Attachment E Traffic Signal Equipment and Parts Quotation Page

MISSISSIPPI DEPARTMENT OF TRANSPORTATION AGENCY CONTRACT TRAFFIC SIGNAL PARTS AND EQUIPMENT FOR THE PERIOD OF COMMISSION APPROVAL THROUGH MAY 31, 2020.

ATTACHED SPECIFICATIONS ARE FOR REFERENCE ONLY. ONLY USE APPLICABLE LANGUAGE ASSOCIATED WITH TRAFFIC SIGNAL PARTS. ANY REFERENCE TO CONTRACTOR, CONSTRUCTION, TESTING, PERFORMANCE PERIOD, TRAINING, BASIS OF PAYMENT, METHOD OF MEASUREMENTS, PAY ITEMS, ETC. SHALL NOT BE UTILIZED WHEN REFERENCING.

ACTUATED CONTROLLERS, TERMINAL FACILITIES AND CABINETS (VENDORS BIDDING ON THIS SECTION MUST BID ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE FOR THIS ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION) (see SECTION 632 of the attached specification.) (Note: Cabinets shall include Type 1 actuated controller (must be compatible with MDOT's existing Traffic Signal Management Software and able to communicate via FSK, Radio, Fiber and Ethernet), MMU2, four (4) loop detector amplifiers. Adequate number of flash transfer relays, PS175 power supplies, NEMA load switches, load switch arrestors, and loop detector arrestors shall also be included)

	EACH
Type I Pole Mounted Cabinet	
Type I Base Mounted Cabinet	<u> </u>
Type II Pole Mounted Cabinet	
Type II Base Mounted Cabinet	
Type III Base Mounted Cabinet	
Type IV Base Mounted Cabinet	
Type V Base Mounted Cabinet	
Add on options (Items listed below must be compatible with the above assembly):	
	EACH
Single Mode Fiber Panel	
Multi-Mode Fiber Panel	
Total Bid Amount	
ACTUATED CONTROLLERS (VENDORS BIDDING ON THIS SECTION MUST	
ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE F	
SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION) (M	
COMPATIBLE WITH CABINET ASSEMBLIES (SEE SECTION 632 of the attach	ed specification)
(Must be compatible with MDOT's existing Traffic Signal Management Software an	<u>d able to</u>
communicate via FSK, Radio, Fiber and Ethernet)	
T 1 T 07 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>EACH</u>
Type 1 Traffic Actuated Controller	
Type 1 Master Traffic Actuated Controller	
Type 2 Traffic Actuated Controller	
Type 2 Master Traffic Actuated Controller	
Type 3 Traffic Actuated Controller	
Type 3 Master Traffic Actuated Controller	
Total Bid Amount	

NEMA CONFLICT/VOLTAGE MONITORS (MUST BE COMPATIBLE)	E WITH CABINET
ASSEMBLIES) (See SECTION 632 of the attached specification).	EACH
MAGI2id SDLCbl-	EACH
MMU2 with SDLC cable	
ATTERY BACKUP SYSTEM AND POWER CONDITIONER (See SE	CTION 633 of the
ttached specification)	
	EACH
Battery Backup System and Power Conditioner (UPS)	
Above System with Cabinet	EACH
With Pole Mounted Cabinet	
With Piggyback Cabinet	
With Base Mounted Cabinet	
Accessories:	EACH
Battery	L/IVII
Battery Wiring Kit	
Battery Balancer	
Battery Balancer with Monitoring Capabilities	
Battery Barancer with Monitoring Capabilities	
ASSEMBLIES) (Must meet the specifications outlined in SECTIONS 632 pecification minus the card rack mounting requirements. Also see SECT AMPLIFIERS (STAND ALONE) at the end of the attached specifications	ION LOOP DETECTOR
	EACH
Single Channel Detector with Timing	
Two Channel Detector with Timing	
Four Channel Detector with Timing	
OOP DETECTOR AMPLIFIERS (CARD RACK) (MUST BE COMPA	TIBLE WITH CABINET
SSEMBLIES) (See SECTIONS 632 and 640 of the attached specification	
	EACH
Power Supply, 175 watt	
Loop Detector Amplifier, Two Channel Detector	
Loop Detector Amplifier, Four Channel Detector	
Five Space Card Rack (wired)	
RAFFIC SIGNAL HEADS AND LENSES (VENDORS BIDDING ON T	THIS SECTION MUST R
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUM	
NTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS EN	
ECTION 635 of the attached specification. Also See Head Type Diagran	
pecifications.)	
I DD I	EACH
LED Lenses	
12" Red Arrow "LED" Lens	
12" Yellow Arrow "LED" Lens	
12" Green Arrow "LED" Lens	
12" Circular Red "LED" Lens	

