



March 31, 2021  
**AGENDA ITEM #12**

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Discuss and consider authorizing the Executive Director to issue work authorizations to WSP USA Inc. and Atkins North America, Inc. for general engineering consulting and oversight services for the 183 North Mobility Project

Strategic Plan Relevance:	Regional Mobility
Department:	Engineering
Contact:	Mike Sexton, P.E., Acting Director of Engineering
Associated Costs:	\$25,992,453
Funding Source:	Toll revenue bonds and Transportation Infrastructure Finance and Innovation Act (TIFIA) funds.
Action Requested:	Consider and act on the draft resolution

**Project Description** – The 183 North Mobility Project will expand capacity along a nine mile stretch of US 183 between SH 45 and MoPac by adding two tolled express lanes in each direction in the median of US 183, expanding the existing US 183 to four non-tolled general-purpose lanes in each direction, and constructing a shared use path, and sidewalks between SH 45/RM 620 and Loop 1. The project also includes the addition of a direct connector between the existing express lanes on MoPac and the proposed express lanes on US 183 and additional operational improvements along MoPac, including an option to add a collector-distributor road.

The Mobility Authority’s general engineering consultants (GEC), WSP USA, Inc. and Atkins North America, Inc. will provide project management, oversight, and public involvement services necessary to oversee the design and construction of the 183 North Mobility Project. Staff will assign work to each GEC based on current workload and staff expertise/availability.

**Previous Actions & Brief History of the Project**

- February 8, 2021, the Mobility Authority Board awarded a contract to design and construct the 183 North Mobility Project to Great Hills Constructors.



**GENERAL MEETING OF THE BOARD OF DIRECTORS  
OF THE  
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

**RESOLUTION NO. 21-0XX**

**AUTHORIZING THE EXECUTIVE DIRECTOR TO ISSUE WORK AUTHORIZATIONS TO  
WSP USA INC. AND ATKINS NORTH AMERICA, INC. FOR GENERAL ENGINEERING  
CONSULTING AND OVERSIGHT SERVICES FOR THE 183 NORTH MOBILITY PROJECT**

WHEREAS, by Resolution No. 16-034, dated June 15, 2016, the Board of Directors approved a Master Agreement with WSP USA, Inc. (formerly Parsons Brinckerhoff, Inc.) for general engineering consultant services; and

WHEREAS, by Resolution No. 17-067, dated December 13, 2017, the Board of Directors approved a Master Agreement with Atkins North America, Inc. (Atkins) for general engineering consultant services; and

WHEREAS, by Resolution No. 21-011, dated February 24, 2021. The Board of Directors awarded a design-build contract to Great Hills Constructors to design and construct the 183 North Mobility Project; and

WHEREAS, the Mobility Authority requires general engineering consultant services including project management, reporting, project controls, design oversight, construction oversight, environmental compliance, public involvement, and system integration support and inspection for the 183 North Mobility Project as detailed on Exhibit A hereto; and

WHEREAS, the Executive Director recommends the Board of Directors authorize him to negotiate and execute various work authorizations with Atkins and WSP USA, Inc. for general engineering consultant services on the 183 North Project in a cumulative amount not to exceed \$25,992,453.

NOW THEREFORE, BE IT RESOLVED that the Board of Directors hereby authorizes the Executive Director to negotiate and execute various work authorizations with WSP USA, Inc. and with Atkins North America, Inc. on behalf of the Mobility Authority in a cumulative amount not to exceed \$25,992,453 for general engineering consultant services on the 183 North Mobility Project .

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 31<sup>st</sup> day of March 2021.

Submitted and reviewed by:

Approved:

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Geoffrey Petrov, General Counsel

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Robert W. Jenkins, Jr.  
Chairman, Board of Directors

**Exhibit A**

## **SERVICES TO BE PROVIDED BY GEC**

### **GENERAL**

The work to be performed by the General Engineering Consultant (GEC) will include project management services necessary to oversee the design and construction of 183 North (hereinafter referred to as the “Project”) through the use of a Design Build Contract (hereinafter referred to as the “Contract”). This will entail those professional services and associated deliverables required to complete the oversight activities associated with the management of the Design Oversight, Construction Engineering and Inspection (“CE&I”), and Independent Environmental Compliance Manager (“IECM”) consultants and the D/B Contractor (“Contractor”).

