

THE SOUTHEAST CONNECTOR PROJECT



# MICROSOFT TEAMS LIVE - QUICK TIPS

- All attendees are MUTED and are invited to participate through Q&A throughout the event.
- To ask a question, select Q&A on the right side of screen, type your question, and click send.
- If you experience technical difficulties, please exit event and reenter.
- Due to number of attendees, this event may experience a slight delay.



A copy of this presentation will be available following the event.



# **→** AGENDA - PART 1: GENERAL SESSION

- Welcome
- South-Point Constructors Team Introduction
- Southeast Connector Project Overview
- Design/Professional Services Contract Opportunities
  - Qualifications Submittal Process
- Subconsultant Agreement Overview
  - Project Requirements
- Working with South-Point Constructors
  - Get Connected
  - Resources and Assistance
- Q&A
- Closing Comments Transition to Part 2 (Break Out Sessions)



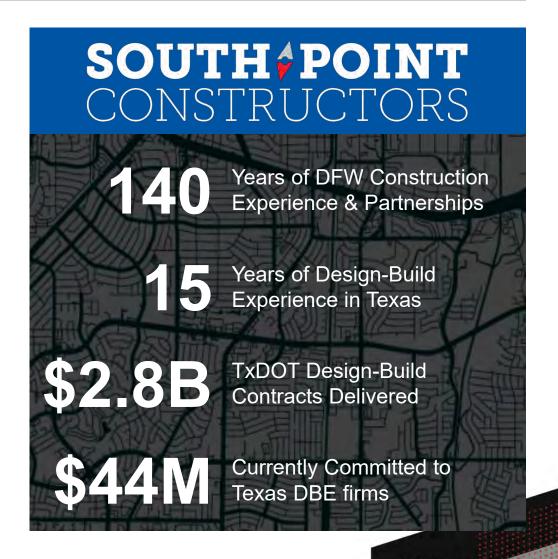
# **TEAM INTRODUCTION**

South-Point Constructors is a fully-integrated joint venture between Equity Members
Kiewit Infrastructure South Co. and
Austin Bridge & Road, LP

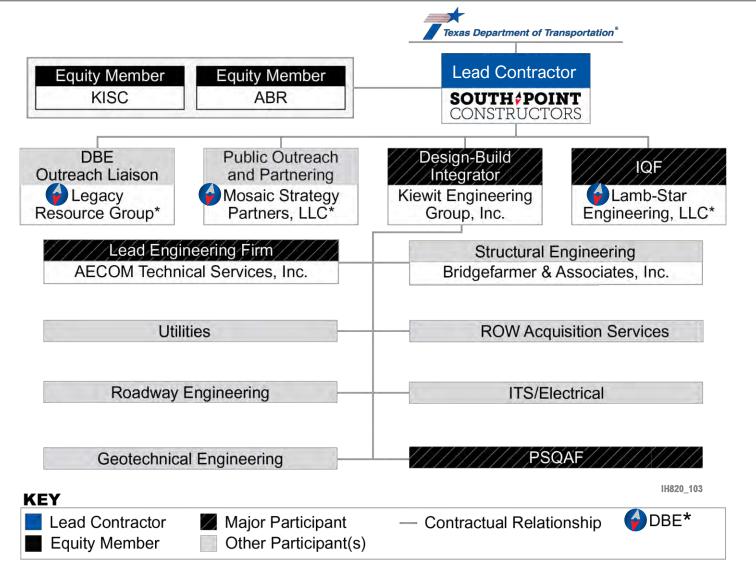
- Multiple local offices, national resources
- Previous Joint Venture experience
- Best practices to optimize DBE participation and success







# SOUTH-POINT CONSTRUCTORS CURRENT TEAM STRUCTURE



# TRUE ECONOMIC INCLUSION AND IMPACT GOES BEYOND COMPLIANCE



**EQUITY:** Maximizing opportunities for DBE participation and fostering commerce with diverse businesses in the community



**PARTNERSHIP:** Ensuring access to information, opportunities, and resources by leveraging longstanding industry relationships



**INVESTMENT:** Practicing stewardship, ensuring maximum return on TxDOT's investment to build business and workforce capacity



**ACCOUNTABILITY:** Operating with transparency, maintaining accountability to the community and key stakeholders









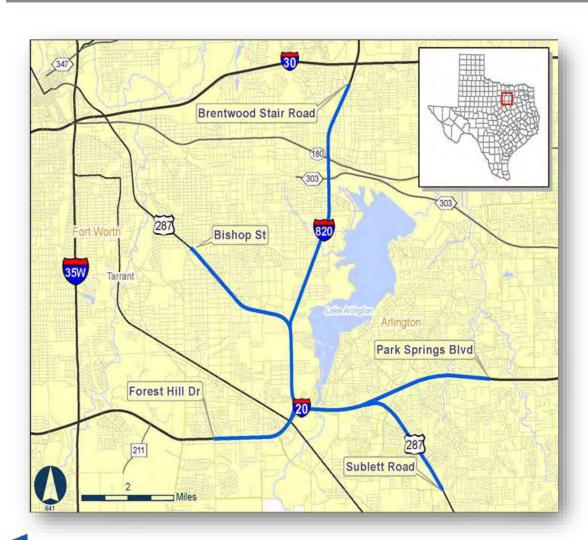
**DFW Terminal D •** Grapevine • Construction Value \$1.2B





# PROJECT OVERVIEW: SOUTHEAST CONNECTOR





## **Project Location: Tarrant County**

- o I-20, I-820 and US 287
- Cities of Arlington, Forest Hill, Fort Worth, Kennedale and Mansfield

## **Total Project Length: 16.6 miles**

- o Reconstruction of I-20/I-820, I-20/US 287 and I-820/US 287 interchanges
- Two of the 100 most congested roadways in Texas connect to the Project corridor



# PROJECT OVERVIEW: SOUTHEAST CONNECTOR



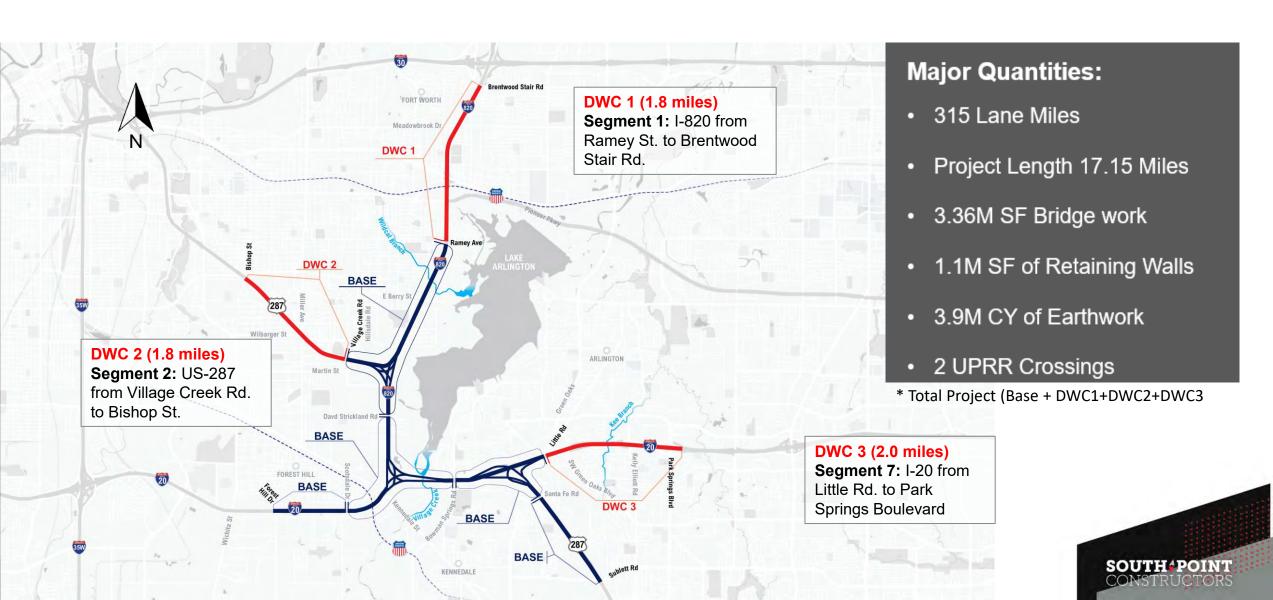
The Southeast Connector is a design-build Project in the Fort Worth District consisting of approximately 16.6 miles of non-tolled improvements to I-20 from Forest Hill Drive to Park Springs Boulevard, to I-820 from I-20 to Brentwood Stair Road, and to US 287 from Bishop Street to Sublett Road. The Project components include the design, construction and maintenance of the roadways, which includes the following:

