



Texas Transportation Commission Meeting

September 27, 2012

Item 4.a

Grand Parkway

SH 99 Segments F-1, F-2, and G

SH 99 Grand Parkway (Status)



Seg. I-2 (Phase 1) – open to traffic from I-10 to FM 1405

Seg. D - frontage roads open to traffic. FBCTRA constructing tolled overpasses

Seg. E - under construction

Seg. F-1, F-2 & G – in procurement

Future Priorities: Seg. H, I-1, I-2 (Phase 2&3), C, B and A



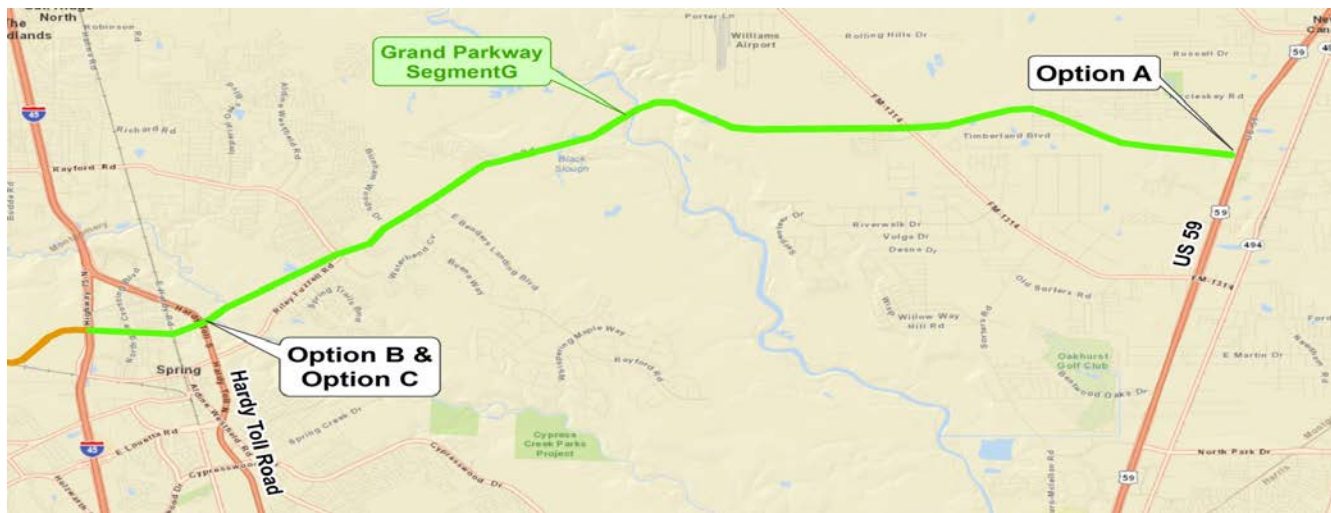
Project Description



Design-Build CDA

- Project Length – 37.8 miles
- Construct SH 99 from US 290 to US 59 with five major interchanges :
 - US 290
 - SH 249
 - I-45
 - Hardy Toll Rd
 - US 59 North
- Creates a tolled, four-lane highway around North & West Houston from US 59 to US 59

Option Work Included in Proposal Direct Connectors



- Option A: EB SH 99 to NB US 59
- Option B: NB Hardy Toll Road to EB SH 99
NB Hardy Toll Road to WB SH 99
- Option C: EB SH 99 to SB Hardy Toll Road
WB SH 99 to SB Hardy Toll Road

Option Work Included in Proposal Future Overpasses



- Option D: Overpass - Bauer Hockley/Grant Rd
- Option E: Overpass at Future Botkins/Juergen Rd
- Option F: Overpass at Future Cypress Hill Rd
- Option G: Overpass at Future Shaw Rd
- Option H: Overpass at Max Conrad Dr

Project Description (Cont.)



Capital Maintenance Agreement

- Three 5-year terms, commencing upon Substantial Completion
- First 5-year term mandatory
- Second and Third terms at TxDOT's option

Tolls based on HCTRA policy

Project Need



- Improves mobility, air quality, safety and addresses growing congestion
- Significant expansion of existing facility
- Improves mobility
- Tolled lanes with complete electronic toll collection, compatible with all other toll road networks in the Region and State.

