



## CITY OF ANN ARBOR, MICHIGAN

Public Services Area/Project Management Services Unit  
301 E. Huron Street, P.O. Box 8647  
P.O. Box 8647, Ann Arbor, Michigan 48107-8647  
Phone: (734) 794-6410 Fax: (734) 994-1744  
Web: [www.a2gov.org](http://www.a2gov.org)

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February 13, 2014

Re: Request for Proposal for Construction Materials Testing Services  
City of Ann Arbor – Project Management Services Unit  
2014 Construction Projects, RFP #884

Ladies and Gentlemen:

The City of Ann Arbor would like to thank you for responding to our Request for Proposal for the 2014 Construction Projects, RFP #884. In response to our request, seven professional engineering firms submitted proposals to perform the work. After evaluating the submitted proposals on the basis of their Professional Qualifications & Experience, Work Plan, and past performance; the fee schedules for the top six ranking firms were opened – CTI & Associates (CTI); Interra; Materials Testing Consultants (MTC); Professional Service Industries (PSI); Testing Engineers & Consultants, Inc. (TEC); and TTL Associates, Inc. (TTL).

Following the evaluation of the Fee Proposals for the six firms listed above, the projects outlined in the RFP were awarded as follows:

2014 Street Resurfacing:	<b>CTI</b>	(contact person: Liz Rolla, ext. 43636)
Yellowstone Water Main Replacement:	<b>TTL</b>	(contact person: Igor Kotlyar, ext. 43634)
Arbor Oaks Phase II Water Main:	<b>TTL</b>	(contact person: Igor Kotlyar, ext. 43634)
Russell, Russett, Redeemer Water Main:	<b>TEC</b>	(contact person: Dave Dykman, ext. 43685)
Pontiac Trail Improvements:	<b>PSI</b>	(contact person: Anne Warrow, ext. 43639)
Springwater Subdivision Improvements:	<b>Interra</b>	(contact person: Anne Warrow, ext. 43639)
Clague Safe Routes to School	<b>TTL</b>	(contact person: Patrick Cawley, ext. 43632)
Stone School Road Reconstruction	<b>MTC</b>	(contact person: Michael Nearing, ext. 43635)
Miscellaneous Construction Projects	<b>CTI</b>	(contact person: Brian Slizewski, ext. 43607)

The project manager/contact person for each project can be reached at (734) 794-6410, followed by the listed extension. Attached is a copy of the score sheet used to evaluate the proposals, as well as summaries of the Fee Schedules that were opened for each project. Again, we would like to thank you for your interest in these projects.

Sincerely,

PROJECT MANAGEMENT SERVICES UNIT

Michael Bywalec  
Project Engineer

Enclosed: RFP-884 Proposal Results

cc: Nicholas Hutchinson, P.E., City Engineer  
Liz Rolla, P.E., Senior Project Manager  
Igor Kotlyar, P.E. Senior Project Engineer  
Dave Dykman, P.E., Project Engineer  
Michael Nearing, P.E., Senior Project Manager  
Patrick Cawley, P.E., Senior Project Manager  
Anne Warrow, P.E., Project Manager  
Brian Slizewski, P.E., Project Engineer  
Mark Berryman, Procurement Office

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Proposal Evaluations for 2014 Construction Projects

RFP No. 884

					Firm	CTI	MTC	TTL	PSI	TEC	TES	Interra
<b>PROFESSIONAL QUALIFICATIONS &amp; A. EXPERIENCE (15 pts)</b>												
	Poor	Average		Superior								
Qualifications of firm & staff assigned to project, References & Project Experience	3	6	9	12	15	13	14	12	12	11	9	11
<b>B. WORK PLAN (25 pts)</b>												
	Poor	Average		Superior								
Discussion on how the project will be managed & scheduled, how/when data will be delivered, & general philosophy	5	10	15	20	25	22	22	20	20	18	9	19
<b>D. PAST PERFORMANCE (40 pts)</b>												
	Poor	Average		Superior								
Quality of past performances of Firm on City projects. 20 pts for average performance or no previous experience with firm.	0	10	20	30	40	30	29	26	23	17	17	20
<b>TOTAL SECTIONS A, B, &amp; D (80 Possible Points)</b>												
						65	65	58	55	46	35	50
<b>C. FEE SCHEDULE (20 pts)</b>												
	Poor	Average		Superior								
Clarity and completeness of Fee Schedule, overall rates/cost of work	4	8	12	16	20	18	18	18	20	19		16
<b>GRAND TOTAL (100 Possible Points)</b>												
						83	83	76	75	65	35	66