### **PROJECT MANAGEMENT**

The GEC will provide staff to administer, manage, review and coordinate development of the Project. The GEC will develop and maintain a staffing plan for consistency and appropriate levels of Project staffing. Activities included in this task:

- Contracting Support
- TIFIA application and Finance Support
- Project Administration & Coordination
- Sub-Consultants
- Change Order Processing & Management
- Dispute/Claims Support
- Project Meetings & Documentation
- Document Controls
- Response to Open Records Requests

### **REPORTING**

The GEC will provide reporting required in accordance with the TxDOT Project Development Agreement (PDA), Bond Indenture, TIFIA, and the Mobility Authority. The GEC will provide qualified technical and professional personnel to perform this task. The following activities are included:

- Program Reporting
- Annual Financial Plan Updates
- Trust Indenture and TIFA Reporting

### **PROJECT CONTROLS**

The GEC will provide project controls oversight of the CEI team on the project and inform the Mobility Authority of key developments. The GEC will provide qualified technical and professional personnel to perform this task.

### **DESIGN OVERSIGHT**

The GEC will provide professional services associated with design oversight that are required to oversee compliance of the design in accordance with the PDA, and the Contract. The GEC will provide qualified technical and professional personnel to perform this task. In performance of the task, The GEC shall not direct, manage or control the DB Contractor or SI’s design work activities. Design oversight by the GEC will not relieve the DB Contractor and SI of sole responsibility for design related services. Design oversight efforts will focus on coordination with the Contractor’s and SI’s design process to provide monitoring and oversight of reasonable compliance with Contract obligations, Contractor’s Design Quality Management Plan (DQMP), SI Contractor obligations and sound engineering practices. The following activities are included:

- Design Review Management Plan (DRMP)
- DB Contractor Coordination
- Design criteria / Schematic Design Review
- Work group meetings
- Design reviews
- Design Final Acceptance

## **CONSTRUCTION OVERSIGHT**

The GEC will provide professional services associated with oversight of the Contractor, Consultants, and the SI. The GEC will provide qualified technical and professional personnel to perform this task. In performance of this task, the GEC shall not direct, manage or control the Contractor's or SI's construction work activities. Construction Oversight by the GEC will not relieve the Contractor or SI of sole responsibility for the means and methods of the construction, or for health or safety precautions in connection with this work. The Contractor's engineer will remain responsible for design related services.

Construction oversight efforts will focus on ensuring that the CE&I firm is managing the Contractor's and SI's construction processes to provide monitoring and oversight of reasonable compliance obligations, sound engineering practices and regulatory requirements. The following activities are included:

- General Technical Support
- Shop Drawing / Submittals Processing and Management
- Contractor Draw Requests
- Mobility Authority Construction Coordination Support
- Right-of-Way/Utility Coordination
- Final Punch List/Final Inspection/Notice of completion

## **ENVIRONMENTAL COMPLIANCE**

If requested by the Mobility Authority, the GEC will provide staff to monitor, review and report on the (IECM) compliance efforts.

## **PUBLIC INVOLVEMENT**

The GEC will support the Mobility Authority from NTP 1 through Open to Tolling with the administration, management, coordination, and implementation of the community outreach and engagement oversight efforts, providing assistance as requested from the Mobility Authority's Communications Manager for the day-to-day construction communications throughout the life of the contract. Activities included in this task:

- Communications Strategy and Coordination
- Monthly Construction Communications
- Public Information Outreach
- Website Management
- Event Management

## **SYSTEM INTEGRATION SUPPORT AND INSPECTION**

The GEC will coordinate and oversee the SI's development of the toll collection system layout, including the location of the toll collection gantries, toll collection system design and toll collection system infrastructure requirements and the integration with the Contractor's work. The GEC will monitor adherence to the Toll System Collection Responsibility Matrix by both the Contractor and SI.

**[END OF ATTACHMENT]**

### Estimated Costs for GEC Services

<b>Service</b>	<b>Estimated Costs</b>
Project Management	\$5,829,210
Design Oversight	\$5,421,760
Construction Management	\$4,828,380
Public Involvement	\$4,892,461
Environmental Oversight	\$345,980
Expenses	<u>\$1,284,342</u>
<b>Subtotal</b>	\$22,602,133
<b>Contingency at 15%</b>	\$3,390,320
<b>TOTAL</b>	<b>\$25,992,453</b>