REQUEST FOR QUOTATIONS Stadium Firewall Replacement

FOR CAPITAL IMPROVEMENT TO U.S. BANK STADIUM
IN MINNEAPOLIS, MINNESOTA

October 2, 2020

A. Project Background and Objectives

In 2012, the State of Minnesota enacted 2012 Minnesota Laws, Chapter 299 (the "Act"), to establish the Minnesota Sports Facilities Authority ("Authority") and to provide for the construction, financing, and long-term use of a new stadium now known as U.S. Bank Stadium (the "Stadium") and related stadium infrastructure (the "Stadium Infrastructure") as a venue for professional football and a broad range of other civic, community, athletic, educational, cultural and commercial activities.

As set forth in the Act, the Authority may make capital improvements to design, development and construction of the Stadium and the Stadium Infrastructure, and the certain capital improvements that that Authority is soliciting in this Request for Proposal ("RFP") shall be referred to in this RFP as the "Project". To that end, the Authority has prepared this RFP for the and Stadium Firewall Replacement. Those who respond to this RFP shall be referred to as "Proposers".

The Project is located at the Stadium. The Specification Documents identifying and indicating the scope of the Project are also incorporated within this RFP as **Exhibit 1**. The Project must be completed by Thursday December 31, 2020 (the "Required Completion Date"), but preferably during one of the earlier open windows during the current Vikings NFL football schedule (to be determined based on available resources).

The successful Proposer to the RFP will provision all required hardware, software and cabling for delivery and installation in the stadium data center, configure and test all new equipment, clean up and prepare as built documentation for the Stadium Firewall Replacement project.

B. Intent and Process of the Request for Proposals

This RFP is focused on the selection of a Proposer who will provide the best value to the Authority.

Proposers should have experience in firewall installation similar to those that are the subject of this RFP. It is the desire of the Authority to consider as part of its selection criteria the commitment of the Proposer to exert good faith efforts to comply with the plan of the Authority to ensure equitable opportunities for Minority Owned Business Enterprises ("MBE") and Women Owned Business Enterprises ("WBE") to participate in the Project.

The Authority has developed an Equity Plan and each Proposer should provide details describing how they will optimize the participation and utilization of appropriate workforce, MBEs and WBEs in the Proposers' performance of the Stadium Firewall Replacement.

MBEs and WBEs that are interested in acting as the Proposers for the Project are encouraged to respond to the RFP.

C. Scope of the Project Requirements

Please see Exhibit 1 for project requirements.

D. <u>Requested Qualifications</u>

The Authority reserves the right and discretion to determine the qualifications and responsibility of the Proposers to perform the work and services that are the subject of the RFP. It is the request and intent of the Authority that Proposers responding to the RFP have the following qualifications.

- Experience history with firewall installations similar to the Stadium Firewall Replacement project.
- Ability to provide all required installation, coordination and ongoing support services
- Ability to coordinate and complete the removal of existing firewall infrastructure

E. RFP Timeline

Please note that due to the Covid-19 pandemic, the below RFP timeline is subject to change at any time.

Advertise and issue Request for Quotations

Questions Due

Quotations Due

October 2, 2020

October 16, 2020

October 19, 2020 by 5PM

Project Completion

December 31, 2020

By submitting a Quotation, the Proposer affirms that this timeline can be met.

F. Proposer Qualifications

The following items shall be included in a Proposal executive summary:

- Proposer's name and address of office that would have central responsibility for the work. Identify the business form of Proposer. If the proposed form of entity is a joint venture, please identify each joint venture participant and their respective percentage of ownership.
- Provide a summary, on one page or less, describing why the Proposer is the most qualified to be the Provider for the Project.

