Make the following Section a part of the Standard Specifications:

1 2 3

"SECTION 697- CLEAN AND PAINT EXISTING BRIDGE STEEL

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13 14 697.01 Description of Work. This work is for the refurbishment and maintenance painting of the Hanalei Bridge Pratt Truss structure and the beneath roadway Warren Truss structure. This specification discusses containment of the bridge to prevent the escape of construction debris to the surrounding air, Hanalei River and river banks and surrounding soil. It details power washing on all structural steel to be painted, Near White Metal blasting and repainting of the Warren Truss, and spot touch-up and overcoating of the Pratt Truss. Repainting of the Warren truss will include the use of epoxy primers and a fluoropolymer topcoat. Coatings used on the Pratt Truss will be single component moisture cure urethanes (MCU). The Pratt Truss is currently galvanized steel with a 3 coat MCU system.

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The Contractor awarded the work will be required to schedule, arrange and run a pre-job conference to discuss the pertinent issues of the work. The contractor shall be able to address the work schedule, containment, staffing, and discuss their understanding of the specification. A walk-thru of the work site, if applicable, will be part of the pre-job conference. At a minimum the Contractor's field foreman and QC representative shall be present.

22 23 24

REFERENCE STANDARDS

25 26 27

American Society for Testing Materials (ASTM)

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- ASTM D-4285 "Standard Test Method for Indicating Oil and Water in Compressed Air"
- ASTM D-4940 "Standard Test Method for Conductimetric Analysis of Blasting Media.
- ASTM D-4417C "Standard Test Method for Field Measurement of Surface Profile of Blast Cleaned Steel

35 36

Society of Protective Coatings (SSPC), now AMPP

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- 38 SSPC Volume 1 "Good Painting Practices"
- 39 SSPC-SP-1 "Solvent Cleaning
- 40 SSPC -SP-2 "Hand Tool Cleaning"
- 41 SSPC-SP-3 "Power Tool Cleaning"
- 42 SSPC-SP-11 "Power Tool Cleaning to Bare Metal"
- 43 SSPC-PA-2 "Measurement of Dry Coating Thickness with Magnetic Gages"
- 44 SSPC-QP-1, "Standard Procedure for Evaluating the Qualifications of
- 45 Industrial/Marine Painting Contractors"

SSPC-Guide 6, "Guide for Containing Surface Preparation Debris Generated during Paint Removal Operations."

SSPC-TG-15, Field Methods for Extraction and Analysis of Soluble Salts on Steel and Other Nonporous Substrates

697.02 Material Requirements.

- **(A) General.** In this Section, the words: coat; paint; coating and; painting are interchangeable. The word "system", when referencing coat or paint, means final product of several different, compatible coatings of paint. Specify the new paint or paint additive brand along with "or approved equal".
 - (1) The coating system for all steel surfaces to be painted on this project shall incorporate a custom system consisting of the following. The Pratt truss will be spot repaired and overcoated with a 3 coat Moisture Cured Urethane (MCU) system. The Warren Truss will be completely reblasted and coated with an organic zinc rich primer, an epoxy intermediate, and one topcoat of a FEVE fluoropolymer paint. For the Warren Truss, include a separate brush applied coat over all edges, corners, bolts, rivet heads, and weld seams (stripe coat).
 - NOTE: Recent inspection of the Pratt Truss has shown only minor areas of coating delamination to the galvanized layer. Such areas are to receive a 2 coat Moisture Cured Urethane (MCU) system consisting of the intermediate and topcoat system only, after proper surface preparation. Only areas where the galvanizing layer is corroded shall receive the full 3 coat MCU system.
 - **(2) Do not mix manufacturers.** The same manufacturer shall furnish the primer, intermediate, stripe, and topcoat.
 - (3) Color. Final colors shall match the existing cleaned coatings on the Hanalei Bridge; however the contractor's submission of color sample shall be submitted and approved in writing by the Engineer prior to the start of productive work. Photos of the existing bridge and color samples, along with any proprietary color references are all acceptable. The Engineer reserves the right to dictate the specific color scheme and sheen (gloss) to be applied.
 - (4) The Contractor shall submit color selection to the Engineer for review and final selection before ordering paint system products. Each coat of paint shall have distinctly contrasting shades of subsequent coats to be applied to aid in application and inspection.