**2014 Street Resurfacing - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	941	hrs	1200	37.50	35,300.00	1100	40.00	37,653.33	1112	36.00	33,888.00	136	38.50	36,241.33	900	42.00	39,536.00	1200	37.00	34,829.33
Technician Including Nuclear Densometer - Overtime	151	hrs	240	48.00	7,232.00	220	40.00	6,026.67	139	44.00	6,629.33	15	48.50	7,307.33	90	48.00	7,232.00	200	42.00	6,328.00
Technician Daily Mobilization	121	day	180	28.00	3,388.00	175	20.00	2,420.00	139	20.00	2,420.00	17	25.00	3,025.00	90	25.00	3,025.00	125	20.00	2,420.00
Additional Engineering Services	31	hrs	45	90.00	2,820.00	45	80.00	2,506.67	30	70.00	2,193.33	8	80.00	2,506.67	20	90.00	2,820.00	40	80.00	2,506.67
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	273	ea	450	10.00	2,733.33	250	12.00	3,280.00	320	11.00	3,006.67	0	10.00	2,733.33	300	12.00	3,280.00	320	11.00	3,006.67
Sieve Analysis	8	ea	9	60.00	470.00	10	60.00	470.00	8	60.00	470.00	0	59.00	462.17	10	80.00	626.67	10	60.00	470.00
Modified Proctor	7	ea	9	125.00	895.83	10	100.00	718.67	8	135.00	967.50	0	166.00	1,189.67	6	120.00	860.00	10	125.00	895.83
Extraction	35	ea	55	150.00	5,300.00	40	150.00	5,300.00	40	150.00	5,300.00	17	110.00	3,886.67	20	150.00	5,300.00	40	135.00	4,770.00
Marshall Mix Verification	7	ea	4	150.00	1,100.00	10	100.00	733.33	6	75.00	550.00	4	50.00	366.67	10	225.00	1,650.00	10	150.00	1,100.00
Performance Grade Binder Verification	3	ea	3	225.00	675.00	0	100.00	300.00	4	75.00	225.00	2	100.00	300.00	5	150.00	450.00	4	100.00	300.00
AC Penetration Test	4	ea	3	75.00	262.50	3	50.00	175.00	4	75.00	262.50	2	22.00	77.00	5	80.00	280.00	4	80.00	280.00
Review Concrete/Asphalt Mix Design	7	ea	10	0.00	0.00	8	30.00	205.00	10	0.00	0.00	2	0.00	0.00	5	50.00	341.67	6	0.00	0.00
<b>TOTALS*</b>				<b>\$60,176.67</b>			<b>\$59,786.67</b>			<b>\$55,912.33</b>			<b>\$58,095.83</b>		<b>\$65,401.33</b>				<b>\$56,906.50</b>	