- I-20 from Forest Hill Drive to Park Springs Boulevard: construction of one additional general-purpose lane, plus four-lane collector-distributors, in each direction; the reconstruction and realignment of existing GPLs, frontage roads, US 287/I-20 interchange, and on- and off-ramps.
- **I-820 from I-20 to Brentwood Stair Road:** construction of two additional general-purpose lanes, plus one additional frontage road lane, in each direction; the reconstruction and realignment of existing GPLs, frontage roads, I-20/I-820 interchange, SP 303/I-820 interchange, US 180/I-820 interchange, and on- and off-ramps.
- **US 287 from Bishop Street to Sublett Road:** construction of one additional general-purpose lane in each direction; the reconstruction and realignment of existing general-purpose lanes, frontage roads, US 287/I-820 interchange, and on- and off-ramps.











## **PROJECT OVERVIEW: OBJECTIVES**

- Improve Safety
- Alleviate Congestion
- Improve Operations
- Provide Transportation Options
- Delivery Quality Project on Budget and Time



# PROJECT OVERVIEW: DBE GOALS

Firms must be certified as Disadvantaged Business Enterprises (DBEs) by Texas Unified Certification Program (TUCP) to count toward the participation goals set forth by TxDOT.

#### Six certifying entities:

- City of Austin
- City of Houston
- Corpus Christi Regional Transportation Authority (CCRTA)
- North Central Texas Regional Certification Authority (NCTRCA)
- South Central Texas Regional Certification Authority (SCTRCA)
- Texas Department of Transportation (TxDOT)

Disadvantaged
Business Enterprise
(DBE) Goals:

14.5% for construction23.0% for professional services

For information about the DBE certification process, visit: https://www.txdot.gov/inside-txdot/division/civil-rights/tucp.html



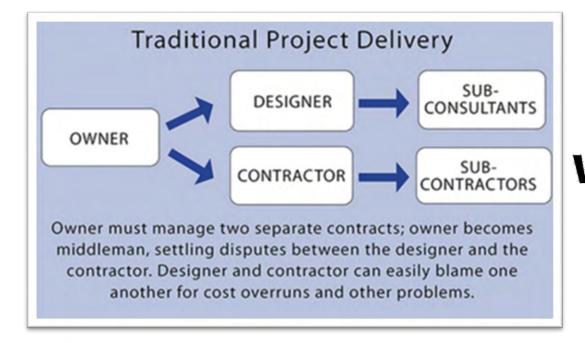
## PROJECT OVERVIEW: PRIME CONTRACT

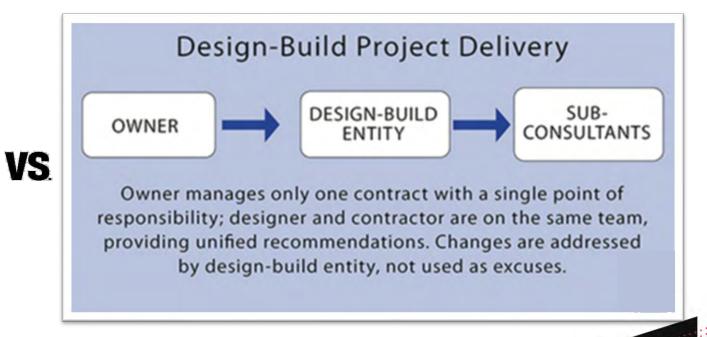
- **Contracting Method:** Design-Build Contract (DBC)
- **Project Cost:** Estimated DBC cost of \$1.59 billion
- **Schedule Milestones** 
  - Prime Contract NTP: Feb 2022\*
  - Professional Services Completion: March 2024
  - Project Physical Completion (Final Acceptance): Q2 2027
- **Disadvantaged Business Enterprise (DBE) Goals:** 
  - o 14.5% for construction
  - 23.0% for professional services



## DESIGN-BUILD CONTRACTING MODEL

The Owner manages only one contract with a single point of responsibility. The designer and contractor work together from the beginning, as a team, leading to collaborative problem-solving and innovation.







# DESIGN BUILD PROCUREMENT PROCESS

Many construction contractors have established and organized their businesses around the traditional design-bid-build procurement method.

On Design-Build projects, bidders should consider:

- Bidding process Drawings and specifications (preliminary)
- Confidentiality Non-Disclosure Agreement
- Teaming/Strategic partnerships

We are here

#### TRADITIONAL METHOD



#### **DESIGN/BUILD & INTEGRATED PROJECT DELIVERY METHOD**

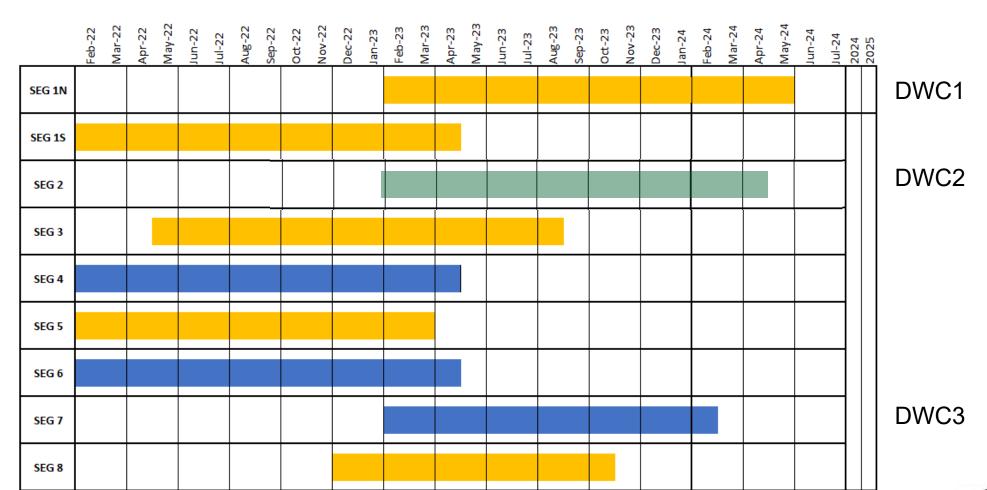




# PROJECT OVERVIEW: DESIGN SCHEDULE

#### **SEC Design Schedule Overview**

AECOM









## TARGETED PROFESSIONAL SERVICES SCOPES

#### **Roadway Design**

- Geometric Design
- Frontage Road Design
- Intersection Design
- Plan & Profile Preparation
- Driveway Design
- ADA Compliance
- Bentley OpenRoad Designer (3D) Modeling)
- Miscellaneous Roadway Design Elements
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Provide Continuing Ad-Hoc support to Design Team
- Design based on TxDOT Criteria and **Specifications**

