Clearance Interval - Length of time of display of signal indication

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following right-of-way interval.

57	portion.
58	
59	(6) Flashing Feature - Feature incorporated to stop normal signal
60	operation and cause flashing of predetermined combination of signal
61	lights.
62	
63	(7) Initial Portion - Part of green interval that is timed-out or
64	separately controlled by traffic-actuated controller before extendible
65	portion of interval takes effect.
66	
67	(8) Interval - Several divisions of time cycle during which signal
68	indications do not change.
69	
70	(9) Interval Sequence - Order of appearance of signal indications
71	during successive intervals of time cycle.
72	
73	(10) Magnetic Vehicle Detector - Detector actuated by movement of
74	vehicle passing through magnetic field.
75	
76	(11) Major Street - Roadway approach or approaches at intersection
77	normally carrying greater volume of vehicular traffic.
78	
79	(12) Manual Operation - Operation of signal controller by hand-
80	operated switch.
81	
82	(13) Minimum Period - In semi-traffic-actuated controllers, shortest
83	time for which right-of-way will be given to approaches not having
84	detectors.
85	
86	(14) Minor Movement Interval - Auxiliary phase added to controller
87	phase (parent phase) and modified by auxiliary movement controller.
88	
89	(15) Minor Street - Roadway approach or approaches at intersection
90	normally carrying smaller volume of vehicular traffic.
91	
92	(16) Non-Parent Phase - Controller phase not modified by auxiliary
93	controlunit.
94	
/ Ι	
	04B 04 00

Detector for Traffic Actuation - Device that pedestrians or

Extendible Portion - That part of green interval that follows initial

Extension Limit - Maximum time that traffic phase may retain

right-of-way after actuation on another traffic phase, after timimg out initial

vehicles can register their presence with traffic-actuated controller.

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(5)

portion.

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95 06		(17) Parent Phase - Controller phase modified by auxiliary control unit.
96 97		(19) Baccage Beried Time ellowed for vehicle to travel at colocted
97 98		(18) Passage Period - Time allowed for vehicle to travel at selected speed from detector to nearest point of conflicting traffic.
90 99		speed from detector to nearest point of conflicting traffic.
100		(19) Pedestrian Detector - Detector, usually of push-button type,
101		installed near roadway and operated by hand.
102		
103		(20) Pressure-Sensitive Vehicle Detector - Detector installed in
104		roadway, actuated by pressure of vehicle passing over its surface.
105		,, ,
106		(21) Pre-Timed Controller - Automatic control device for supervising
107		operation of traffic control signals in accordance with pre-timed cycle and
108		divisions.
109		
110		(22) Recall Switch - Manually operated switch in actuated controller to
111		provide for automatic return of right-of-way to street.
112		
113		(23) Right-of-Way - Privilege of immediate use of highway.
114		
115		(24) Signal Indication - Illumination of traffic signal lens or equivalent
116		device, or of combination of several lenses or equivalent devices.
117		
118		(25) Time Cycle - Number of seconds required for one complete
119		revolution of timing dial or complete sequence of signal indications.
120		
121		(26) Traffic-Actuated Controller - Digital control device for supervising
122		operation of traffic control signals in accordance with varying demands of
123		traffic as registered with controller by loop detectors or pedestrian push
124		buttons.
125		
126		(27) Traffic Phase - Part of cycle allocated to traffic movements
127		receiving right-of-way or to combinations of traffic movements receiving
128		right-of-way simultaneously during one or more intervals.
129		
130		(28) Unit Extension - Minimum time, during extendible portion, for
131		which right-of-way must remain on traffic phases following actuation on
132		that phase, subject to extension limit"
133	лих	Amond COO OO Matariala by adding the following often line 199:
134	(111)	Amend 623.02 Materials by adding the following after line 132:
135		"Pedestrian Signal Push Button with Integral Sign 770.12"
136 137		"Pedestrian Signal Push Button with Integral Sign 770.12"
138	(11/1)	Amend Subsection 623.03(C)(7) from lines 255 to 258 to read as follows:
130	(IV)	Amena Cabaccion ozalogojaj nom mes zaa to zaa to read as tollows.