	EACH
12" Circular Yellow "LED" Lens	
12" Circular Green "LED" Lens	
8" Circular Red "LED" Lens	
8" Circular Yellow "LED" Lens	
8" Circular Green "LED" Lens	
Traffic Signal Heads with backplates, Polycarbonate, Black or Yellow, LED Len	ses, <u>with visors</u>
	EACH
8" Three Section (Type 1) Traffic Signal Head	
8" Three Section (Type 1) Traffic Signal Head (quantity 50-99)	
8" Three Section (Type 1) Traffic Signal Head (quantity 100+)	
12" Three Section (Type 1) Traffic Signal Head	
12" Three Section (Type 1) Traffic Signal Head (quantity 50-99)	
12" Three Section (Type 1) Traffic Signal Head (quantity 100+)	
12" Three Section (Type 2) Traffic Signal Head w/Arrows	
12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows	
12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows	
12" Four Section (Type 3) Traffic Signal Head with Green Arrow	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very section (Type 4) Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very section (Type 4) Traffic Signal Head w/Green, Yellow Arrow (Type 4) Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very (Type 4) Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very (Type 4) Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very (Type 4) Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached very (Type 4) Traffic Signal Head w/Green, Yellow (Type 4) Traffic Signal Head w/Green,	isors EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached video at 12" Three Section (Type 1) Traffic Signal Head	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached video 12" Three Section (Type 1) Traffic Signal Head 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99)	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached video 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+)	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached vices and the section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached video 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached video 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow	
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached vice 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal Four Section Traffic Signal, Type 3	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 2A FYA	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal Four Section Traffic Signal, Type 3	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 7	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 2A FYA	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 1) Traffic Signal Head w/Arrows 12" Four Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 7 Visors for Traffic Signal Heads 12" Aluminum Visor	EACH
12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow 12" Three Section (Type H) Hawk Signal Traffic Signal Heads, Aluminum, Black or Yellow, LED Lenses, with attached v. 12" Three Section (Type 1) Traffic Signal Head 12" Three Section (Type 1) Traffic Signal Head (quantity 50-99) 12" Three Section (Type 1) Traffic Signal Head (quantity 100+) 12" Three Section (Type 2) Traffic Signal Head w/Arrows 12" Four Section (Type 2A FYA) Traffic Signal Head w/Arrows 12" Three Section (Type 2B FYA) Traffic Signal Head w/Arrows 12" Four Section (Type 3) Traffic Signal Head with Green Arrow 12" Three Section (Type 4) Traffic Signal Head w/Green, Yellow Arrow Backplates for Traffic Signals Heads (Reference Attached Head Type Detail) Three Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Type 2A FYA Five Section Traffic Signal, Type 7	EACH

Total Bid Amount

PEDESTRIAN SIGNALS (VENDORS BIDDING ON THIS SECTION MUST BID ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE FOR THIS ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION) (See SECTION 635 of the attached specification)

	EACH
16" X 18" Ped Housing with LED insert, Aluminum, yellow or black,	
Countdown type, top of pole mount	
16" X 18" Ped Housing with LED insert, Aluminum, yellow or black,	
Countdown type, drilled for clamshell mount	
16" X 18" Ped Housing with LED insert, Polycarbonate, yellow or black,	
Countdown type, top of pole mount	
16" X 18" Ped Housing with LED insert, Polycarbonate, yellow or black, Countdown type, drilled for clamshell mount	
Mounting Hardware – top of pole	
Mounting Hardware – clamshell	
Mounting Hardware – 1-way Post (4") Top	
Total Bid Amount	
LASHING BEACONS (VENDORS BIDDING ON THIS SECTION MUST B	ID ON ALL ITEMS
THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE FOR T	HIS ENTIRE SECT
VILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION) (See SE ttached specification)	CTION 638 of the
Solar 24 Hour Flashing Beacons	EACH
2 Trous Trushing Beacons	EACH
Solar Powered Stop Sign Beacon (Red) with 1-8" LED	
Solar Powered Stop Sign Beacon (Red) with 1-12" LED	
Solar Powered Stop Sign Beacon (Red) with 2-8" LED's	
Solar Powered Stop Sign Beacon (Red) with 2-12" LED's	
Solar Powered Warning Sign Beacon (Amber) with 1-8" LED	
Solar Powered Warning Sign Beacon (Amber) with 1-12" LED	
Solar Powered Warning Sign Beacon (Amber) with 2-8" LED's	
Solar Powered Warning Sign Beacon (Amber) with 2-12" LED's	
Solar School Zone Flashing Beacons	
	EACH
Solar Powered School Zone Warning Sign Beacon	
(Amber) with 1-8" LED	
Solar Powered School Zone Warning Sign Beacon	
(Amber) with 1-12" LED	
Solar Powered School Zone Warning Sign Beacon	
(Amber) with 2-12" LED's	
Solar Powered School Zone Warning Sign Beacon (Amber) with 2-8" LED's	
	E A CH
Hardwired Flasher Assembly with Cabinet, NEMA Type	EACH
Hardwired Flasher Assembly with Cabinet, NEMA Type with	
Solid State Time Clock	
Traffic Solar Power Assembly	
Total Bid Amount	

