1	Amend Section 629 – PAVEMENT MARKINGS to read as follows:					
2 3 4	"SECTION 629 - PAVEMENT MARKINGS					
4 5 6 7	629.01 pavemer	Description. It markings.	This section	n describes fur	nishing, installing	g, and removing
, 8 9	629.02	Materials.				
10 11	White an	d Yellow Traffie	c Paint			755.01
12 13	Pavemer	nt Markers				755.02
14 15	Adhesive	es for Pavemen	t Markers			755.03
16 17	Preforme	ed Pavement M	arking Tape	9		755.04
18 19	Retrorefl	ective Thermor	plastic Comp	ound Paveme	nt Markings	755.05
20 21 22 23	irregulari	Pavement markers shall be of uniform composition, free from surfa irregularities, and free from other physical damage or defects that affect appearan or performance, or both.				
23 24 25	629.03	Constructior).			
26 27 28 29				•	conform to most i plied as indicated	
29 30 31		Establish	control point	s and layout p	avement marking	js.
32 33 34	af	Remove s fect bonding be			er materials that arkings.	may adversely
35 36 37			pleting pave	ment. If epoxy	pavement marke adhesive is usec ment.	
38 39 40 41		ngitudinal pave	ment marki	ngs on tangen	ation from intend its and curves w 2-inch deviatior	ith radii greater
41 42 43 44 45	ali or po	gnment of long less. Correc ortion(s), plus a	itudinal pave t misalignme an additiona	ement markings ents by remov I 25-foot segn	s on curves with raise	adii of 5,000 feet lling misaligned end, within one
46 47	(В			nt Markings.		orary pavement
			NI	4-002-1/030)		

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- 48 markings by end of work day in accordance with Table 629.03-1 Temporary
 49 Pavement Markings when the following conditions exist:
 - (1) Permanent pavement markings are not installed after completion of each day's final paving.

- (2) Additional guidance through area is required.
- (3) Markings for special traffic patterns are warranted.

Install temporary, solid, 4-inch pavement marking tapes on edges of traveled way for newly paved, scarified, or cold-planed surfaces, reconstructed areas, and unmarked areas. Where curbs are present at edges of traveled way, 4-inch pavement marking tapes may be eliminated.

Maintain and replace temporary pavement markings, flexible delineators, and barricades.

Remove temporary markings before installing permanent pavement markings.

Cover or temporarily remove signs that conflict with temporary pavement markings.

When pavement markings are not installed by the completion of construction operations for each day, the Engineer will suspend work and progress payment in accordance with Subsection 105.01(A) - Authority of the Engineer.

TABLE 629.03-1 TEMPORARY PAVEMENT MARKINGS		
ТҮРЕ	PAVEMENT MARKINGS	
Passing Permitted - Both Sides	Single 4-inch yellow stripe 5 feet in length spaced 20 feet on center with Type D markers spaced 40 feet on center and located on center of 5-foot length of stripe.	
Passing Prohibited - Both Sides	Double solid 4-inch yellow stripes with Type D markers placed 20 feet on center on one of 4-inch yellow stripes selected by the Engineer.	
Passing Permitted - One Side Only	Single continuous 4-inch yellow stripe with Type D markers placed on stripe 20 feet on center on no-passing side and single 4-inch yellow stripes 5 feet in length spaced 20 feet on center on passing side.	

Lane Lines - Lane Changing Permitted	Single 4-inch yellow or white stripe 5 feet in length spaced 20 feet on center with Type C or Type D markers spaced 40 feet on center.
Lane Lines - Lane Changing Prohibited	Double solid 4-inch white stripes with Type C markers placed 20 feet on center on one of the 4-inch white stripes selected by the Engineer.
Crosswalk	Two 12-inch white transverse lines spaced 8 feet on center or as ordered by the Engineer.
Stop Line	Single 12-inch white transverse line.
Note: Paint may be use	ed for temporary markings in areas where final paving is not

Note: Paint may be used for temporary markings in areas where final paving is not complete."

(C) Permanent Pavement Markings.

