

Collin County - SE Corridor Study (Phase 1)  
Fee Estimate

Fee Summary by Task and Firm

Task	Burns & McDonnell		Single Wing (DBE)		Totals	
	Hours	Cost	Hours	Cost	Hours	Cost
Labor Costs						
Phase 1	3,495.00	\$599,069.27	1,188.00	\$179,921.72	4,683.00	\$778,990.99
Phase 2						
Total Labor Costs	3,495.00	\$599,069.27	1,188.00	\$179,921.72	4,683.00	\$778,990.99
ODE Costs		\$209,323.01				\$209,323.01
Total Estimated Project Costs	3,495.00	\$808,392.28	1,188.00	\$179,921.72	4,683.00	\$988,314.00
Percentage per Firm		81.80%		18.20%		100.00%
Percent DBE				18.20%		18.20%

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PRIME PROVIDER: Burns & McDonnell Engineering Company, Inc.

Task Description	Project Manager	Deputy Project Manager	Quality Manager	Admin/ Clerical	Engineer (Senior)	Engineer (Project)	Engineer (Design)	Engineer-In-Training	Env. Project Manager	Trans. Planner (Senior)	Trans. Planner	Env Planner III
Hourly Rates:	\$257.50	\$200.18	\$221.70	\$74.07	\$218.70	\$181.66	\$144.62	\$116.40	\$226.10	\$181.66	\$144.62	\$144.62
<b>TASK 1: PROJECT MANAGEMENT &amp; QUALITY CONTROL</b>												
Direct and coordinate the scoped work	80	40										
Prepare and maintain Project Management Plan (PMP)		20		10								
Conduct bi-monthly team progress updates (assume 5 months)	10	15										
Create and maintain a work schedule		12										
Prepare subcontracts and direct subconsultants		20		30								
Conduct ongoing QA/QC activities (assume 5 months)	32		32									
Prepare and submit progress reports and invoices (assume 5 months)		10		8								
<b>TASK 2: DATA COLLECTION &amp; PRELIMINARY ANALYSIS</b>												
Review of previous planning work (NCTCOG, Jacobs, Collin County, etc.)	25	50			20		10	10	16			24
Review and digitization of existing/planned roadway network from each city, and Collin County	2	16			10		20	30			32	8
Review city/county positions and/or resolutions	2	2										
Collection and digitization of existing and planned developments	1	15					20	40	4		24	
Review of published community development plans	1	2					4	6	4			16
Origin destination studies												
Coordination with Mobility (data provider)	4	6	3		16					14	12	
Coordinate traffic data collection and review			2		10					2	2	
Identify/create origin-destination zones		4			4					18	22	
Data calibration, verification and processing		8	2		10					20	32	
Origin-destination analysis & trend identification	8	30	3		36		25			6	10	
Present origin-destination results to Collin County	2	20			6					1	4	
Develop technical origin-destination exhibits (up to 7 exhibits)	1	8	1		13		12			6	22	
Coordination with Jacobs/NCTCOG on prior TDM analysis	10	20			20							
<b>Safety analysis</b>												
Obtain and map CRIS crash data for the study area		2						4				
Create heat map of crashes in the study area and identify "hot spots"	1	8					8	32			12	
Perform multivariate analysis using Microsoft PowerBI	1	8						20				
Evaluate applicable countermeasures using CMFs							8	16				
Draft and final safety analysis whitepaper	1	4						8			8	
<b>Collect and analyze relevant environmental data</b>												
Integrate Collin County GIS database into basemaps		1					2			2	16	
Integrate NCTCOG GIS database into basemaps		1					2			2	8	
Integrate GIS databases from appropriate cities into basemaps		3					10			10	20	
Obtain/integrate TARL and other ENV GIS databases into basemaps											8	4
Collect and digitize major existing and future utilities in the study area	2	20					40				4	
Develop a constraints base map		2					8		4		24	4
<b>TASK 3: PUBLIC AND STAKEHOLDER OUTREACH</b>												
Develop a public and stakeholder outreach plan	2	2							4			
Develop project messaging, lists of target audiences, brand identity/consistent look and feel, and logo	5	5							4			
Compile, maintain and update mailing and email lists		2										
Provide social media strategy and editorial content/calendar												
<b>Develop custom digital assets</b>												
Develop and update an independent website & project email address	2	24					8			50		
Stakeholder work group meeting	8	12							8			
Up to 3 email blasts to stakeholders												