\* Actual Total Costs based on average quantities of all fee proposals opened

**Yellowstone Water Main Replacement - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	420	hrs	400	37.50	15,737.50	400	40.00	16,786.67	360	36.00	15,108.00	408	38.50	16,157.17	550	42.00	17,626.00	400	37.00	15,527.67
Technician Including Nuclear Densometer - Overtime	55	hrs	80	48.00	2,640.00	60	40.00	2,200.00	45	44.00	2,420.00	45	48.50	2,667.50	60	48.00	2,640.00	40	42.00	2,310.00
Technician Daily Mobilization	52	day	60	28.00	1,451.33	50	20.00	1,036.67	45	20.00	1,036.67	51	25.00	1,295.83	55	25.00	1,295.83	50	20.00	1,036.67
Additional Engineering Services	13	hrs	15	90.00	1,125.00	12	80.00	1,000.00	8	70.00	875.00	20	80.00	1,000.00	5	90.00	1,125.00	15	80.00	1,000.00
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	74	ea	80	10.00	736.67	75	12.00	894.00	75	11.00	810.33	32	10.00	736.67	120	12.00	884.00	60	11.00	810.33
Sieve Analysis	4	ea	3	60.00	210.00	3	60.00	210.00	3	60.00	210.00	3	59.00	206.50	5	80.00	280.00	4	60.00	210.00
Modified Proctor	4	ea	3	125.00	437.50	3	100.00	350.00	3	135.00	472.50	3	166.00	581.00	5	120.00	420.00	4	125.00	437.50
Extraction	6	ea	6	150.00	925.00	8	150.00	925.00	6	150.00	925.00	4	100.00	616.67	5	150.00	925.00	8	135.00	832.50
Marshall Mix Verification	3	ea	2	150.00	425.00	2	100.00	283.33	2	75.00	212.50	4	50.00	141.67	5	225.00	637.50	2	150.00	425.00
Performance Grade Binder Verification	1	ea	1	225.00	300.00	0	100.00	133.33	1	75.00	100.00	2	100.00	133.33	3	150.00	200.00	1	100.00	133.33
AC Penetration Test	2	ea	1	75.00	125.00	1	50.00	83.33	1	75.00	125.00	2	22.00	36.67	3	80.00	133.33	2	80.00	133.33
Review Concrete/Asphalt Mix Design	4	ea	4	0.00	0.00	4	30.00	120.00	4	0.00	0.00	3	0.00	0.00	5	50.00	200.00	4	0.00	0.00
<b>TOTALS*</b>				<b>\$24,113.00</b>			<b>\$24,012.33</b>			<b>\$22,295.00</b>			<b>\$23,573.00</b>		<b>\$26,366.67</b>				<b>\$22,856.33</b>	

\* Actual Total Costs based on average quantities of all fee proposals opened

**Arbor Oaks Phase II Water Main Replacement - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	432	hrs	560	37.50	16,187.50	550	40.00	17,266.67	400	36.00	15,540.00	280	38.50	16,619.17	320	42.00	18,130.00	480	37.00	15,971.67
Technician Including Nuclear Densometer - Overtime	63	hrs	112	48.00	3,016.00	100	40.00	2,513.33	50	44.00	2,764.67	30	48.50	3,047.42	40	48.00	3,016.00	45	42.00	2,639.00
Technician Daily Mobilization	58	day	84	28.00	1,628.67	80	20.00	1,163.33	50	20.00	1,163.33	35	25.00	1,454.17	40	25.00	1,454.17	60	20.00	1,163.33
Additional Engineering Services	15	hrs	20	90.00	1,350.00	20	80.00	1,200.00	10	70.00	1,050.00	15	80.00	1,200.00	5	90.00	1,350.00	20	80.00	1,200.00
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	87	ea	104	10.00	873.33	100	12.00	1,048.00	120	11.00	960.67	52	10.00	873.33	80	12.00	1,048.00	68	11.00	960.67
Sieve Analysis	4	ea	4	60.00	230.00	4	60.00	230.00	3	60.00	230.00	3	59.00	226.17	5	80.00	306.67	4	60.00	230.00
Modified Proctor	4	ea	4	125.00	479.17	4	100.00	383.33	3	135.00	517.50	3	166.00	636.33	5	120.00	460.00	4	125.00	479.17
Extraction	9	ea	12	150.00	1,375.00	8	150.00	1,375.00	10	150.00	1,375.00	12	100.00	916.67	5	150.00	1,375.00	8	135.00	1,237.50
Marshall Mix Verification	3	ea	2	150.00	475.00	2	100.00	316.67	2	75.00	237.50	6	50.00	158.33	5	225.00	712.50	2	150.00	475.00
Performance Grade Binder Verification	2	ea	1	225.00	337.50	0	100.00	150.00	1	75.00	112.50	4	100.00	150.00	2	150.00	225.00	1	100.00	150.00
AC Penetration Test	2	ea	1	75.00	112.50	1	50.00	75.00	1	75.00	112.50	2	22.00	33.00	2	80.00	120.00	2	80.00	120.00
Review Concrete/Asphalt Mix Design	4	ea	5	0.00	0.00	4	30.00	115.00	4	0.00	0.00	4	0.00	0.00	2	50.00	191.67	4	0.00	0.00
<b>TOTALS*</b>				<b>\$26,064.67</b>			<b>\$25,836.33</b>			<b>\$24,063.67</b>		<b>\$25,314.58</b>		<b>\$28,389.00</b>		<b>\$24,626.33</b>				

