

SUPPLEMENTAL WORK AUTHORIZATION NO. 7
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:
CHANDLER ROAD EXTENSION (CORRIDOR B3)
CORRIDOR PLANNING STUDIES

This Supplemental Work Authorization No. 7 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated June 4, 2019 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Huitt-Zollars, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective July 8, 2019 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B-1" (must be attached).
- II. The maximum amount payable for services under the Work Authorization is hereby increased from \$688,827.00 to \$1,078,753.72, reflecting an increase of \$389,926.72. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).
- III. The Work Authorization shall terminate on April 30, 2025. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

ATTACHMENT B-1
SUPPLEMENTAL SERVICES TO BE PROVIDED BY THE
ENGINEER
PRELIMINARY ENGINEERING FOR CHANDLER ROAD

PROJECT DESCRIPTION

This supplemental work authorization (SWA) amends and revises the original work authorization (WA) Chandler Road Extension (Corridor B3) project. SWA07 to WA01 includes the following (please note, all work through SWA04 was near completion when work was stopped by the County on 9/28/22):

- Revising plan view schematic alignments to match new typical section, in addition to revising the southern end of the alignment to tie into U.S. 79 such that it is in line with existing FM 619 at the Union Pacific railroad tracks. A summary of the changes is noted below:
 - Reduce ROW width from 350' to 227'.
 - Reduce inside shoulders of main lanes from 2-8' shoulders to 2-6' shoulders.
 - Move all frontage roads from being 67' from the outside shoulder of the main lanes to 6' from the outside shoulder of the main lanes.
 - Revise all proposed direct connectors, entrance, and exit ramps to/from main lanes and frontage roads.
 - Add a 10' shared-use path (SUP) on both sides of the controlled access facility (no SUP was included in the original typical section).
 - Revise the southern end of the alignment to tie into U.S. 79 such that it is in line with existing FM 619 at the Union Pacific railroad tracks.
 - Revise existing FM 619 alignment north of U.S. 79 to tie perpendicularly into new Chandler Road alignment.
- Revising conceptual schematic profiles. Below is a summary of the changes:
 - Where alignment remains unchanged, review profiles of main lanes to verify no adjustments needed for reduced inside shoulder widths.
 - Where southern end of alignment is revised to tie into U.S. 79 at FM 619 as described previously, revise profiles accordingly.
 - Produce preliminary profile of new FM 619 alignment north of U.S. 79 as described previously.
 - Revise all frontage road profiles for new locations closer to the main lanes.
 - Revise all direct connector, entrance, and exit ramp profiles.
- Revising cross-sections. A summary of the changes is noted below:
 - Revise all cross-section templates based on new typical section, horizontal geometry, and vertical geometry.
 - Revise all corridor models.
 - Produce updated cross-sections.
- Note, this scope presumes the following:

- The project will follow the same greenfield alignment as shown on the previously agreed upon schematic, dated 5/27/21, with the exception that the southern end of the alignment is to tie into U.S. 79 such that it is in line with existing FM 619 at the Union Pacific railroad tracks.
- The project will tie into existing S.H. 95 as shown on the previously agreed upon schematic, dated 5/27/21.
- The profile of the 10' SUP's is to follow the profile of the adjacent frontage road. No separate profiles of the SUP's will be required.

The additional work resulting from these modifications are outlined below.

1. PROJECT MANAGEMENT

The project management scope of work and associated fees have been modified based on the following:

a. COMMUNICATION

- No additional work under this SWA.

b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS

- Prepare correspondence, invoices, and progress reports on a monthly basis.

c. QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PLAN

- No additional work under this SWA.

d. PROJECT COORDINATION & ADMINISTRATION

- Prepare and maintain routine project record keeping.

e. PROGRESS/COORDINATION MEETINGS

- Prepare for and conduct project team biweekly coordination/progress meetings.
- Prepare agenda, sign-in sheets, meeting minutes

f. PROJECT SCHEDULE

- Update schedule and list of deliverables indicating tasks, subtasks, critical dates, milestones, and deliverables.

DELIVERABLES:

- Monthly Invoices and Progress Reports
- Schedule and List of Deliverables Updates

2. ROUTE AND DESIGN STUDIES

a. DATA COLLECTION

- No additional work under this SWA.