### **Maintenance of Traffic (MOT)**

- Design of Temporary Guides and Regularity Signage in Accordance with Maintenance of Traffic (MOT) performed by others
- Perform Quality Control in Conformance with Project Design **Quality Management Plans**
- Provide Continuing Ad-Hoc support to **Design Team**
- Design based on TxDOT Criteria and **Specifications**

### **Signing and Pavement Markings**

- Prepare Layouts of Regulatorily Signs in accordance with Roadway Design
- Prepare Summaries of Small and Large Signs
- Prepare Layouts of pavement markings and channelization devices
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Design based on TxDOT Criteria and **Specifications**



# **4** ·

# TARGETED PROFESSIONAL SERVICES SCOPES

#### **Drainage Design**

- Preform Hydrologic Offsite and Onsite Assessment
- Storm Sewer Design utilizing OpenRoads Design Software
- Prepare Stream Crossing Hydraulic for No-Rise Certifications utilizing HEC-RAS and HY-8
- Bridge Class Culverts Design
- Miscellaneous Drainage Special Details
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Provide Continuing Ad-Hoc support to Design Team
- Design based on TxDOT Criteria and Specifications

## **StormWater Pollution Prevention Plans (SW3P)**

- Prepare SW3P Plan Layouts and Details
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Design based on TxDOT Criteria and Specifications



# **4** ·

# **TARGETED PROFESSIONAL SERVICES SCOPES**

## Noise Wall Design

- Geometric Design
- General Notes
- Plan & Profile Preparation
- Structural Details
- Design Coordination Environmental Team
- Design Coordination with Utility Team
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Design based on TxDOT Criteria and Specifications

## **Structures Design**

- Bridge Design (Concrete Structures)
- Bridge Design will include Bridge Layouts and Details
- Preformed Independent Design Check on Bridge Structures
- Perform Quality Control in Conformance with Project Design Quality Management Plans
- Design based on TxDOT Criteria and Specifications



# CURRENT DESIGN/PROFESSIONAL SERVICES OPPORTUNITIES

PACKAGE ID:	MANAGING FIRM	LOCATION	DISCIPLINE	SCOPE OF WORK
SPC-AEC-DRN-S06-SAG-01	AECOM	Segment 06	Drainage	Drainage Design
SPC-AEC-RDW-S04-SAG-01	AECOM	Segment 04	Roadway	Roadway (3D Modeling)
SPC-KIE-DRN-S01S-SAG-01	KIEWIT	Segment 01S	Drainage	H&H Reports Modeling
SPC-KIE-DRN-S03-SOL-01	KIEWIT	Segment 03	Drainage	Bridge Class Culverts / HEC-RAS / HY-8
SPC-KIE-DRN-S08-SOL-01	KIEWIT	Segment 08	Drainage	Bridge Class Culverts / HEC-RAS / HY-8
SPC-KIE-DRN-S03-SAG-01	KIEWIT	Segment 03	Drainage	Plan / Profiles - Storm Drains, Ditches
SPC-KIE-DRN-S05-SAG-01	KIEWIT	Segment 05	Drainage	Plan / Profiles - Storm Drains, Ditches
SPC-AEC-NWL-CW-SOL-01	AECOM	cw	Noise Walls	Noise Wall Design - Entire Corrdior
SPC-KIE-RDW-S05-SAG-01	KIEWIT	Segment 05	Roadway	Roadway Design and (3D Modeling)
SPC-KIE-RDW-S03-SAG-01	KIEWIT	Segment 03	Roadway	Roadway Design and (3D Modeling)
SPC-KIE-MOT-S05-SAG-01	KIEWIT	Segment 05	мот	Roadway Design and (3D Modeling)
SPC-KIE-MOT-S03-SAG-01	KIEWIT	Segment 03	мот	Roadway Design and (3D Modeling)
SPC-KIE-STR-S04-SOL-01	KIEWIT	Segment 04	Structure	Bridges 29-35, 38A & 38B
SPC-KIE-STR-S06-SOL-01	KIEWIT	Segment 06	Structure	Bridges 49, 50, 52B, 53, 54

Please join us for the break-out sessions during Part 2 of today's event for a package overview and Q&A session.



# DESIGN/PROFESSIONAL SERVICES QUALIFICATIONS PROCUREMENT SCHEDULE

Event	Date
Documents posted on Building Connected	December 23, 2021
Solicitation Notice Issued	December 27, 2021
SPC Outreach Event 🛨 (YOU ARE HERE!)	January 4, 2022
Completed Questionnaires due to SPC	January 14, 2022, 4pm CST
SPC to Review submittals and notify shortlist	January 19, 2022
Subconsultant Agreement and Contract Requirements Q&A (Shortlisted firms)	January 21, 2022
Shortlisted firms invited to interview	Week of January 25, 2022
(1hour total - 30 min presentation, 30 min Q&A)	
Selected firms notified	February 3, 2022
Anticipated Contract Execution	February 25, 2022
Debriefs with unselected firms	March 2022
(Debriefs will be provided (within 45 days) to firms not selected upon written request	
submitted to: <a href="mailto:Outreach@SouthPointConstructors.com">Outreach@SouthPointConstructors.com</a> )	



# DESIGN/PROFESSIONAL SERVICES QUALIFICATIONS SUBMITTAL

#### Interested firms should submit qualifications by January 14, 2022, 4pm CST.

- 1. Set up an account in BuildingConnected to access design package documents.
  - Visit <a href="https://app.buildingconnected.com/createaccount">https://app.buildingconnected.com/createaccount</a> to set up an account.
  - Click here to view list of design packages and click "Join" button to access desired scope documents.
- Download and review the Design/Professional Services Submittal Instructions.
- Complete the <u>Professional Services Qualifications Submittal Form</u> and upload required supporting documents (qualifications statements, certification documents, etc.)
  - Please be sure to access form from a computer (not a mobile device) and plan for approximately 45 minutes to complete. (Note: Partial forms cannot be saved in system. Please plan to complete submittal in one sitting)

Be sure to have the following documents/information on hand:

- **DBE Certification documents**
- Certificate of Insurance
- Company brochure, capabilities statement, etc. (Optional)
- Resumes of key personnel propose
- 2 Relevant Project Examples (Project name, brief description, location, scope performed, contract value)
- Client contact information for project references (name, email, phone)

Questions? Email: Outreach@SouthPointConstructors.com



# FUTURE CONSTRUCTION SUBCONTRACT OPPORTUNITIES

- Aggregate Supply
- Asphalt Paving
- Asphalt Supply
- Concrete Barrier
- Concrete Redi-Mix
- Concrete Saw & Seal
- Drilled Shafts
- Erosion Control
- Flatwork
- Fuel
- Guardrail
- Hauling (Dirt/Aggregate/ Cement/Oil)
- ITS
- Landscaping
- Lighting

- Liquid Asphalt Supply/Haul
- Pavement Demolition
- Precast (Walls/Barrier/ Deck Panels/Girders/ Drainage)
- Rebar Furnish/Install
- Retaining Walls
- Saw Cutting
- Signals
- Sound Walls
- Striping
- Subsurface Utility Exploration & Potholing
- Traffic Control
- Uniform Traffic Control
- Utility Construction

During this stage of the project, SPC is seeking to engage local, small, and diverse firms whose services align with design/professional services scopes.

