SUMMARY OF CONCRETE QUANTITIES

LOCATION		STRUCTURAL CONCRETE	HPC STRUCT. CONCRETE
ABUTMENT FOOTINGS		-----	-----
ABUTMENT WINGS		-----	-----
____ ABUTMENT CONCRETE ***		-----	-----
____ ABUTMENT CONCRETE ***		-----	-----
SLAB + HAUNCH + ABUT. DIAPH. + WINGWALLS SECT. 1 & 3		-----	-----
SLAB + HAUNCH SECTION 2		-----	-----
SLAB + HAUNCH + PIER DIAPH. SECTION 4 & 5		-----	-----
INTERMEDIATE DIAPHRAGMS (IF CONCRETE DIAPHRAGMS)		-----	-----
PIER NO. 1	CAP	-----	-----
	STEP CONCRETE ***	-----	-----
	COLUMN	-----	-----
	FOOTING	-----	-----
PIER NO. 2	CAP	-----	-----
	STEP CONCRETE ***	-----	-----
	COLUMN	-----	-----
	FOOTING	-----	-----
TOTAL (CU. YDS.)		-----	-----

*** SEE APPROPRIATE ADDITIONAL QUANTITIES STANDARD SHEETS FOR SKEWED BRIDGES.

SUMMARY OF REINFORCING STEEL

LOCATION		NON-COATED REINFORCING STEEL	STAINLESS STEEL REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
SUPERSTRUCTURE AND TWO ABUTMENTS **		-----	-----	-----
INTERMEDIATE DIAPHRAGMS (CONCRETE DIAPHRAGMS)		-----	-----	-----
BARRIER RAIL - TWO RAILS		-----	2 AT _____	2 AT _____
BARRIER RAIL END SECTIONS		-----	4 AT _____	4 AT _____
PIER NO. 1	CAP	-----	-----	-----
	STEP REINFORCING ***	-----	-----	-----
	COLUMN	-----	-----	-----
	FOOTING	-----	-----	-----
PIER NO. 2	CAP	-----	-----	-----
	STEP REINFORCING ***	-----	-----	-----
	COLUMN	-----	-----	-----
	FOOTING	-----	-----	-----
** EXCLUDES RAIL REINFORCING. INCLUDES ____ LBS. FOR PILE SPIRALS AND SPACERS WITH OPTIONAL EPOXY COATING				
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	INTEGRAL ABUTMENT	-----	-----	-----	-----
____ ABUTMENT	INTEGRAL ABUTMENT	-----	-----	-----	-----
PIER NO. 1		-----	-----	-----	-----
PIER NO. 2		-----	-----	-----	-----

FOUNDATION TYPES

HP10x42
HP10x57
HP12x53
HP14x73
HP14x89
TIMBER FOUNDATION PILING
TIMBER TRESTLE - PILE BENTS
SPREAD FOOTING

SUBSTRUCTURE TYPE

TEE PIER
PILE BENT PIER
OTHER

BEARING TYPES

PLAIN NEOPRENE 1"
PLAIN NEOPRENE TAPERED
LAMINATED NEOPRENE/CURVED SOLE PLATE - ASSEMBLY

ASSOCIATED BID ITEM

INCIDENTAL ITEM
INCIDENTAL ITEM
* STRUCTURAL STEEL

SUMMARY OF STRUCTURAL STEEL

LOCATION	TOTAL (LBS.)
BRIDGE DECK DRAINS	-----
INTERMEDIATE DIAPHRAGMS	-----
PIER NO. 1 BEARINGS	-----
PIER NO. 2 BEARINGS	-----
TOTAL (LBS.)	-----

SUMMARY OF BEARINGS

LOCATION	BEARING TYPE	SLOPE %	NUMBER	ASSOCIATED BID ITEM
_____ ABUTMENT	S3 x 7.5	-----	-----	INCIDENTAL ITEM
_____ ABUTMENT	S3 x 7.5	-----	-----	INCIDENTAL ITEM
PIER NO. 1	-----	-----	-----	-----
PIER NO. 2	-----	-----	-----	-----

* CURVED SOLE PLATES AND LAMINATED NEOPRENE PADS ARE INCIDENTAL TO PPC BEAMS

H40 & H44 PPCB BRIDGE STANDARDS

SUMMARY QUANTITIES SHEET

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. ____ OF ____ FILE NO. _____ DESIGN NO. _____

DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER

SUMMARY OF CONCRETE QUANTITIES

LOCATION	STRUCTURAL CONCRETE	HPC STRUCT. CONCRETE
__ ABUTMENT FOOTING	-----	-----
__ ABUTMENT FOOTING	-----	-----
BRIDGE DECK + ABUT. & PIER DIAPHAGMS	-----	-----
ABUTMENT WINGS	-----	-----
INTERMEDIATE DIAPHRAGMS	-----	-----
PIER NO. 1	-----	-----
PIER NO. 2	-----	-----
LIGHT POLE BASE	-----	-----
APPROACH SIDEWALK	-----	-----
TOTAL (CU. YDS.)	-----	-----