- b. STUDY AREA MAP
 - No additional work under this SWA.
- c. STAKEHOLDER COORDINATION (**assumes 15 meetings**)
 - No additional work under this SWA.
- d. CONSTRAINTS MAP
 - No additional work under this SWA.
- e. DESIGN CRITERIA
 - No additional work under this SWA.
- f. ROUTE LOCATION STUDIES
 - No additional work under this SWA.
- g. PRELIMINARY COST ESTIMATES
 - Revise cost estimate accordingly.
- h. PRELIMINARY RIGHT-OF-WAY REQUIREMENT
 - No additional work under this SWA.
- i. CONCEPTUAL DESIGN ALIGNMENT
 - Revising plan view schematic alignments to match new typical section, in addition to revising the southern end of the alignment to tie into U.S. 79 such that it is in line with existing FM 619 at the Union Pacific railroad tracks. A summary of the changes is noted below:
 - Reduce ROW width from 350' to 227'.
 - Reduce inside shoulders of main lanes from 2-8' shoulders to 2-6' shoulders.
 - Move all frontage roads from being 67' from the outside shoulder of the main lanes to 6' from the outside shoulder of the main lanes.
 - Revise all proposed direct connectors, entrance, and exit ramps to/from main lanes and frontage roads.
 - Add a 10' shared-use path (SUP) on both sides of the controlled access facility (no SUP was included in the original typical section).
 - Revise the southern end of the alignment to tie into U.S. 79 such that it is in line with existing FM 619 at the Union Pacific railroad tracks.
- j. CONCEPTUAL DESIGN PROFILES
 - Revising conceptual schematic profiles. Below is a summary of the changes:
 - Where alignment remains unchanged, review profiles of main lanes to verify no adjustments needed for reduced inside shoulder widths.
 - Where southern end of alignment is revised to tie into U.S. 79 at FM 619 as described previously, revise profiles accordingly.

- Revise all frontage road profiles for new locations closer to the main lanes.
- Revise all direct connector, entrance, and exit ramp profiles.

k. CONCEPTUAL DESIGN CROSS-SECTIONS

- Revise cross-sections. A summary of the changes is noted below:
 - Revise all cross-section templates based on new typical section, horizontal geometry, and vertical geometry.
 - Revise all corridor models.
 - Produce updated cross-sections.

DELIVERABLES:

- Revised Draft Plan and Profile Roll Plots
- Revised Draft Preliminary Cost Estimate
- Revised Draft Drainage Memorandum
- *Final Plan and Profile Roll Plots (per previous supplemental)*
- *Final Preliminary Cost Estimate (per previous supplemental)*
- *Final Drainage Memorandum (per previous supplemental)*

3. PUBLIC INVOLVEMENT

Public involvement activities will be conducted through the County’s existing public involvement consultant. Huitt-Zollars will coordinate and provide support for the following activities with the County’s GEC.

a. PUBLIC INVOLVEMENT PLAN

- Coordinate/review Corridor specific updates

b. STAKEHOLDER OUTREACH AND MEETINGS

- Update ROW/Property Owner/Parcel Exhibits (up to 46 total).
- Attend meetings to answer questions and give general project considerations. (Assume up to two rounds of outreach to up to five key stakeholders, 10 meetings total.)
- Document meetings

c. PUBLIC MEETING/OPEN HOUSE (one public meeting assumed)

- Attend pre-meeting preparation with GEC
- Assist/support GEC in preparing technical/engineering related exhibit materials.
- Provide staff to attend and support County and GEC at public/open house meeting to solicit input and answer questions from the public.
- Prepare public meeting summary and responses to any comments or questions provided.

DELIVERABLES:

- Technical/Engineering Exhibits for Public Meeting in Support of County/GEC lead
- Public Meeting Summary and comment responses

4. SURVEYING AND ROW MAPPING
No work under this SWA.
5. SCHEMATIC DEVELOPMENT
No work under this SWA.
6. DRAINAGE STUDY
No work under this SWA.
7. ENVIRONMENTAL SERVICES
No work under this SWA.
8. GEOTECHNICAL SERVICES
No work under this SWA.
9. PLAN PREPARATION
No work under this SWA.
10. PERMITTING SERVICES
No work under this SWA.
11. BIDDING PHASE SERVICES
No work under this SWA.