EMERGENCY VEHICLE PREEMPTION SYSTEMS & EQUIPMENT (MUST BE COMPATIBLE WITH CABINET ASSEMBLIES AND EXISTING MDOT PREEMPTION SYSTEMS) (VENDORS BIDDING ON THIS SECTION MUST BID ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE FOR THIS ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION) (See SECTION 639 of the attached specification)

	EACH
Type 1 Optical Detector, One Eye, One Channel	
Type 1 Optical Detector, Two Eye, One Channel	
Type 1 Optical Detector, Two Eye, Two Channel	
Type 1 Optical Vehicle Control Emitter	
Multimode Phase Selector	-
Multimode Phase Selector Card Rack	
Type 2 Vehicle Control Unit	
Type 2 Radio/GPS Module	
Type 2 Radio/GPS Cable	per LF
Type 1 Optical Detector Cable	per LF
Total Bid Amount	•
	•
RADAR DETECTION & EQUIPMENT (MUST BE COMPATIBLE WIT (See SECTION 641 of the attached specification)	TH CABINET ASSEMBLIES
Type 1 Radar Equipment. (Vendors bidding on Type 1 equipment must	
Vendor with lowest cumulative price for Type 1 equipment will be awar	
Communications are provided thru a single cable, only quote price for	r eitner Power Cable or
Communications Cable, not Both)	
Sten Den Detector Huit	EACH
Stop Bar Detector Unit	
Advanced Detector Unit	
Mounting Bracket	
Two Output Single Input Interface Board	
Four Output Single Input Interface Board	
Four Output Double Input Interface Board	
Radar Detection Communications Cable	per LF
Power Cable (If required and separate from Detection Cable)	per LF
Total Bid Amount	
Type 2 Radar Equipment. (Vendors bidding on Type 2 equipment must Vendor with lowest cumulative price for Type 2 equipment will be away Communications are provided thru a single cable, only quote price for	rded contract. If Power and
Communications Cable, not Both)	
	EACH
Stop Bar Detector Unit	
Extended Range Advanced Detector Unit	-
Mounting Bracket	
Cable Junction Box	
Two Channel Contact Closure Rack Card	
Four Channel Contact Closure Rack Card	<u></u>
Four Channel Contact Closure DIN Rail Card	

Four Sensor Cabinet Interface D Six Sensor Cabinet Interface De	
	ЕАСН
6' SDLC Cable	
Sensor Cable	per LF
Home Run Cable	per LF
<u>Tot</u>	tal Bid Amount
	UST BE COMPATIBLE WITH CABINET ASSEMBL
SECTION 643 of the attached specificate	<u>tion)</u>
in this section. Vendor with lowest cum	Vendors bidding on Type 1A equipment must bid on all ite ulative price for Type 1A equipment will be awarded contractive price for either Video Cable or a single cable, only quote price for either Video Cable or
•	EACH
Video Detection Camera Sensor	•
Mounting hardware	
Mounting hardware Video Detection Processor Rack	Mounted
Video Detection Processor Rack Surge Interface Panel	
Video Detection Processor Rack Surge Interface Panel Communications Cable	per LF
Video Detection Processor Rack Surge Interface Panel	
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumulative processor.)	per LF per LF per LF Wendors bidding on Type 1B equipment must bid on all iteleptative price for Type 1B equipment will be awarded contract single cable, only quote price for either Video Cable or
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cum If Video and Power are provided thru a Power Cable, not Both)	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumul If Video and Power are provided thrust	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumul If Video and Power are provided thru to Power Cable, not Both) Video Detection Processor with	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumulif Video and Power are provided thru de Power Cable, not Both) Video Detection Processor with Mounting hardware	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumulif Video and Power are provided thru de Power Cable, not Both) Video Detection Processor with Mounting hardware	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumulations) If Video and Power are provided thru a Power Cable, not Both) Video Detection Processor with Mounting hardware Cabinet Interface Rack Mounted	per LF
Video Detection Processor Rack Surge Interface Panel Communications Cable Power Cable Total B Type 1B Video Detection Equipment. (in this section. Vendor with lowest cumulif Video and Power are provided thru de Power Cable, not Both) Video Detection Processor with Mounting hardware Cabinet Interface Rack Mounted Cabinet Interface Shelf Mounted	per LF