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Hourly Rates:	\$257.50	\$200.18	\$221.70	\$74.07	\$218.70	\$181.66	\$144.62	\$116.40	\$226.10	\$181.66	\$144.62	\$144.62
Host 1 public meeting round at 3 locations												
Attendance	15	18			4	18		18	18			18
Logistics, venues and material production												
Create Exhibits and handouts	30	14						42	50		16	
Meeting notices / marketing												
Newspaper Ads												
Changeable message signs		1										
Press releases												
1 webinar or online public meeting	2	2							4			
1 electronic survey	2	2							4			
Digital analysis of survey results		16						20	10			
Up to 40 small group stakeholder meetings	80	80						80				
TOTAL HOURS	329	525	43	48	149	18	177	326	130	131	276	74
TOTAL LABOR COSTS	\$84,717.50	\$105,094.50	\$9,533.10	\$3,555.36	\$32,586.30	\$3,269.88	\$25,597.74	\$37,946.40	\$29,393.00	\$23,797.46	\$39,915.12	\$10,701.88

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Visual 3D Modeler	Visual 3D Specialist	Public Involve Officer (Senior)	Public Involve Specialist	TOTAL HOURS	TOTAL COSTS
\$171.32	\$146.39	\$165.79	\$132.10		
		20		140	\$31,923.00
				30	\$4,744.30
		20		45	\$8,893.50
		5		17	\$3,231.11
				50	\$6,225.70
		50	50	164	\$30,228.90
				18	\$2,594.36
		50		205	\$38,808.68
				118	\$18,074.08
				4	\$915.36
				104	\$15,183.88
				33	\$5,153.06
				55	\$10,674.06
				16	\$3,282.96
				48	\$8,127.04
				72	\$12,492.88
				118	\$22,755.36
		2	2	37	\$7,186.72
		3		66	\$11,428.15
				50	\$10,952.60
				6	\$865.96
				61	\$8,476.14
				29	\$4,186.94
				24	\$3,019.36
				21	\$3,146.38
				21	\$3,166.66
				13	\$2,009.70
				43	\$6,755.74
				12	\$1,735.44
				66	\$10,881.88
		5		47	\$7,340.03
		20	40	68	\$10,419.56
		20		34	\$6,508.60
			40	42	\$5,684.36
		20	15	35	\$5,297.30
		25	40	149	\$24,988.03
		60	20	108	\$18,860.36
		20	10	30	\$4,636.80

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Visual 3D Modeler	Visual 3D Specialist	Public Involve Officer (Senior)	Public Involve Specialist	TOTAL HOURS	TOTAL COSTS
\$171.32	\$146.39	\$165.79	\$132.10		
		18	40	167	\$28,646.80
		2		2	\$331.58
10	40	100	100	402	\$66,393.04
		10	30	40	\$5,620.90
		2		2	\$331.58
		1		2	\$365.97
		4		4	\$663.16
10	10	10	40	78	\$11,938.76
		20	5	33	\$5,796.06
20	40	20		126	\$20,389.68
		160	40	440	\$77,736.80
40	90	667	472	3,495	
\$6,952.80	\$13,175.10	\$110,581.93	\$62,351.20		\$599,069.27

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PRIME PROVIDER: Burns & McDonnell Engineering Company, Inc.