\* Actual Total Costs based on average quantities of all fee proposals opened

**Russell Rd., Russett, Redeemer, and Hewett - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	646	hrs	880	37.50	24,218.75	900	40.00	25,833.33	720	36.00	23,250.00	250	38.50	24,864.58	525	42.00	27,125.00	600	37.00	23,895.83
Technician Including Nuclear Densometer - Overtime	94	hrs	176	48.00	4,488.00	150	40.00	3,740.00	90	44.00	4,114.00	25	48.50	4,534.75	60	48.00	4,488.00	60	42.00	3,927.00
Technician Daily Mobilization	85	day	132	28.00	2,375.33	120	20.00	1,696.67	90	20.00	1,696.67	32	25.00	2,120.83	60	25.00	2,120.83	75	20.00	1,696.67
Additional Engineering Services	22	hrs	30	90.00	1,980.00	30	80.00	1,780.00	30	70.00	1,540.00	12	80.00	1,760.00	10	90.00	1,980.00	20	80.00	1,760.00
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	108	ea	164	10.00	1,081.67	100	12.00	1,298.00	155	11.00	1,189.83	50	10.00	1,081.67	100	12.00	1,298.00	80	11.00	1,189.83
Sieve Analysis	6	ea	6	60.00	350.00	6	60.00	350.00	4	60.00	350.00	4	59.00	344.17	10	80.00	466.67	5	60.00	350.00
Modified Proctor	5	ea	6	125.00	804.17	6	100.00	483.33	4	135.00	652.50	3	166.00	802.33	5	120.00	580.00	5	125.00	604.17
Extraction	12	ea	12	150.00	1,750.00	15	150.00	1,750.00	15	150.00	1,750.00	8	100.00	1,166.67	10	150.00	1,750.00	10	135.00	1,575.00
Marshall Mix Verification	4	ea	3	150.00	625.00	2	100.00	416.67	3	75.00	312.50	4	50.00	208.33	10	225.00	937.50	3	150.00	625.00
Performance Grade Binder Verification	2	ea	1	225.00	337.50	0	100.00	150.00	1	75.00	112.50	2	100.00	150.00	4	150.00	225.00	1	100.00	150.00
AC Penetration Test	2	ea	1	75.00	137.50	1	50.00	91.67	1	75.00	137.50	2	22.00	40.33	4	80.00	146.67	2	80.00	146.67
Review Concrete/Asphalt Mix Design	5	ea	5	0.00	0.00	4	30.00	140.00	5	0.00	0.00	4	0.00	0.00	5	50.00	233.33	5	0.00	0.00
<b>TOTALS*</b>				<b>\$37,947.92</b>			<b>\$37,709.67</b>			<b>\$35,105.50</b>		<b>\$37,073.67</b>		<b>\$41,351.00</b>		<b>\$35,920.17</b>				

\* Actual Total Costs based on average quantities of all fee proposals opened

**Pontiac Trail Improvements - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	830	hrs	1040	37.50	31,125.00	1050	40.00	33,200.00	840	38.00	29,880.00	800	38.50	31,955.00	450	42.00	34,860.00	800	37.00	30,710.00
Technician Including Nuclear Densometer - Overtime	117	hrs	208	48.00	5,624.00	200	40.00	4,688.67	105	44.00	5,155.33	80	48.50	5,682.58	30	48.00	5,624.00	80	42.00	4,921.00
Technician Daily Mobilization	112	day	156	28.00	3,131.33	140	20.00	2,236.67	105	20.00	2,236.67	100	25.00	2,795.83	50	25.00	2,795.83	120	20.00	2,236.67
Additional Engineering Services	32	hrs	35	90.00	2,880.00	35	80.00	2,560.00	35	70.00	2,240.00	40	80.00	2,560.00	7	90.00	2,880.00	40	80.00	2,560.00
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	151	ea	192	10.00	1,511.67	175	12.00	1,814.00	180	11.00	1,662.83	80	10.00	1,511.67	80	12.00	1,814.00	200	11.00	1,662.83
Sieve Analysis	5	ea	7	60.00	320.00	6	60.00	320.00	4	60.00	320.00	4	59.00	314.67	5	80.00	426.67	6	60.00	320.00
Modified Proctor	5	ea	7	125.00	666.67	6	100.00	533.33	4	135.00	720.00	4	166.00	885.33	5	120.00	640.00	6	125.00	666.67
Extraction	12	ea	16	150.00	1,825.00	15	150.00	1,825.00	18	150.00	1,825.00	4	100.00	1,216.67	5	150.00	1,825.00	15	135.00	1,642.50
Marshall Mix Verification	4	ea	2	150.00	550.00	2	100.00	366.67	3	75.00	275.00	6	50.00	183.33	5	225.00	825.00	4	150.00	550.00
Performance Grade Binder Verification	2	ea	2	225.00	375.00	0	100.00	166.67	1	75.00	125.00	2	100.00	166.67	3	150.00	250.00	2	100.00	166.67
AC Penetration Test	2	ea	1	75.00	150.00	1	50.00	100.00	1	75.00	150.00	4	22.00	44.00	3	80.00	160.00	2	80.00	160.00
Review Concrete/Asphalt Mix Design	5	ea	8	0.00	0.00	4	30.00	155.00	5	0.00	0.00	4	0.00	0.00	5	50.00	258.33	5	0.00	0.00
<b>TOTALS*</b>				<b>\$48,158.67</b>			<b>\$47,964.00</b>			<b>\$44,589.83</b>		<b>\$47,315.75</b>			<b>\$52,358.83</b>		<b>\$45,596.33</b>			

