
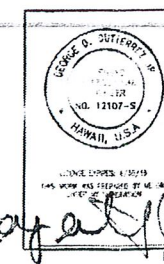


ESTIMATED QUANTITIES (STRUCTURAL)			
ITEM NO.	ITEM	QUANTITY	UNIT
209.0100	Installation, Maintenance, Monitoring and Removal of BMP	L.S.	L.S.
209.0200	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.
501.0010	Replace Steel Truss Rivets with Button-head H.S. Bolts	6,000	EA.
501.0015	Replace Steel Truss Rivets with Standard H.S. Bolts	1,200	EA.
501.0020	Repair Steel Truss Gusset Plates	F.A.	F.A.
501.0030	Repair Steel Truss Top Chords	8,500	LB.
501.0040	Repair Steel Truss Bottom Chords	750	LB.
501.0050	Repair Truss Web Members	1,500	LB.
501.0060	Repair Steel Truss Lacing Bars	1,500	EA.
501.0070	Repair Steel Truss Stay Plates	20	EA.
501.0080	Repair Steel Truss Bearing Connections	L.S.	L.S.
501.0100	Repair Steel Upper Lateral Bracing, Sway Bracing, and Portal Bracing	L.S.	L.S.
501.0200	Repair Steel Floor Beams, Deck Stringers, and Walkway Stringers	L.S.	L.S.
501.0300	Repair Steel Lower Lateral X-Bracing	L.S.	L.S.
501.0400	Repair Steel Walkway Cantilever Truss	L.S.	L.S.
501.0500	Repair Steel Hanger Framing Below Bridge Deck	F.A.	F.A.
501.0600	Repair Steel Below Walkway Cover Plates	F.A.	F.A.
501.0700	Replace Walkway Deck Joint Steel Cover Plates	L.S.	L.S.
507.1000	Repair Steel Pedestrian Railing (Including Painting and C.L. Fabric)	L.S.	L.S.
507.2000	Repair Steel Guardrail Beams	L.S.	L.S.
509.0100	Repair Concrete Delaminations and Spalls in Deck Soffit	2,000	S.F.
509.0200	Repair Concrete Delamination and Spalls (Other Areas)	1,000	S.F.
509.2000	Repair Concrete Cracks by Epoxy Injection	1,000	L.F.
509.3000	Reinforcing Steel Splices	500	LB.
648.1000	Field Posted Drawings	L.S.	L.S.
694.1000	Clean and Paint Bridge Steel (Except Pedestrian Railing)	L.S.	L.S.
695.1000	Lead Certified Supervisor or Project Designer	F.A.	F.A.
695.2000	Industrial Hygienist Technician	F.A.	F.A.
695.3000	Removal and Disposal of Lead-Based Paint	F.A.	F.A.
696.1000	Field Office Trailer (not to exceed \$100,000.00)	L.S.	L.S.
696.2000	Maintenance of Trailers	F.A.	F.A.
699.1000	Mobilization (Not to Exceed 6 Percent of the Sum of all Items Excluding the Bid Price of this Item)	L.S.	L.S.

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	BR-080-1012	2014	ADD. 23	32

DATE	11/25/14
BY	[Signature]
TITLE	REVISION

 Revised Pay Item 501.0020  
 11/25/14  
 DATE REVISION



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**ESTIMATED QUANTITIES (STRUCTURAL)**  
**KAMEHAMEHA HIGHWAY**  
**Repair and Repaint Karsten Thor Bridge**  
**Federal Aid Project No. BR-080-1012**  
 Scale: No Scale Date: Sept 2014  
 SHEET No. 31.4 OF 4 SHEETS

ADD. 23