



**SUPPLEMENTAL WORK AUTHORIZATION NO. 1  
TO  
WORK AUTHORIZATION NO. 2**

**WILLIAMSON COUNTY ROAD BOND PROJECT:**

TH 35 Frontage Road Conversions  
(Bud Stockert Loop to FM 972)

This Supplemental Work Authorization No. 1 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated October 10, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Binkley & Barfield, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective December 8, 2015 (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:

- II. 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" (must be attached).
- III. The Work Authorization shall terminate on December 31, 2019. 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).
- IV. The maximum amount payable for this Work Authorization is increased from \$1,400,478 to \$1,739,752.

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.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: BDR  
Signature

Brian Rice  
Printed Name

Vice President  
Title

9/11/17  
Date

COUNTY:

By: [Signature]  
Signature

DAR A GATTI  
Printed Name

County Judge  
Title

09-22-2017  
Date

[Signature]  
9/12/2017

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

## Attachment B - Services to be provided by Engineer

The general tasks below, not in the original scope of work, are proposed to be added to this WA:

- **Prior Modifications:**

- Additional ramps preliminary design: We were asked to design two additional ramps south of Bud Stockton (SB entrance ramp and NB exit ramp) that were not part of the original schematic during the preliminary design phases. TxDOT requested later for the ramps to be removed from the Schematic and PS&E (*added Jan 2016 / removed May 2016*).
- Ramp spacing modifications to address FHWA's comments: The initial scope was developed per the 2005 conceptual schematic provided by TxDOT. The initial ramp spacing was based on the 2005 schematic and design development followed the minimum RDM requirements for 3-lanes on IH-35. After the initial layout TxDOT requested the new ramps to be laid out based on Ultimate Gore locations; a 60 MPH design speed for the ramps; no auxiliary lanes between ramp connections; 2,000 ft. spacing between ramps; a future 5-lane interstate section with an additional outside auxiliary lane; and a planned widening for future C-D roads was also evaluated and accommodated for in the current design (*March 2016*).
- Ramp RSX1 relocation: The RSX1 ramp was designed in accordance with the 2005 schematic location. It was later relocated further north (400 ft.) to accommodate a TxDOT request in response to public comments and two additional driveways were added to the schematic and PS&E after the March 2016 submittal (*Aug 2016*).

### 1. Assessment & Evaluation for Design Exceptions / Waivers / Variances

- **New Tasks:**

- Alternative analyses at Bud Stockton and at CR 143 to provide auxiliary lanes between entrance and exit ramps at Bud Stockton and at CR 143. TxDOT requested that several alternatives be developed at these two locations including cost estimates and safety analyses in response to TxDOT's request to decide whether an auxiliary lane could be added between ramps.
- NB and SB Frontage Road profiles: A best-fit analysis will be conducted to review the existing vertical curve profiles based on a 40 MPH design speed and to ascertain whether they meet current TxDOT design standards.
- Mainlane best-fit or as-built existing profile analysis against the existing TxDOT RDM criteria for the full length of the project and adjacent to ramp connections and new auxiliary lanes. TxDOT has requested the existing profiles to be added to the schematic in areas outside the limits of the ramp tie-ins.

- NB and SB Frontage Road Cross-Slope Analysis: The analysis will review the existing and proposed frontage road cross-slopes outside the limits of the ramp tie-in locations.

## 2. Design Exception and Waivers Development

- The Engineer shall prepare a Request for each Design Exception and Waiver identified.
  - Auxiliary lanes at the CR 143 Bridge: The addition of a NB and SB auxiliary lane at the bridge, accomplished by widening I-35 pavement and restriping to narrow the existing inside shoulder. This work will include construction of a vehicle deflection wall at the outside pier columns of the bridge. A TxDOT standard to will be used for the design of the deflection wall. Per TxDOT, the following section will be used: 4' inside shoulders (2' at bridge), 12' lanes & 10' outside shoulder.
  - NB and SB Frontage Road shoulders: The analysis will review the existing and present design standard shoulder widths on the frontage roads outside the limits of the ramp tie-ins. Submit design exceptions and waivers for areas along the NBFR and SBFR that do not meet 3R criteria for shoulders. No design changes will be made to the existing conditions per TxDOT.
  - NB and SB Frontage Rd. superelevations: The analysis will review the existing superelevations against the existing design standard on the frontage roads outside the limits of the ramp tie-ins. Submit design exceptions and waivers for areas along the NBFR and SBFR that do not meet 3R criteria for superelevations. No design changes will be made to the existing conditions per TxDOT.
  - Bridge Center Column at Bud Stockton: The Engineer shall prepare a Design Exception Request for the reduced inside shoulder at the existing Bud Stockton Bridge. The mainline inside shoulder will be less than required for a short distance due to the existing bridge center columns. Per TxDOT, the design will keep existing 8' inside shoulder as is.

