOTES: 15-20 Attendees. Bryan Lantz suggested a topic for future meetings. Depths of original as-builts.

Design Build – Ivan Hernandez, DRMP

NOTES: Ivan may not be able to serve as chair. Hank Humbert may be interested in taking over. After discussions at the Thursday meeting there is a need to continue to the group. Stephen will reach out to Ivan.

Underground Interest Group – Garth Thompson, MG Vera

NOTES:

Topic carried over from previous meeting –
There were different sized fibers passed out to show sizes
Discussed toneable vs. non-toneable fiber.
The group did the educational workshop on SUE.

Bill Deal may do a presentation on the Sand Lake Turnpike/ Blue Water joint bore for the Telecom Group at the Spring meeting.

Power Interest Group – Martin Mikhail, FPL

NOTES: No report

Banquet Planning – Heather Johnson, Harbor Coordination Solutions

NOTES:

Flier handed out. Looking for help. Marie Mancuso will be working with her on the meeting. \$1,000 budget for decorations. DJ is usually about \$500.

Question: Garth – What does the committee do?

Heather: They set up stuff from Tuesday on and then set up is between Thursday session and the banquet.

Permitting – Kathy Mader-Brown, KCI

NOTES:

Teamed up with TTC MOT. ROB didn't think a TTC/MOT meeting was needed every time. Ocala and Fall are best. Not needed for the Fall meeting.

Asked for information on permitting in the Keys. Shawn Purvis added some information. Shawn Lewis talked about the changing ROW in the KEYS. Looking to get information on permitting issues and how they were resolved as studies for future meetings.

Utility Coordination Education – Jeanna Dean, Harbor Coordination Solutions

NOTES:

Please share ideas for presentation topics with Jeanna.

NexGen – Melonie Schwartz, Inwood Consulting Engineers-an Ardurra Company and Shaun Purvis, Brindley Pieters and Associates, Inc.

New Business/Old Business

NOTES: 2024 vs. 2025 FDM. In utility adjustment FDM there is no longer a discussion of the size requirements for plans and large format language was removed. Changes proposed by FUCC were not incorporated in the 25 FDM but may be updated in the next revision. Melonie will submit proposed changes for the 26 FDM update or next revision.

11:30am

Adjournment – Drive home safe and see you in the Spring!!

NOTES: Approached to start a SUE subcommittee. Bill Deal believes that would be good. Discussion pointed to having SUE as part of the Underground/Telecom Interest Group

Spring meeting will conflict with the FUCC and Traffic Symposium. Stephen will reach out to the

Hilton Ocala to see if they can change the dates.

Thank you to Chris Stermer for his years of service to the FUCC.

Chris Stermer Motion to Adjourn

Heather Johnson Second.

For the most current updates, registration, and information please visit us at: Website:

www.fucc.org

Facebook: [www.Facebook.com/FUCC.org](https://www.facebook.com/FUCC.org)

LinkedIn: Florida Utilities Coordinating Committee FUCC

Respectfully submitted:

March 12, 2024

A handwritten signature in black ink that reads "Brian J. Dean". The signature is written in a cursive, flowing style.

Brian J. Dean
FUCC Secretary

Return to Minutes



1

2024 Ticket Volume Down

Comparative Ticket Volume

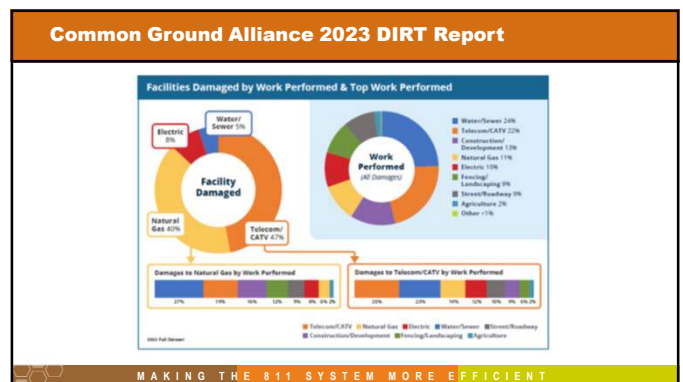
Month	2021	2022	2021 - 2022	2023	2022 - 2023	2024	2023 - 2024
January	190,120	235,003	23.51%	278,533	18.52%	232,084	-16.88%
February	190,309	224,591	18.01%	249,121	10.92%	218,260	-12.36%
March	225,966	263,329	16.53%	274,339	4.18%	232,458	-15.27%
April	215,890	248,530	15.12%	236,923	-4.67%	249,892	5.47%
May	199,853	251,228	25.71%	266,711	6.16%	245,670	-7.89%
June	219,378	260,766	18.87%	224,166	-14.04%	224,314	-0.07%
July	211,749	236,736	11.80%	209,905	-11.33%	238,814	13.77%
August	225,850	257,675	14.09%	234,748	-8.90%	232,313	-1.04%
September	220,347	217,544	-1.27%	215,429	-0.97%	214,936	-0.23%
October	223,293	221,516	-0.80%	228,806	3.29%		
November	214,868	208,303	-3.06%	205,763	-1.22%		
December	208,389	215,757	3.54%	184,394	-14.54%	2024 Total	2024 vs. 2023
Totals	2,546,012	2,840,978	11.59%	2,189,875	-1.13%	2,088,741	-4.62

MAKING THE 811 SYSTEM MORE EFFICIENT

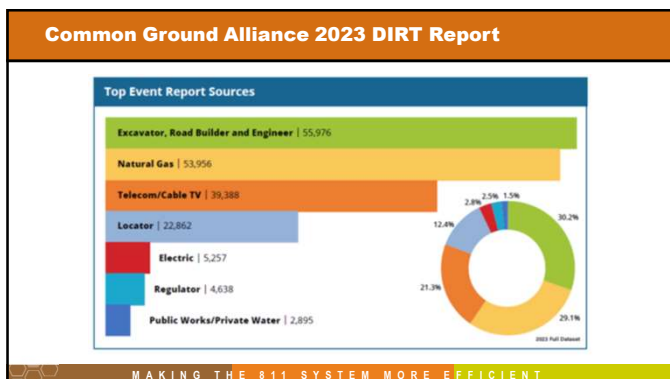
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Sunshine 811 - 2023 Citation Review