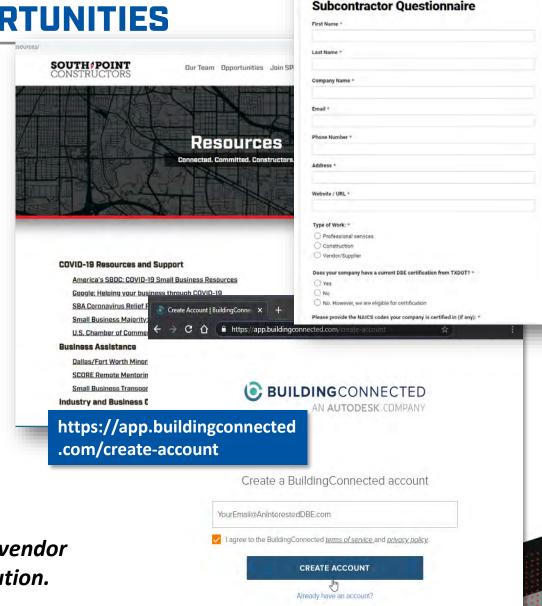
We are also working to identify firms interested in exploring future participation opportunities for the duration of the project.



## JOIN OUR DATABASE FOR FUTURE OPPORTUNITIES

- Step 1: Complete our <u>Subcontractor Questionnaire</u> to join our mailing list and help us understand your capabilities and bidding interest for this project.
- Step 2: Sign-up for Building Connected to be added to our bidder's list!
  - Create an account with <u>BuildingConnected</u>
  - The SPC BuildingConnected site can be accessed at:

https://app.buildingconnected.com/public/5f44 0af4acbdf9004e4c6b61



SOUTH POINT

SPC will utilize BuildingConnected for bid solicitations and vendor communications regarding plans/specs/addenda distribution.



# SUBCONSULTANT AGREEMENT OVERVIEW: REMINDERS

SPC is committed to providing information and assistance to firms interested in participating on the Project.

### Please remember:

- ✓ Broad overview of key contract terms
- ✓ Intent is not to provide legal advice
- ✓ South-Point Constructors encourages all firms to perform an exhaustive review of any contract/agreement (and/or to seek legal counsel) prior to signing
  - Firms should thoroughly consider and assess their particular circumstances and potential risks
  - Certain terms/requirements may be negotiable on a case-by-case basis



# **PROJECT REQUIREMENTS**

## **Project Requirements**

- Project schedule requirements
- Contract-compliant design
- Insurance (Professional liability requirements Kiewit standard is \$1M)
- Prime contract federal requirements
- DBE Performance Plan
  - DBE Goals
  - Commercially Useful Function



# **TEAM/PROJECT INTEGRATION**

SPC recognizes the importance of partnership and collaboration to deliver a successful project. We ensure success through:

- Onboarding and Liaison Support
- Integrated Project Controls (training provided)
- Project Safety Standards
- Project Quality Standards



# PROJECT REQUIREMENTS: DIVERSITY AND NONDISCRIMINATION

SPC is committed to inclusive employment and business practices that reflect equity, respect, and accountability.

- Every Project employee/subcontractor is required to adhere to our Equal Employment Opportunity, Anti-Harassment and Non-Discrimination Policy.
- Respectful behavior extends to everyone on the team, as well as prospective employees, subcontractors, vendors and clients.
- We believe in an inclusive environment and community.
- We have policies in place to ensure that we have a workplace that is free from discrimination.

# SOUTH-POINT CONSTRUCTORS HAS ZERO TOLERANCE FOR DISCRIMINATION OR HARASSMENT.



# **OPPORTUNITY TYPES:**

SPC is committed to dividing work packages to optimize capacity of larger firms and facilitate participation by small and emerging firms. To maximize participation, SPC has structured design and professional services opportunities into two types:

- **Standalone Scopes:** Firms secure a contract to perform as Designer of Record for a complete package, providing full design services.
- **Staff Augmentation:** Firms secure a contract to perform specific services that align with their expertise and capacity through assigning specific staff resources to supplement the project team.



# **CONTRACT/AGREEMENT TYPES**

## **Master Service Agreement:**

Contract mechanism for long term or frequent engagement between Prime/team and subconsultant

- Covers major terms
- Enables firms to be quickly engaged for specific services/functions
- Task orders are project by project basis to include scope, schedule and budget

# Consulting Services Agreement:

Contract mechanism between Prime/team and subconsultant to deliver specific services

- Project specific
- Applicable for Staff augmentation opportunities

# Professional Services Agreement:

Contract structure defining terms concerning full design services

- Project specific
- Requires liability insurance (full design, professional stamping)



# KEY TERMS/CLAUSES FOR REVIEW

- Insurance
- Quality Assurance
- Payment terms
- Standard of Care
- Indemnity
- Notices provisions
- Changes



### **♦ INSURANCE REQUIREMENTS**

Subconsultants are required to maintain the following minimum insurance:

- Workers' Compensation coverage in accordance with statutory limits required where the Work is being performed and Employer's Liability coverage of not less than \$1,000,000 each accident.
- **Commercial General Liability** of not less than \$5,000,000 each occurrence and \$5,000,000 general aggregate.
- Automobile Liability of not less than \$1,000,000 each accident, covering "any auto," or covering all owned, non-owned and hired vehicles used in its operations.
- Professional Liability Insurance or \$1,000,000 per claim/aggregate protecting Subconsultant
  against liability from damages arising from Subconsultant's professional errors or omissions in
  services performed under Agreement.
  - Such coverage shall be continued for a period of not less than three (3) years after acceptance of the completed project by the project's owner.



#### **QUALITY ASSURANCE/QUALITY CONTROL OVERVIEW**

- Quality Assurance Procedures: Subconsultant shall work to define quality assurance procedures
  including:
  - Identifying processes to plan and control all quality related activities.
  - Ensuring the availability of resources and information necessary to support the operation and monitoring of these processes.
  - Monitoring, measuring and analyzing the effectiveness of the quality processes.
  - Implementing actions necessary to achieve planned results and continual improvement of processes.
- Quality Control Plans: Subconsultant shall establish and maintain a documented review system that demonstrates compliance with the quality requirements of the Project:
  - Availability at review points of applicable drawings, instructions, etc.
  - Identification of where subconsultant's services will be employed.
  - Identification of mandatory hold points for an item or process before the work can proceed.
  - Subconsultant shall prepare Quality Control Plans for all activities affecting quality



#### PRIME CONTRACT FLOWDOWN PROVISIONS

The following terms are included as a flow down provision from the Design Texas Department of Transportation, Build Agreement – General Conditions dated November 2021.

