EXHIBIT A.2

Subject:	Engineering Fee Estimate JATSO Long Range Transportation Plan Update Joplin, Missouri		
By:	TBD	Date: 06/16/15	Sheet:
CJW #150052			1 of 2

CJW

	Principal	Senior Engineer	Senior Designer	Engineer Intern	Engineering Technician	Office Clerical	Senior Engineer IV	Staff Engineer III			Principal Engineer III			Hours Total	Fee Total
Hourly rate =	$152.00	$135.00	$75.00	$55.00	$55.00	$35.00	$150.00	$95.00			$165.00				
Task 1 – Project Management															
Task 1.1 – Kick-Off Meeting		6					4				4			14	$2,070
Task 1.2 – Project Advisory Team Meetings		8					6				6			20	$2,970
Task 1.3 – Project Oversight	4													4	$608
Subtotal	4	14		0	0	0	10	0	0	0	10	0	0	38	$5,648
Task 2 – Data Collection and Review															
Task 2.1 – Document Review		8		8										16	$1,600
Task 2.2 – Base Mapping				4	4									8	$480
Task 2.3 – Travel Demand Model							8	16						24	$2,720
Task 2.4 – Traffic Data		4		8			4	8						24	$2,420
Task 2.5 – Transit Information		2		2										4	$400
Task 2.6 – Pedestrian Facilities											2			2	$330
Task 2.7 – Relevant Reports		2												2	$270
Subtotal	0	16		22	4	0	12	24	0	0	2	0	0	80	$8,220
Task 3 – Public Participation															
Task 3.1 – Online Project Information		2		4		2								8	$580
Task 3.2 – Stakeholder Meetings		20		16							4			40	$4,400
Task 3.3 – Public Meeting		8		8	8						6			30	$3,030
Task 3.4 – JATSO Meeting Presentation		8		8	4						4			24	$2,480
Subtotal	0	38		36	12	2	0	0	0	0	14	0	0	102	$10,490
Task 4 – Travel Demand Model Update															
Task 4.1 – Base Model Update							24	60						84	$9,300
Task 4.2 – JATSO Staff Training and Modeling Assistance							32							32	$4,800
Task 4.3 – Alternative Network Analysis		4					12	32						48	$5,360
Subtotal	0	4		0			68	92	0	0	0	0	0	164	$19,460
Task 5 – Traffic Analysis															
Task 5.1 – Existing Traffic Analysis		4		16										20	$1,580
Task 5.2 – Future Conditions		4		16										20	$1,580
Task 5.3 – Project Evaluations		8		24										32	$2,640
Subtotal	0	16		56	0	0	0	0	0	0	0	0	0	72	$5,800
Task 6 – Transit Plan															
Task 6.1 – Review and Incorporate Existing Transit System		2		4										6	$530
Task 6.2 – Incorporate Planned System Changes and Enhancements		2		2										4	$400
Task 6.3 – Incorporate Future Budgets and Financial		2												2	$270
Subtotal	0	6		6	0	0	0	0	0	0	0	0	0	12	$1,200
Task 7 – Incorporation of Bicycle - Pedestrian Plan															
Task 7 – Incorporation of Bicycle - Pedestrian Plan		1		2	2						8			13	$1,695
Subtotal	0	1		2	2	0	0	0	0	0	8	0	0	13	$1,695
Task 8 – Safety Analysis															
Task 8.1 – Incorporation of Existing Crash Analyses				4										4	$260
Task 8.2 – Identification of High Accident Locations				4										4	$260
Task 8.3 – Recommend Safety Enhancements		4		4										8	$800
Subtotal	0	4		12	0	0	0	0	0	0	0	0	0	16	$1,320
Task 9 – Freight Plan															
Task 9.1 – Identify Freight Corridors		4		4										8	$860
Subtotal	0	4		4	0	0	0	0	0	0	0	0	0	8	$860
Task 10 – Incorporation of Joplin Airport Master Plan															
Task 10 – Incorporation of Joplin Airport Master Plan		2		4										6	$530
Subtotal	0	2		4	0	0	0	0	0	0	0	0	0	6	$530
Task 11 – Environmental Mitigation Plan															
Task 11 – Mapping and Documentation of Environmental		2		4	4									10	$750
Subtotal	0	2		4	4	0	0	0	0	0	0	0	0	10	$750
Task 12 – Alternatives Development and Evaluation															
Task 12.1 – Goals and Objectives/Evaluation Criteria		2												2	$270
Task 12.2 – Develop Alternatives	2	4		4			8							18	$2,304
Task 12.3 – Evaluate Alternatives		8		24			8	24						64	$6,120
Task 12.4 – Develop/Document Performance Measures		8		4										12	$1,340
Subtotal	2	22		32	0	0	16	24	0	0	0	0	0	96	$10,034
Task 13 – Project Concept Plans and Cost Estimates															
Task 13.1 – Project Concept Plans		8	24	40	40									112	$7,680
Task 13.2 – Order of Magnitude Cost Estimates		2	8	4							8			22	$2,450
Task 13.3 – Develop B/C Ratios		2		8										10	$790
Subtotal	0	12	32	52	40	0	0	0	0	0	8	0	0	144	$10,920
Task 14 – Implementation Plan and Prioritized Spending															
Task 14.1 – Identify Available Funding		4												4	$540
Task 14.2 – Prioritize Projects		8												8	$1,080
Subtotal	0	12		0	0	0	0	0	0	0	0	0	0	12	$1,620
Task 15 – Draft and Final Report															
Task 15.1 – Draft Report	2	16		16	20		4				4			62	$5,864
Task 15.2 – Final and Executive Summary Reports	2	8		8	4		4				4			30	$3,384
Subtotal	4	24		24	24	0	8	0	0	0	8	0	0	92	$9,248