91	(5) The (Coating Manufacturer shall submit a Certificate of
92	` ,	for the protective coatings stating that the Contractor can
93	•	oating between temperatures of 50-95F, and at relative
94	humidity no	greater than 85%. The certification shall state that the
95		complies with the requirements specified herein.
96		
97	(6) The C	oating Manufacturer shall prepare the paint at the factory,
98		olication. No field thinning or tinting will be allowed after
99	shipping the	
100	•	•
101	(7) Label	ing. Labels on containers shall show the exact title of the
102	` ,	nanufacturer's name, date of manufacture, date of
103	•	e manufacturer's batch number, product code and the lot
104		propriate. Package the paint in new approved containers.
105		concerning the handling and application of paint shall be
106		e label of all paint and clean-up solvent containers.
107		·
108	(B) Coatings Sp	pecified. Unless otherwise specified in accompanying
109	• • • • • • • •	ings used shall be in accordance with the following
110	coating scheme:	
111	· ·	
112	Warren Truss:	
113		n: SSPC SP-10 Near-White Metal Blasting (2.0-3.5 mil
114	profile)	
115	' '	
116	Primer:	Sherwin Williams ZincClad 4100 (organic zinc rich
117		primer) @ 2-6 mils DFT
118	Stripe Coat:	Sherwin Williams Macropoxy 646 (fast cure epoxy) @ 3-
119	·	5 mils DFT
120	Intermediate:	Sherwin Williams Macropoxy 646 (fast cure epoxy) @ 3-
121		10 mils DFT
122	Topcoat:	Sherwin Williams Fluorokem HS100 (FEVE
123		Fluoropolymer) @ 3-4 mils DFT. The topcoat shall have
124		a low gloss finish as described under section (C) Paint
125		System Requirements below.
126		
127	OR	
128		
129	Primer:	Tnemec 94 H ₂ O Hydrozinc (organic zinc rich primer)
130		@ 2.5-3.5 mils DFT
131	Stripe Coat:	Tnemec Epoxoline II Series V69 (hi build polyamide
132		epoxy primer) @ 4-6 mils DFT
133	Intermediate:	Tnemec Epoxoline II Series V69 (polyamide epoxy
134		primer) @ 4-6 mils DFT

135 136 137 138 139	Topcoat:	Tnemec Fluoronar Series 1072V (FEVE Fluoropolymer) @ 2-3 mils DFT. The topcoat shall have a low gloss finish as described under section (C) Paint System Requirements below.
140 141 142 143	Pratt Truss Surface Preparation and defective areas	n: SP-2/SP-3/SP-11 Spot repair to existing sound coating s.
144 145 146	-	ediate and topcoat shall be a Moisture Cure Urethane n to the following scheme:
147 148 149 150	Primer:	Single component zinc-rich component MCU, capable of being applied at 3 mils minimum DFT. The VOC shall be at or under 340 g/l (2.8 lbs/gal).
150 151 152 153	NOTE: The primer areas only.	r shall only be used on Pratt Truss bare steel touch-up
154 155 156 157	Intermediate:	Single component micaceous iron oxide (MIOX) filled MCU, capable of being applied at 3 mils minimum DFT. The VOC shall be at or under 340 g/l (2.8 lbs/gal).
158 159 160 161 162 163	Topcoat:	Single component micaceous iron oxide (MIOX) filled aliphatic MCU, capable of being applied at 2 mils minimum DFT. The VOC shall be at or under 340 g/l (2.8 lbs/gal). The topcoat shall have a low gloss finish as described under section (C) Paint System Requirements below.
164 165 166 167		systems, meeting the above parameters are as follows, coating systems are not limited to these:
168 169 170 171 172	Wasser High Tech Primer: Intermediate: Topcoat:	Coatings MC Zinc 100 @3-5 mils DFT (for bare steel areas only) MC-Miomastic 100 @ 3-5 mils DFT MC-Ferrox A @ 2-4 mils DFT
173 174 175	OR Wasser High Tech	Coatings
175 176 177 178 179	Primer: Intermediate: Topcoat:	MC Zinc 100 @3-5 mils DFT (for bare steel areas only) MC-Ferrox B 100 @ 3-5 mils DFT MC-Ferrox A @ 2-4 mils DFT