Other Direct Expenses	Quantity	Unit	Rate	Total
Lodging/Hotel - Taxes and Fees	12.0	day/person	\$30.00	\$360.00
Lodging/Hotel (Taxes/fees not included)	12.0	day/person	\$121.00	\$1,452.00
Meals (Excluding alcohol & tips) (Overnight stay required)	20.0	day/person	\$56.00	\$1,120.00
Mileage	10,000.0	mile	\$0.58	\$5,750.00
Rental Car Fuel	12.0	day	\$27.33	\$327.96
SUV or ATV Rental (Includes taxes and fees; Insurance costs will not be reimbursed)		day	\$150.00	
Rental Car Fuel	100.0	gallon	\$4.20	\$420.00
Rental Car (Includes taxes and fees; Insurance costs will not be reimbursed)	105.0	day	\$72.50	\$7,612.50
Air Travel - In State - Short Notice (Coach)		Rd Trip/person	\$550.00	
Air Travel - In State - 2+ Wks Notice (Coach)	4.0	Rd Trip/person	\$400.00	\$1,600.00
Air Travel - Out of State - 2+ Wks Notice (Coach)		Rd Trip/person	\$600.00	
Air Travel - Out of State - Short Notice (Coach)		Rd Trip/person	\$800.00	
Oversize, special handling or extra baggage airline fees	2.0	each	\$80.00	\$160.00
Taxi/Cab fare	30.0	each/person	\$35.00	\$1,050.00
Parking	60.0	day	\$25.00	\$1,500.00
Toll Charges	100.0	each	\$10.00	\$1,000.00
Standard Postage	25.0	letter	\$0.55	\$13.75
Certified Letter Return Receipt	1.0	each	\$6.30	\$6.30
Overnight Mail - letter size	1.0	each	\$20.00	\$20.00
Overnight Mail - oversized box	10.0	each	\$35.00	\$350.00
Courier Services	1.0	each	\$35.00	\$35.00
Photocopies B/W (11" X 17")	5,000.0	each	\$0.20	\$1,000.00
Photocopies B/W (8 1/2" X 11")	10,000.0	Each	\$0.10	\$1,000.00
Photocopies Color (11" X 17")	2,000.0	each	\$1.25	\$2,500.00
Photocopies Color (8 1/2" X 11")	20,000.0	each	\$1.00	\$20,000.00
Digital Ortho Plotting	5.0	sheet	\$1.70	\$8.50
Plots (B/W on Bond)	500.0	per sq. ft.	\$0.83	\$415.00
Plots (Color on Bond)	500.0	per sq. ft.	\$2.00	\$1,000.00
Plots (Color on Photographic Paper)	500.0	per sq. ft.	\$4.00	\$2,000.00
Color Graphics on Foam Board		square foot	\$6.00	
Presentation Boards 30" X 40" Color Mounted	30.0	each	\$130.00	\$3,900.00
Report Printing		each	\$73.00	
Report Binding and tabbing		each	\$10.00	
Notebooks		each	\$9.00	
Reproduction of CD/DVD		each	\$4.40	
CDs		each	\$2.00	
4" X 6" Digital Color Print		picture	\$0.65	
Tx Parks & Wildlife Data Request Fees		each	\$75.00	
Hazardous Materials Database Search		per search	\$600.00	
Noise Meter Rental		per project	\$300.00	
Environmental Database Search		mile	\$150.00	
Environmental Database Search		per project	\$1,000.00	
Environmental Field Supplies (lathes, stakes, flagging, spray paint, etc.)		day	\$55.00	
Curator (Drawer & TX Archaeological Research Lab for artifacts & report)		per project	\$3,640.00	
Newspaper Advertisement	5.0	per publication	\$4,000.00	\$20,000.00
Court Reporter		page	\$10.00	
Court Reporter (Public Meetings, Hearings & Transcription)		day	\$500.00	
Translator (English to Spanish, other language as appropriate, or Sign Language) for Public Involvement	3.0	event	\$400.00	\$1,200.00
Translator (English to Spanish, other language as appropriate, or Sign Language)	20.0	hour	\$100.00	\$2,000.00
Custodian for Public Involvement	10.0	hour/custodian	\$50.00	\$500.00
Sound Technician for Public Involvement	4.0	event	\$350.00	\$1,400.00
Public Involvement Facility Rental (estimate)	2.0	4 hours	\$650.00	\$1,300.00
Public involvement Facility Rental (estimate)		8 hours	\$1,200.00	
Public Involvement Facility Rental (estimate)		hour	\$150.00	
Public Involvement Facility Rental	2.0	event	\$2,000.00	\$4,000.00
Audio - Equipment Rental	2.0	each	\$400.00	\$800.00
Audio - Visual Equipment Rental	2.0	event	\$600.00	\$1,200.00
Public Notices - Mass Mailing (500 pieces)	50.0	per mailing	\$500.00	\$25,000.00
Public Notices - Mass Mailing/with Self Addressed Return Envelope (500 pieces)		per mailing	\$2.00	
Electronic Message Signs	75.0	day	\$200.00	\$15,000.00
Website URL Rental	4.0	year	\$75.00	\$300.00
Video Conferencing Equipment for Field Office		lump sum	\$3,000.00	
FEMA FIS (Manual)		each	\$5.00	
FEMA FIS Backup Data Request		each	\$300.00	
FEMA Map Revision Submittal (CLOMR/LOMR) (Submittal Fee Only)		each	\$8,250.00	
FEMA Model/Floodplain Hardcopy		each	\$250.00	
Railroad - Flagger (Service provided by RR)		hour	\$64.00	
Railroad - Insurance in addition to STD Minimum Required (Minimum coverage of \$1 Million required by RR.)		each	\$3,500.00	
Railroad - Permit [Note: Read and then delete this note. Most railroad companies charge a fee of \$500 for the permit to access their property.]		each	\$1,999.00	
Railroad - Safety Training (If required - Heavy Rail Safety Training Certificate, includes classroom training and employee certification card.)		per person	\$300.00	
Traffic Control Services, Arrow Boards and Attenuator trucks - Large Project (Includes labor, equipment and fuel)		day	\$3,500.00	
Traffic Control Services, Arrow Boards and Attenuator trucks - Medium Project (Includes labor, equipment and fuel)		day	\$2,649.00	
Traffic Control Services, Arrow Boards and Attenuator trucks - Small Project (Includes labor, equipment and fuel)		day	\$1,750.00	
Attenuator trucks - (Lane/Shoulder Closure) (Includes labor, equipment and fuel)		day	\$700.00	
Attenuator trucks - (No Lane Closure) (Includes labor, equipment and fuel)		day	\$325.00	
Flashing Arrow Board		day	\$500.00	
Portable Message Board		day	\$223.33	
Law Enforcement/Uniform Officer (including vehicle)	6.0	hour	\$88.00	\$528.00
Required Permit Fees (non- railroad)		each	\$400.00	
Boat with Motor		day	\$333.33	
Fathometer		day	\$90.00	
Backhoe Rental		day	\$1,300.00	
Rental Equipment - Gasoline Powered Auger		day	\$150.00	
ManLift Equipment Rental or Bridge Inspection Equipment Rental		day		
GPS Receiver (rates applied to actual time GPS units are in use)		hour	\$30.00	
GPS RTK (rates applied to actual time GPS units are in use)		hour	\$30.00	

