

Meeting Date: December 16, 2015 AGENDA ITEM # 3

Approve Supplement No. 2 to HNTB's Work Authorization No. 16 for the MoPac Improvement Project.

Strategic Plan Relevance: Regional Mobility

Department: Engineering

Contact: Wesley M. Burford, P.E., Director of Engineering

Associated Costs: \$11,884,332

Funding Source: Reimbursed with Project Funds

Action Requested: Consider and act on draft resolution.

Summary:

The Board approved HNTB Corporation Work Authorization No. 16 to provide general engineering consultant services related to the MoPac Improvement Project at their June 26, 2013 meeting. That work authorization was sufficient for the completion of the project associated with the original schedule proposed by the contractor. In light of the significant project delays, this Supplement provides for continuation of support of current activities which include: construction oversight, project management, construction engineering, inspection services, material acceptance testing, environmental compliance, public involvement and administrative tasks. Savings from the original WA will be used toward work on this supplement as well. The estimate of cost for this work authorization is based on an assumption of a project completion date of March 2017. Our internal estimates of completion are as soon as July 2016 to as late as November 2017 and we should gain more clarity on that completion date as we move through the contract enforcement process with the contractor.

Backup provided: Draft Supplement No. 2 to Work Authorization No. 16

Draft Resolution for Board Consideration

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

RESOLUTION NO. 15-____

APPROVING SUPPLEMENT NO. 2 TO HNTB'S WORK AUTHORIZATION NO. 16 FOR THE MOPAC IMPROVEMENT PROJECT.

WHEREAS, by Resolution No. 13-040 dated June 26, 2014, the Board of Directors authorized the Executive Director to finalize and execute on behalf of the Mobility Authority a proposed a proposed work authorization with HNTB Corporation ("HNTB") for the MoPac Improvement Project (the "Project"); and

WHEREAS, by Resolution No. 14-004 dated January 28, 2015, the Board of Directors authorized the Executive Director to finalize and execute Supplement No. 1, providing an extension to Work Authorization No. 16 with HNTB for the Project; and

WHEREAS, a proposed Supplement No. 2 to Work Authorization No. 16 is attached hereto as Exhibit A and sets forth a Scope of Services and other terms for additional project management services necessary to oversee the design and construction of the Project; and

WHEREAS, the Executive Director recommends approval of proposed Supplement No. 2 to Work Authorization No. 16.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors hereby adopts and approves Supplement No. 2 to Work Authorization No. 16 in substantially the form attached hereto as Exhibit A; and

BE IT FURTHER RESOLVED that the Executive Director is authorized to finalize and execute Supplement No. 2 to Work Authorization No. 16 on behalf of the Mobility Authority.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 16th day of December, 2015.

Submitted and reviewed by:	Approved:
Geoffrey Petrov, General Counsel	Ray A. Wilkerson Chairman, Board of Directors

APPENDIX D

WORK AUTHORIZATION SUPPLEMENT

WORK AUTHORIZATION NO. 16

SUPPLEMENT NO. 2

This Supplement No. 2 to Work Authorization No. 16, dated April 27, 2013, is made as of this ____ day of _____, 2015, under the terms and conditions established in the AGREEMENT FOR GENERAL CONSULTING ENGINEERING SERVICES (the "Agreement"), between the Central Texas Regional Mobility Authority ("Mobility Authority") and HNTB Corporation ("GEC"). This Supplement is made for the following purpose, consistent with the services defined in the Agreement:

MoPac Improvement Project - Design / Build Oversight

The Project schedule requires extension in order for the D/B contractor to complete the project; necessitating amendment to Work Authorization 16 schedule and compensation to complete the defined services. The following terms and conditions of Work Authorization No. 16 are hereby amended as follows:

Section A. – Scope of Services

Additional services may be needed if the Project completion requires processes, tasks and deliverables not currently anticipated; including D/B Contractor default with no cure, D/B Contractor termination, and D/B Contractor voluntary termination. If required, those services and associated fees will be negotiated under an additional supplement.

Section B. - Schedule

GEC shall perform the Services and deliver the related Documents (if any) according to the following schedule:

Services defined herein reflect a single-phased opening of the Project and are anticipated to be substantially complete on September 30, 2017. This Work Authorization will not expire until all tasks associated with the Scope of Services are complete as defined by the Mobility Authority.

Section C. – Compensation

C.1. In return for the performance of the foregoing obligations, the Authority authorizes to the GEC an additional \$11,884,332 based on a Cost Plus fee list in Attachment B – SWA02 Fee Estimate. This will increase the not-to-exceed amount for Work Authorization No. 16 from \$18,430,663 to \$30,314,995. Compensation shall be in accordance with the Agreement.