 (1) **Permanent Pavement Markers.** Provide pavement markers conforming to shapes, dimensions, tolerances, types, uses, and layout as indicated in the contract documents.

Submit samples of pavement markers and adhesives for testing and acceptance 10 days before usage. The Engineer will sample and test pavement markers in accordance with Subsection 755.02 – Pavement Markers.

Use bituminous adhesive or standard set type epoxy adhesive to bond pavement markers to pavement.

Heat and dispense bituminous adhesive from equipment that can maintain required temperature.

When using epoxy adhesive, mix components by employing two-component type automatic mixing and extruding apparatus. Automatic mixing equipment shall use positive displacement pumps and shall properly meter components in ratio of 1:1, \pm 5 percent by volume. Check ratio in presence of the Engineer at beginning of each day or as ordered by the Engineer.

Mix only standard set type adhesive manually, and do not mix more than 1 quart.

106Place pavement markers within 60 seconds after mixing and107extruding adhesive. No further movement of placed marker will be108allowed. Use completely each mixed batch of adhesive within 5109minutes after start of mixing. Place adhesive on pavement surface or

110 on bottom of marker, covering entire area of contact, without voids and with uniform thickness, to produce slight excess after pressing marker 111 in place. Place marker in position and apply pressure with slight 112 twisting motion until firm contact is made with pavement. If adhesive 113 cannot be readily extruded from under marker when pressure is 114 applied, discard remaining batch of adhesive. Immediately remove 115 excess adhesive around edge of marker, on surrounding pavement, 116 and on exposed surfaces of markers. 117 118

119

120

121 122 123

124

125

126

127 128 Remove adhesive from exposed faces of markers, using soft rags moistened with mineral spirits conforming to MIL-PRF-680A(1) or kerosene. Other solvents will not be allowed.

Where bituminous adhesive is used, protect marker against impact until adhesive has hardened to the degree designated by the Engineer. Where epoxy adhesive is used, protect pavement markers against impact until adhesive has hardened in accordance with Table 629.03-2 – Adhesive Set Time For Epoxy Pavement Markers:

TABLE 629.03-2 - ADHESIVE SET TIME FOR EPOXY PAVEMENT MARKERS		
Temperature [*] (Degrees F)	Standard Set Type (Hours)	Rapid Set Type (Minutes)
100	1.5	15
90	2	20
80	3	25
70	4	30
60	5	35
50	7	45
40	No application below 50	65
30		85
20	degrees F	No application below 30
10		degrees F