153 Citations Written

\$128,904.54 Fines Levied

\$88,497.54 Paid

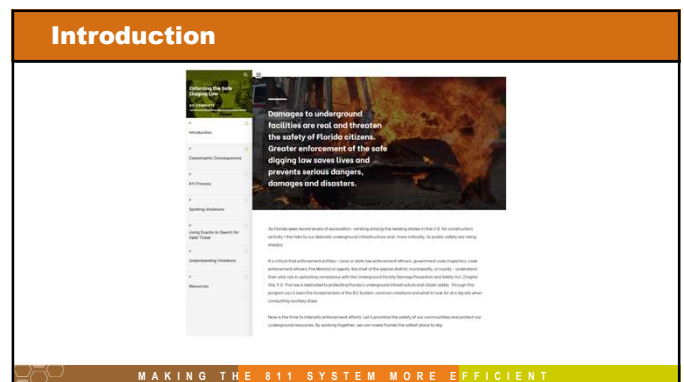
2023			
COUNTY	CITATIONS	DAMAGES	TICKET VOL
ALACHUA	2	425	28,461
BREVARD	0	1386	120,128
BROWARD	34	3,044	154,394
CLAY	0	773	28,581
DADE	0	3172	188,269
DUVAL	72	3,238	111,632
FLAGLER	0	1045	46,662
GULF	1	0	5,809
HILLSBOROUGH	2	294	122,714
LEON	21	169	26,108
MARION	1	105	61,875
ORANGE	2	1,970	168,887
OSCEOLA	7	69	55,107
PALM BEACH	0	2409	166,165
SEMINOLE	4	647	78,922
ST. JOHNS	0	2174	74,780
VOLUSIA	0	1262	99,266
TOTAL	146	22,244	1,538,360

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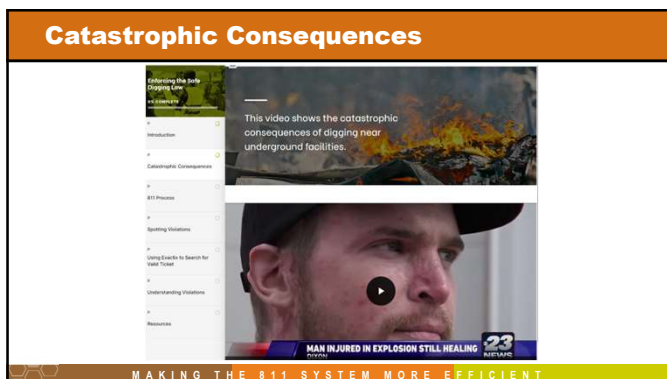
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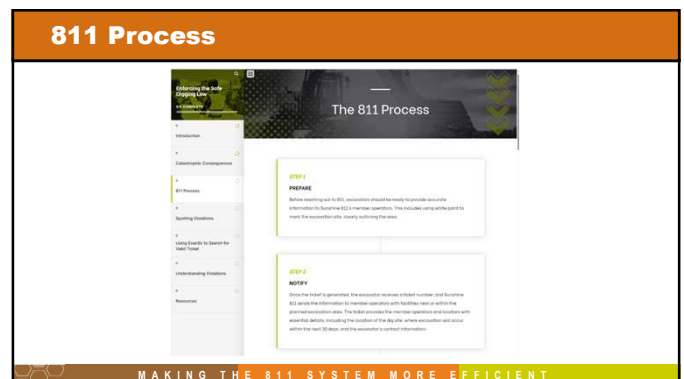
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11



12

Spotting Violations

Spotting Violations

Two Things to Always Do When Assessing the Situation

1. Request for Dig Site: Look for both permit and temporary facility location (covered below).
2. Check for a Valid Ticket: Verify if there is an active ticket and confirm its validity. Sometimes 811's system listing confirms location, validity, and/or the date.

Spotting Violations

When it comes to enforcing Chapter 186, you're not on your own. There are other resources you can use to help you. Check out the resources below that will help you to verify if a dig site is valid.

[Learn More](#)

MAKING THE 811 SYSTEM MORE EFFICIENT

13

Exactix Regulator Login

Using Exactix to Search for Valid Ticket

Exactix is a database that contains information that excavators use to request permits. You can use Exactix to verify if a valid ticket is associated with a dig site. The user interface is designed to provide the information needed to verify if a ticket is valid. This information is available in the user interface.

1. The name of the individual who provided information and the name, address, including the street address, city, state, zip code, and telephone number of the site to be dug.
2. The correct telephone number of the responsible party for the excavation, and a valid electronic address to receive notices or reports to the owner of the property. If possible.
3. The location, the city or county, and the street address or the closest street, road, or intersection to the location where the excavation or demolition is to be performed, and the construction details of the excavation or demolition.
4. The construction date and anticipated duration of the excavation or demolition.
5. Whether insurance will be used for the excavation or demolition.
6. Reason for using the system to verify the validity of the ticket.
7. The type of work to be done.
8. The approximate depth of the excavation.

MAKING THE 811 SYSTEM MORE EFFICIENT

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Understanding Violations

Understanding Violations

Chapter 186 has eight categories of violations and their consequences:

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Violations

Each violation is summarized below. A full copy of the law is available as a PDF download in Resources. You can also access an online version of [Chapter 186, F.S.](#) Click on them to expand the information.

MAKING THE 811 SYSTEM MORE EFFICIENT

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Resources

Resources

Have Questions?

Questions or Education: Contact a Sunshine 811 Safety Education Lesson

- **Carroll County** - Email: carroll@sunshine811.com, 702-455-9025
- **Collier County** - Email: collier@sunshine811.com, 941-368-4019
- **DeSoto County** - Email: desoto@sunshine811.com, 941-368-4019
- **Franklin County** - Email: franklin@sunshine811.com, 941-368-4019
- **Hardee County** - Email: hardee@sunshine811.com, 941-368-4019
- **Hendry County** - Email: hendry@sunshine811.com, 941-368-4019
- **Highway 1** - Email: highway1@sunshine811.com, 941-368-4019
- **Indian River County** - Email: indianriver@sunshine811.com, 941-368-4019
- **Jefferson County** - Email: jefferson@sunshine811.com, 941-368-4019
- **Levy County** - Email: levy@sunshine811.com, 941-368-4019
- **Manatee County** - Email: manatee@sunshine811.com, 941-368-4019
- **Maricopa County** - Email: maricopa@sunshine811.com, 941-368-4019
- **Marion County** - Email: marion@sunshine811.com, 941-368-4019
- **Mecklenburg County** - Email: mecklenburg@sunshine811.com, 941-368-4019
- **Miami-Dade County** - Email: miami-dade@sunshine811.com, 941-368-4019
- **Monroe County** - Email: monroe@sunshine811.com, 941-368-4019
- **Nassau County** - Email: nassau@sunshine811.com, 941-368-4019
- **Okaloosa County** - Email: okaloosa@sunshine811.com, 941-368-4019
- **Okeechobee County** - Email: okeechobee@sunshine811.com, 941-368-4019
- **Osceola County** - Email: osceola@sunshine811.com, 941-368-4019
- **Polk County** - Email: polk@sunshine811.com, 941-368-4019
- **Putnam County** - Email: putnam@sunshine811.com, 941-368-4019
- **St. Johns County** - Email: st-johns@sunshine811.com, 941-368-4019
- **St. Lucie County** - Email: st-lucie@sunshine811.com, 941-368-4019
- **Sumter County** - Email: sumter@sunshine811.com, 941-368-4019
- **Tallahassee** - Email: tallahassee@sunshine811.com, 941-368-4019
- **Tampa Bay** - Email: tampa-bay@sunshine811.com, 941-368-4019
- **Volusia County** - Email: volusia@sunshine811.com, 941-368-4019
- **Wakulla County** - Email: wakulla@sunshine811.com, 941-368-4019
- **Walton County** - Email: walton@sunshine811.com, 941-368-4019
- **Washington County** - Email: washington@sunshine811.com, 941-368-4019
- **Wayne County** - Email: wayne@sunshine811.com, 941-368-4019
- **Yamhill County** - Email: yamhill@sunshine811.com, 941-368-4019