## 3. Design Development (Schematic and Final PS&E)

- Addition of auxiliary lanes and retaining walls at Bud Stockton Loop: The design of auxiliary lanes between ramp connections including additional retaining walls, drainage improvements, roadway plans, and cross sections. The Engineer will evaluate design alternatives for retaining wall locations and drainage improvements to add the auxiliary lanes. The additional lane will be added by removing a portion of the existing rip rap and embankment by placing low retaining walls, not at the

ultimate location, to provide space sufficient for the 12' auxiliary lanes only while keeping the existing bridge in place.

- Addition of auxiliary lanes and deflection walls at CR 143: The design of auxiliary lanes between ramp connections, including new deflection walls, drainage improvements, roadway plans, and cross sections. The additional lane will be added by widening I-35 and restriping it for the reduced inside shoulder while keeping the existing bridge in place.

#### 4. Additional Tasks

- Update schematic to include new auxiliary lanes at Bud Stockton and CR 143. Includes responding to comments once from TxDOT/GEC Schematic Review and responding to comments once from TxDOT/GEC PS&E Review.
- New TxDOT schematic checklist. The latest 12-page schematic design checklist from TxDOT was received in May 2017, compared to the previous checklist, submitted in May 2016, with only 4 pages. BBI needs additional time to review, respond to, and incorporate some additional items in written text on checklist or on schematic as necessary.
- Repackage 100% submittal. The 100% submittal, submitted in April 2017, will need to be resubmitted due to the additional changes due to FHWA and TxDOT requirements required by this SWA.
- Pre-Letting Plan for delayed construction start (March 2019 letting schedule). BBI will develop a pre-letting plan, including incorporation into the PS&E documents and construction schedule. This will require update to general notes, standards, bid items, etc.

#### 5. Additional Topographic Survey:

- Perform and review additional survey north of Bud Stockton to facilitate additional auxiliary lanes per TxDOT/FHWA requirements.

#### 6. IAJR and Traffic Operation:

- Updates to IAJR to facilitate additional auxiliary lanes at Bud Stockton and CR 143 per TxDOT/FHWA requirements.
- ISATe analysis for inclusion with design exception requests.

#### 7. Drainage Design:

- Design and review of ramp design, aux lane at Bud Stockton and CR 143 to facilitate additional auxiliary lanes per TxDOT/FHWA requirements.

#### 8. Geotechnical Investigations:

- Geotechnical investigations and report to facilitate retaining walls and pavement additions at CR 143 and Bud Stockton to facilitate additional auxiliary lanes.

9. Environmental Reevaluation:

- Environmental Document Reevaluation to address geometry changes on the schematic and adding auxiliary lanes at Bud Stockton Loop.

WA 2 Exclusions:

- Scope of work does not include construction phase services for previous proposal scope of work items.
- Scope does not include any modifications to the existing bridge designs at Bud Stockton and CR 143.
- Additional design work required due to rejection of design exceptions and waivers.

**Total Fee to be added:**

Project Management:	\$ 26,246
QA/QC:	\$ 14,795
Schematic & PS&E:	\$165,600
Survey:	\$ 12,500
IAJR & Traffic Operation:	\$ 60,083
Drainage:	\$ 27,739
Geotechnical:	\$ 21,160
Environmental:	\$ 9,459
<u>Reimbursable:</u>	<u>\$ 1,693</u>
<b>Total:</b>	<b>\$339,274</b>