The Authority and the GEC agree that the budget amounts contained in Attachment B-SWA02 Fee Estimate for the GEC are estimates and that these individual figures may be redistributed and/or adjusted as necessary over the duration of this Work Authorization. The GEC may alter the compensation distribution between tasks or work assignments to be consistent with the Services actually rendered within the total Work Authorization amount. The GEC shall not exceed the maximum amount payable with prior written permission by the Authority.

Section E. – Other Provisions

Schedule for the services of this supplement are based upon the Project Schedule provided by the D/B Contractor. Revisions to the Project Schedule that extend the date of project completion as listed in Section B above may require an additional supplement.

Schedule anticipates the following milestones:

- Substantial Completion March 9, 2017
- Final Acceptance July 7, 2017
- Project Closeout September 5, 2017

Except to the extent expressly modified herein, all terms and conditions of the Agreement shall continue in full force and effect.

Mobility Authority:	GEC:
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY	HNTB Corporation
By:	By:
Name: <u>Mike Heiligenstein</u>	Name: Richard L. Ridings, P.E.
Title: Executive Director	Title: <u>Vice President</u>
Date:	Date:

Attachment B SWA02 Fee Estimate

	нитв	DBE SUB	NON-DBE SUB	TOTAL	Percentage of Oversight Fee
Total Labor & Overhead & Profit					
Project Management Oversight	\$2,492,825	\$0	\$0	\$2,492,825	17.70%
Claims Review and DRB Support	\$1,016,637	\$34,848	\$51,120	\$1,102,605	7.83%
Toll Facilities	\$1,249,866	\$0	\$0	\$1,249,866	8.88%
Project Controls	\$430,711	\$298,618	\$11,076	\$740,405	5.26%
Public Involvement	\$162,320	\$65,271	\$0	\$227,591	1.62%
Construction Oversight	\$3,501,441	\$4,120,883	\$40,213	\$7,662,537	54.42%
Sub-Total Burdened Labor	\$8,853,801	\$4,519,620	\$102,409	\$13,475,830	95.70%
F	\$202.000	\$404 F00	£440 500	#co5 000	4.200/
Expenses	\$393,000	\$101,500	\$110,500	\$605,000	4.30%
Total Fee (Design/Build Oversight)	\$9,246,801	\$4,621,120	\$212,909	\$14,080,830	100.00%
	Less R	temaining Fee (as of 11/20/2015)	\$ 2,196,498	_
		Total WA #16	6 - SWA02 Fee	\$ 11,884,332	

Attachment B SWA 02 Fee - Expense Summary

DB Expenses

Monthly Amount

Expenses - includes mileage, travel, leased vehicles, vehicle supplies, field / safety equipment, cell phones, cameras, network/technology, internet service, phone service, desk phones, wiring, computers, e-builder licenses, earth cam, miscellaneous supplies, vendors, and other expenses for field office

