



Tuesday, February 14, 2023

Utility Coordination with Partnering Entities

2023 Capital Improvements Design & Construction Seminar
City of San Antonio | Public Works Department with ACEC San Antonio

Panelists



Herminia (Nina) C. Bittle, P.E.
Manager – Pipelines – Governmental Engineering
San Antonio Water System

David R. Gonzales, CPM
Manager Construction
San Antonio Water System

Jennifer Henriquez, EIT
Engineering Associate 2 | Utility Coordination
CPS Energy

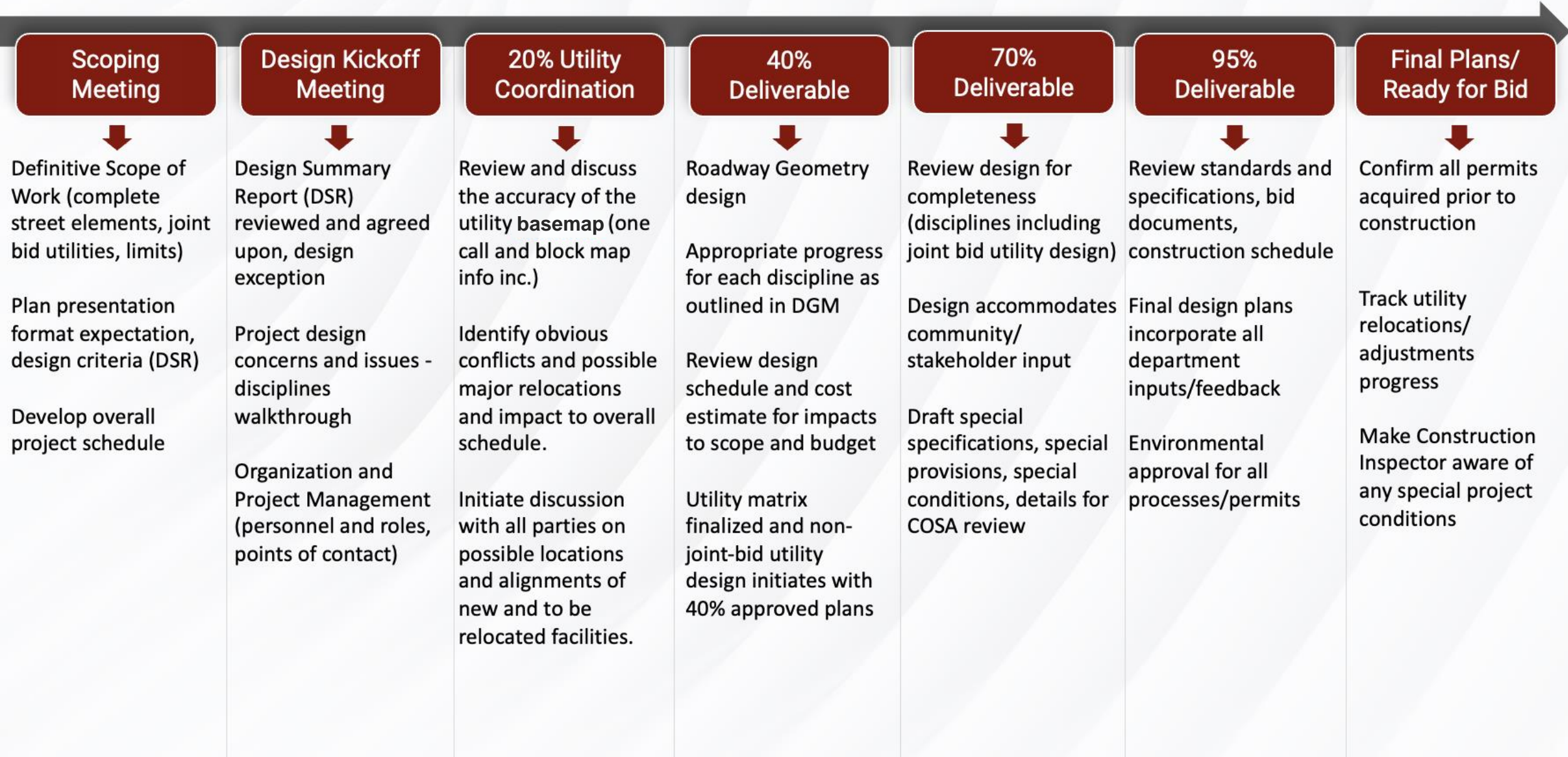
Jason P Guillemette, P.E.
Engineer I | Gas Customer Design Engineering
CPS Energy

Craig Holbert
Area Manager OSP Planning & Engineering
Design
AT&T

Parish Austin
AT&T Utility Coordinator
Manager OSP Engineering Design – Civic
AT&T

Richard Grochowski, P.E.
Engineering Programs Manager
City of San Antonio Public Works Department

Project Design Process



Pre-Scoping Meeting

COSA Public Works

- Provide detailed scope and project limits
- Provide consultant information

Utilities

- Provide record drawings and block maps to consultant
- Identify known scope of work
 - Functional replacements
 - Upgrades
 - Relocations (utility initiated)

CATEGORIES OF UTILITY WORK

- FUNCTIONAL REPLACEMENT
- UPGRADES
- RELOCATION
- ADJUSTMENT

Scoping Meeting and Fee Negotiation

COSA Public Works

- Schedule scoping meeting
- Develop specific agenda items with utilities
- Facilitate negotiations between consultant and joint-design utilities
- Execute contract with allowances

Utilities

- Attend scoping meeting
- Participate in negotiations for utility joint-design fees
- Make room for joint-design allowances / contingencies for future identified relocations and adjustments scope items (if applicable)

20% Utility Meeting

COSA Public Works

- Ensure consultant is prepared with utility layouts and the preliminary Utility Conflict Matrix (UCM)

Utilities

- Review preliminary UCM for any issues or inaccuracies
- Be prepared to discuss proposed utility “lane” assignments to optimize locations with other utilities
- Provide final concurrence on negotiated utility “lane” assignments

40% Design

COSA Public Works

- Final roadway alignments and storm drain trunk line alignments (vertical and horizontal) and cross drainage structures
- Updated UCM with SUE Level A and Level B needs

Utilities

- Joint-design utilities in-phase with COSA design
- Review consultant recommendations for SUE Level A and Level B
- Determine any adjustment or relocation scope based on 40% plans
- Joint-design utilities use design allowances for adjustment and/or relocation scope
- Non-joint bid utilities begin design with approved 40% plans

70% Design

COSA Public Works

- Culverts are detailed
- All storm drain inlets have cross sections
- Utilities joint-bid work accounted for in TCP
- Updated UCM

Utilities

- Joint-design utilities in-phase with COSA design
- Confirm consultant has resolved conflicts identified on UCM with SUE findings and refinement of project design

95% Design

COSA Public Works

- Final plans
- Special specifications
- Updated UCM

Utilities

- Joint-design utilities in-phase with COSA design
- Confirm consultant addressed all conflicts identified in UCM
- Joint-design utilities portion of the submittal includes special specifications if any

Ready for Bid

COSA Public Works

- Notification to joint-bid utilities on bidding schedule

Utilities

- Provide any documentation needed for bidding

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