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Other Direct Expenses	Quantity	Unit	Rate	Total
GPS Static (rates applied to actual time GPS units are in use)		hour	\$30.00	
Map Records		sheet	\$5.00	
Deed Copies		sheet	\$2.00	
Certified Deed Copies		sheet	\$2.58	
Historical Aerial Images		unit	\$160.00	
Aerial Photographs (1" = 500' scale)		each	\$120.00	
Reprographics		per sq. ft.	\$3.80	
Terrestrial Laser Scanner (rates applied to actual time scanner unit is in use)		hour	\$99.00	
Ground Target (includes paint, panel material, etc.)		each	\$20.00	
Mobilization for Aerial Photography/LIDAR Fixed Wing Aircraft (Includes aircraft, Pilot, Camera/LIDAR Operator, fuel and transportation cost)		per project	\$20,000.00	
Mobilization for Helicopter Airborne LIDAR (Includes helicopter, Pilot, LIDAR Operator, fuel and transportation cost)		per project	\$20,600.00	
Helicopter Equipment LIDAR - Project Flight Miles (On project flight miles)		per mile	\$60.00	
Helicopter Equipment LIDAR - Transit Miles (including turn, maneuver miles and local airport to project)		per mile	\$15.00	
Fixed Wing Airborne LIDAR - Project Flight Miles (On project flight miles)		per mile	\$20.77	
Fixed Wing Airborne LIDAR - Transit Miles (including turn, maneuver miles and local airport to project)		per mile	\$10.00	
Aerial Photography - Airborne GPS/IMU Data collection/Processing		per project	\$2,275.00	
Aerial Photography - Project Flight Miles (On project flight miles)		per mile	\$30.00	
Aerial Photography - Transit miles (including turn, maneuver miles and local airport to project)		per mile	\$7.47	
Photo Lab Service - Black and White Processing (film, development, scanning)		per frame	\$15.00	
Photo Lab Service - Color Infrared Processing (film, development, scanning)		per frame	\$25.00	
Photo Lab Service - Color Processing (film, development, scanning)		per frame	\$20.00	
Photo Lab Service - Digital image processing		per frame	\$25.80	
Photo Lab Service - Enlargements, Lamination, Mounting		per sq. ft.	\$10.00	
Event Setup Rental (chairs/tables/tents/porto)		each	\$3,000.00	
Mailing Lists		each	\$100.00	
Meeting Signage	4.0	per unit	\$35.00	\$140.00
Professional Narrator for Public Involvement		event	\$235.00	
Maps and Map Records		each	\$110.00	
Databases - Census		each	\$300.00	
Databases - Socioeconomic and Other		each	\$150.00	
Postcard printing	10,000.0	each	\$3.00	\$30,000.00
Booklet/Report Printing		each	\$50.00	
Royalty Free Images	4.0	each	\$300.00	\$1,200.00
External Hard Drive	4.0	each	\$60.00	\$240.00
3rd Party Traffic Dataset (Mobility) ("zone" represents 1/2 mile in 1 direction)	194.0	per zone	\$256.00	\$49,664.00
3rd Party Business Dataset (100 Records)		each	\$45.00	
USB Flash Drive - 128 GB	10.0	each	\$25.00	\$250.00
Total				\$209,323.01