	*Either pavement surface temperature or ambient air temperature, whichever is lower.
129	
130	Do not use hardness of epoxy rim around marker as an
131	indication of degree of cure.
132	
133	Remove and replace pavement markers that do not meet set
134	time requirements indicated in Table 629.03-2 - Adhesive Set Time For
135	Epoxy Pavement Markers.
136	
130	Do not install pavement markers when relative humidity is
138	greater than 80 percent, or when pavement surface is not dry.
139	greater than be percent, or when pavement surface is not ary.
140	When using Type A and J pavement markers for delineating 10-
141	foot lane stripes, install markers in sets of four, with no fractional sets
142	allowed. Adjust lengths of each 10-foot stripe and each 30-foot gap for
143	skip striping ± 1 foot, to present uniform and balanced pattern.
144	
145	Do not install pavement markers over longitudinal or transverse
146	joints of pavement surface, pavement marking tape, and thermoplastic
147	extrusion markings.
148	
149	(2) Traffic Paint. Use wheeled, manually or motor-propelled
150	applicator machine to apply traffic paint at nominal thickness of 0.015
151	inch or at rate of 300 linear feet of single 4-inch stripe for 1-gallon
152	paint. Use applicator having appropriate shields around nozzles to
153	permit sharp stripe definition, and separate nozzle to direct air stream
154	immediately ahead of paint application for clearing debris, dust, and
155	other foreign matter. Immediately remove misted, dripped, and
156	spattered paint from pavements.
157	
158	Protect freshly painted pavement markings from traffic until
159	paint will not transfer to tires or other devices.
160	
161	Repair or correct pavement markings damaged by traffic and
162	paint marks on pavement caused by traffic crossing wet paint.
163	
164	(3) Thermoplastic Extrusion Pavement Marking.
165	
166	(a) Equipment. Apply material to pavement by extrusion
167	method. One side of shaping die shall be pavement surface
168	and other three sides shall be contained by, or shall be part of
169	equipment for heating and controlling flow of material.
170	
171	Equipment shall provide continuous mixing and agitation
172	of material. Conveying parts of equipment shall be constructed
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173	to prevent accumulation and clogging.
174	
175	Mixing and conveying parts, including shaping die, shall
176	maintain material at plastic temperature.
177	
178	Equipment shall produce continuously uniform stripe
	Equipment shall produce continuously uniform stripe
179	dimensions.
180	
181	Applicator shall cleanly and squarely cut off stripe ends.
182	Pans, aprons, or similar appliances that the die overruns will not
183	be allowed.
184	
	Apply boods to optime surface of completed string by
185	Apply beads to entire surface of completed stripe by
186	automatic bead dispenser attached to liner.
187	
188	Equip bead dispenser with automatic cutoff control
189	synchronized with cutoff of thermoplastic material.
190	
190	Use equipment that provides for varying die widths to
192	produce varying widths of traffic markings.
193	
194	Provide kettle for melting and heating composition.
195	Equip kettle with automatic thermoplastic control device so that
196	heating can be done by controlled heat transfer liquid rather
197	than direct flame.
198	
	Equip and arrange applicator and kattle in appardance
199	Equip and arrange applicator and kettle in accordance
200	with National Fire Underwriters requirements.
201	
202	Use mobile and maneuverable applicator that is capable
203	of following straight lines and making curves in true arcs.
204	
205	Use applicator capable of containing minimum of 125
205	pounds of molten material.
	pounds of moliten material.
207	
208	(b) Application. Clean off dirt, blaze, paint, tape, and
209	grease. Apply thermoplastic extrusion pavement marking only
210	when pavement surface is dry.
211	
212	Use equipment that can apply material in variable widths
212	from 2 inches to 12 inches. Apply material for full width of stripe
214	in one application or pass.
215	
216	On concrete pavements, on HMA pavements more than
217	seven days old, and on HMA pavements paved within seven
218	days containing less than 6 percent bituminous asphalt,
219	pre-stripe application area with binder material, primer, or prime
	re supe appression alog man and material printer, or printe

220 seal coat recommended by pavement marker manufacturer. 221 222 Line thickness, as viewed from lateral cross section, shall 223 measure not less than 90 mils at edges, and not less than 125 224 mils in center. 225 226 Take measurements as average throughout 36-inch sections of line. Two thousand pounds of thermoplastic 227 materials supplied in granular or block form shall yield 228 approximately 6,600 feet of 4-inch striping with 90-mil thickness. 229 230 231 Where required by the contract documents to apply new markings over existing markings, bond new line over old line so 232 that no splitting or separation takes place during its useful life. 233 234 235 Provide finished lines with well-defined edges, free of 236 waviness. 237 238 (c) Profiled Pavement Marking. Profiled thermoplastic 239 marking shall be produced in one continuous integral process 240 consisting of an extruded base line with raised audible bumps positioned at regular and predetermined intervals. The product 241 242 shall be available in standard widths and standard colors of 243 white and yellow. 244 245 The thermoplastic material used shall be a maleic-246 modified glycerol ester resin (Alkyd-based) compound 247 formulated for profiled pavement marking. The pigment, beads, 248 resin and fillers shall be a uniform blend material that must be melted to a temperature of approximately 400 degrees F. 249 Maintains a minimum of 380 degrees F when material meets 250 251 roadway surface. 252 253 The amount of glass beads, yellow pigment and calcium 254 carbonate filler contained in the product shall be at manufacturer's option, provided that all other material properties 255 256 shall comply with requirements of Subsection 755.05 -257 Retroreflective Thermoplastic Compound Pavement Markings. 258 259 The profiled stripe base line shall consist of thermoplastic materials extruded to a thickness of not less than 100 mils nor 260 261 more than 125 mils. The width of the line shall be in accordance with the plans. The edges of the lines shall be well 262 defined and free from waviness. 263 264 265 The raised audible bumps shall stand a minimum of 365 mils above the pavement surface. The raised bumps shall be 266