- Article 3.2.1 TxDOT's Disadvantaged Business Enterprise (DBE) Special Provisions ensure that DBEs shall have an equal opportunity to participate in the performance of contracts financed in whole or in part with federal funds. DB Contractor shall comply with all applicable requirements set forth in the DBE Special Provisions and TxDOT's Disadvantaged Business Enterprise Program applicable to design-build agreement projects and adopted pursuant to 49 CFR Par 26, and the provisions in DB Contractor's approved DBE Performance Plan.
- Article 3.3.1 DB Contractor confirms for itself and all Subcontractors that DB Contractor and each Subcontractor has an equal opportunity policy ensuring equal employment opportunity without regard to race, color, national origin, sex, age, religion or handicap; and the DB Contractor and each Subcontractor maintains no employee facilities segregated on the basis of race, color, religion or national origin. DB Contractor shall comply with all applicable Laws relating to equal opportunity and nondiscrimination, including those set forth in Attachment 3-1, and shall require its Subcontractors to comply with such provisions.





# Please type your questions in the Q&A panel on the right.

One of our moderators will direct to the appropriate presenter.





## SOUTH-POINT CONSTRUCTORS DIVERSITY TEAM COMMITTED. CONNECTED.



**HUGH HARRISON** 

15 YEARS in Construction

34 YEARS of D&I Experience



**KELLI KELLY** 

16 YEARS in Construction

12 YEARS of D&I Experience



**BIANCA SANDOVAL** 

22 YEARS in Construction

22 YEARS of D&I Experience



**SIMEON TERRY** 

30 YEARS in Construction

23 YEARS of D&I Experience



**BRITT WALTER** 

12 YEARS in Construction

08 YEARS of Contract Admin



#### MAXIMIZING DBE ENGAGEMENT AND OPPORTUNITIES

- Work packages structured to optimize capacity of larger firms and facilitate participation by small and emerging firms
- Outreach events (general and targeted)
- Promoting connections and relationships between larger firms and DBE firms
- Extensive and timely notification of bid opportunities across a wide variety of channels

- Consistent and transparent bid processes
- Dedicated resources to address identified bid information/assistance needs
- Partnership with local community/industry organizations to promote opportunities and align resources



#### \* RESOURCES AND ASSISTANCE

SOUTH POINT CONSTRUCTORS

South-Point Constructors is committed to providing information and resources to assist firms seeking opportunities to participate on the Southeast Connector project.

- "Roadside Assistance" Workshop Series
- Bidders' Quick Reference Guides
- SPC Website



#### Missed our past workshops?

Visit our website to access presentation files and recordings of our past events





Join us for an overview of the Design Build delivery method. Learn about contract structure, procurement

Roadside Assistance Workshop: Safety/Operating in a Covid-19 Environmen Join us to hear from a safety expert about best practices and resources to keep your workforce safe in the

schedule and process, and key considerations for small firms.





## CONNECT WITH SOUTH-POINT



**EMAIL** 

Outreach@SouthPointConstructors.com



**VISIT** 

SouthPointConstructors.com



#### TRANSITION TO PART 2



# This concludes Part 1 of today's event.

Please join the breakout sessions by accessing the link provided via email.

Link can also be found in the Q/A panel.

#### **Concurrent Breakout Sessions: 2:15 – 3pm**

- Breakout Room 1: Roadway / Maintenance of Traffic / Signing and Pavement Marking
- Breakout Room 2: Noise Wall / Structures
- Breakout Room 3: Drainage / Stormwater
- Breakout Room 4: Subconsultant Agreement Overview and Q&A





#### TIPS FOR A GREAT MEETING

- To avoid background noise during the presentation, please mute your microphone.
- Please sign in by typing your name and firm in the chat box.
- All attendees are invited to submit questions via the chat function during the presentation.
- During the Q&A, feel free to raise your hand or unmute to ask your questions.







#### **♦** AGENDA – PART 2: DISCIPLINE SPECIFIC BREAK-OUTS

- Welcome and Logistics
- **Concurrent Breakout Sessions:** 
  - Breakout Room 1: Roadway / Maintenance of Traffic / Signing and Pavement Marking
  - Breakout Room 2: Noise Wall / Structures
  - Breakout Room 3: Drainage / Stormwater
  - Breakout Room 4: Subconsultant Agreement Overview and Q&A
- Working with South-Point Constructors
  - Get Connected
- Q&A
- **Closing Comments**



#### SELECT YOUR BREAKOUT ROOM



- Breakout Rooms In Progress

  V Room 1

  V Room 2

  0
- Join Room 1?

  No Yes

- Visit multiple sessions!
- Copies of each presentation will be available following the event.







#### PROJECT OVERVIEW: SOUTHEAST CONNECTOR



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- **I-820 from I-20 to Brentwood Stair Road:** construction of two additional general-purpose lanes, plus one additional frontage road lane, in each direction; the reconstruction and realignment of existing GPLs, frontage roads, I-20/I-820 interchange, SP 303/I-820 interchange, US 180/I-820 interchange, and on- and off-ramps.
- **US 287 from Bishop Street to Sublett Road:** construction of one additional general-purpose lane in each direction; the reconstruction and realignment of existing general-purpose lanes, frontage roads, US 287/I-820 interchange, and on- and off-ramps.







#### **AGENDA**

- Project Overview
- Project Civil Overview
- Roadway Scope
- MOT Scope
- Signing and Pavement Marking
- Contracting Approach
- Submittal Process
- Expectations for Success
- Q&A





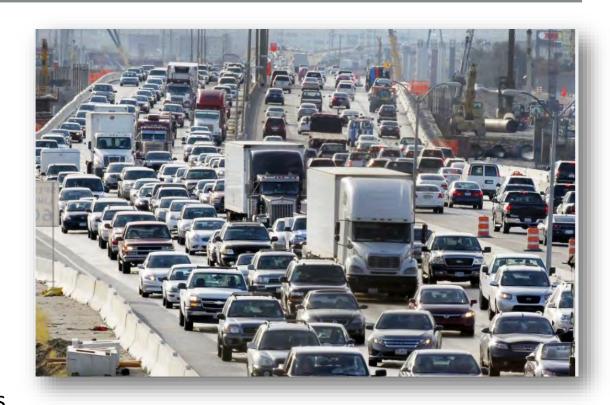
#### **PROJECT CIVIL DESIGN**

#### **Heavily Traveled Corridor**

- 230,000 vehicles a day on the mainline
- 8-10% Trucks
- Close to 400 lane-miles

#### **Design Features**

- 3 System to System interchanges
- 20 System to Service interchanges
- 19 local street reconstruction impacts
- Frontage roads with business and residential access



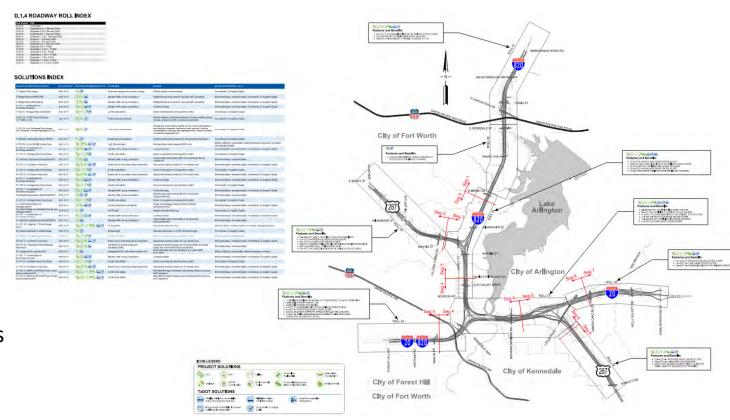




#### **ROADWAY SCOPE**

#### **SEC's Approach**

- Proposal Design was Thoroughly Vetted
  - TxDOT Baseline Reviewed
  - Optimizations Incorporated
  - ATC's Approved
  - 3D Model was Developed
- Modifications to Proposal Design
  - Incorporate TxDOT Comments
  - Review Other Proposals for Opportunities
  - Isolated Locations Requiring Further Design Development / Construction Sequencing