\* Actual Total Costs based on average quantities of all fee proposals opened

**Springwater Subdivision Improvements - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	544	hrs	720	37.50	20,387.50	750	40.00	21,746.67	600	38.00	19,572.00	232	38.50	20,931.17	480	42.00	22,834.00	480	37.00	20,115.67
Technician Including Nuclear Densometer - Overtime	82	hrs	144	48.00	3,936.00	140	40.00	3,280.00	75	44.00	3,608.00	25	48.50	3,977.00	80	48.00	3,936.00	48	42.00	3,444.00
Technician Daily Mobilization	75	day	108	28.00	2,109.33	100	20.00	1,506.67	75	20.00	1,506.67	29	25.00	1,883.33	80	25.00	1,883.33	60	20.00	1,506.67
Additional Engineering Services	20	hrs	27	90.00	1,830.00	30	80.00	1,626.67	25	70.00	1,423.33	15	80.00	1,626.67	10	90.00	1,830.00	15	80.00	1,626.67
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	115	ea	135	10.00	1,150.00	125	12.00	1,380.00	130	11.00	1,285.00	20	10.00	1,150.00	200	12.00	1,380.00	80	11.00	1,265.00
Sieve Analysis	5	ea	5	60.00	310.00	5	60.00	310.00	4	60.00	310.00	3	59.00	304.83	10	80.00	413.33	4	60.00	310.00
Modified Proctor	4	ea	5	125.00	541.67	5	100.00	433.33	4	135.00	585.00	3	166.00	719.33	5	120.00	520.00	4	125.00	541.67
Extraction	9	ea	12	150.00	1,400.00	10	150.00	1,400.00	12	150.00	1,400.00	6	100.00	933.33	10	150.00	1,400.00	6	135.00	1,260.00
Marshall Mix Verification	4	ea	2	150.00	575.00	2	100.00	383.33	3	75.00	287.50	4	50.00	191.67	10	225.00	862.50	2	150.00	575.00
Performance Grade Binder Verification	2	ea	1	225.00	337.50	0	100.00	150.00	1	75.00	112.50	2	100.00	150.00	4	150.00	225.00	1	100.00	150.00
AC Penetration Test	2	ea	1	75.00	137.50	1	50.00	91.67	1	75.00	137.50	2	22.00	40.33	4	80.00	146.67	2	80.00	146.67
Review Concrete/Asphalt Mix Design	5	ea	8	0.00	0.00	4	30.00	140.00	4	0.00	0.00	3	0.00	0.00	5	50.00	233.33	4	0.00	0.00
<b>TOTALS*</b>				<b>\$32,714.50</b>			<b>\$32,448.33</b>			<b>\$30,207.50</b>		<b>\$31,907.67</b>			<b>\$35,664.17</b>		<b>\$30,941.33</b>			