- Proposer agrees that if it is proposing any services including installation work, it shall obtain worker's compensation insurance, vehicle insurance, and any other insurance required by applicable law or regulation. Proposer also agrees that it shall maintain commercial general liability insurance in commercially reasonable amounts, and that proposer shall provide upon request a certificate of insurance evidencing such coverage and additional insured status as requested.
- Proposer must indicate shipping freight time within the proposal.
- Exhibit 1 Scope and Specification Documents. See Scope and Site Documents.
- Exhibit 2 <u>Proposal Scope of Services and Pricing Information</u>. The Proposer will provide a.) a detailed description of all services, labor, labeling, testing and documentation preparation included in the proposal as required for a turn key installation, and b.) a detailed listing of all equipment, installation materials, licenses, connecting devices and misc. components included in the proposal as required for a turn key installation.
- Exhibit 3 Equity Plan Targeted Business Commitment and Information Form. Proposer must complete and provide both the Targeted Business Commitment and Information Forms with the proposal.

G. Quotations

Due to the Covid-19 pandemic and the potential change in project completion date, the MSFA is requesting that all quotes be valid and honored for six (6) months.

Quotations are due by October 19, 2020. One electronic copy and three bound copies of each quote and should be enclosed in a sealed envelope addressed to:

The Minnesota Sports Facilities Authority Attention: James Farstad 1005 4th Street South Minneapolis, Minnesota 55415

The electronic copy should be sent via email to the following people:

James Farstad: james.farstad@msfa.com

David Kingsbury: dkingsbury@usbankstadium.com
Elizabeth Proeitz: elizabeth.proeitz@msfa.com

Questions or Inquiries. All questions must be submitted via email by October 16, 2020 to:

James Farstad at james.farstad@msfa.com
Elizabeth Proeitz: Elizabeth.proeitz@msfa.com
David Kingsbury: dkingsbury@usbankstadium.com

H. Minnesota Government Data Practices

All Quotations are eventually subject to the Minnesota Government Data Practices Act, Minn. Statutes, Chapter 13, but the Act prohibits disclosure of any information derived from Quotations submitted by competing Proposers, and the content of all Quotations is nonpublic data under Chapter 13 until such time as notice to award a contract to the successful Proposer is given by the Authority. Proposers shall note with their Quotation any data in their Quotation that they consider proprietary information or otherwise private and confidential.

I. Prevailing Wages

Pursuant to Minn. Stat. 177.41 to 177.44, and corresponding Minnesota Rules 5200.1000 to 5200.1120, the contract contemplated by this RFQ is subject to the prevailing wages as established by the Minnesota Department of Labor and Industry. Specifically, all contractors and subcontractors must pay all laborers and mechanics the established prevailing wages for work performed under the contract. Failure to comply with the aforementioned may result in civil or criminal penalties.

The then-current applicable prevailing wages shall be incorporated into the contract contemplated by this RFQ. Current prevailing wage amounts for Hennepin County are set forth at the website for the Minnesota Department of Labor and Industry.

J. Project Labor Agreement

The Proposer will need to agree to accept and be bound by the Project Labor Agreement, a copy of which is attached hereto as Attachment A.

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EXHIBIT 1

Scope and Specification Documents

The successful Proposer to the RFP will provision all required hardware, software and cabling for delivery and installation in the stadium data center, configure and test all new equipment, clean up and prepare as built documentation for the Stadium Firewall Replacement project.

The network at U.S. Bank Stadium utilizes a Cisco infrastructure with Nexus 7K cores, a cluster of three Cisco ASA 5585 firewalls, six 10GB data connections to the outside world in a BGP configuration (4 from WIN, 2 from CenturyLink) and Cisco 6880 border routers:

Internet CenturyLink WIN AS 209 AS 11796 Minneapolis Madison Minneapolis AS 395296 207.229.79.0/24 WAN-6880-B WAN-6880-A **VLAN 997** ASA 5525 HA Client VPN ASA-A ASA-C ASA-B **ASA 5585 Cluster FirePOWER** Cluster Control Cluster Inside **VLAN 999** N7K-CORE-A N7K-CORE-B

US Bank Stadium Core Infrastructure LLD

The scope of this project includes architecting a replacement for the 5585 cluster that provides enough bandwidth to support secure stadium operations, high availability, transfer of existing Cisco AnyConnect VPN environment and at least five years of expected lifecycle operation. Proposed solutions should include a minimum of 30GB of throughput, hot spare and VPN

functionality, security subscription for the life of the firewall and annual hardware maintenance for all devices (prefer Cisco Firepower 4145 or similar in high availability configuration).