\$28,810

MoPac Improvement Project SW02 Labor

MoPac Improvement Project SWA 02

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Oversight Staff																									Hourly	Overhea	ad			Hourly		Vehicle
Oversight Staff	Total	representative	firm		2015						2010	6						2017	7					Total Hours	Rate	Rate		rofit Mu	ultiplier	Rate	TOTAL \$	Months
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Project Management Oversight	Hours			TIIS WK	sepi ocij	HOV C	Jec jan	i iebi	IIIai	арт п	ayı juni	juij	aug sep	UCI	ilovi u	Jan	i iebi	IIIai a	n may	juii	jui au	igi sepi	oct nov dec									
GEC Program Director	2513	Heather Reavey	HNTB	30.0		1	150 120	120	150	120 12	20 150	120	120 150	120	120 15	50 120	120	150 12	0 120	75	30 3	30 38		2513	\$110.00		1.41	0.12	2.70	\$297.48	\$747,412	
Project Manager		Paul Petrich	HNTB	40.0		2	200 160		200				160 200		160 20	00 160			0 160			10 50		3350	\$119.48		0.96	0.12	2.19	\$262.12	\$878,108	
Deputy Project Manager		lan Fraser	HNTB	40.0		2	200 160	160	200	160 16	60 200	160	160 200	160	160 20	00 160		200 16	0 160	100	40 4	10 50		3350	\$80.18		1.41	0.12	2.70	\$216.81	\$726,323	
Technical Advisors	84	Carlos Lopez	HNTB	1.0			5 4	4	5		4 5	4	4 5	4	4	5 4	4	5	4 4	3	1	1 1		84	\$130.73		1.41	0.12	2.70	\$353.52	\$29,607	
Project Administrator (subconsultant invoice/budget)		Caroline Kibler	HNTB	16.0			80 64	64	80	64 6	64 80	64	64 80	64	64 8	80 64	64	80 6	4 64	40	16 1	16 20		1340	\$30.74		1.41	0.12	2.70	\$83.12	\$111,375	
Claims Review and DRB Support								Hearing-42"	"WL Hear	ing-Rock	He	earing-Utilities																				
		Charles Woodruff, Karim Eldomiaty, Claudio Dallavalle, Brad	d																													
Sr. Technical Advisors/SME's	2400	Amhart, Jim Peterson, Nathan	u l																													
		Minear, Mark Ramsey,	HNTB			2	300	300	300	300 30	300	300												2400	\$156.64		1.41	0.12	2.70	\$423.60	\$1,016,637	
Scheduler	240	Tim Burns	Keville				40 20	000	40	40	40	20												240	\$53.69		1.41	0.12	2.70	\$145.20	\$34,848	
Utility Manager		Gordon Anderson	Anderson				40 40				80	40												240	-				2.70	\$213.00	\$51,120	
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Tolls Facilities Tolls Facilities Manager	1576	Steve DeBella	HNTB				64 120	80	80	80 9	80 64	64	64 64	64	64 6	64 64		120 12	0 120	40	40			1576	\$68.72		1.41	0.12	2.70	\$185.84	\$292,883	
System Testing		Stella Joseph	HNTB			\rightarrow	45 120		80	80 8	80 64	40	40 40		40 4	40 40	120	120 12	0 40	40		+1		1205	\$103.33		1.41	0.12	2.70	\$185.84 \$279.43	\$292,883 \$336,711	1
Sr. Advisor / Project Director		Cheryl Bolin	HNTB				10 90		55	10 1	5 10	10	10 10		65 3	35 70	80		0 135	10		10		1205	\$84.71		1.41	0.12	2.70	\$279.43	\$274,882	1
Sr. Advisor / Project Director		Mark Hoffa	HNTB				10 105	100	35	35 2	20 10	10	10 10		10	10 70				10		0		1085	\$96.57		1.41	0.12	2.70	\$261.16	\$283,354	
Sr. Mechanical / Electrical Inspector		Fabian Kalapach	HNTB	16.0			100	.=-											4 64	80				384	\$59.74		1.41	0.12	2.70	\$161.55	\$62,036	
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Project Controls																																
Project Controls Coordinator	3423	Steven McCoy	HNTB	42.0		2	210 168	168	210	168 16	8 210	168	168 210	168	168 2 ⁻	10 168	168	210 16	8 168	105	42			3423	\$50.51		0.96	0.12	2.19	\$110.81	\$379,317	
Doc Control Specialist/Office Manager	3260	Kim Steele	KFriese	40.0		2	200 160	160	200	160 16	50 200	160	160 200	160	160 20	00 160	160	200 16	0 160	100	40			3260	\$29.87		1.33	0.12	2.60	\$77.79	\$253,611	
Scheduler	348	Tim Burns	Keville	4.0			20 16	16	20	16 1	16 20	16	16 20	16	16	20 16	16	20 1	6 16	20				348	\$53.69		1.15	0.12	2.41	\$129.33	\$45,007	
Railroad Coordinator	52	Tom Olechowski	HNTB	4.0			20 16	16																52	\$84.79		1.41	0.12	2.70	\$229.29	\$11,923	
Utility Coordination		Gordon Anderson	Anderson	4.0			20 16	16																52						\$213.00	\$11,076	
LGPP / Compliance Coordinator/Reimburse	348	Ragan Riggs	HNTB	4.0			20 16	16	20	16 1	16 20	16	16 20	16	16 2	20 16	16	20 1	6 16	20	16			348	\$41.94		1.41	0.12	2.70	\$113.42	\$39,470	