Type 2 Span Wire Mounted Video Detection Equipment. (Vendors bidding on Type 2 Span Wire Mounted equipment must bid on all items in this section. Vendor with lowest cumulative price for Type 2 Span Wire Mounted equipment will be awarded contract. If Video and Power are provided thru a single cable, only quote price for either Video Cable or Power Cable, not Both)

	EACH
Sensor Unit	
Interface Board/Processor	
Mounting hardware	
Surge Interface Panel	
Communications Cable	per LF
Power Cable	per LF
	.
Total Bid Amo	<u>ount</u>
Multi Sensor Vehicle Detection Equipment. (Vendors all items in this section. Vendor with lowest cumulatiawarded contract. If Communications and Power are for either Communications Cable or Power Cable, n	ve price for Multi Sensor equipment will be re provided thru a single cable, only quote price
	EACH
Multi Sensor Unit	
Video Imaging Camera Sensor	
Radar Sensor	
Sensor Data Combiner	
Detection Processor	
Mounting Bracket	
Surge Interface Panel	
Communications Cable	
Power Cable	
Total Bid Ame	ount
RADIO INTER-CONNECT SYSTEMS & EQUIPMENT CABINET ASSEMBLIES AND EXISTING MDOT RAD attached specification)	
900 MHz Interconnect equipment. (Vendors bidding section. Vendor with lowest cumulative price for this	
section remainment contain tuniditive price for this	EACH
900 MHz Radio Interconnect, Ethernet Style	EACH
900 MHz Radio Repeater, Ethernet Style	
900 MHz Antenna, Ethernet Style	
Yaggi Antenna, Coax Style	
Omni Antenna, Coax Style	
Onnii Antenna, Cuax Style	
Total Bid Amo	unt

<i>-</i>	EACH
Broadband Local Radio (Short Range)	
Broadband Local Radio (Long Range)	
Broadband Repeater	
Total Bid Amount	
TVBR Equipment. (Vendors bidding on this section must bid on all items in this lowest cumulative price for this section will be awarded contract.)	s section. Vendor with
	EACH
TVBR Local Radio (Short Range)	
TVBR Local Radio (Long Range Range)	
TVBR Repeater	
Total Bid Amount	
Total Blu Amount	
TRAFFIC SIGNAL SYSTEM SOFTWARE (VENDORS BIDDING ON THIS SE ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPACT SOFT SECTION WILL SECTION CONTRACT FOR THIS ENTIRE SECURIOR SEC	ECTION) (Must be
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SE	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECONDATION OF SECONDATIO	ECTION) (Must be
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MOOT'S Traffic Signal Controllers and existing Management Some SECTION 632 of the attached specification)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MICHAEL SICOMPATIBLE WITH MICHAEL SECTION 632 of the attached specification) Closed Loop Software (Single User)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MDOT'S Traffic Signal Controllers and existing Management Some SECTION 632 of the attached specification) Closed Loop Software (Single User) Workstation Software (Single User)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECOND WITH MOOT'S Traffic Signal Controllers and existing Management Some SECTION 632 of the attached specification) Closed Loop Software (Single User) Workstation Software (Single User) Add-on User License (per 1 user)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MDOT'S Traffic Signal Controllers and existing Management Some SECTION 632 of the attached specification) Closed Loop Software (Single User) Workstation Software (Single User) Add-on User License (per 1 user) Add-on User License (per 5 users) Intersection License (per 10 intersections) Intersection License (per 25 intersections)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MOOT'S Traffic Signal Controllers and existing Management Society Section 632 of the attached specification) Closed Loop Software (Single User) Workstation Software (Single User) Add-on User License (per 1 user) Add-on User License (per 5 users) Intersection License (per 10 intersections) Intersection License (per 50 intersections) Intersection License (per 50 intersections)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SICOMPATIBLE WITH MDOT'S Traffic Signal Controllers and existing Management Some SECTION 632 of the attached specification) Closed Loop Software (Single User) Workstation Software (Single User) Add-on User License (per 1 user) Add-on User License (per 5 users) Intersection License (per 10 intersections) Intersection License (per 50 intersections) Intersection License (per 50 intersections) Intersection License (per 100 intersections)	E PRICE FOR THIS ECTION) (Must be ftware) (SEE
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MISCELLANEOUS PRODUCTS (MUST BE COMPATIBLE WITH CABINET ASSEMBLIES)