All brackets and rack mounting materials and labor must be included within the scope of the proposal.

The scope of this project should also include hardware and software warranties for a minimum of one year.

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EXHIBIT 2 (Part 1 of 2)

Proposal Scope of Services and Pricing Information

Proposer:
Proposer Address:
Proposer Phone Number:
Contact Name:
Proposer Email Address:
Scope of Labor and Services
Please provide a detailed description of all services, labor, labeling, testing and documentation preparation
included in the proposal as required for a turn key installation.

EXHIBIT 2 (Part 2 of 2)

Proposal Scope of Services and Pricing Information

Proposer:						
Proposer Addre	ss:					
Proposer Phone	Number:					
Contact Name:						
Proposer Email	Address:					
				T		1
Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Hardware						
Software						
Licensing						
Maintenance						
Subscriptions (if						
any)						
Training						
Miscellaneous						
Freight						
Labor						
Minnesota State						
Tax (6.875%)						
Total						
The MSFA would prefer costs by categories liste						
Signature:						
Date:						

EXHIBIT 3

Proposer Company Name: Check ONE of the following:No Targeted BusinessThe following Targete	participati		mitted on this project VBE) participation is committed	on this project:		
Firm Name (Legal business name used for Targeted Business certification)	WBE (Chec	MBE k one)	How will firm participate? (subcontractor, consortium, joint venture)	Description of work	Estimated dollar value of participation	Estimated percentage of total bid
ARGETED BUSINESSES WH	IO WERE CO	ONSIDER	ED BUT WERE NOT SELECTED:	Total WBE %	Total MBE %	
Firm Name			Address	Telephone Number		
on behalf of the proposer iden	ntified below	, I certify t	hat the information provided in thi	s form is true and correct.		
roposer Name:		•	·			
ignature:			Date:			
Name:			Title:			



THIS NOTICE MUST BE POSTED ON THE JOBSITE IN A CONSPICUOUS PLACE

Construction Type: Commercial

County Number: 27

County Name: HENNEPIN

Effective: 2019-12-16

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate.

Violations should be reported to:

Department of Labor and Industry Prevailing Wage Section 443 Lafayette Road N St Paul, MN 55155 (651) 284-5091 DLI.PrevWage@state.mn.us

County: HENNEPIN (27)

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
LABORERS (101 - 112) (SPECIAL CR	AFTS 701 - 730)				
101	LABORER, COMMON (GENERAL LABOR WORK)	2019-12-16	35.41	20.44	55.85
		2020-05-01	36.66	21.24	57.90
102	LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)	2019-12-16	35.41	20.44	55.85
		2020-05-01	36.66	21.24	57.90
103	LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)	2019-12-16	24.00	16.96	40.96
104	FLAG PERSON	2019-12-16	35.41	20.44	55.85
		2020-05-01	36.66	21.24	57.90
105*	WATCH PERSON	2019-12-16	30.48	19.29	49.77

^{*} Indicates that adjacent county rates were used for the labor class listed.

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
106*	BLASTER	2019-12-16	35.11	19.64	54.75
107	PIPELAYER (WATER, SEWER AND GAS)	2019-12-16	35.30	20.44	55.74
108	TUNNEL MINER	2019-12-16	33.50	20.44	53.94
109	UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)	2019-12-16	33.50	20.44	53.94
110	SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS; PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSTAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.	2019-12-16	35.41	20.44	55.85
		2020-05-01	36.66	21.24	57.90
111	TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE)	2019-12-16	35.41	20.44	55.85
		2020-05-01	36.66	21.24	57.90
SPECIAL EQUIPMENT (201 - 204)					
201*	ARTICULATED HAULER	2019-12-16	38.13	20.30	58.43
202	BOOM TRUCK	2019-12-16	38.13	20.30	58.43
203	LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS	2019-12-16	24.00	16.96	40.96