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Public Involvement Public Involvement Manager	600	Jessica Salazar	HNTB	8.0			40 32	20	40	22 1	32 40	32	32 40	20	32	40 00		40 3	2 22	40				696	\$22.00		1.41	0.12	0.70	\$59.50	\$41,409	
Public Involvement Manager Public Involvement / Graphic Support		Luke Urie, Jay Le Chien	HNTB	8.0		_	40 32		40	32 5	32 40	32	32 40		32 4	40 32	32		2 32	40		+		696	\$22.00 \$33.25		1.41	0.12	2.70 2.70	\$59.50 \$89.91	\$41,409 \$62,579	1
BlueToad / INRIX/ Analysis		Jason JonMichael, Will Smithson		3.0			15 12		15		12 15	12	12 15		12	15 12	12		2 32	15		+		261	\$33.25 \$82.65		1.41	0.12	2.70	\$223.50	\$62,579 \$58,333	1
Public Involvement Advisors		Lynda Rife	Rifeline	4.0			20 16	- '-	20	16 1	6 20	16	16 20		16	20 16		20 1	6 16	20				348	ψ02.03			0.12	2.70	\$187.56	\$65,271	
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Construction Oversight																																
Construction Manager	4350	Gilbert Sylva	G Sylva	50.0		2	250 200	200	250	200 20	00 250	200	200 250	200	200 25	50 200	200	250 20	0 200	250	100 5	50 50		4350						\$206.00	\$896,100	21
Resident Engineer		Rob Krupa	HNTB	50.0		2	250 200		250				200 250		200 25	50 200		250 20	0 200	250		50 50		4350	\$52.49		0.96	0.12	2.19	\$115.15	\$500,915	21
Materials Manager		Kim Loveridge	HNTB	50.0		2	250 200			200 20			200 250		200 25			250 20	0 200			50 50		4350	\$45.07		0.96	0.12	2.19	\$98.88	\$430,142	21
Sr. Field Rep	4250	Tyler Newgren	HNTB	50.0		2	250 200	200		200 20	00 250	200	200 250	200	200 25		200	250 20		250	100	\bot		4250	\$44.08		0.96	0.12	2.19	\$96.71	\$411,034	20
Sr. Field Rep	4250	Daniel Cantu	HNTB	50.0		2	250 200	200			00 250		200 250	200	200 25		200	250 20	0 200	250		\perp		4250	\$44.00		0.96	0.12	2.19	\$96.53	\$410,266	20
Sr. Field Rep		Kenneth Porter	HNTB	50.0		2	250 200						200 250		200 25		200	250 20						3900	\$41.61		0.96	0.12	2.19	\$91.29	\$356,034	18
Sr. Field Rep		Vince Menchada	HNTB	50.0		2	250 200				00 250		200 250		200 25	50 200	200					\perp		3900	\$40.29		0.96	0.12	2.19	\$88.40	\$344,754	18
Sr. Field Rep		Tommy Bockholt	HNTB	50.0	 	2	250 200				00 250		200 250		200 25	50 200	200		0 200	-+	_	+		3900	\$39.14		0.96	0.12	2.19	\$85.87	\$334,883	
Field Technical Specialist III		Clarkson Reid	HNTB	50.0		2	250 200						200 250		200 25					-	_	+		3900	\$36.09		0.96	0.12	2.19	\$79.18	\$308,798	
Inspector II		Armando Castillo	HNTB	50.0		2	250 200				00 250			200	200 25	50 200		250 20				+		3900	\$26.86		1.41	0.12	2.70	\$72.64	\$283,305	
Inspector I		Randy McSpadden	K Friese	50.0		2	250 200		250			200			200 25							+		3900	\$33.73		2.60	0.12	4.04	\$136.18	\$531,092	18
Inspector I		Tim Murillo Piola Toporio	K Friese	50.0 50.0		2	250 200		250			200			200 25				0 200			+1		3900	\$36.05		2.60	0.12	4.04 4.04	\$145.53 \$122.47	\$567,579	18 17
Inspector I		Ricky Tenorio	K Friese K Friese	50.0		2	250 200 250 200				00 250 00 250	200	200 250 200 250	200	200 25	50 200 50 200		250 20				+		3700 3700	\$33.06 \$33.37		2.60	0.12	4.04	\$133.47 \$134.72	\$493,856 \$498,472	
Inspector I		Daniel McIntyre Kevin Kuhl, Kris Keith, Mark		50.0	 	2	250 200	200	∠50	200 20	JU 250	200	250	200	200 25	200	200	250 20	4	-+		+		3/00	\$33.37	 	2.00	0.12	4.04	\$134./2	φ498,472	1/
Post RFC Support		Cissell, Mark Mathews, Charlotte	HNTB,																													
		Gilpin	K Friese	16.0			80 64	64	80	64 6	80	64	64 80	64	64 8	80 64	64	80 6	4 64	80	32			1360	\$65.97		1.41	0.12	2.70	\$178.40	\$242,620	
Materials Testing Technician (field)	3900		REL	50.0		2	250 200	200	250	200 20	00 250	200	200 250	200	200 25	50 200	200	250 20	0 200					3900					1	\$65.06	\$253,726	18
Materials Testing Technician (field)	3900		REL	50.0		2	250 200						200 250		200 25									3900						\$139.87	\$545,495	18
				20.0			100 80				100		80 100		80 10			100 8								1			_			
Materials Testing Technician (lab)	1560		REL	20.0			100 80	00			100	80	00 100	00	00 10	00 00	00	100	0 80					1560						\$58.56	\$91,351	3
Materials Testing Technician (lab) Materials Engineer	1560 624		REL	8.0 4.0		1	40 32 20 16	32		32 3	32 40	32	32 40	32		40 32	32		0 80 2 32 6 16					1560 624						\$58.56 \$195.35	\$91,351 \$121,900	3

Totals 96,356 Totals \$13,475,830 3