Regulator/Enforcement Role

A list of resources for regulators and enforcement roles.

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Damage Prevention Councils

Sunshine811.com/dpc

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Next DPC Meetings

- Tampa Bay – December 4 – GeoPoint

www.Sunshine811.com/DPC



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EXTRODIANRY CIRCUMSTANCES

D7 Liaison Committee

October 25, 2024

21

THE LAW CHAPTER 556.105

(8)(a) If extraordinary circumstances exist, a member operator shall notify the system of the member operator's inability to comply with this section. For the purposes of this section, the term "extraordinary circumstances" means circumstances other than normal operating conditions that exist and make it impractical for a member operator to comply with this chapter. After the system has received notification of a member operator's inability to comply, the system shall make that information known to excavators who subsequently notify the system of an intent to excavate. The member operator is relieved of responsibility for compliance under the law during the period that the extraordinary circumstances exist and shall promptly notify the system when the extraordinary circumstances cease to exist.

(b) During the period when extraordinary circumstances exist, the system shall remain available during business hours to provide information to governmental agencies, member operators affected by the extraordinary circumstances, and member operators who can provide relief to the affected parties, unless the system itself has been adversely affected by extraordinary circumstances.

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22

MEMBER OPERATORS

- Must declare extraordinary circumstances
 - Once declared, the 3T: Extraordinary Circumstances code is entered
 - Locators can not enter the code without official declaration
 - Must provide an expected rescind date
 - Member operator must rescind declaration – can be after date
- Generally related to storms but is not limited
- Relieves the member operator from compliance with the law

23

23

Excavators

- Review positive responses to see the Extraordinary circumstances response
- Treat like no response after the required time
 - Can excavate
 - Attempt to contact the member operator
 - Dig with reasonable care
 - Locate the facility using locating equipment or acceptable means

24

24

83 Declarations as of 6 PM 11/4/2024

- Sunshine811.com/Extraordinary-Circumstance-Declarations

Return to Minutes

Innovative Practices for Eliminating Pedestrian Detours

Gevin McDaniel, P.E.
Sole Inventor/Owner/Manager
SpanPath, LLC



1

Innovative Practices for Eliminating Pedestrian Detours

2017 Utility Accommodation Manual:

- Specifies use of FDOT 2016 Design Standards:
 - Index 600: General Information for TTC
 - Index 660: Pedestrian Control for Closure of Sidewalks
- Index 600 Specifies the use of the MUTCD:
 - From Sheet 1 of 12:

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

The Florida Department of Transportation has adopted the "Manual On Uniform Traffic Control Devices For Streets And Highways" (MUTCD) and subsequent revisions and amendments, as published by the U.S. Department of Transportation, Federal Highway Administration, for mandatory use on the State Maintained Highway System whenever there exists the need for construction, maintenance operations or utility work.

2

Innovative Practices for Eliminating Pedestrian Detours

US Access Board Final Rule September 2023

Public Right-of-way Accessibility Guidelines (PROWAG):

- Alternate Pedestrian Access Routes: When an entity closes a pedestrian access route for construction, it **must** provide a temporary alternate pedestrian access route with basic accessible features. Alternate pedestrian access routes ensure that construction in the public right-of-way does not prevent pedestrians with disabilities from reaching their destinations.



3

Innovative Practices for Eliminating Pedestrian Detours

MUTCD 11th Edition, Section 1C.01, Definition of Headings:

- **Standard:** A statement of required, mandatory, or specifically prohibitive practice regarding a traffic control device.
 - **NEW LANGUAGE:** In limited, location-specific cases, the results of a documented engineering study (see Section 1D.03) might indicate a deviation from one or more requirements of a Standard provision to be appropriate.
- **Guidance:** A statement of recommended, ~~but not mandatory~~ practice in typical situations.
 - Deviations allowed if engineering judgment or engineering study (see Section 1D.03) indicates the deviation to be appropriate.
 - No documentation required by engineering judgement.
- See revised definitions for Engineering Study and Engineering Judgment.

4

Innovative Practices for Eliminating Pedestrian Detours

MUTCD 11th Edition, Section 6C.02, Pedestrian Considerations:

- (Existing) **Guidance:** The following three items should be considered when planning for pedestrians in TTC zones:
 - A. Pedestrians should not be led into conflicts with vehicles, equipment, and operations.
 - B. Pedestrians should not be led into conflicts with vehicles moving through or around the worksite.
 - C. Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).
- (New) **Guidance:** TTC zones should be designed to minimize conflicts between vehicular and pedestrian movements.

5

Innovative Practices for Eliminating Pedestrian Detours

MUTCD 11th Edition, Section 6C.02, Pedestrian Considerations:

- (~~Was Standard~~) **Guidance:** Prior to closing a sidewalk or other pedestrian facility, the maintaining agency should advise users of the future closure.
- (Reworded) **Standard:** If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided.
 - (New) Option: If an existing pedestrian route is impacted by a short-duration or a short-term stationary work zone that is attended with project personnel, establishing an alternate pedestrian route may not be necessary if the work can be stopped and pedestrians can navigate the work zone. Pedestrians may be delayed for a short period of time for project personnel to move equipment and material to facilitate passage. Work zone personnel may also provide assistance to pedestrians as necessary.

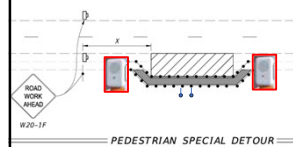
6

Innovative Practices for Eliminating Pedestrian Detours



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Innovative Practices for Eliminating Pedestrian Detours



FDOT Standard Plans, Index 102-660

Note: This is called a "special detour" due to the specifications and paving requirements. This example shown is a diversion by nature and should not be compared to true detours as previously shown.