180	OR	
181		
182	Sherwin William	s
183	Primer:	Corothane I GalvaPack zinc primer @ 3-4 mils DFT (for
184		bare steel areas only)
185	Intermediate:	Corothane I Ironox B @ 3-5 mils DFT
186	Topcoat:	Corothane I HS Aliphatic Finish coat @ 2-3 mils DFT
187	'	
188		
189	(C) Paint Sys	stem Requirements.
190	• • • • • • • • • • • • • • • • • • • •	·
191	(1) Fo	r the Warren Truss, the topcoat shall be of Fluoropolymer
192		VE technology and selected from the following
193		anufacturers: Sherwin Williams (Fluorekem 100HS), and
194		emec Company, Inc. (Fluoronar Series 1072V). The gloss
195		rel shall be a matte finish, having a specular gloss of 10 or
196		low.
197	(2) Fo	r the Pratt Truss, the coatings (primer, midcoat and topcoat)
198		all be Moisture Cured Urethane technology, to match the
199	ex	isting coating scheme. The gloss level shall be a matte
200		ish, having a specular gloss of 10 or below.
201		
202	In the eve	nt the supplier cannot provide the aforementioned coatings,
203		actor shall submit for approval an alternate MCU coating
204		r review. The submittal shall include documentation that the
205	_	specified system cannot be obtained, and the manufacturer's
206		/ product data sheets of the alternate system detailing
207		volume solids, application parameters, recommended
208	thickness	, and VOC, shall be submitted. This literature shall include a
209	reference	list of equivalent structural projects where the proposed
210		tem was used, detailing dates, facility owner and coating
211		r. No request for substitution will be considered that would
212	decrease	film thickness and/or number of coats or offer a change in
213	the gener	ic type of coating specified.
214		
215	(3) Wi	nen the proposed Paint System manufacturer's literature
216	requires	a higher degree of surface preparation or a greater film
217	thickness	than specified herein, that degree of surface preparation
218	and film t	hickness shall apply, at no additional cost to the State.
219		
220	(4) Th	e proposed paint system shall have a minimum of two years'
221	field expo	sure on similar structures.
222		
223	(5) No	substitution will be considered unless request for approval
224	has been	submitted by the bidder and has been approved by the