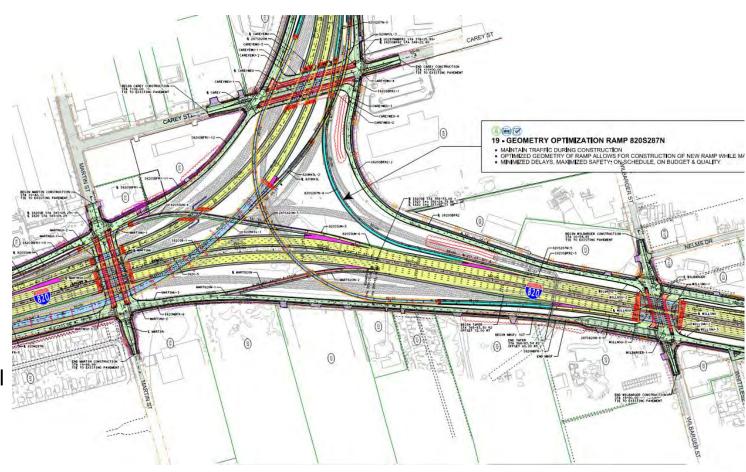
THE SOUTHEAST CONNECTOR PROJECT
PROPRIETARY AND CONFIDENTIAL



#### **ROADWAY SCOPE**

#### **Base Scope**

- Criteria per Technical Provisions
- Geometric Design
  - Mainline, Ramps, Cross-Streets
  - Detailed Design
    - » Intersections / ADA Compliance
    - » Gore Details
    - » Retaining Walls
- 3D Modeling (ORD)
  - Required Deliverable with each Submittal
  - Multi-Discipline Effort
  - Construction Staging / MOT Support
- Plan Preparation
  - Standard TxDOT Plan Set







#### **MOT SCOPE**

#### **Minimize Impacts to the Public**

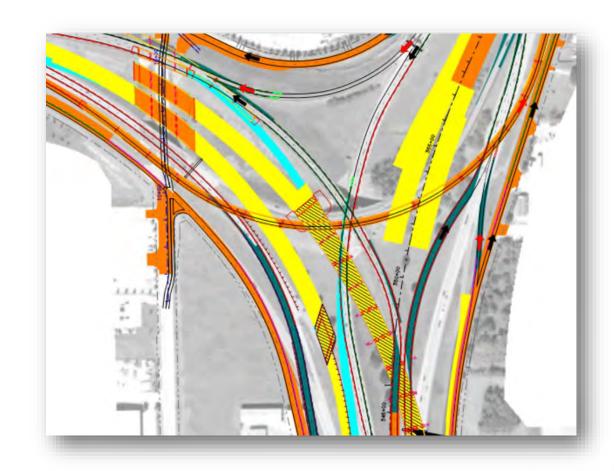
- Technical Provisions Outline Requirements
- Minimize Lane Closures

#### **SEC's Approach**

- Heavily Phases Construction
- Up to 13 Preliminary Phases During Proposal Stage

#### **Design Approach**

- Just In Time Plan Delivery
- 5-year Design Duration
- Construction Driven Design







#### SIGNING AND PAVEMENT MARKING SCOPE

#### **Guide Signs**

- Design overhead and ground mounted signs
- Provide Sign details for sign panels and overhead structures

#### **Striping**

 Design pavement markings to meet TxDOT Standards

#### **Design Approach**

Duration to follow roadway design schedule





#### **CONTRACTING APPROACH**

#### **Roadway Design**

- Sub-Segment Design Areas
- 3D Modeling within ORD environment
- Detailed Design Focused Tasks (Intersection Design, Driveway Design, Utility Coordination)
- Quality Control

#### **MOT/Detour Design Support**

- MOT Design, modeling, temp walls
- Corridor-wide Guide Signs during Construction

**Permanent Pavement Marking and Sign Design** 

CAD





#### **EXPECTATIONS FOR SUCCESS**

#### **Key Expectations from our DBE Partners**

- Become a fully integrated team member within SPC
- Embrace Kiewit's Culture for Safety and Quality
- Be nimble, the only constant in Design-Build is Change
- Learn, Teach and be a Mentor





#### **AGENDA**

- Project Overview
- Noise Wall Scope
- Structures Scope
- Approach to Contracting
- Expectations for Success
- Qualifications Submittal Process
- Q&A





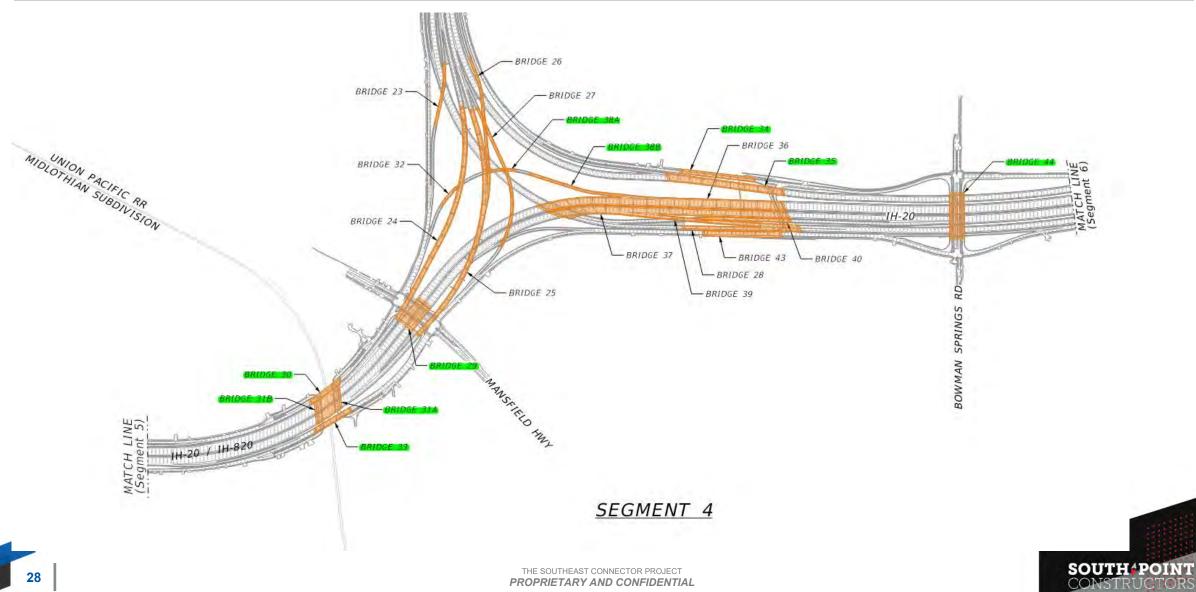
# NOISE WALL SCOPE

- Precast Post & Panel Type
  - Approx. 34,000 LF
- Barrier Mounted CIP Type
  - Approx. 4,100 LF
- Corridor Wide Project Standard Structural Design
- Location Specific Layouts

