



NOV 06 2013

October 28, 2013

TO: Derek Case  
MS 47354

THRU: Julie Meredith/Tom Horkan *JH*  
NB 82-99

FROM: *DB*  
Dave Becher  
(425) 576-7045

SUBJECT: Contract 008066  
SR 520, Floating Bridge and Landings Project  
Federal Aid No. BR-0520(047)  
**Change Order No. 123 – Urban Design Belvederes**

Attached for further processing and execution by Headquarters Construction is Change Order No. 123 – Urban Design Belvederes.

**Description of the Change:**

This is an Owner Initiated Change (OIC). WSDOT has changed RFP Section 2.15.5.1.1.3 Belvederes to adjust the size of the belvederes located adjacent to the two sentinel elements. The following changes are made to this RFP section:

*Deleted the following:*

“Each belvedere shall be a minimum of 210 square feet and located clear of the RSUP.”

*And replace with the following:*

“Each belvedere at the sentinel elements shall be a minimum of 500 square feet, and each shall be located on only one side of the sentinel element as shown on sheets 4 and 5 of this change order. Each belvedere on the flat portion of the floating bridge shall be a minimum of 210 square feet. All belvederes shall be located clear of the RSUP.”

**Evolution of the Change:**

As part of the final design and permitting process for the new floating bridge, WSDOT and KGM presented certain urban design elements to the Seattle Design Commission (SDC). Presentations to the SDC were made in 2011 and again in 2012 as the urban design elements were further developed.

WSDOT advised the SDC that major structural design elements associated with the floating bridge were not open for change, such as the height of the structure, material types, span lengths, etc. However, WSDOT was willing to consider changes to

Derek Case  
October 28, 2013  
Change Order No. 123 - Memorandum  
Page 2

architectural and aesthetic features which would make the facility more user friendly to the public.

The SDC at the 2011 and 2012 presentations commented on the belvedere design associated with the two sentinel elements. The SDC indicated that the belvederes at the two sentinels should extend out beyond the North face of the sentinel to give pedestrians a panoramic and unobstructed view of the North end of the Lake. In addition, The SDC only wanted the belvederes to be placed on one side of the sentinels, not on both sides as originally designed and presented by WSDOT and KGM.

WSDOT asked KGM to revisit their design for the two sentinel belvederes to incorporate the comments made by the SDC. KGM submitted a new proposed design to address the SDC comments by way of KGM Serial Letter 0300 (dated January 25, 2013). The design presented in this letter, increased the size of the sentinel belvedere to approximately 500 square feet and placed the belvedere on the inside of the sentinels (i.e. to the west of the Pontoon W sentinel and to the east of the Pontoon A sentinel) to maximize pedestrian views of Lake Washington. The added cost associated with this design and construction totaled \$1,102,404.00.

WSDOT met several times with KGM to understand the design change and discuss the costs, and WSDOT formalized design and costs questions in WSDOT Serial Letter 0273 (dated February 21, 2013). KGM provided their answers to these questions in KGM Serial Letter 0351 (dated March 22, 2013).

As part of the cost review and negotiation process, WSDOT utilized the services of Rick Krebs from the Stanton Constructability Services Group to assist WSDOT with the analysis of this proposal and negotiation of the final cost for this change

**Approvals Provided:**

- Project Level – Dave Becher on August 9, 2013
- Region/Program Level – Tom Horkan on September 16, 2013
- Region/Program Funding Concurrence – Alan Chan on October 14, 2013
- Headquarters Construction – Mark Gaines on September 16, 2013
- FHWA – Anthony Sarhan on September 23, 2013

**Entitlement:**

This is an OIC which results in additional work for the Design-Builder. As a result, the Design-Builder is entitled to additional compensation to perform the added work.

**Price:**

WSDOT and KGM negotiated a lump sum in the amount of \$850,000 to add this work to the contract. A copy of the Engineer's estimate for this work is attached to this change order package.

**Contract Time:**

Derek Case  
October 28, 2013  
Change Order No. 123 - Memorandum  
Page 3

This change order does not impact contract time, and no additional time is added to the contract.

**Memorandum Attachments:**

- Executed Change Order 123
- Change Order Checklist
- Engineer's Estimate
- KGM Serial Letters 0300 and 0351
- WSDOT Serial Letter 0273
- Approval Documentation


DPB: DB  
Attachments  
PW File: 17.02.CO-123

**WASHINGTON STATE  
DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 09/26/13  
Page 1 of 5

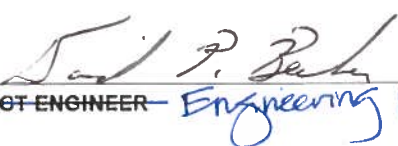

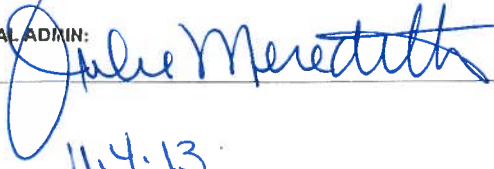
CONTRACT NO: 008066 FEDERAL AID NO: BR-0520 (047)  
 CONTRACT TITLE: SR 520 / I-5 TO MEDINA - EVERGREEN POINT FLOATING  
 CHANGE ORDER NO: 123 URBAN DGN - BELVEDERES  
 PRIME CONTRACTOR: SW0106139 KIEWIT/GENERAL/MANSON, A JOINT  
 33455 6TH AVE S  
 FEDERAL WAY WA 98003-6335