Benefits of Pedestrian Special Detour:

- Greatly reduces additional distance for pedestrians.
- Improved pedestrian compliance
- Can provide Business Access

Challenges with Pedestrian Special Detour:

- Typically, no ROW on back or sidewalk
- Typically, severe cross-slope or utilities in conflict
- Multiple devices required
- TTC Plan is still required

14

SPANPATH Innovative Practices for Eliminating Pedestrian Detours

Use SpanPath to avoid closure

Example Problem: Why is this entire block closed?

15

Example Problem:

Bicycles and walking are some people's primary method of transportation.
 Why is this sidewalk closed?

One small missing piece of sidewalk. SpanPath would prevent this closure, ensuring equity in the network.

SPANPATH Innovative Practices for Eliminating Pedestrian Detours

16

Innovative Practices for Eliminating Pedestrian Detours

Example Problem:

- No alternative detour route
- Alternate alignment
 - close to traffic/cross-slope
- Entire block is closed, no access to apartment complex
- Duration of sidewalk closure approximately 30 days
- Unsightly signing and barricades not addressing the needs
- Not compliant with MUTCD/PROWAG
- **SpanPath is the only compliant alternative**



17

Innovative Practices for Eliminating Pedestrian Detours

Example Problem:

- Alternative detour route is on other side of 6 lane divided hwy
- 2 miles between signalized intersections
- Alternate alignment not possible due to shoulder cross-slope variations
- Duration of sidewalk closure
- Not in compliance with MUTCD/PROWAG
- **SpanPath is the most feasible compliant alternative**



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Innovative Practices for Eliminating Pedestrian Detours

Recent maintenance on Velda Dairy Rd not in compliance with the 2023 MUTCD:

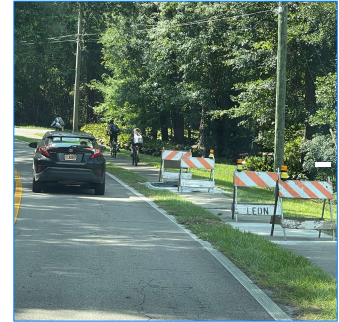


19

Innovative Practices for Eliminating Pedestrian Detours

Example Problem:

- These school children moved into the traffic lane to pass the closure.
- This car avoided striking the children by hard braking



20

Innovative Practices for Eliminating Pedestrian Detours

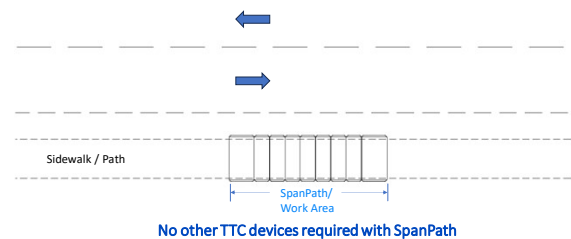
Additional Challenges with Conventional Closures:

- Graffiti on freshly cast concrete
- Resiliency to storm/wind events
- Hazards and liabilities from conditions caused by non-compliant pedestrians



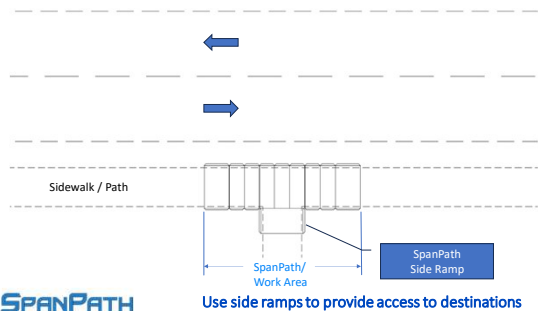
21

Innovative Practices for Eliminating Pedestrian Detours



22

Innovative Practices for Eliminating Pedestrian Detours



23

State Approvals

SpanPath improves safety and stands ready to provide an innovative solution to entities nationwide. Together, we can reduce or eliminate sidewalk and pathway closures and detours for our most vulnerable users.

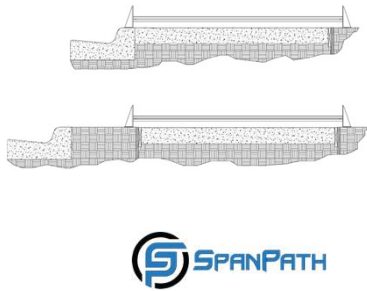


24

Innovative Practices for Eliminating Pedestrian Detours

Benefits of SpanPath:

- No additional distance for pedestrians
- Natural pedestrian compliance
- No additional ROW space
- No TTC Plan required
- No additional devices required
- Sidewalk/Path immediately returned to normal operation after work period



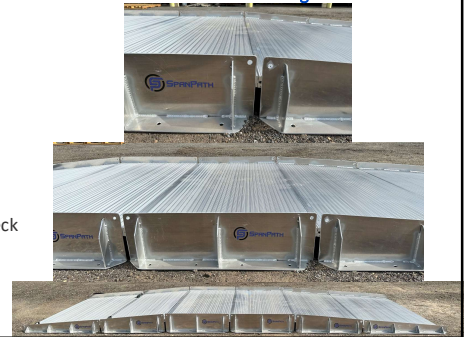
25



Innovative Practices for Eliminating Pedestrian Detours

SpanPath System:

- Modular
- Versatile
- Durable
- Aluminum
- Reusable
- Slip Resistant
- Extruded into deck



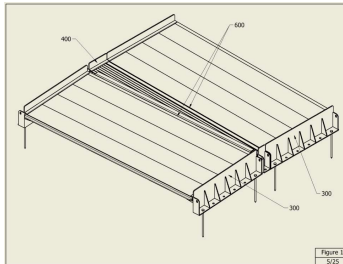
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Innovative Practices for Eliminating Pedestrian Detours

Special Radial Segments:

- Example shown for small horizontal deflection
- Connects seamlessly to Standard Segments

Figure 16
5/25

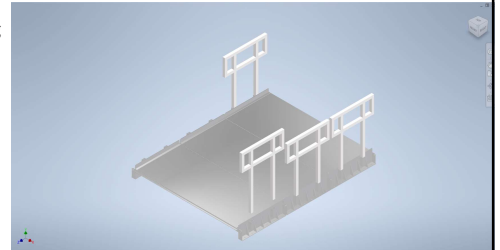
27



Innovative Practices for Eliminating Pedestrian Detours

Drop-offs:

- Order with railing connectors
- Connectors may be provided to fit any non-proprietary railing



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Innovative Practices for Eliminating Pedestrian Detours

FDOT Project:

- Sidewalk Maintenance
- Replaced Cracked Panels
- Entire segment closed
- No alternate route