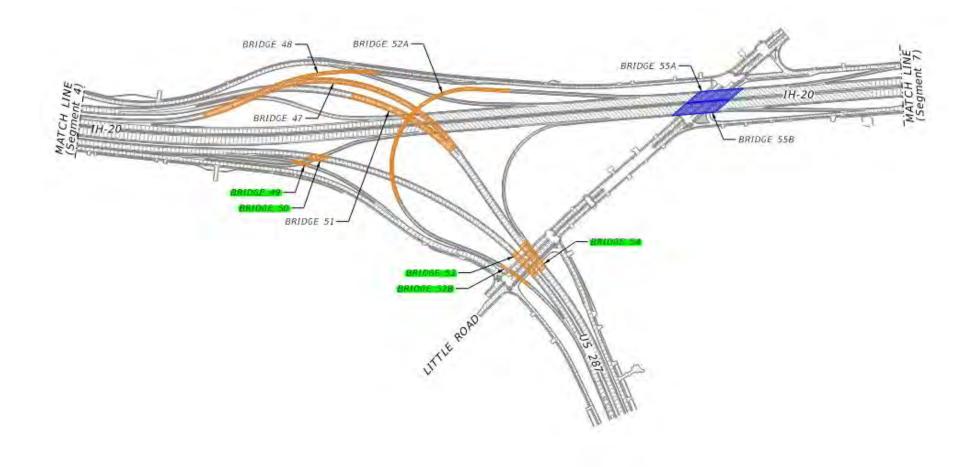




# **STRUCTURES SCOPE**



# STRUCTURES SCOPE



SEGMENT 6





# **APPROACH TO CONTRACTING OPPORTUNITIES**

# **Standalone Scope**

- Opportunities:
  - Noise Walls
    - » Corridor Wide Project Standard Design
    - » Post & Panel
  - Segment 4 Independent Design Checks
    - » Bridges 29 35, 38A & 38B
  - Segment 6 Independent Design Checks
    - » Bridges 49 50, 52B, 53, 54





### **EXPECTATIONS FOR SUCCESS**

### **Key expectations from DBE Partners:**

- Meet Schedule
- Meet Quality Expectations
  - Design correct
  - Follow Project Quality Process
- Coordination and Communication
  - With other structures teams & design lead
  - Other disciplines
    - » Roadway, Utilities, Drainage, MOT
- Design-Build Process
  - Flexibility with a constantly changing design
  - Teamwork to adjust design for other disciplines
  - Limit material quantity growth

### Technical Skills

- TxDOT Bridge Design & Detail Manuals
- TxDOT Standard Plans
- AASHTO LRFD
- CAD & Software (Microstation, PG Super, L-Pile, TxDOT BGS)
- Future Work
  - Deferred work contracts
  - Future teaming opportunities on other projects





# **AGENDA**

- Segment Overview
- Drainage Scope
- Stormwater Scope
- Approach to Contracting
- Expectations for Success
- Qualifications Submittal Process
- Q&A





### **Bridge Class Culverts**

### **14 Bridge Class Culverts**

- HEC-RAS Analysis
- Project Requirements
  - No-Rise at ROW Line
  - No overtopping of frontage roads or highways
  - Grading of channel transitions

### **Deliverables**

- Hydraulic Report
- Plan and Profile Sheet
- Hydraulic Results Sheet
- Misc. Details





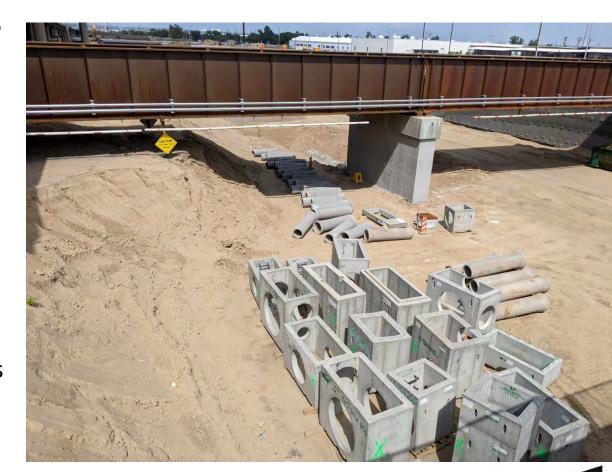
### **Onsite Drainage Design**

# **16 Miles of Project Corridor:** Mainline, Ramps, Frontage Roads

- Storm Drain
- Roadside Ditches
- Account for offsite flows
- Project Requirements
  - No adverse impacts outside right-of-way
  - Spread

### **Deliverables**

- OpenRoads Designer (Bentley ORD) Drainage Models
- Plan and Profile Sheet
- Hydraulic Results Sheet
- Drainage Area Maps





### **Temporary Drainage**

### Design

- Evaluate each phase of construction for compliance with design criteria
- Provide documentation that each phase meets design criteria
- Design Criteria
  - 2-Year Design Storm
  - Spread cannot reduce travel lanes to less than 10ft

### **Deliverables**

- Plan and Profile Sheet
- Drainage Report
  - Drainage Area Maps
  - Hydraulic Calculations



**Stormwater Pollution Prevention Plans (SW3P)** 

### **SW3P Plans**

- Plans outline BMPs to be installed
- Final stabilization plans

### **Deliverables**

SW3P Plans





# TWO APPROACHES TO CONTRACTING OPPORTUNITIES

# **Staff Augmentation**

- Support design team as in-office member
- Opportunities:
  - Onsite Drainage Design
  - Temporary Drainage
  - CAD

# **Standalone Scope**

- Sub out piece of the project
- Opportunities:
  - Bridge Class Culverts (HEC-RAS)
  - Temporary Drainage
  - SW3P





# **EXPECTATIONS FOR SUCCESS**

### **Key expectations from DBE Partners:**

- Meet Schedule
- Meet Quality Expectations
  - Design correct
  - Follow Project Quality Process
- Coordination and Communication
  - With other drainage teams
  - Other disciplines
    - » Roadway, Utilities, Structures, MOT
- Design-Build Process
  - Flexibility with a constantly changing design
  - Teamwork to adjust design for other disciplines
  - Limit material quantity growth

- Technical Skills
  - HEC-RAS
  - ORD / Storm Drain Design
  - CAD & Software
- Future Work
  - Deferred work contracts
  - Future teaming opportunities on other projects





# **AGENDA**

- Project Requirements Overview
- Subconsultant Agreement Overview
- Qualifications Submittal Process
- Q&A





# PROJECT REQUIREMENTS

### **Project Requirements**

- Project schedule requirements
- Contract compliant design
- Insurance (Professional liability requirements Kiewit standard is \$1M)
- Prime contract federal requirements
- Enforcement of DBE Performance Plan



# PROJECT DBE GOALS

# Disadvantaged Business Enterprise (DBE) Goals: 14.5% for construction 23.0% for professional services

Firms must be certified as Disadvantaged Business Enterprises (DBEs) by Texas Unified Certification Program (TUCP) to count toward the participation goals set forth by TxDOT.

### Six certifying entities:

- City of Austin
- City of Houston
- Corpus Christi Regional Transportation Authority (CCRTA)
- North Central Texas Regional Certification Authority (NCTRCA)
- South Central Texas Regional Certification Authority (SCTRCA)
- Texas Department of Transportation (TxDOT)



# PROJECT REQUIREMENTS: COMMERCIALLY USEFUL FUNCTION

A DBE performs a commercially useful function (CUF) when it is responsible for execution of its contracted work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. a CUF is being performed if the amount of work subcontracted aligns with industry practices, and the amount the firm is to be paid under the Agreement is commensurate with the work it is actually performing.