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142

Lay polyvinyl chloride (PVC) conduits carefully in "(7) Conduits. trenches prepared to receive conduits. Concrete encase PVC Schedule 40 conduits."

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(V) Amend Section 623.04 Measurement and 623.05 Payment from lines 578 to 594 to read as follows:

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148

"623.04 Measurement. The Engineer will not measure firmware for controller, for payment.

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154

(A) The Engineer will measure the controller assembly, foundation for traffic signal controller, traffic signal standard, foundation for traffic signal standard, pedestrian or traffic signal assembly, pedestrian pushbutton, pullbox, loop detector sensing unit, and emergency vehicle preemption receiver per each in accordance with the contract documents.

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(B) The Engineer will measure traffic signal ductline, conductors, and EVP cable per linear foot in accordance with the contract documents.

158

Payment. The Engineer will pay for the accepted controller assembly at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and mounting the controller cabinet; furnishing, assembling, wiring, firmware, and housing the controller and auxiliary equipment; painting the controller cabinet; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

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The Engineer will pay for the accepted traffic signal standard at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the traffic signal standard; wiring; bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials, and other incidentals necessary to complete the work.

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The Engineer will pay for the accepted foundation for controller cabinet and traffic signal standard at the contract unit price per each complete in place. The price includes full compensation for excavating and backfilling; forming; furnishing and placing the reinforcing steel; mixing, placing, and curing the concrete; furnishing and setting the anchor bolts; restoring the pavement; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

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181

The Engineer will pay for the accepted pedestrian and traffic signal assembly at the contract unit price per each complete in place. The price

includes full compensation for submitting the equipment list and drawing; assembling the signal heads; wiring; bonding and grounding; painting the signal head mounting; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted emergency vehicle preemption (EVP) optical receiver at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; assembling the EVP; wiring; bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted pedestrian piezo electric pushbutton with instruction sign at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the pedestrian pushbutton with the instruction sign; wiring; bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted traffic signal ductline at the contract unit price per linear foot complete in place. The price includes full compensation for saw cutting; trenching; excavating and backfilling, including asphalt concrete pavement, aggregate base course and aggregate subbase course for trench repair; concrete curb and/or gutter and concrete sidewalk repair; furnishing, installing, bonding, and grounding the conduits and interconnect subducts; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted pullbox at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the pullbox at the designated locations; saw cutting; excavating and backfilling; restoration of concrete sidewalks, asphalt concrete pavement and landscaping; coating the frames and covers; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted traffic signal and EVP cables at the contract unit price per linear foot complete in place. The price includes full compensation for furnishing, installing, splicing, and taping the cable; making the connections; providing turn-on service; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted loop detector sensing unit at the contract unit price per each complete in place. The price includes full

231 compensation for saw cutting; cleaning and blowing the saw cut area; furnishing and inserting the loop cable; splicing in the pullbox; filling the saw cut groove with 232 epoxy sealer or hot applied rubberized sealant; and furnishing equipments, tools, 233 234 labor, materials and other incidentals necessary to complete the work. 235 236 The Engineer will consider full compensation for additional materials and labor not specifically shown or called for that are necessary to complete the 237 238 work incidental to the various contract items in the proposal. 239 The Engineer will pay for each of the following pay items when 240 241 included in the proposal schedule: 242 Pay Item Pay Unit 243 244 Controller Assembly with Firmware Each 245 Type ____ Traffic Signal Standard _____ 246 Each 247 Foundation for Each 248 249 Signal Assembly _____ 250 Each 251 252 EVP Optical Receiver with Each 253 254 Pedestrian Pushbutton with Instruction Sign Each 255 Traffic Signal Ductline _____ 256 Lin. Ft. 257 258 _____Type ____ Pullbox Each 259 Cable 260 No. , Lin. Ft. 261 262 EVP Cable Lin. Ft. 263 264 Loop Detector Sensing Unit (6 Ft. x 6 Ft.) Loops Each 265 Payment shall be full compensation for the work prescribed in this 266 section and the contract documents. The Engineer shall consider additional 267 materials and labor not specifically shown or called for that are necessary to 268 complete the work as incidental to the various contract items in the proposal 269 schedule." 270

END OF SECTION 623

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