

TOWN OF MANCHESTER  
GENERAL SERVICES DEPARTMENT  
494 MAIN STREET - P.O. BOX 191  
MANCHESTER, CONNECTICUT 06045-0191

TABULATION FOR BID  
MATERIAL TESTING SERVICES & SPECIAL INSPECTOR COORDINATOR  
BUCKLEY ELEMENTARY SCHOOL - STATE PROJECT NO 077-0240RNV

BID OPENED JULY 7, 2021 AT 11:30 AM

ATANE Engineers P.C. Quaiser Hasmi, Pres/CEO 100 Great Meadow Rd, St 500 Wethersfield, CT 06109	Coastal Materials Testing Lab, LLC Patricia B. Libero, Mktg/Sales Mgr. 10 Hart Street West Haven, CT 06516	Independent Materials Testing Laboratories, Inc. David P. Aiudi, President 57 No. Washington Street PO Box 745 Plainville, CT 06062	New England Materials Testing Lab LLC Ali Chaudhary, Principal 72 Bissell Street Manchester, CT 06040	Test-Con Incorporated Chin Okwuka, President 16 East Franklin Street Danbury, CT 06810	Tri State Materials Testing Lab, LLC Habib A. Chaudhary, P.G. Principal 60 Woodlawn Road Berlin, CT 06037
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DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>FIELD SOILS SERVICES</b>														
Inspection of placement & compaction incl. unlmtd. Inplace density tests or sampling (ASTM D6938)	10	1/2 day	120.00	1,200.00	260.00	2,600.00	160.00	1,600.00	70.00	700.00	129.00	1,290.00	110.00	1,100.00
	2	full day	240.00	480.00	410.00	820.00	260.00	520.00	135.00	270.00	205.00	410.00	180.00	360.00
<b>LABORATORY SOILS SERVICES</b>														
Mechanical Analysis ASTM D6913	3	each	75.00	225.00	100.00	300.00	80.00	240.00	40.00	120.00	50.00	150.00	45.00	135.00
#200 Sieve Wash	3	each	30.00	90.00	115.00	345.00	0.00	0.00	15.00	45.00	10.00	30.00	15.00	45.00
Modified Proctor Tests ASTM D15575	3	each	90.00	270.00	125.00	375.00	90.00	270.00	40.00	120.00	60.00	180.00	55.00	165.00
Atterberg Limits (Liquid/Plastic Limits)	1	each	95.00	95.00	175.00	175.00	60.00	60.00	65.00	65.00	30.00	30.00	85.00	85.00
L.A. Abrasion	1	each	300.00	300.00	250.00	250.00	150.00	150.00	70.00	70.00	95.00	95.00	125.00	125.00
<b>INSPECTOR SOILS SERVICES</b>														
Inspect removal of unsuitable fill & preparation prior to placement of controlled fill, & placement, lift thickness and compaction of controlled fill by PE/GE	1	1/2 day	500.00	500.00	360.00	360.00	900.00	900.00	110.00	110.00	475.00	475.00	160.00	160.00
	1	full day	1,000.00	1,000.00	560.00	560.00	1,800.00	1,800.00	170.00	170.00	1.00	1.00	210.00	210.00
Inspect removal of unsuitable fill & preparation prior to placement of controlled fill, & placement, lift thickness and compaction of controlled fill by Senior Soil Technician	2	1/2 day	300.00	600.00	300.00	600.00	350.00	700.00	80.00	160.00	295.00	590.00	145.00	290.00
	1	full day	600.00	600.00	475.00	475.00	700.00	700.00	150.00	150.00	295.00	295.00	200.00	200.00
<b>BITUMINOUS PAVING</b>														
Inspection of placement & compaction (CT DOT Form 817 Section 4.06.03, sections 4&5. Includes monitoring at time of placement.	2	1/2 day	120.00	240.00	500.00	1,000.00	160.00	320.00	80.00	160.00	120.00	240.00	145.00	290.00
	2	full day	240.00	480.00	750.00	1,500.00	260.00	520.00	160.00	320.00	235.00	470.00	235.00	470.00