**Attachment C – Work Schedule**

<b><u>Milestone</u></b>	<b><u>Task Description</u></b>	<b><u>Begin Date</u></b>	<b><u>End Date</u></b>
Task 1	Project Management	9/27/17	3/31/19
Task 2	Data Collection	9/27/17	11/1/17
Task 3	Schematic and Environmental Revisions	10/19/17	5/1/18
Task 4	PS&E Design Phase Services	1/12/18	6/16/18
Task 5	Letting Phase	On TxDOT Letting Schedule for March 2019	

PRIME PROVIDER NAME: Binkley & Barfield, Inc.  
 PROJECT NAME: IH-35 Frontage Road Conversion - Bud Stockton Loop to FM 872  
 Work Authorization #2 - IH-35 Frontage Road Conversions  
 9/07/2017

IH-35 FRONTAGE ROAD CONVERSIONS		GRAND TOTAL	BBI	LJA	Alliance	CosMcLeh	Inland	Raba-Kistner	CD&P	TASK TOTAL
TASK NO.	DESCRIPTION									
I. PROJECT MANAGEMENT										
	SUBTOTAL		\$ 20,638	\$ 2,013	\$ 3,545					\$ 26,246
II. QA/QC AND PROJECT SPECIFIC DRAG PLAN										
	SUBTOTAL		\$ 8,440	\$ 6,335						\$ 14,775
III. FRC SCHEMATIC PRELIM AND ROW DESIGN (60.30 & 30.51)										
	SUBTOTAL		\$ 140,445	\$ 24,755						\$ 165,200
IV. TOPOGRAPHIC AND ROW SURVEYS										
	SUBTOTAL		\$ 1,201				\$ 11,299			\$ 12,500
V. I&R & TRAFFIC OPERATIONS										
	SUBTOTAL		\$ 8,054		\$ 52,025					\$ 60,079
VI. DRAINAGE										
	SUBTOTAL		\$ 3,084	\$ 23,855						\$ 27,239
VII. PUBLIC INVOLVEMENT										
	SUBTOTAL		\$ -							\$ -
VIII. GEOTECHNICAL										
	SUBTOTAL		\$ 855					\$ 20,205		\$ 21,060
IX. ENVIRONMENTAL										
	SUBTOTAL		\$ 1,544			\$ 7,915				\$ 9,459
X. BID PHASE SERVICES										
	SUBTOTAL		\$ -							\$ -
TOTAL LABOR FOR DESIGN SERVICES		\$337,541	\$ 165,585	\$ 56,958	\$ 55,820	\$ 7,915	\$ 11,299	\$ 20,205	\$ -	\$ 337,581
PROJECT EXPENSE ESTIMATE		\$1,653	\$ 853		\$ -	\$ 540				\$ 1,693
TOTAL PROJECT COST		\$339,274	\$ 166,438	\$ 56,958	\$ 55,820	\$ 8,755	\$ 11,299	\$ 20,205	\$ -	\$ 339,274



Attachment D - WA SJ  
FLATE SCHEDULE  
Inlay & Barrels - Prime

PRIME PROVIDER NAME: Dinsley & Barfield, Inc.  
PROJECT NAME: D-35 Frontage Road Conversion - Bud St  
North Authorization #2 - D-35 Frontage Road Conversion

[illegible]