225		Engineer at least 10 days prior to close of bids. The burden of proof
226		of the merit of the proposed substitute is upon the proposer. The
227		Engineer's decision of approval of disapproval of the proposed
228		substitution shall be final.
229		
230	697.0	Construction Requirements.
231		
232	(A)	General.
233	` ,	
234		(1) The coating Contractor shall comply with the current, State,
235		Federal and local laws and regulations pertaining to the protection of
236		the environment in the performance of this type of work. These
237		include but are not limited to regulations required by the State
238		Department of Health (DOH), and Federal Environmental Protection
239		Agency (EPA) rules and regulations.
240		9, (=,
241		(2) The coating Contractor shall comply with the current Federal
242		Occupational Safety and Health Administration (OSHA) and Hawaii
243		Occupational Safety and Health (HIOSH) requirements for worker
244		protection and safety equipment during all work on this project.
245		Francisco and company of the francisco and the f
246		(3) The painting contractor shall be certified to SSPC-QP-1, Field
247		Application to Complex Marine and Industrial Structures.
248		The state of the s
249		(4) All surface preparation and painting operations shall be
250		inspected by a NACE CIP Level 1 Basic coating inspector, to be
251		supplied by the Contractor. At a minimum, the inspector shall be
252		present for all checkpoints listed in this specification. Inspections shall
253		detail environmental conditions throughout the working day, , coating
254		processes used, surface preparation processes used, DFT coating
255		thicknesses of each coat, recoat windows, discrepancies, corrective
256		actions, coatings applied, and any other pertinent information listed on
257		submittal forms
258		
259	(B)	Site Preparations.
260	` ,	•
261		(1) The Contractor's work shall, at all times, be made accessible to
262		the Engineer. Contractor shall provide all safety, fall protection,
263		access and scaffolding needs for the Engineer. The Contractor shall
264		make ground level or superstructure access to all bents using man-
265		lifts, ladders and/or scaffolding or stairs.
266		· ·
267		
268		
269		

270 271	(C)	Containment of Work and Protection of the Environment
272		(1) In order to protect the surrounding natural environment and
273		work environment, the Contractor will be required to contain
274		each work area so that there is no escape of water-was
275		effluent, paint debris, abrasive blast media or dust, and an
276		other construction debris to the surrounding area. In addition
277		care should be taken to contain any overspray to escape into
278		the surrounding environment, above and under the structure
279		The contractor shall construct a containment, or multiple
280		containments, capable of containing all material as describe
281		above. The contractor shall incorporate SSPC Guide 6 into
282		their design submittals.
283		(2) Containment material shall be water impermeable where water
284		washing will take place, and with rigid floor construction to air
285		in collection of spent abrasive where abrasive blasting will take
286		place.
287		(3) Wash water effluent shall be removed on an ongoing basi
288		throughout the project as to not interfere with ongoing
289		operations. Containment of the work area shall remain in place
290		until the final coat of paint has been cured, inspected, and
291		accepted by the Engineer.
292		accepted by the Linguisection
293	(D)	Surface Cleaning and Preparation. The coating Contractor sha
294	` ,	re the bridge steel as specified below:
295	' '	
296		(1) Before any surface preparation, remove all visible and non
297		visible contaminants described herein by methods specified in SSPC
298		SP1 Solvent Cleaning. General cleaning shall be accomplished using
299		Low Pressure Water Cleaning (as defined in SSPC WJ-2/NACE WJ-2
300		at minimum working pressures of 1000 psi, not to exceed 3000 ps
301		using fresh water. For the purposes of this specification, fresh water
302		shall be defined as local potable water quality.
303		
304		(NOTE: For the above deck Pratt truss structure and below deck
305		transom beam, additional means above LPWC may be necessary
306		to remove tightly adherent dirt and moss. Hand tools such as
307		scrapers and Greenie pads may be necessary to achieve a
308		contaminant-free surface.) Care must be taken to not damage
309		tightly adherent coatings.
310		- ·
311		(NOTE: All sources of compressed air shall be tested daily and
312		verified to be clean, dry, and oil free per ASTM D-4285.)
313		