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
204*	OFF-ROAD TRUCK	2019-12-16	37.83	18.65	56.48
205	PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS.	2019-12-16	37.05	19.39	56.44
HIGHWAY/HEAVY POWER EQUIP	MENT OPERATOR				
GROUP 2		2019-12-16 2020-05-01	38.64 39.49	20.50 21.40	59.14 60.89
306	GRADER OR MOTOR PATROL	2020-03-01	39.49	21.40	00.89
308	TUGBOAT 100 H.P. AND OVER WHEN L	ICENSE REOUIRED	(HIGHWAY ANI	O HEAVY ONLY)	
				,	
GROUP 3 *		2019-12-16	38.09	20.50	58.59
309	ASPHALT BITUMINOUS STABILIZER P	LANT			
310	CABLEWAY				
312	DERRICK (GUY OR STIFFLEG)(POWER)	(SKIDS OR STATIO	NARY) (HIGHWA	AY AND HEAVY O	NLY)
314	DREDGE OR ENGINEERS, DREDGE (PO	WER) AND ENGINE	ER		
316	LOCOMOTIVE CRANE OPERATOR				
320	TANDEM SCRAPER				
322	TUGBOAT 100 H.P AND OVER (HIGHWA	AY AND HEAVY ON	NLY)		
GROUP 4		2019-12-16	37.79	20.50	58.29
GROOF I		2020-05-01	38.64	21.40	60.04
323	AIR TRACK ROCK DRILL				
324	AUTOMATIC ROAD MACHINE (CMI OR	R SIMILAR) (HIGHW	AY AND HEAVY	ONLY)	
325	BACKFILLER OPERATOR				
327	BITUMINOUS ROLLERS, RUBBER TIRE	D OR STEEL DRUM	MED (EIGHT TO	NS AND OVER)	
328	BITUMINOUS SPREADER AND FINISHI AND MICRO SURFACING, OR SIMILAR				RO SURFACING
329	BROKK OR R.T.C. REMOTE CONTROL O	OR SIMILAR TYPE V	WITH ALL ATTA	CHMENTS	
330	CAT CHALLENGER TRACTORS OR SIM SCRAPERS	IILAR TYPES PULLI	NG ROCK WAGO	ONS, BULLDOZER	S AND
331	CHIP HARVESTER AND TREE CUTTER				
332	CONCRETE DISTRIBUTOR AND SPREA MACHINE, AND SPRAY MACHINE	DER FINISHING MA	ACHINE, LONGIT	UDINAL FLOAT, J	OINT
334	CONCRETE MOBIL (HIGHWAY AND HE	EAVY ONLY)			
335	CRUSHING PLANT (GRAVEL AND STO	NE) OR GRAVEL W	ASHING, CRUSH	ING AND SCREEN	ING PLANT

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE			
336	CURB MACHINE							
337	DIRECTIONAL BORING MACHINE							
338	DOPE MACHINE (PIPELINE)							
340	DUAL TRACTOR							
341	ELEVATING GRADER							
345	GPS REMOTE OPERATING OF EQUIPME	ENT						
347	HYDRAULIC TREE PLANTER							
348	LAUNCHER PERSON (TANKER PERSON	OR PILOT LICENS	E)					
349	LOCOMOTIVE (HIGHWAY AND HEAVY	(ONLY)						
350	MILLING, GRINDING, PLANNING, FINE	GRADE, OR TRIMN	MER MACHINE					
352	PAVEMENT BREAKER OR TAMPING M.	ACHINE (POWER D	RIVEN) MIGHTY	MITE OR SIMILA	AR TYPE			
354	PIPELINE WRAPPING, CLEANING OR B	ENDING MACHINE						
356	POWER ACTUATED HORIZONTAL BOR	RING MACHINE, OV	ER SIX INCHES					
357	PUGMILL							
359	RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)							
360	SCRAPER							
361	SELF-PROPELLED SOIL STABILIZER							
362	SLIP FORM (POWER DRIVEN) (PAVING)						
363	TIE TAMPER AND BALLAST MACHINE							
365	TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)							
367	TUB GRINDER, MORBARK, OR SIMILAI	R TYPE						
GROUP 5 *		2019-12-16	34.75	20.50	55.25			
		2020-05-01	35.60	21.40	57.00			
370	BITUMINOUS ROLLER (UNDER EIGHT	TONS)						
371	CONCRETE SAW (MULTIPLE BLADE) (I	POWER OPERATED)					
372	FORM TRENCH DIGGER (POWER)							
375	HYDRAULIC LOG SPLITTER							
376	LOADER (BARBER GREENE OR SIMILA	AR TYPE)						
377	POST HOLE DRIVING MACHINE/POST I	HOLE AUGER						
379	POWER ACTUATED JACK							
381	SELF-PROPELLED CHIP SPREADER (FL	AHERTY OR SIMIL	AR)					
382	SHEEP FOOT COMPACTOR WITH BLAD	DE . 200 H.P. AND OV	VER					
383	SHOULDERING MACHINE (POWER) AP CHIP SPREADER	SCO OR SIMILAR T	YPE INCLUDING	SELF-PROPELLE	ED SAND AND			
384	STUMP CHIPPER AND TREE CHIPPER							
385	TREE FARMER (MACHINE)							
GROUP 6 *		2019-12-16	20.95	6.76	27.71			