267 approximately rectangular in shape and positioned at 36-inch intervals when measure center to center. The longitudinal 268 length of the raised bump shall be a minimum of 2-1/2 inches 269 270 when measured along the crown. 271 272 Preformed Pavement Marking Tape. Apply temporary or (4) 273 permanent preformed pavement marking tape manually or with tape applicators, in accordance with tape manufacturer's recommendations 274 and the contract documents. Install preformed pavement marking tape 275 only when pavement surface is dry. 276 277 278 Do not apply preformed pavement marking tape over other markings. Remove existing pavement markings and prepare surface 279 280 for tape application in accordance with Subsection 629.03(A) -281 General. 282 283 Apply preformed pavement marking tape only when ambient air temperature is at least 60 degrees F and rising, and roadway surface 284 temperature is at least 70 degrees F and rising. Application of 285 286 preformed pavement marking tape will not be allowed when roadway 287 surface temperature exceeds 150 degrees F. 288 289 Before applying preformed pavement marking tape, prime 290 existing roadway surfaces with primer in accordance with tape manufacturer's recommendations. 291 292 293 Use tapes of specified width or use tapes of different widths to 294 form specified stripe width. The Engineer will pay for specified width of stripe when different tape widths are used to form specified width. 295 296 297 Use butt splices only. Tape material shall not be overlapped. 298 299 Areas marked with preformed pavement marking tape shall be 300 ready for traffic immediately after application. 301 302 (5) Thermoplastic Hot Spray Pavement Marking. 303 304 (a) Equipment. Use equipment constructed for preparation and application of thermoplastic hot spray 305 306 pavement marking. 307 308 Equipment shall provide continuous mixing and agitation of material. Conveying parts of equipment shall be constructed 309 310 to prevent accumulation and clogging. 311 312 Use applicator capable of containing minimum of 125 313 pounds of molten material.

314	
315	Provide kettle for melting and heating composition.
316	Equip kettle with automatic thermostat control device so that
317	heating can be done by controlled heat transfer liquid rather
318	than direct flame.
319	
320	Equip and arrange applicator and kettle in accordance
321	with National Fire Underwriters requirements.
322	
323	Mixing and conveying parts, including the spray gun,
324	shall maintain material at molten temperature.
325	
326	Apply beads to entire surface of completed stripe by
327	automatic bead dispenser attached to hot spray applicator.
328	
329	Equip bead dispenser with automatic cutoff control
330	synchronized with cutoff of thermoplastic material.
331	
332	Use equipment that provides for varying spray widths to
333	produce varying widths of traffic markings.
334	
335	Use mobile and maneuverable applicator that is capable
336	of following straight lines and making curves in true arcs.
337	
338	(b) Application. Clean off dirt, debris, blaze, paint,
339	tape, and grease. Apply thermoplastic hot spray pavement
339	tape, and grease. Apply thermoplastic hot spray pavement
339 340	tape, and grease. Apply thermoplastic hot spray pavement
339 340 341	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry.
339 340 341 342	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths
339 340 341 342 343	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of
 339 340 341 342 343 344 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of
 339 340 341 342 343 344 345 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of
 339 340 341 342 343 344 345 346 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass.
 339 340 341 342 343 344 345 346 347 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within
 339 340 341 342 343 344 345 346 347 348 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous
 339 340 341 342 343 344 345 346 347 348 349 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material,
 339 340 341 342 343 344 345 346 347 348 349 350 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous
 339 340 341 342 343 344 345 346 347 348 349 350 351 	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement
339 340 341 342 343 344 345 346 347 348 349 350 351 352	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer.
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer.
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer. Line thickness, as viewed from lateral cross section, shall measure not less than 90 mils at edges, and not less than 125
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer. Line thickness, as viewed from lateral cross section, shall measure not less than 90 mils at edges, and not less than 125
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer. Line thickness, as viewed from lateral cross section, shall measure not less than 90 mils at edges, and not less than 125 mils in center.
339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358	tape, and grease. Apply thermoplastic hot spray pavement marking only when pavement surface is dry. Use equipment that can apply material in variable widths from 2 inches to 12 inches. Apply material for full width of stripe in one application or pass. On concrete pavements, on HMA pavements more than seven days old, and on HMA pavements paved within seven days containing less than 6 percent bituminous asphalt, pre-stripe application area with binder material, primer, or prime seal coat recommended by pavement marker manufacturer. Line thickness, as viewed from lateral cross section, shall measure not less than 90 mils at edges, and not less than 125 mils in center.

