

SUMMARY OF QUANTITIES

B-100-1BR

NOTES

ITEM NO	DESCRIPTION	UNIT	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	X-XX-XX	BRIDGE TOTALS
202-00217	Remove Concrete Pavement (Planing) (Special)	SY												0
202-00246	Removal of Asphalt Mat (Planing) (Special)	SY												0
①⑥ 202-00450	Removal of Portions of Present Structure (Class 1)	SY												0
①⑥ 202-00453	Removal of Portions of Present Structure (Class 2)	SY												0
①⑥ 202-00460	Removal of Portions of Present Structure (Class 3)	SY												0
202-00504	Removal of Expansion Device	LF												0
403-xxxxx	Hot Mix Asphalt	TON												0
509-08120	Temporary Bridge Deck	SF												0
509-00001	Structural Steel (Galvanized)	LB												0
515-00120	Waterproofing (Membrane)	SY												0
515-00400	Concrete Sealer	SY												0
518-00000	Bridge Compression Joint Sealer	LF												0
518-01001	Bridge Expansion Joint (Asphaltic Plug)	LF												0
518-01004	Bridge Expansion Device (0-4 Inch)	LF												0
518-01060	Bridge Expansion Device (Gland) (0-4 Inch)	LF												0
518-03000	Sawing & Sealing Bridge Joint	LF												0
519-03035	Place Thin Bonded Overlay (Polyester Concrete)	SY												0
519-03055	Furnish Thin Bonded Overlay (Polyester Concrete)	CF												0
②③⑥ 601-03040	Concrete Class D (Bridge)	CY												0
⑥ 601-03540	Concrete Class DT (Deck Topping)	CY												0
⑥ 601-06100	Concrete (Patching)	CY												0
④⑥ 601-51005	Galvanic Anodes	EA												0
④⑥ 601-51007	Galvanic Anodes (Install Only)	EA												0
⑤⑥ 602-00000	Reinforcing Steel	LB												0
⑤⑥ 602-00020	Reinforcing Steel (Epoxy Coated)	LB												0

- ① Quantities for Removal of Portions of Present Structure are estimated to be the following percentages of total bridge deck area:
- | STRUCTURE NUMBER | CLASS 1 | CLASS 2 | CLASS 3 |
|------------------|---------|---------|---------|
| | 5% | - | - |
| | 5% | 5% | 1% |
| | 10% | 10% | 2% |
- [DESIGNER - PERCENTAGES ABOVE ARE JUST A STARTING POINT. ADJUST PERCENTAGES BASED ON ACTUAL BRIDGE AGE AND NBI DECK RATING; MODIFY OR REMOVE TABLE AS REQUIRED]
- ② Plan quantities for Furnish Thin Bonded Overlay (Polyester Concrete) are based on an estimated ___ inch average overlay thickness. Quantities include an additional 25 percent to account for deck and grade variability.
- ③ Plan quantities for Furnish Thin Bonded Overlay (Polyester Concrete) include volume to fill ___ inches of the deck thickness times the Class 1 removal area. [DESIGNER - USE THIS NOTE IF POLYESTER CONCRETE IS USED FOR FILLING CLASS 1 REMOVALS; ADJUST THICKNESS BASED ON SPECIFIC PROJECT]
- ④ Quantity is based on 5 Anodes per square yard of Class 2 and Class 3 removals.
- ⑤ Plan quantities for Reinforcing Steel or Reinforcing Steel (Epoxy Coated) include an estimated 5 lbs per SY of Class 2 and 10 lbs per SY of Class 3 Removal area to replace deteriorated deck reinforcing plus replacement of longitudinal reinforcement at the expansion devices as specified in the plan details. Reinforcing damaged by the Contractor's removal operations shall be repaired or replaced at the Contractor's expense. The type of reinforcing steel used to replace existing reinforcing steel shall be the same as the existing reinforcing steel. [DESIGNER - ADJUST NOTE IF EITHER OPERATION IS NOT PART OF A PROJECT]
- ⑥ These quantities are related to Concrete Deck repair locations and areas are approximate. Payment will be for the actual area repaired and materials used as approved and directed by the Engineer.

Designer/Detailer:
 This sheet lists the various Bid Items and notes, which are commonly used on bridge preservation and repair projects. They shall be modified as necessary for specific projects.

Revision Dates	3/22
(Preliminary Stage Only)	

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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All seals for this set of drawings are applied to the cover page(s)	Print Date: 3/22/2022	Sheet Revisions			Colorado Department of Transportation		As Constructed		SUMMARY OF QUANTITIES			Project No./Code	
	File Name: Sheet_B-100-1BR.dgn	Date:	Comments	Init.	 2829 West Howard Place, 3rd Floor Denver, CO 80204 Phone: 303-512-4079 FAX: 303-757-9197		No Revisions:					Project Number	
	Horiz. Scale: 1:1 Vert. Scale: As Noted						Revised:		Designer: XXXXXXXX Structure X-XX-XX				
	Unit Information Unit Leader Initials						Void:		Detailer: XXXXXXXX Numbers X-XX-XX				
					Staff Bridge Branch		Initials		Sheet Subset: BRIDGE		Subset Sheets: BXX of XXX		Sheet Number