SUMMARY OF REINFORCING STEEL

LOCATION	NON-COATED REINFORCING STEEL	STAINLESS STEEL REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
BRIDGE DECK + ABUTMENT FOOTING **	-----	-----	-----
ABUTMENT WINGS	-----	-----	-----
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			
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
Δ STRUCTURAL STEEL
Δ STRUCTURAL STEEL
ΔΔ STRUCTURAL STEEL
ΔΔ STRUCTURAL STEEL
EACH
EACH
INCIDENTAL ITEM
INCIDENTAL ITEM

SUMMARY OF STRUCTURAL STEEL

	LOCATION		TOTAL (LBS.)
	BRIDGE DECK DRAINS		-----
(4)	DIAPHRAGMS		-----
	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

Δ CURVED SOLE PLATES ARE INCIDENTAL TO PPC BEAMS

STEEL BRIDGES

* LAMINATED PADS ARE INCIDENTAL TO STRUCTURAL STEEL

ΔΔ INCLUDES SOLE PL AND ANCHOR BOLTS

INTEGRAL ABUTMENT WELDED GIRDER OR PPCB BRIDGES

SUMMARY QUANTITIES SHEET

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. ____ OF ____ FILE NO. _____ DESIGN NO. _____

DESIGN TEAM | COUNTY | PROJECT NUMBER | SHEET NUMBER

SUMMARY OF CONCRETE QUANTITIES

LOCATION	STRUCTURAL CONCRETE	HPC STRUCT. CONCRETE
PIER NO. 1 NON-MONOLITHIC CAP	-----	-----
PIER NO. 2 NON-MONOLITHIC CAP	-----	-----
__ ABUTMENT FOOTING	-----	-----
__ ABUTMENT FOOTING	-----	-----
SUPERSTRUCTURE	-----	-----
TOTAL (CU. YDS.)	-----	-----

SUMMARY OF REINFORCING STEEL

LOCATION	NON-COATED REINFORCING STEEL	STAINLESS STEEL REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
SUPERSTRUCTURE WITH BARRIER/OPEN RAIL	-----	-----	-----
__ ABUTMENT FOOTING	-----	-----	-----
__ ABUTMENT FOOTING	-----	-----	-----
PIER NO. 1 NON-MONOLITHIC CAP	-----	-----	-----
PIER NO. 2 NON-MONOLITHIC CAP	-----	-----	-----
TOTAL (LBS.)	-----	-----	-----

SUMMARY OF EXCAVATION

LOCATION	CLASS 20 EXCAVATION	CLASS ___ EXCAVATION
__ ABUTMENT	-----	-----
__ ABUTMENT	-----	-----
SEE DES. SHEET ?? FOR CLASS 10 EXCAVATION		
TOTAL (CU. YDS.)	-----	-----

SUMMARY OF FOUNDATIONS

LOCATION	SUBSTRUCTURE TYPE	FOUNDATION TYPE	NUMBER	LENGTH (LIN. FT.)	TOTAL (LIN. FT.)
__ ABUTMENT	INTEGRAL ABUTMENT	-----	-----	-----	-----
__ ABUTMENT	INTEGRAL ABUTMENT	-----	-----	-----	-----
PIER NO. 1	PILE BENT PIER	-----	-----	-----	-----
PIER NO. 2	PILE BENT PIER	-----	-----	-----	-----
H PILE ENCASEMENT					
PIER NO. 1	-----	-----	-----	-----	-----
PIER NO. 2	-----	-----	-----	-----	-----

FOUNDATION TYPES

HP10x42
HP10x57
HP12x53
HP14x73
HP14x89
TIMBER FOUNDATION PILING
TIMBER TRESTLE - PILE BENTS
SPREAD FOOTING

SUBSTRUCTURE TYPE

TEE PIER
PILE BENT PIER
OTHER

J40 & J44 CCS BRIDGE STANDARDS

SUMMARY QUANTITIES SHEET

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. ____ OF ____ FILE NO. _____ DESIGN NO. _____