314 315 316	(2) Vacuum or air blow-down (using clean, dry and oil-free air) shall be used to remove any standing water and to aid in drying surfaces prior to mechanical methods of surface preparation.
317	
318	(3) Surface preparation of all Warren Truss steel shall be in
319	accordance with Society of Protective Coatings standard SSPC-SP-10
320	Near White Metal Blasting. Blast profile shall be an anchor tooth
321	profile of 2.0 – 3.5 mils, and shall be accomplished with an approved
322	abrasive of sufficient grit size to achieve the proper profile.
323	asiasire el camelent gin elle te demete alle proper preme.
324	(4) After power washing the Pratt Truss surfaces, perform a
325	thorough SP-2/SP-3 Hand Tool/Power Tool surface preparation over
326	all steel surfaces to ensure only tightly adherent coatings remain. In
327	areas of coating delamination, feather edge existing tightly adherent
328	coatings to base layers with by SP-2 or SP-3 methods.
329	(E) After CD 2/CD 2 electring ourfaces to be elected may require
330	(5) After SP-2/SP-3 cleaning, surfaces to be cleaned may require
331	an additional SP-1 solvent cleaning prior to painting.
332	NOTE ON OC CHECKBOINTS Contractor shall inform
333	NOTE ON QC CHECKPOINTS - Coating Contractor shall inform
334	Engineer at least 2 days prior to QC Checkpoint operations. In the
335	event the Engineer is not present at the requested time, the
336	Contractor may proceed to the next evolution, provided that
337	Contractor documents QC data on the required data sheets, and
338	written approval is obtained from the Engineer.
339	
340	QC Checkpoint - Cleanliness
341 L	
342	All (
343	All surfaces to be prepared shall meet the requirements of SSPC-SP-
344	1 Solvent Cleaning. Surfaces shall be cleaned so that chloride
345	measurements taken on the washed steel measure under 10 μg/cm ²
346	chlorides as measured with any method detailed in SSPC Technology
347	Guide 15. A minimum of 1 measurement shall be made for each
348	1000 ft ² of surface washed. Surface conductivity may be substituted
349	for chlorides. Conductivity shall measure less than 100 μS/cm.
350	
351	QC Checkpoint - Chlorides
352 L	- The product of the
353	
354 (E)	Surface Preparation and Coating Application for Touch-up areas.
355 A tou	ich-up area is any area on the steel which includes a surface defect
	as a gouge, scrape, or any area that has been damaged during the
	ing, transportation, ongoing bridge construction, or surface preparation

358	that has damaged the primer and exposed bare steel. Areas burned by torch
359	cutting and welding are also included as touch-up.
360	
361	(1) Prepare damaged area(s) to sound coating or steel using
362	methods described in SSPC-SP-2 Hand Tool Cleaning, SSPC-SP-3
363	Power Tool Cleaning,. If damaged area is to bare steel, ensure that
364	the exposed steel has a surface profile of 2.0 – 3.5 mils profile, using
365	methods described in ASTM D4417C. Note that rotary disc sanding
366	will destroy existing profile on the steel, so establishment of a profile
367	by mechanical impact tooling such as needle guns, Bristle Blasters™,
368	or roto-peens will be necessary.
369	
370	(2) Ensure that the surrounding area to intact coating is feathered
371	smooth to eliminate rough edges.
372	
373	(3) Any single repair area under 4 in ² may be repaired with SP-
374	2/SP-3 methods, as approved by the Engineer. Any repair area over
375	4 in ² bare rusting steel shall be prepared in accordance with SP-11.
376	For touch-up on Pratt Truss, care shall be taken to not destroy or
377	remove underlying galvanizing layer on the underlying steel. If
378	galvanizing is removed, zinc based primer shall be used in the touch-
379	up process.
380	
381	(4) Remove any dust, residue and debris prior to paint touch-up
382	according to SP-1.
383	3
384	(5) Apply touch-up coats of the entire selected coating system if
385	the damage exposes bare substrate steel. Application shall be by
386	brush to specified thicknesses, in accordance with manufacturer's
387	Product Data Sheet (PDS)
388	
389	(6) Follow Subsection "(G) Application Requirements (Primer,
390	Intermediate and Topcoat)" for application of coats.
391	intermediate and reposaty for application of seate.
392	QC Preparation and Application for Touch-Up areas - All areas on
393	the Pratt and Warren Truss prepared and touched-up shall be verified
394	for completeness by the Engineer prior to application of the Topcoat.
39 4 395	ior completeness by the Engineer prior to application of the Topcoat.
396	OO Ob solve sint. To yok He
397	QC Checkpoint – Touch-Up
398	
399	(F) Application of Stripe Coat (for Warren Truss)
400	(i) Application of outpe coat (for waiten 11433)
400 401	(1) Prior to etrip coating verify all surfaces are clean and
	(1) Prior to strip coating, verify all surfaces are clean and
402	contaminant free according to SSPC SP-1.