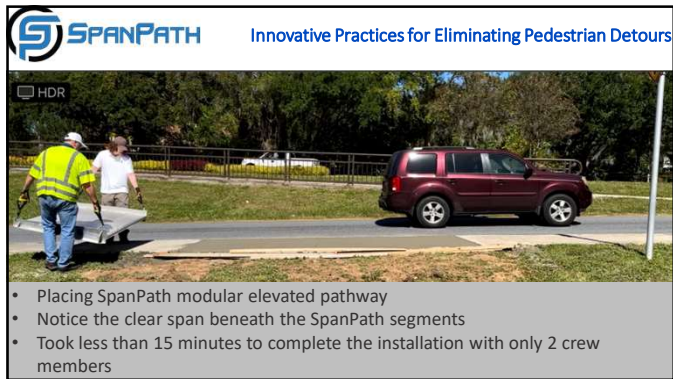
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Innovative Practices for Eliminating Pedestrian Detours

- Close-up of the freshly cast concrete sidewalk panels and two of the LCDs closing the route



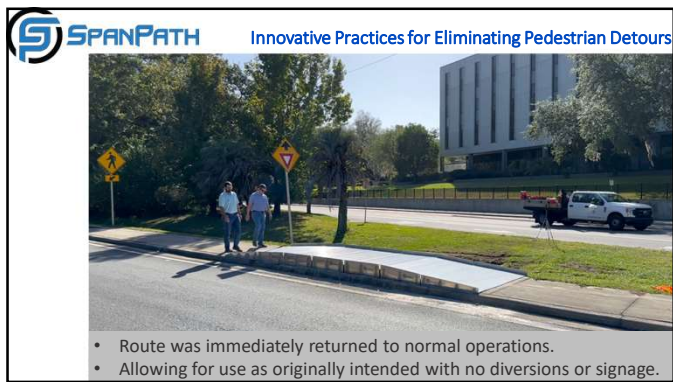
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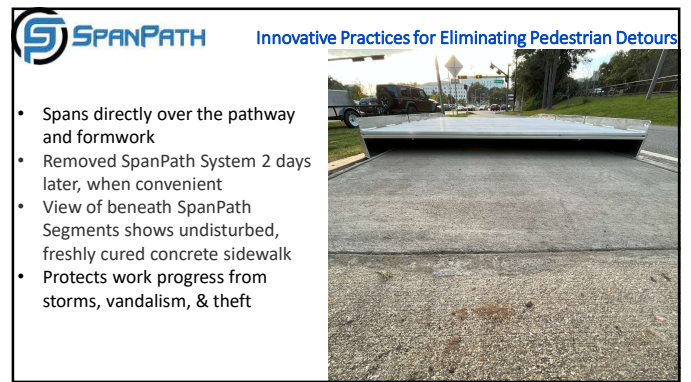
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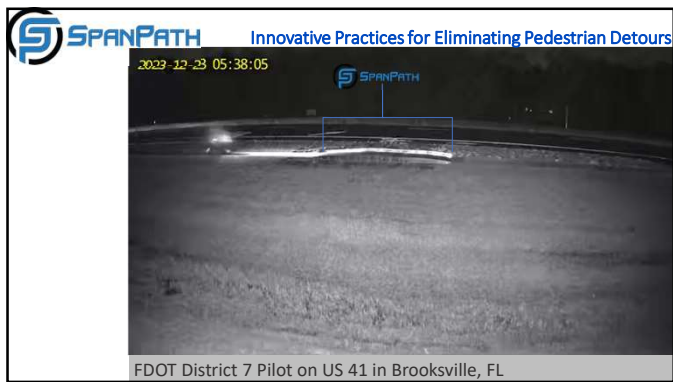
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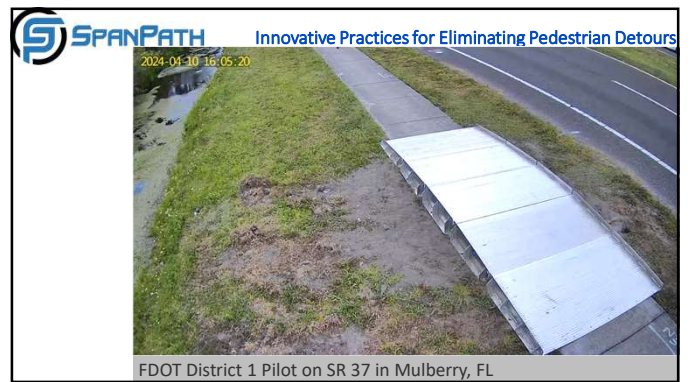
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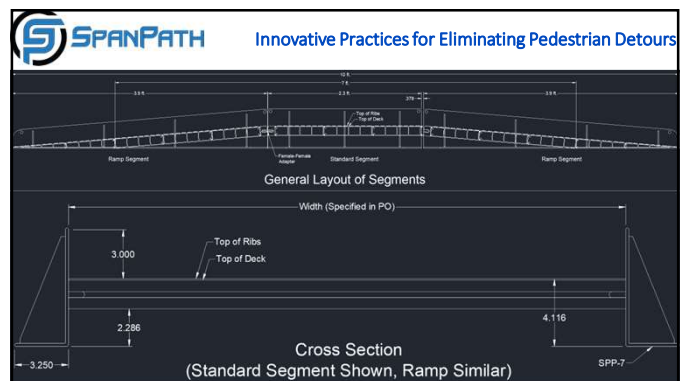
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42