DESIGN TEAM | COUNTY | PROJECT NUMBER | SHEET NUMBER

SUMMARY OF CONCRETE QUANTITIES

LOCATION		STRUCTURAL CONCRETE	HPC STRUCT. CONCRETE
TWO ABUTMENT FOOTINGS		-----	-----
_____ ABUTMENT STEP CONCRETE		-----	-----
_____ ABUTMENT STEP CONCRETE		-----	-----
SLAB + ABUTMENT DIAPHAGMS - SECTIONS 1 & 3		-----	-----
SLAB - SECTION 2		-----	-----
SLAB - SECTIONS 4 & 5		-----	-----
ABUTMENT WINGS		-----	-----
PIER NO. 1	CAP	-----	-----
	STEP CONCRETE ***	-----	-----
	COLUMN	-----	-----
	FOOTING	-----	-----
PIER NO. 2	CAP	-----	-----
	STEP CONCRETE ***	-----	-----
	COLUMN	-----	-----
	FOOTING	-----	-----
	TOTAL (CU. YDS.)	-----	-----

*** SEE APPROPRIATE ADDITIONAL QUANTITIES STANDARD SHEETS FOR SKEWED BRIDGES.

SUMMARY OF REINFORCING STEEL

LOCATION		NON-COATED REINFORCING STEEL	STAINLESS STEEL REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
SUPERSTRUCTURE AND TWO ABUTMENTS **		-----	-----	-----
BARRIER RAIL - TWO RAILS		-----	2 AT _____	2 AT _____
BARRIER RAIL END SECTIONS		-----	4 AT _____	4 AT _____
PIER NO. 1	CAP	-----	-----	-----
	STEP REINFORCING ***	-----	-----	-----
	COLUMN	-----	-----	-----
	FOOTING	-----	-----	-----
PIER NO. 2	CAP	-----	-----	-----
	STEP REINFORCING ***	-----	-----	-----
	COLUMN	-----	-----	-----
	FOOTING	-----	-----	-----
** EXCLUDES RAIL REINFORCING. INCLUDES ____ LBS. FOR PILE SPIRALS AND SPACERS WITH OPTIONAL EPOXY COATING				
	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	INTEGRAL ABUTMENT	-----	-----	-----	-----
____ ABUTMENT	INTEGRAL ABUTMENT	-----	-----	-----	-----
PIER NO. 1	-----	-----	-----	-----	-----
PIER NO. 2	-----	-----	-----	-----	-----

FOUNDATION TYPES

HP10x57
HP12x53
HP14x73
HP14x89
SPREAD FOOTING _____ _____ _____

SUBSTRUCTURE TYPE

TEE PIER
PILE BENT PIER

BEARING TYPES

LAMINATED NEOPRENE/CURVED SOLE PLATE - ASSEMBLY
MASONRY PLATE/CURVED SOLE PLATE - ASSEMBLY

ASSOCIATED BID ITEM

* STRUCTURAL STEEL
STRUCTURAL STEEL

SUMMARY OF STRUCTURAL STEEL

LOCATION		TOTAL (LBS.)
ROLLED STEEL BEAMS	6 AT _____	-----
SPLICE PLATES AND BOLTS	_____ AT _____	-----
DIAPHRAGMS WEIGHTS		-----
PIER NO. 1 BEARINGS	12 AT _____	-----
PIER NO. 2 BEARINGS	12 AT _____	-----
SHEAR STUDS		-----
BRIDGE DECK DRAINS	_____ AT _____	-----
FLANGE DEFLECTORS	_____ AT _____	-----
S3 x 7.5	12 AT 7.5 LBS.	90
	TOTAL (LBS.)	-----

SUMMARY OF BEARINGS

LOCATION	BEARING TYPE	SLOPE %	NUMBER	ASSOCIATED BID ITEM
_____ ABUTMENT	S3 x 7.5	-----	6	STRUCTURAL STEEL
_____ ABUTMENT	S3 x 7.5	-----	6	STRUCTURAL STEEL
PIER NO. 1	-----	-----	6	-----
PIER NO. 2	-----	-----	6	-----

STEEL BRIDGES

* LAMINATED PADS ARE INCIDENTAL TO STRUCTURAL STEEL

RS40 ROLLED STEEL BEAM BRIDGES

SUMMARY QUANTITIES SHEET

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. ____ OF ____ FILE NO. _____ DESIGN NO. _____

DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER

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 + ABUT. FTG. **	-----	-----	-----
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
Δ STRUCTURAL STEEL
Δ STRUCTURAL STEEL
ΔΔ STRUCTURAL STEEL
ΔΔ 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

Δ CURVED SOLE PLATES ARE INCIDENTAL TO PPC BEAMS

STEEL BRIDGES

* LAMINATED PADS ARE INCIDENTAL TO STRUCTURAL STEEL

ΔΔ INCLUDES SOLE PL AND ANCHOR BOLTS

STUB ABUTMENT WELDED GIRDER OR PPCB BRIDGES

SUMMARY QUANTITIES SHEET

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. ____ OF ____ FILE NO. _____ DESIGN NO. _____

DESIGN TEAM | COUNTY | PROJECT NUMBER | SHEET NUMBER