- All stripe coating shall be accomplished by brush. Striping shall be applied to all edges, crevices, nuts, bolts, weld seams and tight metal-to-metal joints, with the selected epoxy intermediate coating. Stripe coat shall be of distinctly contrasting color of intermediate and topcoat to aid in determining coverage. During application, immediately brush out any runs, drips, sags or puddles. Stripe coating shall cover all edges of the structure, extending approximately ½" on either side of the edge, where applicable.
- (3) Galvanized nuts and bolts, if applicable, shall be wire brushed, solvent wiped and striped and painted as described herein.

QC Checkpoint – Stripe Coat

Verify stripe coat is applied to all applicable surfaces with no visible holidays and in accordance with good painting practice as detailed in SSPC PA-1.

- (G) Application Requirements (Prime Coat, Intermediate, and Topcoat), where applicable for all areas.
 - (1) The Contractor shall paint the bridge repair areas according to the best practices of the trade, in conformance with the recommendations of the coating manufacturer as delineated in the Product Data Sheets, observing all recommended environmental conditions, recoat windows, wet and dry film thicknesses, and in conformance with applicable portions of the Steel Structures Painting Council Specification SSPC-PA 1, except where superseded by these specifications.
 - (2) Coating applicators shall use wet film thickness (WFT) gages periodically to ensure proper application thicknesses. Periodic WFT measurements shall be made during paint application utilizing an approved wet film thickness gage. After sufficient cure time, dry film thickness readings shall be taken with a calibrated electronic gage, of each coat in accordance with SSPC-PA-2. DFT measurements shall not be made in areas of stripe coat, as these will be higher than specified ranges. Where thickness measurements fall below the specified minimum, make additional application of paint as necessary to meet the thickness required, at no additional cost to the State.

QC Checkpoints- Intermediate and Topcoat

448		Verify substrate cleanliness immediately prior to prime coat
449		application. Clean in accordance with SSPC SP-1 if not clean prior to
450		application of prime coat.
451		
452		After cure of prime coat, accomplish a visual holiday inspection and
453		rectify any discrepancies according to the Engineer.
454		
455		Verify substrate cleanliness immediately prior to intermediate
456		application. Clean in accordance with SSPC SP-1 if not clean prior to
457		application of intermediate coat.
458		
459		After cure of intermediate coat, accomplish a visual holiday inspection
460		and rectify any discrepancies according to the Engineer.
461		and really any alcohopanicies according to the Engineer.
462		Verify substrate cleanliness immediately prior to topcoat application.
463		Clean in accordance with SSPC SP-1 if not clean prior to application
464		of topcoat.
465		or topocat.
466		After cure of topcoat, accomplish a visual holiday inspection and
467		rectify any discrepancies according to the Engineer.
468		Tooling arry alcoropariolog according to the Engineer.
469		Verify DFT readings of prime, intermediate and topcoats in
470		accordance with SSPC PA-2, according to the DFT schedule listed for
471		the selected coating system.
472		and delicated deating dysterm
473		(3) Sufficient time shall elapse between successive coats to permit
474		them to dry properly for recoating. Consult specific Product Data
475		Sheet (PDS) for proper cure times. If any appreciable time elapses
476		between painting operations, as judged by the Engineer, the coating
477		manufacturer or Contractor shall re-clean surfaces before restarting
478		painting operations.
479		painting operations.
480		(4) Apply coatings via airless spray utilizing approved equipment
481		standard to the industry according to the instruction of the paint
482		manufacturer. Topcoats shall be applied by airless spray to a smooth
483		even finish free of runs, drips, sags, dry-spray, orange-peel, and
484		holidays. (All stripe coating of the Warren Truss, and localized touch-
485		up, as on the Pratt Truss, shall be applied by brush.)
486		up, as on the Fratt Truss, shall be applied by brush.
487	(H)	Submittals.
488	(11)	Submittais.
489		(1) Paint Manufacturer's Product Data Shoot (PDS) The
490		(1) Paint Manufacturer's Product Data Sheet (PDS). The
		Contractor shall submit paint manufacturer's paint product data
491		sheet with their written warranty, including the conditions
492		limiting the warranty. Product Certificates of Conformance