Asphalt Thickness by coring per day	1	1/2 day	500.00	500.00	700.00	700.00	1,200.00	1,200.00	130.00	130.00	975.00	975.00	410.00	410.00
Core thickness testing (each core)	8	each	75.00	600.00	25.00	200.00	15.00	120.00	40.00	320.00	45.00	360.00	10.00	80.00
<b>CONCRETE FIELD SERVICES</b>														
Placement monitoring & testing of the slump, air & temp. incl. making & curing test cylinders (4) truck time & trans. of cylinders to lab for testing. Verification of curing & cold weather/hot weather protectio procedures.	20	1/2 day	120.00	2,400.00	260.00	5,200.00	110.00	2,200.00	70.00	1,400.00	105.00	2,100.00	135.00	2,700.00
	4	full day	240.00	960.00	475.00	1,900.00	220.00	880.00	140.00	560.00	1.00	4.00	195.00	780.00
<b>LABORATORY CONCRETE SERVICES</b>														
Curing & testing of 5 cylinder specimen set (ASTM C31&C39) Incl. immediate notification of low test results w/report processing & distribution.	30	each	12.00	360.00	15.00	450.00	11.00	330.00	8.00	240.00	125.00	3,750.00	45.00	1,350.00
Curing & testing each additional cylinder beyond the five cylinders per specimen set.	1	each	12.00	12.00	15.00	15.00	11.00	11.00	7.00	7.00	14.00	14.00	9.00	9.00
<b>REINFORCING STEEL INSPECTION</b>														
Inspection of concrete reinforcement, anchor bolts & form-work to verify compliance w/plans & specifications.	8	1/2 day	200.00	1,600.00	220.00	1,760.00	60.00	480.00	60.00	480.00	160.00	1,280.00	115.00	920.00
	1	full day	400.00	400.00	410.00	410.00	280.00	280.00	--	--	1.00	1.00	1.00	1.00
<b>COMBINATION OF REINFORCING STEEL AND CONCRETE INSPECTION</b>														
Combination of reinforcing steel inspection & complete field services	8	1/2 day	200.00	1,600.00	340.00	2,720.00	160.00	1,280.00	90.00	720.00	198.00	1,584.00	145.00	1,160.00
	1	full day	400.00	400.00	590.00	590.00	260.00	260.00	150.00	150.00	315.00	315.00	220.00	220.00
<b>FIELD MASONRY INSPECTION</b>														
Inspect all aspects of masonry incl. placement, mortar, grout, reinforcement, joints, weather protection, anchors/ties and production of samples & transportation to lab for testing	8	1/2 day	160.00	1,280.00	220.00	1,760.00	160.00	1,280.00	90.00	720.00	165.00	1,320.00	135.00	1,080.00
	2	full day	280.00	560.00	410.00	820.00	260.00	520.00	160.00	320.00	298.00	596.00	200.00	400.00
<b>LABORATORY MASONRY SERVICES</b>														
Compression testing of masonry prisms (ASTM C1314)	8	each	250.00	2,000.00	175.00	1,400.00	65.00	520.00	12.00	96.00	15.00	120.00	55.00	440.00
Compression of concrete masonry units (ASTM C140)	8	each	75.00	600.00	35.00	280.00	65.00	520.00	10.00	80.00	12.00	96.00	40.00	320.00
Compression testing of mortar (ASTM C780, Annex A6)	4	each	12.00	48.00	14.00	56.00	11.00	44.00	7.00	28.00	30.00	120.00	9.00	36.00
Fabrication and testing of grout prisms & cylinders (ASTM C1019 & C39)	4	each	12.00	48.00	30.00	120.00	14.00	56.00	9.00	36.00	29.00	116.00	15.00	60.00
Brick Test (ASTM C67)	2	each	150.00	300.00	95.00	190.00	75.00	150.00	11.00	22.00	35.00	70.00	55.00	110.00
<b>STRUCTURAL STEEL AND WELDING INSPECTION</b>														
Inspect & verify conformance of material certification, steel erection, plumbness, bolted connections & shear connectors with specifications. Inspect welding & side lap fastening of metal roof and floor deck	10	1/2 day	300.00	3,000.00	330.00	3,300.00	325.00	3,250.00	260.00	2,600.00	298.00	2,980.00	260.00	2,600.00