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE			
387	CAT, CHALLENGER, OR SIMILAR TYPE	OF TRACTORS, WI	HEN PULLING DI	ISK OR ROLLER				
389	DREDGE DECK HAND							
391	GRAVEL SCREENING PLANT (PORTABI	LE NOT CRUSHING	OR WASHING)					
393	LEVER PERSON							
395	POWER SWEEPER							
396	SHEEP FOOT ROLLER AND ROLLERS OF	N GRAVEL COMPA	CTION, INCLUD	ING VIBRATING R	OLLERS			
397	TRACTOR, WHEEL TYPE, OVER 50 H.P.,	UNRELATED TO L	ANDSCAPING					
	WE ONLY LIKE							
COMMERCIAL POWER EQUIPMEN	T OPERATOR							
GROUP 1		2019-12-16	43.59	20.55	64.14			
		2020-05-01	44.44	21.70	66.14			
501	HELICOPTER PILOT (COMMERCIAL CONSTRUCTION ONLY)							
502	TOWER CRANE 250 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)							
503	TRUCK CRAWLER CRANE WITH 200 FE CONSTRUCTION ONLY)	ET OF BOOM AND	OVER, INCLUDII	NG JIB (COMMERO	CIAL			
GROUP 2		2019-12-16	43.25	20.55	63.80			
		2020-05-01	44.10	21.70	65.80			
504	CONCRETE PUMP WITH 50 METERS/164 ONLY)	FEET OF BOOM A	ND OVER (COM	MERCIAL CONSTR	UCTION			
505	PILE DRIVING WHEN THREE DRUMS IN	USE (COMMERCIA	AL CONSTRUCTI	ON ONLY)				
506	TOWER CRANE 200 FEET AND OVER (C	OMMERCIAL CONS	STRUCTION ONI	LY)				
507	TRUCK OR CRAWLER CRANE WITH 150 INCLUDING JIB (COMMERCIAL CONSTI		P TO AND NOT I	NCLUDING 200 FE	ET,			
GROUP 3		2019-12-16	41.84	20.55	62.39			
		2020-05-01	42.69	21.70	64.39			
508	ALL-TERRAIN VEHICLE CRANES (COM	MERCIAL CONSTR	UCTION ONLY)					
509	CONCRETE PUMP 32-49 METERS/102-16-	4 FEET (COMMERC	IAL CONSTRUC	TION ONLY)				

