Summary of Concrete Quantities

Location	Structural Concrete	HPC Struct. Concrete
___ Abut. Ftg. + Bkwl. + Wing Ext. + Maskwall		
___ Abut. Ftg. + Bkwl. + Wing Ext. + Maskwall		
Bridge Deck **		
Abutment Wings		
Wing Counterforts		
Intermediate Diaphragms		
Pier No. 1		
Pier No. 2		
Light Pole Base		
Approach Sidewalk		
** Includes Abutment and Pier Diaphragms for PCC		
Total (Cu. Yds.)		

Summary of Reinforcing Steel

Location	Non-Coated Reinforcing Steel	Stainless Steel Reinforcing Steel	Epoxy Coated Reinforcing Steel
___ Abut. Ftg. + Bkwl. + Wing Ext. + Maskwall			
___ Abut. Ftg. + Bkwl. + Wing Ext. + Maskwall			
Bridge Deck + Abutment Footing **			
Abutment Wings			
Wing Counterforts			
Intermediate Diaphragms			
Barrier Rail - ___ Rail			
Barrier Rail - ___ Rail			
Barrier Rail End Section	----------	4 at ____	4 at ____
Pier No. 1			
Pier No. 2			
Light Pole Base			
Approach Sidewalk			
** Includes Abutment and Pier Diaphragms for PCC			
Total (Lbs.)			

Summary of Excavation

Location	Class 20 Excavation	Class ___ Excavation
__ Abutment		
__ Abutment		
Pier No. 1		
Pier No. 2		
Total (Cu. Yds.)		

Summary of Foundations

Location	Substructure Type	Foundation Type	Number	Length (Lin. Ft.)	Total (Lin. Ft.)
__ Abutment					
__ Abutment					
Pier No. 1					
Pier No. 2					

Foundation Types

HP10x42
HP10x57
HP12x53
HP14x73
HP14x89
Timber Foundation Piling
Timber Trestle - Pile Bents
___ Inch Drilled Shaft
12" Prestressed Concrete
14" Prestressed Concrete
16" Prestressed Concrete
Spread Footing

Substructure Type

Integral Abutment
Stub Abutment
Semi-Integral Abutment
Frame Pier
Vee Pier
Tee Pier
Diaphragm Pier
Pile Bent Pier
Other

Bearing Types

Plain Neoprene 1"
Plain Neoprene Tapered
Laminated Neoprene
Laminated Neoprene/Curved Sole Plate - Assembly
Masonry Plate/Curved Sole Plate - Assembly
Masonry Plate/Bronze Bearing - Assembly
Rocker/Masonry Plate - Assembly
Fixed Shoe - Assembly
Pot Bearing Assembly
Disc Bearing Assembly
S3 x 7.5
3 x 3 Bar

Associated Bid Item

Incidental Item
Incidental Item
Incidental Item
* Structural Steel
¬ Structural Steel
¬ Structural Steel
¬¬ Structural Steel
¬¬ Structural Steel
Each
Each
Incidental Item
Incidental Item

Summary of Structural Steel

	Location		Total (Lbs.)
	Bridge Deck Drains		
④	Diaphragms		
	__ Abutment Bearings		
	__ Abutment Bearings		
	Pier No. 1 Bearings		
	Pier No. 2 Bearings		
	Welded Girders	Interior Girders ① ____ at ____	
		Exterior Girders ① 2 at ____	
	Diaphragms ②		
		Total (Lbs.)	

① Girder Weight includes Studs, Bearing Stiffeners, Intermediate Stiffeners, Connection Plates, Splice Plates, Bolts, Welds and Flange Deflectors.

② Diaphragms include all Intermediate, Abutment and Pier Diaphragm Material, including Bolts and Welds. Also includes any Lateral Bracing Material.

④ Designer Note - This item is used when PPCB Bridges use Steel Intermediate Diaphragms.

Summary of Bearings

Location	Bearing Type	Number	Associated Bid Item
__ Abutment			
__ Abutment			
Pier No. 1			
Pier No. 2			

PPCB Bridges

* Curved Sole Plates and Laminated Neoprene Pads are incidental to PPC Beams

¬ Curved Sole Plates are incidental to PPC Beams

Steel Bridges

* Laminated Pads are incidental to Structural Steel

¬¬ Includes Sole ¢ and Anchor Bolts

Stub Abutment Welded Girder or PPCB Bridges

Design For

End Spans Interior Span

Summary Quantities Sheet

STA. ( ) Turn-in Date:

County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 000 of FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.0	

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