- (X) Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications  
 ( ) Change proposed by Contractor

ENDORSED BY: <u></u> CONTRACTOR DATE: <u>10/9/2013</u>	SURETY CONSENT: ATTORNEY IN FACT DATE
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ORIGINAL CONTRACT AMOUNT: 586,561,000.00  
 CURRENT CONTRACT AMOUNT: 662,474,143.00  
 ESTIMATED NET CHANGE THIS ORDER: 850,000.00  
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 663,324,143.00

Approval Required:  ( ) Region  (✓) Olympia Service Center  ( ) Local Agency

<input checked="" type="checkbox"/> (✓) APPROVAL RECOMMENDED <input type="checkbox"/> ( ) EXECUTED <u></u> PROJECT ENGINEER - <u>Engineering Manager</u> DATE: <u>October 28, 2013</u>	EXECUTED: <u></u> STATE CONSTRUCTION ENGINEER FOR DATE: <u>11/14/2013</u>
<input checked="" type="checkbox"/> (✓) APPROVAL RECOMMENDED <input type="checkbox"/> ( ) EXECUTED REGIONAL ADMIN: <u></u> BY: DATE: <u>11.4.13</u>	OTHER APPROVAL WHEN REQUIRED SIGNATURE _____ DATE _____ REPRESENTING _____

**WASHINGTON STATE  
DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 09/26/13  
Page 2 of 5

CONTRACT NO: 008066

CHANGE ORDER NO: 123

All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

The first paragraph above is revised to read:

All work, materials, and measurements to be in accordance with the request for proposal (RFP) and the contract documents for this project.

**DESCRIPTION:**

This is a WSDOT-Initiated Change in accordance with General Provisions Section 1-04.4(1). This change order modifies the aesthetic requirements associated with the belvederes.

**CONSTRUCTION REQUIREMENTS:**

Technical Requirements Section 2.15.5.1.1.3 Belvederes shall be revised as follows:

Delete the following sentence under Function:

"Each belvedere shall be a minimum of 210 square feet and located clear of the RSUP."

and replace with:

"Each belvedere at the sentinel elements shall be a minimum of 500 square feet, and each shall be located to only one side of the sentinel element as shown on sheets 4 and 5 of 5 of this change order. Each belvedere on the flat portion of the floating bridge shall be a minimum of 210 square feet. All belvederes shall be located clear of the RSUP."

**PAYMENT:**

As mutually agreed for the performance of the Work as described in this change order, WSDOT will reimburse the Design-Builder under the new lump sum item "Urban Dgn-Belvederes" in the amount of \$850,000.

**TIME:**

There shall be no increase in Contract Time as a result of this change order.

**WASHINGTON STATE  
DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 09/26/13  
Page 3 of 5

CONTRACT NO: 008066				CHANGE ORDER NO: 123			
ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE

1068	01		URBAN DGN-BELVEDERES	L.S.	0.00	0.00	376,125.00
1068	03		URBAN DGN-BELVEDERES	L.S.	0.00	0.00	376,125.00
1068	16		URBAN DGN-BELVEDERES	L.S.	0.00	0.00	48,875.00
1068	17		URBAN DGN-BELVEDERES	L.S.	0.00	0.00	48,875.00