- To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the Agreement, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.
- A DBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, Agreement, or project through which funds are passed in order to obtain the appearance of DBE participation.
- If a DBE does not perform or exercise responsibility for at least 30% of the total cost of its contract with its own work force, or if the DBE subcontracts a greater portion of the work than would be expected on the basis of normal industry practice for the type of work involved, TxDOT will presume that the DBE is not performing a CUF.



# SUBCONSULTANT AGREEMENT OVERVIEW: REMINDERS

SPC is committed to providing information and assistance to firms interested in participating on the Project.

### Please remember:

- ✓ Broad overview of key contract terms
- ✓ Intent is not to provide legal advice
- ✓ South-Point Constructors encourages all firms to perform an exhaustive review of any contract/agreement (and/or to seek legal counsel) prior to signing
  - Firms should thoroughly consider and assess their particular circumstances and potential risks
  - Certain terms/requirements may be negotiable on a case-by-case basis



# **CONTRACT/AGREEMENT TYPES**

- Master Service Agreement: Contract mechanism for long term or frequent engagement between Prime/team and subconsultant
  - Covers major terms
  - Enables firms to be quickly engaged for specific services/functions
  - Task orders are project by project basis to include scope, schedule and budget
- Consulting Services Agreement: Contract mechanism between Prime/team and subconsultant to deliver specific services
  - Project specific
  - Applicable for Staff augmentation opportunities
- **Professional Services Agreement:** Contract structure defining terms concerning full design services
  - Project specific
  - Requires liability insurance (full design, professional stamping)



# KEY TERMS/CLAUSES FOR REVIEW

- Insurance
- Quality Assurance
- Payment terms
- Standard of Care
- Changes
- Notice provisions

### **Exhibits from Professional Services Agreement**

- Exhibit A Scope of Services
- Exhibit B Fee Schedule
- Exhibit C Special Conditions
- Exhibit D Quality Assurance/Quality Control
- Exhibit E Form of Lien Waiver
- Exhibit F Prime Contract Flowdown provisions



# **♦ INSURANCE REQUIREMENTS**

Subconsultants are required to maintain the following minimum insurance:

- Workers' Compensation coverage in accordance with statutory limits required where the Work is being performed and Employer's Liability coverage of not less than \$1,000,000 each accident.
- Commercial General Liability of not less than \$5,000,000 each occurrence and \$5,000,000 general aggregate.
- Automobile Liability of not less than \$1,000,000 each accident, covering "any auto," or covering all owned, non-owned and hired vehicles used in its operations.
- Professional Liability Insurance or \$1,000,000 per claim/aggregate protecting Subconsultant
  against liability from damages arising from Subconsultant's professional errors or omissions in
  services performed under Agreement.
  - Such coverage shall be continued for a period of not less than three (3) years after acceptance of the completed project by the project's owner.

# **PAYMENT**

- Invoices should be submitted monthly.
  - When applicable, Subconsultant shall submit a timesheet for all hours of work performed with the submittal of each invoice to corroborate invoice amount.
- Any changes to Agreement require an approved change order.
  - No payment for work beyond the original Scope of Work shall be made without a fully executed change order.
- Payment of undisputed invoiced amount(s) will be paid ten (10) days after receipt of payment from Contractor.
- Prior to payment, subconsultants must provide:
  - Proof of Insurance
  - Completed Form W-9, "Request for Taxpayer Identification Number and Certification."
- Final Payment, and release of retention if applicable, shall be made when
   Subconsultant has delivered a signed final lien waiver and full release of all claims.



# **STANDARD OF CARE**

The standard of care for Subconsultant under this Agreement will be the care and skill ordinarily used by members of the design and engineering profession performing similar services under similar conditions and location as the relevant Project.

If an applicable Prime Contract sets forth performance specifications for a particular Project, Subconsultant shall perform or furnish the relevant Design Services so as to satisfy the Prime Contract performance specifications.



# **CHANGES AND NOTICE PROVISIONS**

## **Changes**

 If Kiewit desires to issue a Change Order, it will submit, in writing, a Change Order notice to Subconsultant. Subconsultant shall, within fifteen (15) business days of receipt of said Change Order notice, provide a Change Order proposal to KEG setting forth any increase or decrease in the cost of, and/or the time required for the performance of the Change as well as any of the Design Services affected by the Change.

### **Notice Provisions**

•If Subconsultant fails to deliver the notices referred to in Section 5.2 within the time periods referred to herein, then Subconsultant shall not be entitled to any additional compensation, extensions of time, amendments to the Design Schedule or any other relief from its obligations contained in this Agreement.



# TWO APPROACHES TO CONTRACTING OPPORTUNITIES

# **Staff Augmentation**

- Support design team as in-office member
- Opportunities:
  - Onsite Drainage Design
  - Temporary Drainage
  - CAD

# **Standalone Scope**

- Sub out piece of the project
- Opportunities:
  - Bridge Class Culverts (HEC-RAS)
  - Temporary Drainage
  - SW3P





# DESIGN/PROFESSIONAL SERVICES QUALIFICATIONS SUBMITTAL

### Interested firms should submit qualifications by January 14, 2022, 4pm CST.

- 1. Set up an account in BuildingConnected to access design package documents.
  - Visit https://app.buildingconnected.com/createaccount to set up an account.
  - Click here to view list of design packages and click "Join" button to access desired scope documents.
- Download and review the Design/Professional Services Submittal Instructions.
- Complete the <u>Professional Services Qualifications Submittal Form</u> and upload required supporting documents (qualifications statements, certification documents, etc.)
  - Please be sure to access form from a computer (not a mobile device) and plan for approximately 45 minutes to complete. (Note: Partial forms cannot be saved in system. Please plan to complete submittal in one sitting)

### Be sure to have the following documents/information on hand:

- **DBE** Certification documents
- Certificate of Insurance
- Company brochure, capabilities statement, etc. (Optional)
- Resumes of key personnel propose
- 2 Relevant Project Examples (Project name, brief description, location, scope performed, contract value)
- Client contact information for project references (name, email, phone)

Questions? Email: Outreach@SouthPointConstructors.com



# DESIGN/PROFESSIONAL SERVICES QUALIFICATIONS PROCUREMENT SCHEDULE

Event	Date
Documents posted on Building Connected	December 23, 2021
Solicitation Notice Issued	December 27, 2021
SPC Outreach Event	January 4, 2022
Completed Questionnaires due to SPC	January 14, 2022, 4pm CST
SPC to Review submittals and notify shortlist	January 19, 2022
Subconsultant Agreement and Contract Requirements Q&A (Shortlisted firms)	January 21, 2022
Shortlisted firms invited to interview	Week of January 25, 2022
(1hour total - 30 min presentation, 30 min Q&A)	
Selected firms notified	February 3, 2022
Anticipated Contract Execution	February 25, 2022
Debriefs with unselected firms	March 2022
(Debriefs will be provided (within 45 days) to firms not selected upon written request	
submitted to: <a href="mailto:Outreach@SouthPointConstructors.com">Outreach@SouthPointConstructors.com</a> )	



# CONNECT WITH SOUTH-POINT



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