501	HELICOPTER PILOT (COMMERCIAL CONSTRUCTION ONLY)							
502	TOWER CRANE 250 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)							
503	TRUCK CRAWLER CRANE WITH 200 FEET OF BOOM AND OVER, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)							
GROUP 2		2019-12-16	43.25	20.55	63.80			
		2020-05-01	44.10	21.70	65.80			
504	CONCRETE PUMP WITH 50 METERS/164 ONLY)	4 FEET OF BOOM AND OVE	R (COMMERCIAL	CONSTRUCTION				
505	PILE DRIVING WHEN THREE DRUMS IN	N USE (COMMERCIAL CONS	STRUCTION ONLY	.)				
506	TOWER CRANE 200 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)							
507	TRUCK OR CRAWLER CRANE WITH 150 FEET OF BOOM UP TO AND NOT INCLUDING 200 FEET, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)							
GROUP 3		2019-12-16	41.84	20.55	62.39			
		2020-05-01	42.69	21.70	64.39			
508	ALL-TERRAIN VEHICLE CRANES (COM	IMERCIAL CONSTRUCTION	ONLY)					
509	CONCRETE PUMP 32-49 METERS/102-16	4 FEET (COMMERCIAL CO	NSTRUCTION ONI	. Y)				
510	DERRICK (GUY & STIFFLEG) (COMMER	RCIAL CONSTRUCTION ON	LY)					
511	STATIONARY TOWER CRANE UP TO 20	00 FEET						
512	SELF-ERECTING TOWER CRANE 100 FE CONSTRUCTION ONLY)	EET AND OVER MEASURED	FROM BOOM FO	OT PIN (COMMER	CIAL			
513	TRAVELING TOWER CRANE (COMMER	CIAL CONSTRUCTION ONI	LY)					
514	TRUCK OR CRAWLER CRANE UP TO AN (COMMERCIAL CONSTRUCTION ONLY		ET OF BOOM, INC	LUDING JIB				
GROUP 4		2019-12-16	41.50	20.55	62.05			
		2020-05-01	42.35	21.70	64.05			
515	CRAWLER BACKHOE INCLUDING ATTACHMENTS (COMMERCIAL CONSTRUCTION ONLY)							

LABOR CODE AND CLASS		EFFECT DATE BAS	SIC RATE FRING	GE RATE TO	ΓAL RATE			
516	FIREPERSON, CHIEF BOILER LICENSE (COMMERCIAL CONSTR	UCTION ONLY)					
517	HOIST ENGINEER (THREE DRUMS OR MORE) (COMMERCIAL CONSTRUCTION ONLY)							
518	LOCOMOTIVE (COMMERCIAL CONSTR	UCTION ONLY)						
519	OVERHEAD CRANE (INSIDE BUILDING	G PERIMETER) (COMMER	CIAL CONSTRUCT	TION ONLY)				
520	TRACTOR . BOOM TYPE (COMMERCIAL	L CONSTRUCTION ONLY	7)					
GROUP 5		2019-12-16	40.08	20.55	60.63			
		2020-05-01	40.93	21.70	62.63			
521	AIR COMPRESSOR 450 CFM OR OVER (*	ΓWO OR MORE MACHIN	ES) (COMMERCIAI	L CONSTRUCTION	ON ONLY)			
522	CONCRETE MIXER (COMMERCIAL COM	NSTRUCTION ONLY)						
523	CONCRETE PUMP UP TO 31 METERS/10	1 FEET OF BOOM						
524	DRILL RIGS, HEAVY ROTARY OR CHUI OR BUILDING CONSTRUCTION (COMM			SSON FOR ELE	VATOR			
525	FORKLIFT (COMMERCIAL CONSTRUCT	TION ONLY)						
526	FRONT END, SKID STEER 1 C YD AND C	OVER						
527	HOIST ENGINEER (ONE OR TWO DRUM	MS) (COMMERCIAL CONS	STRUCTION ONLY)				
528	MECHANIC-WELDER (ON POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)							
529	POWER PLANT (100 KW AND OVER OR MULTIPLES EQUAL TO 100KW AND OVER) (COMMERCIAL CONSTRUCTION ONLY)							
530	PUMP OPERATOR AND/OR CONVEYOR (TWO OR MORE MACHINES) (COMMERCIAL CONSTRUCTION ONLY)							
531	SELF-ERECTING TOWER CRANE UNDER 100 FEET MEASURED FROM BOOM FOOT PIN (COMMERCIAL CONSTRUCTION ONLY)							
532	STRADDLE CARRIER (COMMERCIAL CONSTRUCTION ONLY)							
533	TRACTOR OVER D2 (COMMERCIAL CO	NSTRUCTION ONLY)						
534	WELL POINT PUMP (COMMERCIAL CO	NSTRUCTION ONLY)						
GROUP 6		2019-12-16	38.57	20.55	59.12			
		2020-05-01	39.42	21.70	61.12			
535	CONCRETE BATCH PLANT (COMMERC	IAL CONSTRUCTION ON	LY)					
536	FIREPERSON, FIRST CLASS BOILER LIC	CENSE (COMMERCIAL CO	ONSTRUCTION ON	LY)				
537	FRONT END, SKID STEER UP TO 1 C YD)						
538	GUNITE MACHINE (COMMERCIAL COM	NSTRUCTION ONLY)						
539	TRACTOR OPERATOR D2 OR SIMILAR S	SIZE (COMMERCIAL COM	NSTRUCTION ONL	Y)				
540	TRENCHING MACHINE (SEWER, WATE	R, GAS) EXCLUDES WAL	K BEHIND TRENC	HER				
GROUP 7		2019-12-16	37.45	20.55	58.00			
		2020-05-01	38.30	21.70	60.00			
541	AIR COMPRESSOR 600 CFM OR OVER (COMMERCIAL CONSTRU	JCTION ONLY)					
542	BRAKEPERSON (COMMERCIAL CONST	RUCTION ONLY)						
543	CONCRETE PUMP/PUMPCRETE OR COM	MPLACO TYPE (COMMER	RCIAL CONSTRUCT	ΓΙΟΝ ONLY)				
544								