\* Actual Total Costs based on average quantities of all fee proposals opened

**Stone School Road Improvements - Fee Schedules & Estimated Quantities**

Item	Company		CTI			MTC			PSI			TTL			INTERRA			TEC		
	Ave. Quantity	Units	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*	Quant.	Unit Price	Ext.*
Technician Including Nuclear Densometer - Straight Time	1080	hrs	1600	37.50	40,512.50	1800	40.00	43,213.33	1250	36.00	38,892.00	872	38.50	41,592.83	560	42.00	45,374.00	400	37.00	39,972.33
Technician Including Nuclear Densometer - Overtime	166	hrs	320	48.00	7,968.00	300	40.00	6,640.00	156	44.00	7,304.00	90	48.50	8,051.00	90	48.00	7,968.00	40	42.00	6,972.00
Technician Daily Mobilization	154	day	240	28.00	4,316.67	300	20.00	3,083.33	156	20.00	3,083.33	109	25.00	3,854.17	70	25.00	3,854.17	50	20.00	3,083.33
Additional Engineering Services	39	hrs	68	90.00	3,495.00	75	80.00	3,106.67	30	70.00	2,118.33	30	80.00	3,106.67	15	90.00	3,495.00	15	80.00	3,106.67
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	168	ea	150	10.00	1,683.33	300	12.00	2,020.00	220	11.00	1,851.67	140	10.00	1,683.33	120	12.00	2,020.00	80	11.00	1,851.67
Sieve Analysis	7	ea	10	60.00	440.00	10	60.00	440.00	6	60.00	440.00	4	59.00	432.67	10	80.00	586.67	4	60.00	440.00
Concrete Flexural Testing/ Early Strength Beam Break	16	ea	10	20.00	313.33	15	25.00	391.67	20	31.50	493.50	40	20.00	313.33	5	120.00	1,880.00	4	152.00	2,361.33
Modified Proctor Test	8	ea	10	125.00	1,041.67	10	100.00	833.33	6	135.00	1,125.00	4	165.00	1,383.33	12	150.00	1,250.00	8	135.00	1,125.00
Extraction and Gradation Testing	11	ea	16	195.00	2,145.00	10	150.00	1,650.00	20	150.00	1,650.00	6	125.00	1,375.00	12	225.00	2,475.00	2	150.00	1,650.00
MDOT HMA Superpave Mix Verification*	4	ea	4	150.00	600.00	10	100.00	400.00	3	400.00	1,600.00	2	50.00	200.00	4	150.00	600.00	1	100.00	400.00
Performance Grade Binder Verification	3	ea	4	225.00	562.50	0	100.00	250.00	1	75.00	187.50	4	100.00	250.00	4	80.00	200.00	2	80.00	200.00
Review Concrete/Asphalt Mix Design	5	ea	8	0.00	0.00	4	30.00	160.00	6	0.00	0.00	4	0.00	0.00	6	50.00	266.67	4	0.00	0.00
<b>TOTALS*</b>				<b>\$63,078.00</b>			<b>\$62,188.33</b>			<b>\$59,345.33</b>		<b>\$62,242.33</b>		<b>\$69,969.50</b>		<b>\$61,182.33</b>				

\* Actual Total Costs based on average quantities of all fee proposals opened

	Quant	Unit Price	Price Ext
CTI Proposed and Added Asphalt Cement Penetration Test to RFP	2	75	\$ 150.00

### **Miscellaneous Construction Projects - Fee Schedules**

Item	Units	CTI	MTC	PSI	TEC	TTL
Technician Including Nuclear Densometer - Straight Time	hrs	40.00	40.00	36.00	37.00	38.50
Technician Including Nuclear Densometer - Overtime	hrs	60.00	40.00	44.00	42.00	48.50
Technician Daily Mobilization	day	60.00	20.00	20.00	20.00	25.00
Additional Engineering Services	hrs	100.00	80.00	70.00	80.00	80.00
Concrete Cylinder Mold, Cure, Pickup & Compressive Strength	ea	15.00	12.00	11.00	11.00	10.00
Sieve Analysis	ea	85.00	60.00	60.00	60.00	59.00
Modified Proctor	ea	165.00	100.00	135.00	125.00	166.00
Extraction	ea	190.00	150.00	150.00	135.00	100.00
Marshall Mix Verification	ea	135.00	100.00	75.00	150.00	50.00
Performance Grade Binder Verification	ea	475.00	100.00	75.00	100.00	100.00
AC Penetration Test	ea	85.00	50.00	75.00	80.00	22.00
Review Concrete/Asphalt Mix Design	ea	90.00	30.00	0.00	0.00	0.00

\*Prices for Miscellaneous Construction projects are quoted higher than other projects