Procurement History



- Nov 18, 2011 – issued Request for Qualifications
- Feb 23, 2012 – short-listed five of the seven proposers
- May 3, 2012 – issued Request for Detailed Proposals
- Aug 15 & 22, 2012 – received four proposals
- *Sept 27, 2012 – Conditional Award*

Proposers



TxDOT received proposals from four shortlisted teams:

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- 1. Fluor Balfour Beatty Williams Brothers (FBW)**
 - 2. Kiewit-Granite Parkway Constructors JV**
 - 3. Spring Creek Constructors**
 - 4. Zachry-Odebrecht Parkway Builders**
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Proposer - FBW



- **Fluor Enterprises, Inc. (Equity Owner)**
 - **Balfour Beatty Infrastructure, Inc. (Equity Owner)**
 - **Williams Brothers Const. Co., Inc. (Equity Owner)**
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- Parsons Brinkerhoff, Inc
 - VMS, Inc
 - Raba-Kistner Infrastructure, Inc.
 - Kleinfelder, Central, Inc
 - Tolunat-Wong Engineers, Inc
 - URS Corporation
 - CP&Y
 - Gunda Corporation, Inc
 - IDC, Inc
 - LJA Engineering & Surveying, Inc
 - Structural Engineering Associates, Inc
 - AMEC, Inc.
 - Pinnacle Consulting Management /Group, Inc
 - TJ Lambrecht Construction
 - Valley Prestress
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Proposer : Kiewit-Granite Parkway Constructors JV



- **Kiewit Texas Construction L.P. (Equity Owner)**
 - **Granite Construction Company (Equity Owner)**
 - **Texas Sterling Construction Co. (Equity Owner)**
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- HDR Engineering, Inc
- Gorrondona & Associates, Inc
- Kimley-Horn and Associates, Inc.
- Midtown Engineers, LLC
- IEA, Inc
- Excelsis, Inc
- The Transtec Group, Inc.
- Half and Associates, Inc
- Rodriguez Transportation Group, Inc
- S&B Infrastructure, Ltd
- Civi Corp, LLC
- HVJ Associates, Inc
- Lamb-Star Engineering, L.P.
- Rone Engineering Services Ltd.
- Kiewit-Granite Parkway Constructors JV

Proposer : Spring Creek Constructors



- **J.D. Abrams, LP (Equity Owner)**
- **FCC Construcccion S.A. (Equity Owner)**
- **The Lane Construction Corp., (Equity Owner)**
- **Shikun & Binui Ltd, (Equity Owner)**

- Bridgefarmer & Associates, Inc.
- Kellog Brown & Root Services, Inc.
- Professional Services Industries, Inc. (PSI)
- Universal Field Services, Inc
- Blanton & Associates, Inc
- Binkley & Barfield Consulting Engineers
- Merlin Services, Inc.
- Berg – Oliver Associates, Inc
- Landtech Consultants, Inc
- Clark Condon Associates, Inc
- Geotest Engineering, Inc
- Huitt-Zollars, Inc
- Klotz & Associates, Inc.
- Community Awareness Services, Inc
- Mantenimiento de Infraestructuras, S.A.

Proposer : Zachry-Odebrecht Parkway Builders



- **Zachry Construction Corporation (Equity Owner)**
 - **Odebrecht Construction, Inc. (Equity Owner)**
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- Parsons Transportation Group
- Infrastructure Corporation of America
- Dannenbaum Engineering
- Brown & Gay Engineers, Inc.
- PGAL
- Innovative Engineering Associates
- Charles D. Gooden Consulting Engineers, Inc.
- Golder Associates Inc.
- Terracon Consultants, Inc.
- O.R. Colan Associates
- Costello, Inc.
- Walter P. Moore
- Cobb, Fendley & Associates, Inc.

Scoring of Proposals



- Best Value scoring
 - Base Price 75 points
 - Option Price 5 points
 - Project Development Plan 10 points
 - Schedule 10 points
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 - Maximum possible 100 points
- Price includes design, construction and capital maintenance costs
- Project Development Plan score is based upon Technical Solutions as well as the Project Management and Quality Management Plans
- Schedule scoring is based on the ratio of Total Days Saved by a Proposer to the predetermined schedule benchmark savings

Scoring of Financial Proposals (Additional Information)



- Base Price Score = PV of Base Price + Value of ATC Adjustment + PV of Maintenance Base Price – Value of Complexity Point Adjustment (ROW reduction incentive)
- Option Price Score = PV of Option Price + PV of Maintenance Option Price
- Lowest Price Value in each category received the maximum points and others received points pro-rata based on their Price Value to the lowest Price Value

Results



Zachry-Odebrecht Parkway Builders

- Zachry Construction Corporation (Equity Owner)
 - Odebrecht Construction, Inc. (Equity Owner)
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is recommended to the Texas Transportation Commission as providing the best value

Results (cont.)