ATTACHMENT C - WILLIAMSON COUNTY CHANDLER ROAD EXTENSION (CORRIDOR B3) WORK SCHEDULE

ID	Task Name	Duration	Start	Finish	2019				2020				2021				2022				2023				2024				2025	
					Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
1	Williamson County Chandler Road Extension (Corridor B3)	1497 days	Wed 5/29/19	Thu 2/20/25																										
2	Commission Approves Professional Service Agreement	0 days	Wed 5/29/19	Wed 5/29/19																										
3	Prepare Corridor Study Work Authorization 01	20 days	Wed 5/29/19	Tue 6/25/19																										
4	WA01 Notice to Proceed	0 days	Thu 7/18/19	Thu 7/18/19																										
5	Project Kick-off Meeting	0 days	Tue 7/23/19	Tue 7/23/19																										
6	1. Project Management	487 days	Thu 7/18/19	Fri 5/28/21																										
7	c. QA/QC Plan	16 days	Thu 7/18/19	Thu 8/8/19																										
8	Prepare Draft	9 days	Thu 7/18/19	Tue 7/30/19																										
9	GEC Review	4 days	Wed 7/31/19	Mon 8/5/19																										
10	Respond to Comments & Finalize	3 days	Tue 8/6/19	Thu 8/8/19																										
11	d. Project Coordination & Administration	450 days	Tue 7/23/19	Fri 5/28/21																										
12	e. Progress/Coordination Meetings	370 days	Tue 8/20/19	Wed 5/5/21																										
13	f. Project Schedule	25 days	Tue 7/23/19	Mon 8/26/19																										
14	2. Route & Design Studies	529 days	Tue 7/23/19	Fri 7/30/21																										
15	a. Data Collection	187 days	Tue 7/23/19	Wed 4/8/20																										
16	Environmental GIS Data	10 days	Tue 7/23/19	Mon 8/5/19																										
17	Property Owner Info	20 days	Thu 10/31/19	Wed 11/27/19																										
18	Update Property Owner Info per Modified Alternatives	25 days	Thu 3/5/20	Wed 4/8/20																										
19	Traffic Data	40 days	Tue 8/27/19	Mon 10/21/19																										
20	Traffic Memo	429 days	Tue 10/22/19	Fri 6/11/21																										
21	Prepare Draft	27 days	Tue 10/22/19	Wed 11/27/19																										
22	Obtain Additional Traffic Data for Modified Alternatives	30 days	Mon 3/22/21	Fri 4/30/21																										
23	Update per Modified Alternatives	10 days	Thu 11/26/20	Fri 5/14/21																										
24	GEC Review	10 days	Mon 5/17/21	Fri 5/28/21																										
25	Respond to Comments & Finalize	10 days	Mon 5/31/21	Fri 6/11/21																										
26	b. Study Area Map	15 days	Tue 8/6/19	Mon 8/26/19																										
27	c. Stakeholder Coordination	50 days	Thu 12/19/19	Wed 2/26/20																										
28	d. Constraints Map	30 days	Tue 8/6/19	Mon 9/16/19																										
29	Prepare Draft	15 days	Tue 8/6/19	Mon 8/26/19																										
30	GEC Review	10 days	Tue 8/27/19	Mon 9/9/19																										
31	Respond to Comments & Finalize	5 days	Tue 9/10/19	Mon 9/16/19																										
32	e. Design Criteria	32 days	Tue 8/27/19	Wed 10/9/19																										
33	Prepare DSR (w/ typical sections)	17 days	Tue 8/27/19	Wed 9/18/19																										
34	GEC Review	10 days	Thu 9/19/19	Wed 10/2/19																										
35	Respond to Comments & Finalize	5 days	Thu 10/3/19	Wed 10/9/19																										
36	f. Route Location Studies	487 days	Thu 9/19/19	Fri 7/30/21																										

Project: Wilco Chandler Rd Ext Date: Fri 3/29/24	Task		Inactive Task		Manual Summary Rollup		External Milestone		Manual Progress	
	Split		Inactive Milestone		Manual Summary		Deadline			
	Milestone		Inactive Summary		Start-only		Critical			
	Summary		Manual Task		Finish-only		Critical Split			
	Project Summary		Duration-only		External Tasks		Progress			

ATTACHMENT D

FEE SCHEDULE

Prime: HUITT-ZOLLARS

Project: Williamson County Chandler Road Extension (Corridor B3)