TASK DESCRIPTION	PROG-CD	PROJ-CT	WEEKS/ MANAGER	WEEKS/ MANAGER	PROJECT MANAGER	DEVELOP MANAGER	TEST MANAGER	PRODUCTION MANAGER	IN MANAGER	LAUNCH MANAGER	TOTAL MANAGER
1. PROJECT MANAGER	1	1	1	1	1	1	1	1	1	1	1
2. PROJECT MANAGER	2	2	2	2	2	2	2	2	2	2	2
3. PROJECT MANAGER	3	3	3	3	3	3	3	3	3	3	3
4. PROJECT MANAGER	4	4	4	4	4	4	4	4	4	4	4
5. PROJECT MANAGER	5	5	5	5	5	5	5	5	5	5	5
6. PROJECT MANAGER	6	6	6	6	6	6	6	6	6	6	6
7. PROJECT MANAGER	7	7	7	7	7	7	7	7	7	7	7
8. PROJECT MANAGER	8	8	8	8	8	8	8	8	8	8	8
9. PROJECT MANAGER	9	9	9	9	9	9	9	9	9	9	9
10. PROJECT MANAGER	10	10	10	10	10	10	10	10	10	10	10
11. PROJECT MANAGER	11	11	11	11	11	11	11	11	11	11	11
12. PROJECT MANAGER	12	12	12	12	12	12	12	12	12	12	12
13. PROJECT MANAGER	13	13	13	13	13	13	13	13	13	13	13
14. PROJECT MANAGER	14	14	14	14	14	14	14	14	14	14	14
15. PROJECT MANAGER	15	15	15	15	15	15	15	15	15	15	15
16. PROJECT MANAGER	16	16	16	16	16	16	16	16	16	16	16
17. PROJECT MANAGER	17	17	17	17	17	17	17	17	17	17	17
18. PROJECT MANAGER	18	18	18	18	18	18	18	18	18	18	18
19. PROJECT MANAGER	19	19	19	19	19	19	19	19	19	19	19
20. PROJECT MANAGER	20	20	20	20	20	20	20	20	20	20	20
21. PROJECT MANAGER	21	21	21	21	21	21	21	21	21	21	21
22. PROJECT MANAGER	22	22	22	22	22	22	22	22	22	22	22
23. PROJECT MANAGER	23	23	23	23	23	23	23	23	23	23	23
24. PROJECT MANAGER	24	24	24	24	24	24	24	24	24	24	24
25. PROJECT MANAGER	25	25	25	25	25	25	25	25	25	25	25
26. PROJECT MANAGER	26	26	26	26	26	26	26	26	26	26	26
27. PROJECT MANAGER	27	27	27	27	27	27	27	27	27	27	27
28. PROJECT MANAGER	28	28	28	28	28	28	28	28	28	28	28
29. PROJECT MANAGER	29	29	29	29	29	29	29	29	29	29	29
30. PROJECT MANAGER	30	30	30	30	30	30	30	30	30	30	30
31. PROJECT MANAGER	31	31	31	31	31	31	31	31	31	31	31
32. PROJECT MANAGER	32	32	32	32	32	32	32	32	32	32	32
33. PROJECT MANAGER	33	33	33	33	33	33	33	33	33	33	33
34. PROJECT MANAGER	34	34	34	34	34	34	34	34	34	34	34
35. PROJECT MANAGER	35	35	35	35	35	35	35	35	35	35	35
36. PROJECT MANAGER	36	36	36	36	36	36	36	36	36	36	36
37. PROJECT MANAGER	37	37	37	37	37	37	37	37	37	37	37
38. PROJECT MANAGER	38	38	38	38	38	38	38	38	38	38	38
39. PROJECT MANAGER	39	39	39	39	39	39	39	39	39	39	39
40. PROJECT MANAGER	40	40	40	40	40	40	40	40	40	40	40
41. PROJECT MANAGER	41	41	41	41	41	41	41	41	41	41	41
42. PROJECT MANAGER	42	42	42	42	42	42	42	42	42	42	42
43. PROJECT MANAGER	43	43	43	43	43	43	43	43	43	43	43
44. PROJECT MANAGER	44	44	44	44	44	44	44	44	44	44	44
45. PROJECT MANAGER	45	45	45	45	45	45	45	45	45	45	45
46. PROJECT MANAGER	46	46	46	46	46	46	46	46	46	46	46
47. PROJECT MANAGER	47	47	47	47	47	47	47	47	47	47	47
48. PROJECT MANAGER	48	48	48	48	48	48	48	48	48	48	48
49. PROJECT MANAGER	49	49	49	49	49	49	49	49	49	49	49
50. PROJECT MANAGER	50	50	50	50	50	50	50	50	50	50	50
51. PROJECT MANAGER	51	51	51	51	51	51	51	51	51	51	51
52. PROJECT MANAGER	52	52	52	52	52	52	52	52	52	52	52
53. PROJECT MANAGER	53	53	53	53	53	53	53	53	53	53	53
54. PROJECT MANAGER	54	54	54	54	54	54	54	54	54	54	54
55. PROJECT MANAGER	55	55	55	55	55	55	55	55	55	55	55
56. PROJECT MANAGER	56	56	56	56	56	56	56	56	56	56	56
57. PROJECT MANAGER	57	57	57	57	57	57	57	57	57	57	57
58. PROJECT MANAGER	58	58	58	58	58	58	58	58	58	58	58
59. PROJECT MANAGER	59	59	59	59	59	59	59	59	59	59	59
60. PROJECT MANAGER	60	60	60	60	60	60	60	60	60	60	60
61. PROJECT MANAGER	61	61	61	61	61	61	61	61	61	61	61
62. PROJECT MANAGER	62	62	62	62	62	62	62	62	62	62	62
63. PROJECT MANAGER	63	63	63	63	63	63	63	63	63	63	63
64. PROJECT MANAGER	64	64	64	64	64	64	64	64	64	64	64
65. PROJECT MANAGER	65	65	65	65	65	65	65	65	65	65	65
66. PROJECT MANAGER	66	66	66	66	66	66	66	66	66	66	66
67. PROJECT MANAGER	67	67	67	67	67	67	67	67	67	67	67
68. PROJECT MANAGER	68	68	68	68	68	68	68	68	68	68	68