Return to Minutes



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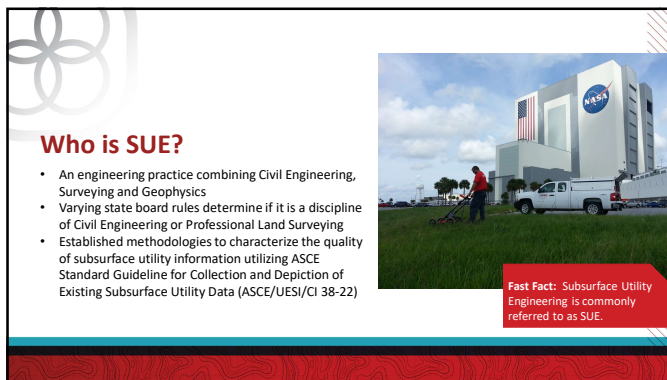
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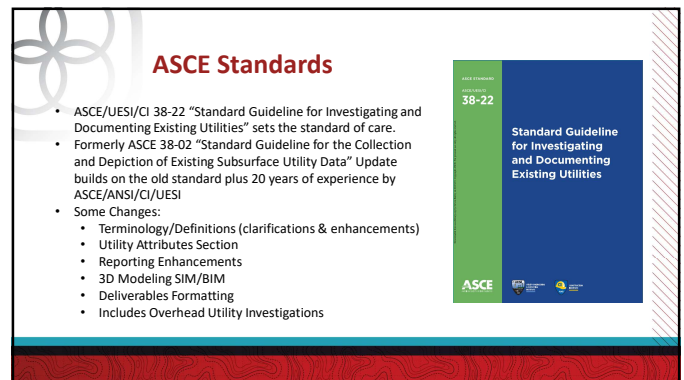
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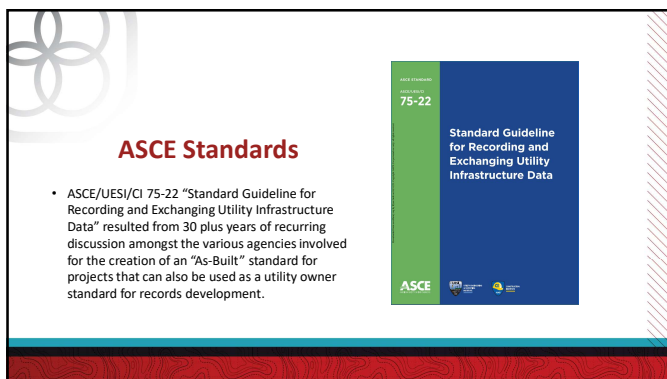
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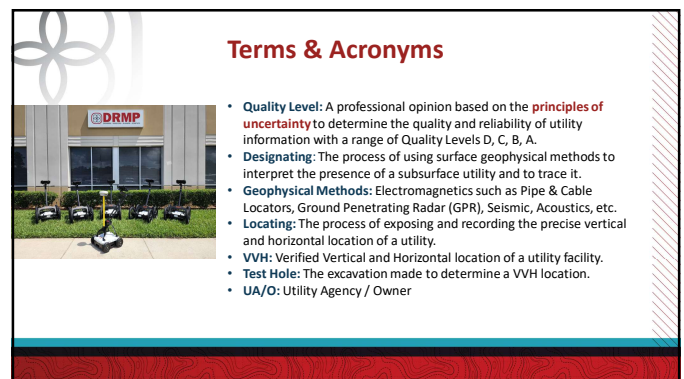
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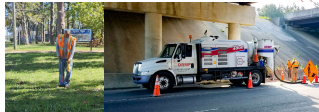
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6

SUE Services

- **Utility Designating**
 - Multifrequency Electromagnetic Locating
 - Ground Penetrating Radar (GPR)
 - 2D Mapping
- **Utility Locates (Test Holes)**
 - Vacuum Excavation
 - Conflict Test Holes
 - Mast Arm Clearance Exploration
 - 3D Mapping
- **Innovative Analysis**
 - Video Inspection
 - Concrete Imaging
 - 3D Tomography
 - LIDAR Vault Scanning
- **Utility Coordination**
 - Records Research
 - Greenlines (30%)
 - Utility Work by Highway Contractor Agreement (UWHCA)
 - Red, Green, Browns (RGBs) (60%)
 - Conflict Analysis
 - Utility Work Schedule (UWS)



7

SUE Process and Technology

- **SUE Process Combines**
 - Civil Engineering
 - Surveying
 - Surface Geophysics
- **SUE Technologies Used**
 - Surface Geophysics
 - Vacuum Excavation



Fast Fact: Using SUE on roadway and development projects is fast becoming a routine requirement throughout the United States and the world.

8

Quality Levels in ASCE 38-22



9

SUE Guidelines – Quality Level D

- 1 Research Owners**
Research Utility Agencies/Owners (UA/O), municipalities, DOTs and others
- 2 Collect Records**
Follow up to ensure we obtain records data from UA/O and other Owners
- 3 Accuracy Review**
Review records data for accuracy and completeness
- 4 Deliverables**
Develop composite drawing and make professional judgements on validity

Data Acquisition Documents

- Existing Plans
- UAO Schematics
- Geographic Information Systems
- As-Builts
- Oral Testimony
- Depiction in CADD Files



Fast Fact: This information is useful but frequently inaccurate for planning a design.

10

UA/O Records Research Log

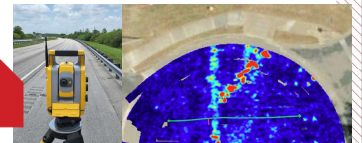
Project Name	Project Number	Project Date	Project Location	Project Status	Project Notes
Project A	1000000001	10/10/2024	1000000001	1000000001	1000000001
Project B	1000000002	10/10/2024	1000000002	1000000002	1000000002
Project C	1000000003	10/10/2024	1000000003	1000000003	1000000003
Project D	1000000004	10/10/2024	1000000004	1000000004	1000000004
Project E	1000000005	10/10/2024	1000000005	1000000005	1000000005
Project F	1000000006	10/10/2024	1000000006	1000000006	1000000006
Project G	1000000007	10/10/2024	1000000007	1000000007	1000000007
Project H	1000000008	10/10/2024	1000000008	1000000008	1000000008
Project I	1000000009	10/10/2024	1000000009	1000000009	1000000009
Project J	1000000010	10/10/2024	1000000010	1000000010	1000000010

11

SUE Guidelines - Quality Level C

- 1 Field Review**
Perform field reviews and compare UA/O records with site conditions
- 2 Field Review Discrepancies**
Identify and resolve any data discrepancies (UA/O records vs. site conditions)
- 3 Surveying**
Survey above ground features of utility appurtenances
- 4 Deliverables**
Correlate QL-D data with surveyed, above ground feature data in CAD file to obtain QL-C standard

Fast Fact: Occasionally Quality Levels "C" or "D" is sufficient to determine project feasibility.



12

Example: Designation Sketch



An aerial photograph of a road intersection with a design sketch overlaid. The sketch shows a proposed road layout with yellow and red lines, indicating lane markings and possibly a new road or median. The intersection is surrounded by trees and buildings. The sketch includes a central green area, possibly a park or median, and a red line running horizontally across the intersection. The sketch also shows a yellow line running vertically through the intersection. The sketch is overlaid on a photograph of the actual intersection, showing the existing road and surrounding environment.

Combined QL-B, QL-C, and QL-D Deliverables

Delivery Options

- Plan & Profile Drawing Sheets
- CAD Reference Files
- GIS Databases
- Utility Reports
- Vault/manhole scans



-----	TH	WATER LINE (QUALITY A ON LEVEL B)
-----	-----	WATER LINE (LEVEL B)
-----	-----	WATER LINE (LEVEL C)
-----	-----	WATER LINE (LEVEL D)

SUE Guidelines – Quality Level A

1 Verify Target Utility Existence/Exact Location/Attributes Perform non-destructive excavation to verify the potential utility conflicts, locate utilities by exposing through minimally invasive techniques	2 Measure and Document Provide detailed measurements and clearly document findings	3 Resolve Discrepancies Resolve any discrepancies between previous Quality Levels	4 Surveying Survey location marks to project control
5 Deliverables Provide test hole reports, update utility location data on CAD files & provide summary of verified utilities table			Fast Fact: Vacuum excavation accurately determines characteristics such as size, material, depth and condition. This data comprises achieving Quality Level A.