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SUBPROVIDER: SingleWing Consulting

Task Description	Support Manager	Senior Public Involve Officer	Senior Public Involve Specialist	Junior Public Involve Specialist	Admin/ Clerical	TOTAL HOURS	TOTAL COSTS
Hourly Rates:	\$175.60	\$158.02	\$148.95	\$99.05	\$99.05		
<b>TASK 1: PROJECT MANAGEMENT &amp; QUALITY CONTROL</b>							
Conduct bi-monthly team progress updates (assume 5 months)	5					5	\$878.00
Create and maintain a work schedule	5					5	\$878.00
Conduct ongoing QA/QC activities	30	20				50	\$8,428.40
Prepare and submit invoices					15	15	\$1,485.75
<b>TASK 3: PUBLIC AND STAKEHOLDER OUTREACH</b>							
Develop a public and stakeholder outreach plan	2		2			4	\$649.10
Develop project messaging, lists of target audiences, brand identity/consistent look and feel, and logo	80	16	65	35		196	\$29,724.82
Compile, maintain and update mailing and email lists			24	24		48	\$5,952.00
Provide social media strategy and editorial content/calendar	20					20	\$3,512.00
Develop custom digital assets		40	40			80	\$12,278.80
Develop and update an independent website	80	80	80	80		320	\$46,529.60
Develop a project email address				5		5	\$495.25
Up to 3 email blasts to stakeholders	20	20	40			80	\$12,630.40
Host 1 public meeting at 3 locations							
Logistics, venues and material production			20			20	\$2,979.00
Create Exhibits and handouts	40	40	40			120	\$19,302.80
Meeting notices / marketing			40			40	\$5,958.00
Newspaper Ads			40			40	\$5,958.00
Changeable message signs			20			20	\$2,979.00
1 webinar or online public meeting	30	30	30			90	\$14,477.10
1 electronic survey	10	10	10			30	\$4,825.70
<b>TOTAL HOURS</b>	322	256	451	144	15	1,188	
<b>TOTAL LABOR COSTS</b>	\$56,543.20	\$40,453.12	\$67,176.45	\$14,263.20	\$1,485.75		\$179,921.72