		EACH
Power Service Pedestal with Exposed Meter Mount (See SECTION 632 of the	ne	
attached specification)		
Composite Cabinet Foundation (See SECTION 632 of the attached specifican	tion)	
NEMA Load Switch (See SECTION 632 of the attached specification)		
NEMA Flasher (See SECTION 632 of the attached specification)		
Flash Transfer Relay (See SECTION 632 of the attached specification)		
Field Wire Signal Arrestor (See SECTION 632 of the attached specification)		
Cabinet Arrestor (See SECTION 632 of the attached specification)		
Loop Detector Arrestor (See SECTION 632 and 640 of the attached specifical	ation)	
Cabinet Fan with Thermostat (See SECTION 632 of the attached specification		
GPS Synchronization Clock (See SECTION 632 of the attached specification	1)	
Two Conductor Shielded cable, 14 Gauge IMSA 50-2		
(See SECTION 636 of the attached specification) pe	er LF	
Four Conductor Shielded cable, 14 Gauge IMSA 50-2	•	
(See SECTION 636 of the attached specification) pe	er LF	
Four Conductor Stranded cable, 14 Gauge, IMSA 20-1	•	
(See SECTION 636 of the attached specification) pe	er LF	
Five Conductor Stranded cable, 14 Gauge, IMSA 20-1	-	
(See SECTION 636 of the attached specification) pe	er LF	
Eight Conductor Stranded cable, 14 Gauge, IMSA 20-1	•	
(See SECTION 636 of the attached specification) pe	er LF	
#14 Stranded Loop Wire, IMSA 51-3 Type XHHW	•	
(See SECTION 636 of the attached specification) pe	er LF	
		EACH
Type 1 Pullbox (See SECTION 637 of attached specification)		
Type 2 Pullbox (See SECTION 637 of attached specification)	-	
Type 3 Pullbox (See SECTION 637 of attached specification)		
Type 4 Pullbox (See SECTION 637 of attached specification)		
Type 5 Pullbox (See SECTION 637 of attached specification)		
Pullbox Composite Collar (See SECTION 637 of attached specification)		<u> </u>
Loop Sealant (See SECTION 640 of the attached specification)	-	
Standard Pedestrian Pushbutton (See SECTION 645 of the attached specifica	tion)	
Accessible Pedestrian System (APS) Pushbutton		
(See SECTION 645 of the attached specification)	-	
LED Internally Illuminated Regulatory Sign		
(See SECTION 646 of the attached specification)		
LED Internally Illuminated Street Name Sign		
(See SECTION 646 of the attached specification)	_	
LED Blank-Out Sign (See SECTION 646 of the attached specification)	-	
Cellular Modem (See attached SECTION 663 of the attached specification)	-	
Traffic Signal (3 Section Head) Mast Arm Attachment Bracket (see SECTIO	N	
722 of the attached specification)	1.4	
Traffic Signal (4 SECTION Stacked Head) Mast Arm Attachment Bracket (s		

		EACH
SECTION 722 of the at	ttached specification)	
	verted T) Mast Arm Attachment Bracket (see	
SECTION 722 of the at		
Traffic Signal (5 SECTION) M	fast Arm Attachment Bracket (see SECTION	
722 of the attached spec	cification)	
Vehicle Preemption Confirmat	<u> </u>	
Vehicle Preemption Blue Rotat		
	on Device (see SECTION TRAFFIC SIGNAL	
	TE CABINET MONITORING DEVICE of the	
Attached specification)		
	on Device with 5 year cell plan Device (see	
	IGNAL PREEMPTION/REMOTE CABINET	
	CE of the attached specification)	
	on Device with Preemption (see SECTION	
	REEMPTION/REMOTE CABINET	
	CE of the attached specification)	_
	on Device with Preemption with 5 year cell plan	
	FIC SIGNAL PREEMPTION/REMOTE CABIN	ET
	CE of the attached specification)	
	evice with Preemption (see SECTION TRAFFIC	
	ON/REMOTE CABINET MONITORING DEVI	CE
of the attached specific	ation)	
will not be used to award the	t must be submitted with SOQ. The quotations he contract. The quotations will be used to help auction. The results from the Reverse Auction	determine the
COMPANY:	NAME: (Print or Type)	_
	(Print or Type)	
ADDRESS:	SIGNED BY:	
	TITLE:	
PHONE :	DATE:	
FAX :		
EMAIL :		