361	
362	Provide finished lines with well-defined edges, free of
363	waviness.
364	
365	(D) Removal of Existing Pavement Markings. Completely remove
366	existing pavement markings and dispose of it off the project site before
367	performing the following activities: applying temporary or permanent traffic
368	paint, thermoplastic extrusion pavement marking, or preformed pavement
369	marking tape; and making changes in traffic pattern. Dispose of material in
370	accordance with Subsection 201.03(F) - Removal and Disposal of Material.
371	Use one of the following removal methods:
372	
373	(1) Grinding. Feather edges of grinding to make smooth transition
374	to existing roadway surface. Limit feathering to 3 inches beyond edge
375	of existing striping to be removed. Vary feathered edges to
376	differentiate them from traffic stripes. Coat ground asphalt pavement
377	with rapid-setting slurry.
378	
379	(2) Burning. Burn off existing painted pavement markings using
380	excess oxygen method.
381	
382	(3) Sandblasting. As work progresses, immediately remove sand
383	and other material deposited on pavement.
384	(A) the last law (PC) is a first state of the state of the last last last last last last last last
385	(4) Hydro-demolition. Use stripe-removing hydro-demolition
386	machine that has an integrated vacuum to collect water and debris
387	(e.g., Hog Technologies' Stripe Hog series or equal).
388	(E) Other Demove preferred performent mericing tend by methods
389	(5) Other. Remove preformed pavement marking tape by methods
390 391	recommended by manufacturers. Eradication of existing markings by painting over them will not be allowed.
	painting over them will not be allowed.
392 393	Damaged pavement due to pavement marking removal shall be
393 394	repaired. Submit remedial repair method to the Engineer for review and
394 395	acceptance. Repair damaged pavement at no increase in contract price or
396	contract time.
397	contract time.
398	629.04 Measurement.
399	
400	(A) The Engineer will measure thermoplastic and preformed pavement
400	marking tape per linear foot in accordance with the contract documents. The
402	longitudinal pavement markings, including profiled lane markings, will be
403	measured per linear foot as a single stripe for the width specified in the
404	contract and in the proposal. The Engineer will include the longitudinal gaps
405	for skip striping, up to thirty (30) feet long, in the measurement.
406	

406

407 The Engineer will measure the transverse markings by the linear foot 408 according to the contract. 409 410 The Engineer will not measure temporary pavement markings including flexible delineator posts with reflector makers or Type I Barricades and 411 412 temporary signs installed for the longitudinal guidance of public traffic over reconstructed areas, cold planed surfaces, newly paved surfaces or other 413 414 unmarked or scarified areas for payment. 415 416 The Contractor shall consider the work required for the removal of 417 pavement markings incidental to the various contract items, except as 418 provided in the proposal or elsewhere in the contract. 419 420 The Engineer will measure crosswalk markings per lane of traffic 421 marked according to the contract. 422 423 The Engineer will measure pavement arrows (single and multiple 424 heads), symbols, and words per each according to the contract. 425 426 The Engineer will measure the pavement markers per each for the **(B)** 427 types shown in the proposal. 428 429 The Engineer will measure the painted stripes that are twelve (12) (C) inches wide or less as a single stripe. The Engineer will measure the painted 430 431 stripes over twelve (12) inches wide as two (2) stripes. The Engineer will 432 measure the double stripes that are twelve (12) inches or less in total width 433 including the transverse space between the stripes as a single stripe. 434 435 The Engineer will measure the longitudinal pavement markings by the 436 linear foot according to the contract. Longitudinal gaps for skip striping that are 30 feet or less will be included in the measurement. 437 438 439 The Engineer will measure the transverse markings by the linear foot 440 according to the contract. 441 442 The Engineer will measure crosswalk markings per lane of traffic 443 marked according to the contract. 444 445 The Engineer will measure pavement arrows (single and multiple 446 heads), symbols, and words per each according to the contract. 447 448 The Engineer will measure the painted curb markings by the linear foot 449 according to the contract. 450 451 The Engineer will measure the tubular delineators per each according to the 452 contract. 453