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(CoC's) shall accompany all material used under this specification and shall be submitted. Any alternate materials, as described above shall be submitted to the Engineer for review at least 7 days prior to the start of production work.

- (2) Paint Manufacturer's Safety Data Sheets (SDS). The contractor shall submit the corresponding SDS for each material supplied, including intermediate, stripe, and topcoats, along with thinning/cleaning solvents.
- (3) Abrasive. If applicable, type and size of abrasive, along with any pertinent documentation and Certificates of Conformance shall be submitted for the abrasive used in abrasive blasting operations. The CoC for the abrasive media shall list abrasive cleanliness testing results per ASTM D4940.
- (4) Coating contractor's Quality Control (QC) reports. The Contractor shall maintain daily surface preparation and coating inspection reports in accordance with details of the QP-1 Contractor Certification. The reports shall detail the work performed, noting areas prepared/painted, environmental conditions throughout the day (to include Substrate Temperature, Ambient Temperature, Dew Point, and Relative Humidity), product applied, batch numbers, date of manufacture, acceptance criteria, QC data, notes and any problems encountered. A weekly report shall be compiled from the daily reports and submitted to the Engineer on a weekly basis. A sample blank copy of the daily inspection report to be used shall be submitted to the Engineer prior to the start of production work.
- (5) Coating Contractor's Work Plan. Within two weeks of starting production work, the contractor shall submit a Coating Work Plan, detailing a timetable of significant events for the entire bridge repainting process. The work plan, at a minimum, will detail coating contractor name and location, days and working hours, traffic flow disruptions, dates of mobilization, dates of containment erection, preparation and coating activities, specific equipment and methods used, and abrasive media (if applicable) data sheets, final acceptance and demobilization.
- (6) Name and resume of proposed NACE CIP Level 1 Basic coating inspector. This shall include details of past inspection activities.

538	
539	(7) Containment Design. Details of the level of Class and
540	containment (per SSPC Guide 6), details of materials of
541	construction, framing, penetrability, joints and ventilation, and
542	lighting, if applicable. See Special Provisions Section 209 for
543	additional information regarding the necessary BMP's,
544	containment, and work platform as well as for measurement
545	and payment information.
546	
547	(I) Cleanup and Disposal. The Contractor shall clean up the entire
548	project site of painting, cleaning debris, containment, masking material,
549	BMP's and other debris caused by the Contractor's operations, before
550	receiving final payment. This work shall be considered incidental to the
551	other contract items.
552	
553	
554	QC Checkpoint- Final Acceptance
555	QC Checkpoint- I mai Acceptance
556	
557	697.04 Measurement.
558	
559	(A) Clean and paint existing steel members will be paid on a lump sum
560	basis. Measurement for payment will not apply. Removal and disposal of
561	power washing water and debris, and the use of a NACE CIP Level 1 Basic
562	coating inspector shall be considered incidental to cleaning and painting steel
563	members.
564	
565	697.05 Payment. The Engineer will pay for the accepted pay item listed below
566	at contract price per lump sum, as shown in the proposal schedule. Payment will
567	be full compensation for work prescribed in this section and contract documents.
568	
569	The Engineer will pay for the following pay item when included in proposal
570	schedule:
571	
572	Pay Item Pay Unit
573	
574	Clean and Paint Existing Steel Members – Lump Sum
575	
576	
577	
578	END OF SECTION 697"