EXHIBIT A.2

Subject:	Engineering Fee Estimate JATSO Long Range Transportation Plan Update Joplin, Missouri		
By:	TBD	Date: 06/16/15	Sheet:
CJW #15052			2 of 2

SUMMARY OF MAN-HOURS AND FEE ESTIMATE

CJW Transportation Consultants

Project Phase	Hours	Cost
Task 1 – Project Management	38	$5,648.00
Task 2 - Data Collection/Review	80	$8,220.00
Task 3 - Public Participation	102	$10,490.00
Task 4 - Travel Demand Modeling	164	$19,480.00
Task 5 - Traffic Analysis	72	$5,800.00
Task 6 - Transit Analysis	12	$1,200.00
Task 7 - Bicycle/Pedestrian Facility Analysis	13	$1,695.00
Task 8 - Crash Analysis	16	$1,320.00
Task 9 - Freight Assessment	8	$800.00
Task 10 - Incorporation of Airport Master Plan	6	$530.00
Task 11 - Environmental Mitigation Activities	10	$750.00
Task 12 - Alternative Development and Evaluation	96	$10,034.00
Task 13 - Conceptual Design and Cost Estimates	144	$10,920.00
Task 14 - Financial Forecast and Project Funding	12	$1,620.00
Task 15 - Reports and Documentation	92	$9,248.00
	Σ Hours = 865	Σ Labor = **$87,755.00**

Reimbursables Expenses:

AirSage					$15,000.00
Delivery Charges, Photos, Misc.					$500.00
Prints/ Copies					$1,000.00
Travel	2000	Miles @	$0.630	/Mile	$1,260.00
				Reimbursable Total =	**$17,760.00**

CJW Total Estimated Fee = $105,515.00

TOTAL NOT TO EXCEED FEE = $105,515.00

Schedule

Task 1 - Kickoff meeting
Task 2 - QA/QC
Task 3 - Data Collection
Task 4 - Public Participation Development
Task 5 - Public Participation Process
Task 6 - Mode Review
Task 7 - Modeling
Task 8 - 20 Year Plan Development