454	
455	629.05 Payment.
456	
457	(A) The Engineer will pay for thermoplastic and preformed pavement
458	marking tape at the contract price per linear foot according to the contract,
459	complete in place, including primers.
460	
461	The Engineer will pay for double four (4) inch striping with a four (4)
462	inch space between stripes at the contract price per linear foot according to
463	the contract.
464	
465	The Engineer will pay for crosswalk markings at the contract price per
466	lane of traffic marked according to the contract.
467	
468	The Engineer will pay for pavement arrows (single and multiple heads),
469	symbols, and words at the contract price per each according to the contract.
470	
471	The contract unit price paid shall be full compensation for furnishing
472	labors, materials, tools, equipment and incidentals and for doing the work
473	involved in furnishing and installing pavement markings complete in place
474	according to the contract.
475	
476	The Engineer will not pay for the temporary pavement markings
477	including flexible delineator posts with reflector markers or Type I Barricades
478	and temporary signs installed for the longitudinal guidance of public traffic
479	over reconstructed areas, cold planed surfaces, newly paved surfaces or
480	other unmarked or scarified areas for payment if not shown in the proposal
481 482	separately. The Engineer will consider them incidental to the various contract items.
482 483	
483	(B) The Engineer will pay for the various types of pavement markers at the
485	contract price per each according to the contract, complete in place, including
486	adhesives.
487	
488	(C) The Engineer will pay for painted pavement striping at the contract price
489	per linear foot according to the contract.
490	
491	The Engineer will pay for crosswalk markings at the contract price per
492	lane of traffic marked according to the contract.
493	5
494	The Engineer will pay for pavement arrows (single or multiple arrow
495	heads), symbols, and words at the contract price per each according to the
496	contract.
497	
498	The Engineer will pay for the accepted quantities of curb markings at
499	the contract price per linear foot according to the contract.
500	

501 502 503	The Engineer will pay for tubular delineators at the contract price per each according to the contract.		
504 505	The Engineer will pay for the following pay items when proposal schedule:	included in the	
506 507	Pay Item	Pay Unit	
508	•	•	
509			
510	Inch Pavement Striping	Linear Foot	
511	(Thermoplastic Extrusion)		
512			
513	- Inch Stop Bar (Thermoplastic Extrusion)	Linear Feet	
514 515	Inch Long Striping, 10 East Profiled	Linear Foot	
515 516	 Inch Lane Striping, 10-Foot Profiled (Thermoplastic Extrusion) 	Lineal Fool	
517	(memoplastic Extrasion)		
518	Crosswalk Marking (Thermoplastic Extrusion)	Lane	
519			
520	Pavement Arrow (Thermoplastic Extrusion)	Each	
521			
522	Pavement Word (Thermoplastic Extrusion)	Each	
523	Deversent Overshell (The mean lestic Extrucion)	F ach	
524 525	Pavement Symbol (Thermoplastic Extrusion)	Each	
525 526	Type Pavement Marker	Each	
520		Eddin	
528	Tubular Delineator (Inch High)	Each"	
529			
530			
531			
532			
533			
534 525	END OF SECTION 629		
535			