69. PROJECT MANAGER	69	69	69	69	69	69	69	69	69	69	69
70. PROJECT MANAGER	70	70	70	70	70	70	70	70	70	70	70
71. PROJECT MANAGER	71	71	71	71	71	71	71	71	71	71	71
72. PROJECT MANAGER	72	72	72	72	72	72	72	72	72	72	72
73. PROJECT MANAGER	73	73	73	73	73	73	73	73	73	73	73
74. PROJECT MANAGER	74	74	74	74	74	74	74	74	74	74	74
75. PROJECT MANAGER	75	75	75	75	75	75	75	75	75	75	75
76. PROJECT MANAGER	76	76	76	76	76	76	76	76	76	76	76
77. PROJECT MANAGER	77	77	77	77	77	77	77	77	77	77	77
78. PROJECT MANAGER	78	78	78	78	78	78	78	78	78	78	78
79. PROJECT MANAGER	79	79	79	79	79	79	79	79	79	79	79
80. PROJECT MANAGER	80	80	80	80	80	80	80	80	80	80	80
81. PROJECT MANAGER	81	81	81	81	81	81	81	81	81	81	81
82. PROJECT MANAGER	82	82	82	82	82	82	82	82	82	82	82
83. PROJECT MANAGER	83	83	83	83	83	83	83	83	83	83	83
84. PROJECT MANAGER	84	84	84	84	84	84	84	84	84	84	84
85. PROJECT MANAGER	85	85	85	85	85	85	85	85	85	85	85
86. PROJECT MANAGER	86	86	86	86	86	86	86	86	86	86	86
87. PROJECT MANAGER	87	87	87	87	87	87	87	87	87	87	87
88. PROJECT MANAGER	88	88	88	88	88	88	88	88	88	88	88
89. PROJECT MANAGER	89	89	89	89	89	89	89	89	89	89	89
90. PROJECT MANAGER	90	90	90	90	90	90	90	90	90	90	90
91. PROJECT MANAGER	91	91	91	91	91	91	91	91	91	91	91
92. PROJECT MANAGER	92	92	92	92	92	92	92	92	92	92	92
93. PROJECT MANAGER	93	93	93	93	93	93	93	93	93	93	93
94. PROJECT MANAGER	94	94	94	94	94	94	94	94	94	94	94
95. PROJECT MANAGER	95	95	95	95	95	95	95	95	95	95	95
96. PROJECT MANAGER	96	96	96	96	96	96	96	96	96	96	96
97. PROJECT MANAGER	97	97	97	97	97	97	97	97	97	97	97
98. PROJECT MANAGER	98	98	98	98	98	98	98	98	98	98	98
99. PROJECT MANAGER	99	99	99	99	99	99	99	99	99	99	99
100. PROJECT MANAGER	100	100	100	100	100	100	100	100	100	100	100
101. PROJECT MANAGER	101	101	101	101	101	101	101	101	101	101	101
102. PROJECT MANAGER	102	102	102	102	102	102	102	102	102	102	102
103. PROJECT MANAGER	103	103	103	103	103	103	103	103	103	103	103
104. PROJECT MANAGER	104	104	104	104	104	104	104	104	104	104	104
105. PROJECT MANAGER	105	105	105	105	105	105	105	105	105	105	105
106. PROJECT MANAGER	106	106	106	106	106	106	106	106	106	106	106
107. PROJECT MANAGER	107	107	107	107	107	107	107	107	107	107	107
108. PROJECT MANAGER	108	108	108	108	108	108	108	108	108	108	108
109. PROJECT MANAGER	109	109	109	109	109	109	109	109	109	109	109
110. PROJECT MANAGER	110	110	110	110	110	110	110	110	110	110	110
111. PROJECT MANAGER	111	111	111	111	111	111	111	111	111	111	111
112. PROJECT MANAGER	112	112	112	112	112	112	112	112	112	112	112
113. PROJECT MANAGER	113	113	113	113	113	113	113	113	113	113	113
114. PROJECT MANAGER	114	114	114	114	114	114	114	114	114	114	114
115. PROJECT MANAGER	115	115	115	115	115	115	115	115	115	115	115
116. PROJECT MANAGER	116	116	116	116	116	116	116	116	116	116	116
117. PROJECT MANAGER	117	117	117	117	117	117	117	117	117	117	117
118. PROJECT MANAGER	118	118	118	118	118	118	118	118	118	118	118
119. PROJECT MANAGER	119	119	119	119	119	119	119	119	119	119	119
120. PROJECT MANAGER	120	120	120	120	120	120	120	120	120	120	120
121. PROJECT MANAGER	121	121	121	121	121	121	121	121	121	121	121
122. PROJECT MANAGER	122	122	122	122	122	122	122	122	122	122	122
123. PROJECT MANAGER	123	123	123	123	123	123	123	123	123	123	123
124. PROJECT MANAGER	124	124	124	124	124	124	124	124	124	124	124
125. PROJECT MANAGER	125	125	125	125	125	125	125	125	125	125	125
126. PROJECT MANAGER	126	126	126	126	126	126	126	126	126	126	126
127. PROJECT MANAGER	127	127	127	127	127	127	127	127	127	127	127
128. PROJECT MANAGER	128	128	128	128	128	128	128	128	128	128	128
129. PROJECT MANAGER	129	129	129	129	129	129	129	129	129	129	129
130. PROJECT MANAGER	130	130	130	130	130	130	130	130	130	130	130
131. PROJECT MANAGER	131	131	131	131							