[illegible]

Example QL-A Photo Documentation

QL-A Field Conditions – What if?

EVERY SITUATION IS DIFFERENT, AND MAY REQUIRE A UNIQUE APPROACH

- Water table can be an issue causing holes to collapse if encountered before targeted facilities, probing along the QL-B designation can be helpful, what are the impacts? What is the reliability of information gathered?
- Soil Type (Coquina, Cap Rock, Lime Rock,) – chipping hammer? Non-destructive?
- Flowable Fill present, can we determine unambiguous designation of utility inside the limits of it?
- Depth, how deep can we dig? How deep can we probe? Will air or water work better? Impacts?
- Obstructions such as ADA ramps, drainage structures, old foundations, how do we document and deal with them in the design?
- Overlapping Utilities, how do we determine their locations reliably when crowded?

19

The Unknown Utility

3.2.4 Unknown Utilities An unknown utility is an underground facility that may or may not be in service and may have questionable or unknown ownership (i.e., the utility owner is unknown; there is insufficient physical, geophysical, recorded, or anecdotal evidence to warrant a more specific status). If the presence and unambiguous location of a suspected utility is determined by the professional, it can be judged as QL-B regardless of the unknown attributes of ownership, function, size, material, and status. It should be labeled as an “unknown” QL-B. The diligence in which an unknown utility should be investigated to turn it into a known utility is a scope-of-work item.

20

Unknowns, how far do we go?

- Poor documentation of utilities, or a lack thereof, can be due to improper/lack of permitting in the past, UAO's loss or lack of records (lines acquired from other entities), lines placed out of service, insufficient communication or research
- There is a cost associated with determining the ownership of unknown utilities that is difficult to estimate
- Research can include:
 - Communication with UAOs via one-call design system
 - Record plans from municipality, DOT permitting, HOA/developer/resource management districts, military
 - Additional site visits to perform test holes and communicate with residents and businesses

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Why is SUE Beneficial?

- Unnecessary utility relocations can be avoided
- Construction Safety is Enhanced (Damage Prevention)
- Reduces Professional Liability Risk for Design Engineer

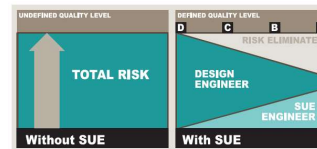


Figure C4-1 – ASCE/UES/CI 38-22

Fast Fact: ASCE 38-22 Figure C4-1. Total project risk minimizes and is shared as uncertainty decreases: (left) total engineering risk pool, (right) allocation of risk within the engineering pool.

22

Subsurface Utility Engineering Association

The Subsurface Utility Engineering Association (SUEA) was officially launched on July 26, 2018. The SUE Association is a not for profit trade association with the intent to complement existing organizations and fill a void by having a specific focus on SUE practice, recognition of ASCE Standard 38-22, SUE education, advocacy, certification and best practices.

- Today, in addition to growing the membership base to now include more than 70 organizations, SUEA has accomplished the following:
- Hosted five national conferences.
 - Worked with the Department of Homeland Security and the Governors of several states to assure that SUE services were defined as critical and essential, enabling businesses to remain open and workers to keep working throughout the pandemic.
 - Implemented webinars programs for business, policy, and technical continuing education.
 - Worked with Congress and Federal agencies on infrastructure legislation, PHMSA reauthorization, and a project labor agreement exemption.
 - Worked with the Department of Homeland Security on a national underground asset register; with the U.S. Army Corps of Engineers on its SUE requirements; and with NCEES and several firms to provide more clarity on the performance of SUE services and the status of state PE and LS licensing laws governing the practice.
 - Was part of efforts to protect GPS from spectrum interference; to implement the Infrastructure Act; to procure federal reform; and was involved in several states that are looking at potential legislation similar to the law enacted in Colorado.

In 2022, SUEA signed an MOU with the UESI of ASCE agreeing on respective roles and responsibilities and cooperative activities so as to avoid unnecessary duplication. This was BIG. These are the groups that will be working together on major activities in the future.

More information can be found here: <https://www.sueassociation.com/>

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Who is DRMP?



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Protecting Florida's Underground/ Water/ Wastewater Infrastructure

Different but the Same

1

Florida Rural Water Association

Our primary purpose is to assist water and wastewater systems with every phase of the water and wastewater operations. Our Active members consist of public water and wastewater systems, such as counties, municipalities, associations, districts, mobile home parks, schools, authorities, etc.



Alicia Keeler
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Tallahassee, FL 32309

Phone: (850) 668-2746
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Web: www.frwa.net

2

Who we Are as A Whole



6,345 water and
wastewater
utilities across
the State of
Florida



20 Million People
served



How We are the
Same



How We Are
Different

3

Design to Construction; What's Next?



Who is Ultimately
Responsible for
Communication



Accountability



Schedule is the
Driver for Locates



Scaled Approach for
Water/ Wastewater

4

Imagine a Day Without Water



5

IMAGINE A DAY WITHOUT WATER...

- Hospitals are affected
- Outpatient treatment facilities such as dialysis centers
- No Fire Protection
- Schools will be closed
- High rises will not have water to the top floors
- Hotels and vacations are impacted
- Restaurants Shut Down
- Beaches, lakes, rivers, and other natural bodies of water



6

FLORIDA THEN & NOW

- Then:
 - 1993: population 13,713,593
 - Governor: Lawton Chiles, aka "Walking Lawton"/ 1,000 mile walk Pensacola/K.West
 - Electoral Votes: 25
 - President: Bill Clinton
- Now:
 - 2024: population 23,002,597
 - Governor: Ron DeSantis
 - Electoral Votes: 30 (third-most in the union)
 - President elect Trump



MISSION TASK

- To protect 8,500 miles of water and 4,100 miles of sewer pipes that lie underneath our streets, lands, and bodies of water (Beijing, China)
- To prevent service interruptions to our 2.8 million customers and citizens of our County
- To protect the \$800 million CIP infrastructure investment
- WASD is the largest Water & Sewer Utility in the SE United States
- 6th largest in the nation
- To protect and preserve our natural resources and environment
- When we do the job well, you won't know
- We are the unseen sentries for WASD