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE	RATE TOTA	AL RATE
	FIREPERSON, TEMPORARY HEAT SECONLY)	OND CLASS BOILER	R LICENSE (COM	MMERCIAL (CONSTRUCTION	ON
545	OILER (POWER SHOVEL, CRANE, TRUCK CRANE, DRAGLINE, CRUSHERS AND MILLING MACHINES, OR OTHER SIMILAR POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)					
546	PICK UP SWEEPER (ONE CUBIC YARD	HOPPER CAPACITY	(COMMERCIA	AL CONSTRU	JCTION ONLY	<i>(</i>)
547	PUMP AND/OR CONVEYOR (COMMERO	CIAL CONSTRUCTIO	ON ONLY)			
GROUP 8		2019-12-16	35.44		20.55	55.99
		2020-05-01	36.29	•	21.70	57.99
548	ELEVATOR OPERATOR (COMMERCIAL	CONSTRUCTION C	ONLY)			
549	GREASER (COMMERCIAL CONSTRUCT	TION ONLY)				
550	MECHANICAL SPACE HEATER (TEMPO CONSTRUCTION ONLY)	ORARY HEAT NO BO	DILER LICENSE	E REQUIRED)	(COMMERCI	AL
TRUCK DRIVERS						
GROUP 1		2019-12-16	45.32		9.48	54.80
601	MECHANIC . WELDER					
602	TRACTOR TRAILER DRIVER					
603	TRUCK DRIVER (HAULING MACHINER WINCHES)	RY INCLUDING OPE	RATION OF HA	ND AND PO	WER OPERAT	ΈD
GROUP 2 *		2019-12-16	21.10	1	6.76	27.86
604	FOUR OR MORE AXLE UNIT, STRAIGH	T BODY TRUCK				
GROUP 3 *		2019-12-16	22.50	1	6.50	29.00
605	BITUMINOUS DISTRIBUTOR DRIVER					
606	BITUMINOUS DISTRIBUTOR (ONE PER	SON OPERATION)				
607	THREE AXLE UNITS					
GROUP 4		2019-12-16	35.82	:	8.18	44.00
608	BITUMINOUS DISTRIBUTOR SPRAY OF	PERATOR (REAR AN	ND OILER)			
609	DUMP PERSON					
610	GREASER					
611	PILOT CAR DRIVER					
612	RUBBER-TIRED, SELF-PROPELLED PAGE	CKER UNDER 8 TON	IS			
613	TWO AXLE UNIT					
614	SLURRY OPERATOR					
615	TANK TRUCK HELPER (GAS, OIL, ROA	D OIL, AND WATER	.)			
616	TRACTOR OPERATOR, UNDER 50 H.P.					