Reduced ROW / Revised Typical Section / Revised Tie-In to U.S. 79

Prime: HUITT-ZOLLARS	Qty	Principal In-Charge	QA Manager	Sr. Project Manager	Project Manager	Sr. Civil Engineer	Civil Engineer	Sr. Structural Engineer	Structural Engineer	EIT	Sr. Designer	Designer	Sr. CAD Technician	CAD Technician	Sr Project Support	Project Support	Total Hours	Total Labor Cost
1. Project Management																		
a. Communication																	0	\$0.00
b. Monthly Progress Reports, Invoices & Billings																	0	\$0.00
Prepare WA01 Subconsultant Agreements																	0	\$0.00
Prepare monthly invoices and progress reports (assume 1.5 hrs/mo for 9 addtl mos)				13.5											9		22.5	\$5,092.56
c. QA/QC Plan																	0	\$0.00
Prepare QA/QC plan																	0	\$0.00
d. Project Coordination & Administration																	0	\$0.00
Prepare & maintain routine project record keeping (9 addtl mos)				9		9									9		27	\$5,959.35
Manage project - Prepare Subconsultant Agreements																	0	\$0.00
Support County Coordination w/ City of Taylor				8		8											16	\$4,382.24
Coordinate w/ UPRR																	0	\$0.00
Support County Coordination w/ TxDOT AUS re US 79 Interchange																	0	\$0.00
Initiate, Coordinate, and Manage Survey Design Studies / Services																	0	\$0.00
e. Progress/Coordination Meetings																	0	\$0.00
Attend coordination/progress meeting (team biweekly mtgs for 9 months)(18 meetings)				18		18				18							54	\$12,460.50
Prepare agenda, sign-in sheets, meeting minutes (team biweekly mtgs for 9 months)(18 meetings)				36												18	54	\$12,352.14
f. Project Schedule																	0	\$0.00
Develop project schedule																	9	\$2,708.82
Monthly schedule update (assume 1 hr/mo for 9 addtl mos)				9													9	\$2,708.82
Labor Hours - Subtotal	0	0	0	93.5	0	35	0	0	0	18	0	0	0	0	18	18	182.5	\$42,955.61
Labor Hour Cost		\$313.01	\$246.80	\$300.98	\$240.78	\$246.80	\$198.64	\$258.84	\$198.64	\$144.47	\$162.53	\$144.47	\$156.51	\$108.35	\$114.37	\$84.27		
Subtotal		\$0.00	\$0.00	\$28,141.63	\$0.00	\$8,638.00	\$0.00	\$0.00	\$0.00	\$2,600.46	\$0.00	\$0.00	\$0.00	\$0.00	\$2,058.66	\$1,516.86		\$42,955.61
2. Route & Design Studies - Reduce ROW / Revised Typical Section																		
a. Revise Plan View Schematic Alignments for Reduced ROW (225' ROW) and Revised Tie-In to U.S. 79																		
1. Reduce inside shoulders of main lanes from 2-8' shoulders to 2-6' shoulders.			1	4		8					16						29	\$6,025.60
2. Move all frontage roads from being 67' from the outside shoulder of the main lanes to 6' from the outside shoulder of the main lanes.			1	8		30					60						99	\$19,810.44
3. Revise all proposed direct connectors, entrance, and exit ramps to/from main lanes and frontage roads.			1	8		25					50						84	\$16,951.14
4. Add a 10' shared-use path (SUP) on both sides of the controlled access facility (no SUP was included in the original typical section).			1	2		8					16						27	\$5,423.64
5. Revise plan view schematic for revised tie-in to U.S. 79 / create exhibit for County coordination with TxDOT			2	20		32					40						94	\$20,912.00
b. Submit Revised Plan View Schematic to County & Address County Review Comments (up to two occurrences) ¹				24		30					60						114	\$24,379.32
c. Revise Conceptual Schematic Profile & Cross-Sections for Reduced ROW (225' ROW)																		
1a. Generate baseline alignments for E-W main lanes with stationing (covered under SWA04)																	0	\$0.00
1b. Revise baseline alignments for N-S main lanes for new tie-in to U.S. 79			0.5	1		1					4						6.5	\$1,321.30
1c. Revise baseline alignments for E-W and N-S frontage roads			1	1		2					16						20	\$3,641.86
2a. Generate existing ground profiles for E-W main lanes (covered under SWA04)																	0	\$0.00
2b. Revise existing ground profiles for N-S main lanes for new tie-in to U.S. 79			0.5	1		1					4						6.5	\$1,321.30
2c. Revise existing ground profile for E-W and N-S frontage roads			1	1		2					16						20	\$3,641.86
3a. Design profiles of proposed E-W main lanes (covered under SWA04)																	0	\$0.00
3b. Revise profiles of proposed N-S main lanes for new tie-in to U.S. 79			0.5	2		12					12						26.5	\$5,637.32
3c. Revise profiles of proposed E-W and N-S frontage roads			2	4		80					80						166	\$34,443.92
3d. Revise profiles of entrance and exit ramps (new frontage road locations) - verify horizontal limits			2	2		20					40						64	\$12,532.76