[illegible]

**AZACHANGRETT D - WA #72  
RATE SCHEDULE  
Bentley & Darfield - Prime  
Schematic Development, Preliminary Design, Final Design and Construction Documents**

**Schematic Development, Preliminary Design, Final Design and Construction Documents**

PRIME PROVIDER NAME: Bintlley &amp; Bintlley, Inc.

PROJECT NAME: IH-35 Frontage Road Conversion - Bud Station Loop to FM 972

Work: **AvonWorldsden 62 - D4-35 Frontage Road Conversions**

1107/2017

[illegible]

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL	AMOUNT PAID	AMOUNT DUE	DATE PAID	DATE DUE	REMARKS
1	1. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
2	2. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
3	3. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
4	4. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
5	5. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
6	6. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
7	7. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
8	8. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
9	9. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
10	10. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
11	11. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
12	12. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
13	13. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
14	14. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
15	15. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
16	16. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
17	17. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
18	18. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
19	19. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
20	20. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
21	21. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
22	22. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
23	23. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
24	24. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
25	25. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
26	26. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
27	27. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
28	28. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
29	29. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
30	30. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
31	31. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
32	32. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
33	33. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
34	34. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
35	35. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
36	36. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
37	37. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
38	38. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
39	39. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
40	40. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
41	41. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
42	42. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
43	43. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
44	44. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
45	45. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
46	46. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
47	47. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
48	48. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
49	49. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
50	50. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
51	51. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
52	52. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
53	53. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
54	54. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
55	55. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
56	56. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
57	57. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
58	58. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
59	59. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
60	60. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
61	61. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
62	62. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
63	63. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
64	64. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
65	65. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
66	66. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
67	67. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
68	68. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
69	69. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
70	70. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
71	71. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
72	72. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
73	73. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
74	74. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
75	75. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
76	76. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
77	77. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
78	78. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
79	79. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
80	80. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
81	81. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
82	82. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
83	83. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
84	84. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
85	85. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
86	86. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
87	87. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
88	88. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
89	89. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
90	90. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
91	91. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
92	92. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
93	93. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
94	94. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
95	95. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
96	96. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
97	97. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
98	98. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
99	99. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
100	100. BULK AND TRAFFIC LIGHTS (SEE SPECIFICATIONS)	1	LOT	100.00	0.00	100.00	0.00	100.00			
TOTAL							0.00	0.00			