- Zachry-Odebrecht Pkwy Builders.....92.20
- Fluor/Balfour Beatty/Williams Bros.72.11
- Spring Creek Constructors.....70.07
 J.D. Abrams/FCC/Lane
 Shikun & Binui
- Kiewit/Granite Pkwy Constructors.....63.04

Results (Cont.)

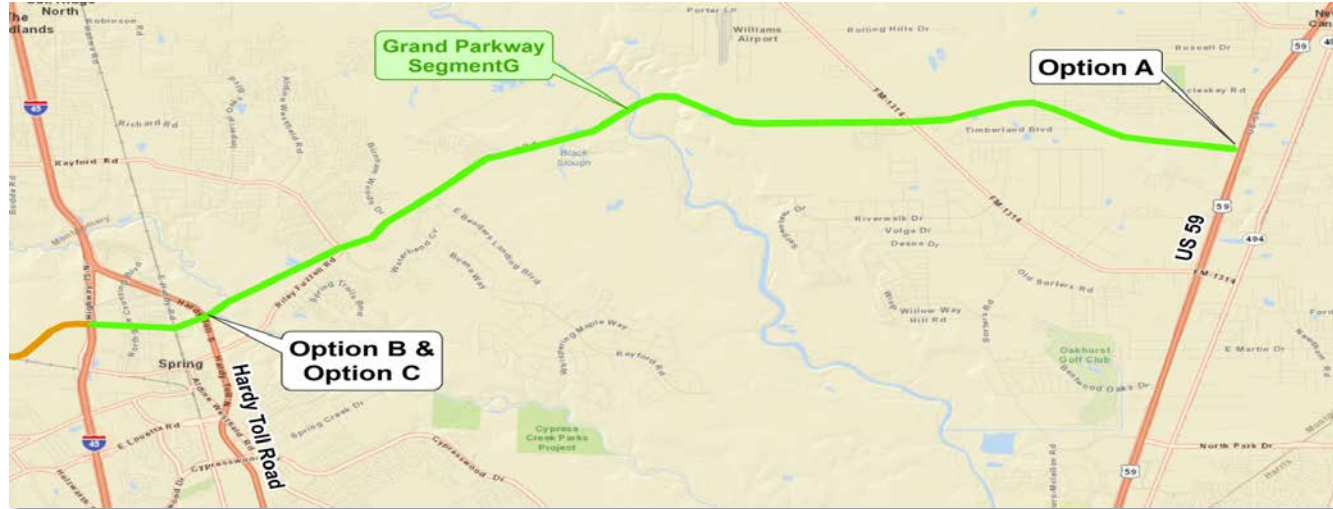


Zachry-Odebrecht Parkway Builders

• Base Development Price	\$ 1,007,053,000
• Base CMA Price	\$ 55,156,750
• Option Price	\$ 36,500,000
• Option CMA Price	\$ 2,726,205
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• Total Design & Construction	\$ 1,043,553,000
• Total Committed Contract (5yrs O&M)	\$ 1,055,086,895
• Total Contract with 15yrs O&M	\$ 1,101,435,955

Option Costs

Direct Connectors



- Option A: EB SH 99 to NB US 59 - \$10,000,000
- Option B: NB Hardy Toll to EB SH 99
NB Hardy Toll to WB SH 99 - \$10,318,000
- Option C: EB SH 99 to SB Hardy Toll
WB SH 99 to SB Hardy Toll - \$ 8,882,000

Option Costs

Future Overpasses



- Option D: at Bauer Hockley/Grant Rd - \$ 1,300,000
- Option E: at Future Botkins/Juergen Rd - \$ 2,000,000
- Option F: at Future Cypress Hill Rd - \$ 2,000,000
- Option G: at Future Shaw Rd - \$ 1,000,000
- Option H: at Max Conrad Dr - \$ 1,000,000

Next Steps



- Environmental permitting (January 2013)
- Negotiate final terms of CDA
- FHWA final concurrence
- Attorney General -- legal sufficiency review
- 30-day notice and information to Legislative Budget Board Execution of the CDA by Jan 2013
- Contract for development, design and construction of the project
 - Construction completed within 3 years
 - Capital Maintenance Agreement, commencing upon completion of construction

TxDOT Evaluation



- Over 55 people participated in the Evaluation
 - 28 – TxDOT Staff
 - 25 – Consultant / Advisors
 - FHWA

Questions?

Staff recommends and requests your approval of this minute order.