3e. Produce preliminary profile of new FM 619 alignment north of U.S. 79 to tie perpendicularly into new Chandler Road alignment			1	2		12					24						39	\$7,711.08
4a. Revise cross-section templates and corridor models			2	4		80					80						166	\$34,443.92
4b. Analyze revised cross-sections, determine grading limits, adjust ROW width as necessary (covered under SWA04)																	0	\$0.00
5. Revise Drainage Analysis for ROW Verification Using Current Drainage Criteria (ditches, drains, detention)/Drainage memo			2	4		72					72						150	\$31,169.28
6. Adjust profile and cross-sections to minimize ROW width where necessary/possible (covered under SWA04)																	0	\$0.00
7a. Revise conceptual plan and profile roll plots for main lanes (H: 1"=100', V: 1"=10')			2	4		16					32						54	\$10,847.28
7b. Revise conceptual plan and profile roll plots for frontage roads and direct connectors (H: 1"=100', V: 1"=10')			2	4		16					32						54	\$10,847.28
8. Revise Engineers Estimate of Construction Cost			2	4		20					20						46	\$9,884.12
d. Submit to County & Address County Review Comments (up to one occurrence) ¹ (covered under SWA04)																	0	\$0.00
Labor Hours - Subtotal	0	0	24.5	100	0	467	0	0	0	0	674	0	0	0	0	0	1265.5	\$260,945.42
Labor Hour Cost		\$313.01	\$246.80	\$300.98	\$240.78	\$246.80	\$198.64	\$258.84	\$198.64	\$144.47	\$162.53	\$144.47	\$156.51	\$108.35	\$114.37	\$84.27		
Subtotal		\$0.00	\$6,046.60	\$30,098.00	\$0.00	\$115,255.60	\$0.00	\$0.00	\$0.00	\$0.00	\$109,545.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$260,945.42
3. Public Involvement																		
a. Public Involvement Plan (PIP)																		
Coordinate/review Corridor specific updates (PIP by County, assume prep and 1 mtg w PI consultant & GEC)				2		2					3						7	\$1,583.15
b. Stakeholder Outreach & Meetings																	0	\$0.00
Identify & contact key stakeholders to set up 1-on-1 meetings (by GEC)																	0	\$0.00
Update ROW /Property Owner/ Parcel Exhibits (46 total)				50		50					100						200	\$43,642.00
Attend meetings (assume up to 2 rounds; up to 5 key SH) (material prep, 10 mtgs total)				40		20											60	\$16,975.20
Document meetings				20													30	\$6,862.30
c. Public Meeting/Open House																	0	\$0.00
Attend pre-meeting preparation with GEC (assume 1 mtg, material prep)				4		6											10	\$2,684.72
Prepare handout materials, presentation & exhibits (assist/support GEC lead)				4		4					12						32	\$5,152.72
Conduct and facilitate meeting(s) (by GEC)																	0	\$0.00
Assist in coordinating meeting logistics (by GEC)																	0	\$0.00
Provide staff to attend public meeting (by GEC)				4		4											8	\$2,191.12
Prepare meeting summary & responses (review GEC drafts, address comments, finalize)				12		8											36	\$6,934.48
Labor Hours - Subtotal	0	0	0	136	0	94	0	0	0	0	115	0	0	0	0	38	383	\$86,025.69
Labor Hour Cost		\$313.01	\$246.80	\$300.98	\$240.78	\$246.80	\$198.64	\$258.84	\$198.64	\$144.47	\$162.53	\$144.47	\$156.51	\$108.35	\$114.37	\$84.27		
Subtotal		\$0.00	\$0.00	\$40,933.28	\$0.00	\$23,199.20	\$0.00	\$0.00	\$0.00	\$0.00	\$18,690.95	\$0.00	\$0.00	\$0.00	\$0.00	\$3,202.26		\$86,025.69
Grand Total																		\$389,926.72

Project: Williamson County Chandler Road Extension (Corridor B3)

Reduced ROW / Revised Typical Section / Revised Tie-In to U.S. 79

Prime: HUITT-ZOLLARS	Qty	Principal In-Charge	QA Manager	Sr. Project Manager	Project Manager	Sr. Civil Engineer	Civil Engineer	Sr. Structural Engineer	Structural Engineer	EIT	Sr. Designer	Designer	Sr. CAD Technician	CAD Technician	Sr Project Support	Project Support	Total Hours	Total Labor Cost
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- Notes:
- (1) Presumes minor comments by the County, no major changes, and only up to the hours stated. (up to one occurrence). The County will not be billed for plan revisions resulting from engineering errors or omissions.
 - (2) Fee schedule does not include profiling of SH 95 improvements.
 - (3) Fee schedule presumes the project will follow the same greenfield alignment and will tie into existing S.H. 95 as shown on the previously agreed upon schematic, dated 5/27/21.
 - (4) Fee schedule presumes the profile of the 10' SUP's is to follow the profile of the adjacent frontage road. No separate profiles of the SUP's will be required.