[illegible]



PRIME PROVIDER NAME: Elmhurst & Barfield, Inc.  
PROJECT NAME: D-33 Frontage Road Conversion - Bus Station Loop to FM 917  
Work Authorization #: 94-33 Frontage Road Conversion  
9/3/2017

2165

[illegible]

FEE SCHEDULE WA#4 (ALLIANCE TRANSPORTATION GROUP)

PRIME PROVIDER NAME: Binkley & Barfield, Inc.  
 PROJECT NAME: IH-35 Frontage Road Conversion - Bud Stockton Loop to FM 972  
 Work Authorization #2 - IH-35 Frontage Road Conversions  
 9/07/2017

TASK DESCRIPTION	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	EST	CONTROLLER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
<b>I. PROJECT MANAGEMENT</b>									
2.1 Progress Reports (up to 12 months)		6			6	6	18		
2.2 Invoices (up to 12 months)		6			6	6	18		
<b>II. I&amp;T, TRAFFIC OPERATIONS / Pavement Markings</b>									
1.1 Analysis									
1.1.1 Traffic Forecasting Includes TDM runs	22	24	24	32			102		
1.1.2 MCS Analysis Auxiliary Levels	1	4	8	16			29		
1.1.3 Control Analysis Auxiliary Levels	1	4	8	24			37		
1.1.4 Safety Assessment									
1.1.4.a Crash Modification Factor (CMF) Development	1	2	4	6			15		
1.1.4.b SAT Safety Analysis (up to 4 locations)	4	10	20	40			60		
1.1.1 Final Technical Memorandum	6	8	8	24		4	50		
1.2.1 Update I&T based on new FHWA policy	4	8	8	24			44		
1.2.2 I&T Review (up to 2 months)	4	12	16	48			80		
1.2.3 Final I&T	2	4	4	8		4	22		
<b>III. SUB-TOTALS</b>	45	80	100	230	12	20	495	0	
CONTRACT RATE PER HOUR	228.44	182.83	112.05	77.81	90.77	48.89			
TOTAL LABOR COSTS	\$10,189.50	\$14,311.44	\$11,205.00	\$17,886.30	\$1,083.24	\$933.80	\$55,819.58		
% DISTRIBUTION OF STAFFING	9.09%	17.78%	20.20%	46.40%	2.42%	4.04%			
<b>SUBTOTAL IV. TRAFFIC OPERATIONS</b>							\$55,819.58		
<b>OTHER DIRECT EXPENSES (V. TRAFFIC OPERATIONS)</b>									
Mileage (8 of miles) (current state rate)							\$0.00		
Photocopies BW (6.5 X 11)							\$0.00		
Photocopies BW (11 X 17)							\$0.00		
Photocopies Color (6.5 X 11)							\$0.00		
Photocopies Color (11 X 17)							\$0.00		
<b>SUBTOTAL DIRECT EXPENSES</b>							\$0.00		
<b>SUMMARY - ALLIANCE T.G.</b>									
TOTAL LABOR COSTS FOR ALLIANCE ONLY							\$55,819.58		
NON-SALARY (OTHER DIRECT EXPENSES) FOR ALLIANCE ONLY							\$0.00		
<b>ALLIANCE GRAND TOTAL</b>							\$55,819.58		

FILING PROVIDER NAME: Bentley & Bartlett, Inc.  
 PROJECT NAME: 94-36 Heritage Road Conversion - Old Red Line Loop to 94-073  
 West Authentication ID: 94-36 Heritage Road Conversion

[illegible]

FD-36 (Rev. 5-22-64)

**NOTE: It is assumed that this expenditure for services will only include the budgeted need improvements and will not include a CMC for the Grand Avenue Bridge Project.**

PRIME PROVIDER NAME: BinJey & Barfield, Inc.  
PROJECT NAME: IH-35 Frontage Road Conversion - Bud Stockton Loop to FM 572  
Work Authorization #2 - IH-35 Frontage Road Conversions  
9/07/2017

Page 9 of 10



20 NOV 1968