	1	full day	600.00	600.00	530.00	530.00	325.00	325.00	--	--	525.00	525.00	390.00	390.00
Inspect & verify shop & field welding operations incl. visual inspections, magnetic particle testing, size/length of fillet welds and pre-heat, post-heat and surface prep betw passes	4	1/2 day	300.00	1,200.00	330.00	1,320.00	325.00	1,300.00	--	--	275.00	1,100.00	260.00	1,040.00
	1	full day	600.00	600.00	530.00	530.00	325.00	325.00	--	--	1.00	1.00	380.00	380.00
Perform ultrasonic testing of full penetration shop and/or field welds or magnetic particle testing	4	1/2 day	300.00	1,200.00	450.00	1,800.00	425.00	1,700.00	280.00	1,120.00	315.00	1,260.00	300.00	1,200.00
	1	full day	600.00	600.00	690.00	690.00	450.00	450.00	--	--	575.00	575.00	390.00	390.00
Special inspector fabricating shop & quality control procedures inspection, material certification review and steel framing compliance review.	8	per hour	90.00	720.00	85.00	680.00	125.00	1,000.00	--	--	79.00	632.00	70.00	560.00
<b>COLD-FORMED STEEL FRAMING</b>														
Inspect & verify member sizes, material thickness, mat. prop., mech. Connections & framing details	8	1/2 day	300.00	2,400.00	390.00	3,120.00	325.00	2,600.00	160.00	1,280.00	265.00	2,120.00	220.00	1,760.00
	1	full day	600.00	600.00	675.00	675.00	325.00	325.00	--	--	485.00	485.00	1.00	1.00
Special inspector review of material properties, mechanical connections and framing details.	16	per hour	90.00	1,440.00	125.00	2,000.00	125.00	2,000.00	--	--	79.0000	1,264.00	65.00	1,040.00
<b>SPRAY APPLIED FIRE RESISTANT MATERIAL</b>														
Spray fireproofing inspection and review per Statement of Special Inspections incl. Density sampling and testing	4	1/2 day	200.00	800.00	275.00	1,100.00	170.00	680.00	80.00	320.00	165.0000	660.00	155	620.00
	1	full day	400.00	400.00	460.00	460.00	270.00	270.00	--	--	320.0000	320.00	1	1.00
Adhesion Testing per ASTM E736 (consumables per test)	8	per	50.00	400.00	50.00	400.00	20.00	160.00	15.00	120.00	35.0000	280.00	25	200.00
<b>MULTI-DISCIPLINE INSPECTION SERVICES</b>														
Qualified technician to perform field soils, bituminous paving, concrete, rebar & masonry inspections, samplings, & tests	8	1/2 day	200.00	1,600.00	350.00	2,800.00	170.00	1,360.00	120.00	960.00	315.0000	2,520.00	155	1,240.00
	1	full day	400.00	400.00	600.00	600.00	270.00	270.00	270.00	270.00	515.0000	515.00	255	255.00
<b>MATERIALS TESTING SUB TOTAL</b>				<b>35,708.00</b>		<b>47,936.00</b>		<b>33,926.00</b>		<b>14,439.00</b>		<b>32,314.00</b>		<b>25,388.00</b>
<b>GENERAL ENGINEERING SERVICES (unit price)</b>														
Professional Engineer (Special Inspector)	0	per hour	125.00		155.00		125.00		60.00		105.00		110	
Geotechnical Engineer PD	0	per hour	150.00		135.00		225.00		70.00		105.00		98	
<b>SPECIAL INSPECTION COORDINATOR</b>														
(Special Inspector)		lump sum		0.00		15,000.00		10,800.00		1,200.00		4,650.00		5,320.00
<b>TOTAL</b>				<b>\$ 35,708.00</b>		<b>\$ 62,936.00</b>		<b>\$ 44,726.00</b>		<b>\$ 15,639.00</b>		<b>\$ 36,964.00</b>		<b>\$ 30,708.00</b>