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
SPECIAL CRAFTS					
701	HEATING AND FROST INSULATORS	2019-12-16	45.69	25.86	71.55
		2020-06-01	48.29	25.86	74.15
702	BOILERMAKERS	2019-12-16	38.33	27.43	65.76
703	BRICKLAYERS	2019-12-16	40.31	21.32	61.63
		2020-05-01	42.41	21.32	63.73
704	CARPENTERS	2019-12-16	38.18	22.55	60.73
		2020-05-01	40.23	22.55	62.78
705	CARPET LAYERS (LINOLEUM)	2019-12-16	38.84	20.29	59.13
703	CARFEI LATERS (LINOLEUM)	2020-05-01	40.89	20.29	61.18
		2020 03 01	10.07	20.27	01.10
706	CEMENT MASONS	2019-12-16	39.81	20.42	60.23
		2020-05-01	41.81	20.42	62.23
707	ELECTRICIANS	2019-12-16	43.71	30.59	74.30
		2020-05-01	46.61	30.59	77.20
708	ELEVATOR CONSTRUCTORS	2019-12-16	49.91	39.24	89.15
		2020-01-01	51.55	40.48	92.03
709	GLAZIERS	2019-12-16	42.19	19.64	61.83
		2020-06-01	44.24	19.64	63.88
710	LATHERS	2019-12-16	38.18	22.55	60.73
, 10	2	2020-05-01	40.23	22.55	62.78
712	IRONWORKERS	2019-12-16	37.60	29.40	67.00
		2020-05-01	39.65	29.40	69.05
714	MILLWRIGHT	2019-12-16	35.73	26.43	62.16
		2020-05-01	37.83	26.43	64.26
715	PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)	2019-12-16	37.20	22.76	59.96
		2020-05-01	39.20	22.76	61.96

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
716	PILEDRIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)	2019-12-16	38.91	22.08	60.99
717	PIPEFITTERS . STEAMFITTERS	2019-12-16	46.77	28.67	75.44
		2020-05-01	49.27	28.67	77.94
718	PLASTERERS	2019-12-16	39.98	20.54	60.52
		2020-06-01	42.03	20.54	62.57
719	PLUMBERS	2019-12-16	48.12	25.33	73.45
		2020-05-01	50.87	25.33	76.20
700	DOOFER	2010 12 16	20.00	10.10	56.10
720	ROOFER	2019-12-16 2020-05-01	38.00 40.00	18.19 18.19	56.19 58.19
721	SHEET METAL WORKERS	2019-12-16	44.46	29.17	73.63
722	SPRINKLER FITTERS	2019-12-16	46.58	28.10	74.68
,		2020-06-01	49.43	28.10	77.53
723	TERRAZZO WORKERS	2019-12-16	40.53	19.83	60.36
724	TILE SETTERS	2019-12-16	35.73	25.31	61.04
725	TILE FINISHERS	2019-12-16	29.45	20.33	49.78
726	DRYWALL TAPER	2019-12-16	35.40	23.44	58.84
		2020-05-04	37.40	23.44	60.84
707	WIRING SYSTEM TECHNICIAN	2010 12 16	40.17	17.62	<i>5</i> 7.90
727	WIRING SYSTEM TECHNICIAN	2019-12-16 2020-07-01	40.17 41.42	17.63 17.63	57.80 59.05
728	WIRING SYSTEMS INSTALLER	2019-12-16	28.14	14.71	42.85
		2020-07-01	29.02	14.71	43.73
729	ASBESTOS ABATEMENT WORKER	2019-12-16	32.68	19.66	52.34
730	SIGN ERECTOR	2019-12-16	29.78	15.59	45.37