7

8

DRIVING FACTORS FOR INCREASE

- Utility work and Infrastructure expansion, including WASD \$800 Million CIP projects
- AT&T Fiber One Expansion-weekly coordination meeting
 - (#1 ticket volume requester in the State of Florida)
- FPL hardening program to hurricane proof transmission & service drops (On going for next 10 years , & expansion to serve Electric Vehicle charging infrastructure)
- FDOT Projects
- Federal Infrastructure Stimulus grants for Telecom, Elec., roads and bridges
 - (With time completion milestones)
- Affordable Housing development



EDUCATION

- Damage Prevention Council meetings held @ Douglas
 - Educate excavator and foster relationships
- Florida Rural Water Association (Ft. Meyers, Lake Worth)
- FDEP consultation- to advocate for enforcement
- FUCC - invited to present Water/Waste perspective
- Participation in Common Ground Alliance (National) best practices for Locators and excavators
- Golden Shovel program (CGA)



9

10

LEGISLATIVE

- FS 556 is 30+ years old – No cell phones or internet
- Major amendments to be presented to FL legislation in Jan 2026
 - Courting wide-swath consensus to include all stakeholders
 - Large project ticket – Distance based
 - 2, 3, 5, 10 days to locate
- Explore the possibility of legislating the High-Profile designation and practices of monitoring to Miami-Dade code (Case in California, Home rule Charter)
- Sharing of permitting data from Public Works/RER for predictive algorithms
- Require Subsurface Utility Engineering when approaching HPM
- Join S811 lobbyist efforts in Tallahassee



ENFORCEMENT

- No state agency responsible for enforcing FS 556
 - 2023- 153 citations/\$153,904.54 -statewide
- Final recourse if all other efforts fail is the use of enforcement
- Target bad actors, repeat offenders, callous and uncooperative contractors - not unintentional actions
- Enforcement could be avoided by participating in educational classes
- Working with Florida Department of Environmental Protection



11

12

UTILITY DIFFERENCES

- Utilities are not the Same in size and make up for services provided
- FRWA services to our rural communities
- Miami-Dade size and services provided
- Implications for the differences in our infrastructure; one size does not fit all
- Not all systems are connected to State/ County or Public Works in Rural America

13

DAMAGE TO UTILITY INFRASTRUCTURE BY CONTRACTORS- POMPAÑO BEACH

Randy Brown, City of Pompano Beach Utilities Director
WaterReuse Florida – Wellington, FL
May 18, 2022

14

DAMAGE TO OUR PIPES POMPAÑO BEACH

- Contractors are boring through our pipes on a weekly basis
- Utility lines under pressure (water, reuse and force mains) show up quickly, and we usually can confront the contractor
- Hidden damage with our wastewater gravity main and stormwater piping not under pressure
- Damaged pipe can sit undiscovered for awhile, usually causing sinkholes in roadways and swales
- Restrictions in the pipe, can cause flooding or sewer spills
- Major inconvenience to the public, especially when repairing a cross-bore hit located in high-traffic area
- Employee safety concerns, especially if the cross bore is a gas main or high voltage (*has happened before*)

15

WHAT DO YOU MEAN DAMAGE? PIPE, ENVIRONMENTAL, AND LOSS OF TIME



16

COSTS

- Repairs ranging from \$20,000 to \$2.3 million
- Wastewater gravity line at a busy intersection took 3 years for the contractor to repair. Our estimate for the repair was \$300,000
Finally, we said our contractor is going to repair the line; however, we will not guarantee your fiber optic line will continue to function
- On our 24" reuse main, locators failed to locate the line. Our contractor completed a \$162,000 repair
- Legal, Utilities staff time to repair, coordinate repairs, chase after payment
- Our charges we charge back to the contractor don't seem to faze them. However our hands are tied to some degree ...

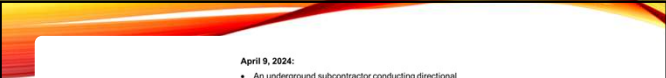
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SEPARATE INCIDENT
MORE RECENT – 54"
FORCE MAIN

LAKE WORTH SITE
REQUIREMENTS FOR
REPAIR

18



April 9, 2024:

- An underground subcontractor conducting directional drilling along Florida Mango Road under the L-10 canal broke the 36-inch regional force main owned by Lake Worth Beach and its subregional partners.
- There were 300 rounds of vacuum trucks to the ECR and other locations to discharge liquids.
- The trucks recovered 850,000 gallons of sewage.
- A total of 20 outside municipalities shared resources with the team for support.
- Total estimated sewage loss was 3-4MGD over the course of the incident.
- Since the sewage break incident, the cleanup activities have been ongoing.

Cost and Legal Proceedings:

- Hinterland's cost estimate for emergency repair and work to date is \$5 million, with a total project estimate of \$15 million.

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A PATH FORWARD

- How Can We Improve on these Points
 - Communication
 - Cooperation
 - Coordination
 - Commitment



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THANK YOU FOR YOUR TIME

Questions & Answers
Pedro Vigil
 Pedro.vigil@miamidade.gov

FOLLOW US ON SOCIAL MEDIA:

-  @MiamiDadeWater
-  @MiamiDadeWater
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21

Florida Utilities Coordinating Committee, Inc

Profit & Loss

January through September 2024

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	Jan - Sep 24
Ordinary Income/Expense	
Income	
Meeting Registrations	58,630.00
Other Types of Income	
BOA Credit Card Cash Rewards	131.33
Total Other Types of Income	131.33
Program Income	
Booth Rental	1,000.00
Total Program Income	1,000.00
Sponsorships	27,175.00
Total Income	86,936.33
Gross Profit	86,936.33
Expense	
Bank Service Charges	
PayPal Fees	2,646.03
Square Fee	19.32
Total Bank Service Charges	2,665.35
Business Expenses	
Business Registration Fees	61.25
Total Business Expenses	61.25
Contract Services	
Accounting Fees	1,045.00
Total Contract Services	1,045.00
Operations	
Advertising and Marketing	1,000.73
Books, Subscriptions, Reference	368.00
Supplies	155.18
Website	38.28
Total Operations	1,562.19
Other Types of Expenses	
Insurance - Liability, D and O	621.42
Total Other Types of Expenses	621.42
Travel and Meetings	
Annual Dinner	1,498.25
Awards	147.40
Door Prizes	386.42
Hotel Fees	78,598.85
Planning Services	9,341.69
Supplies	131.88
Total Travel and Meetings	90,104.49
Total Expense	96,059.70
Net Ordinary Income	-9,123.37
Other Income/Expense	
Other Expense	
Ask My Accountant	0.00
Total Other Expense	0.00
Net Other Income	0.00

Florida Utilities Coordinating Committee, Inc

Profit & Loss

January through September 2024

	Jan - Sep 24
Net Income	-9,123.37