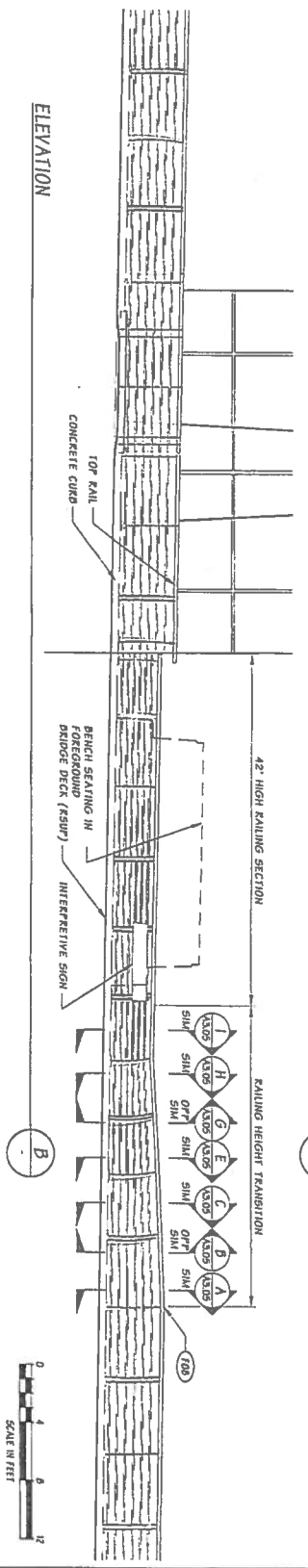
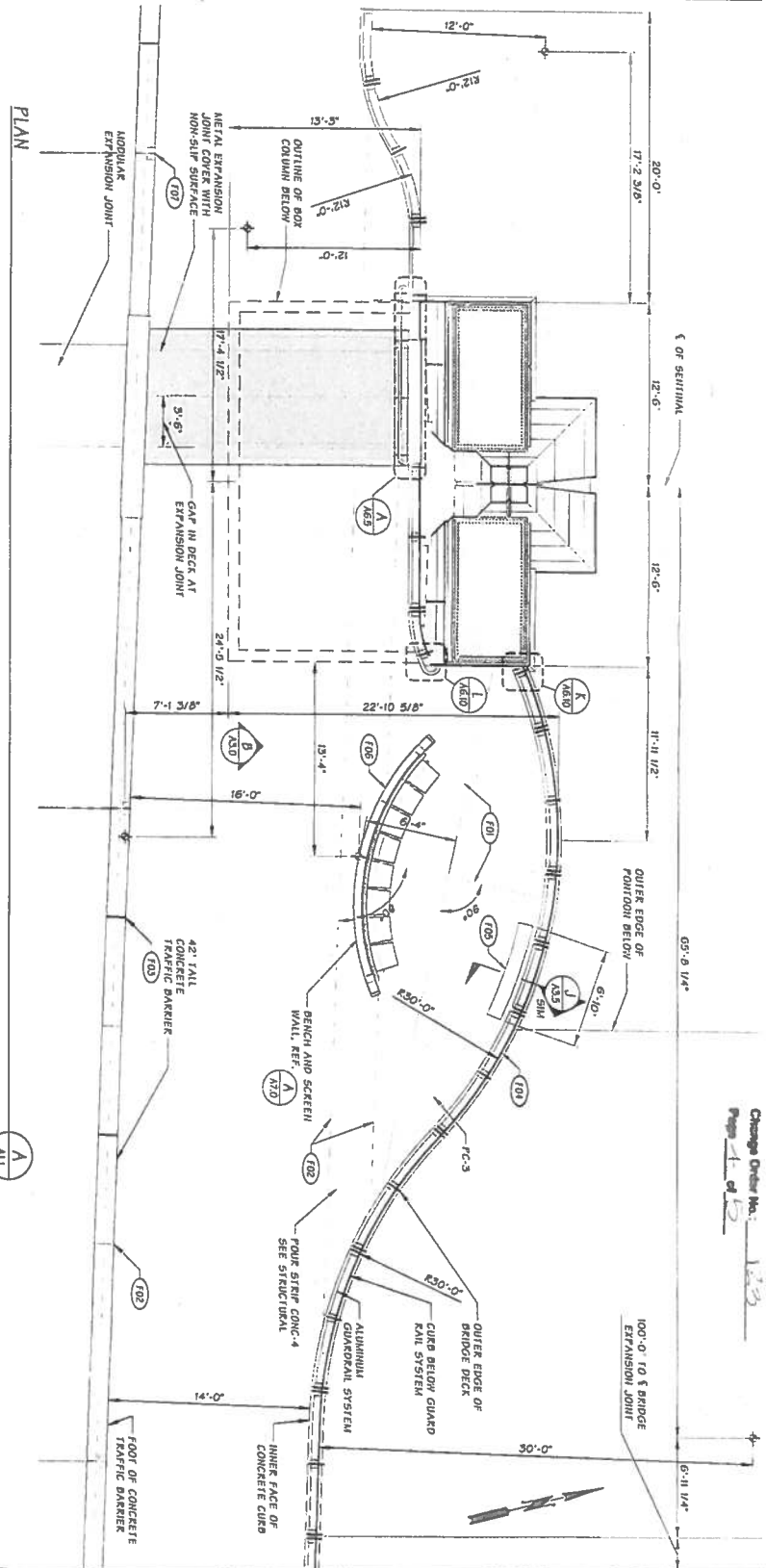
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850,000.00  
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# GENERAL NOTES

NOTE  
1 REFER TO BRIDGE KEY PLANS FOR  
BELVEDERE LOCATIONS

# SHEET NOTES

SYMBOL	NOTE
(R01)	CONCRETE JOINT WITH METAL INSERT - SEE DETAIL
(R02)	CONCRETE JOINT (ROUND JOINT)
(R03)	EXPANSION JOINT (RAZOR JOINT)
(R04)	METAL GUARDRAIL SYSTEM
(R05)	INTERPRETIVE SIGN, SIGN SHAFT, LIGHT FIXTURE, BRACKET AND BRACKET, 18" X 18" X 1/2"
(R06)	BRUSH SEATING AND SCREEN WALL, REFER TO DETAIL R06
(R07)	RECESSED LIGHT IN TRAFFIC BARRIER
(R08)	RAILING SHAFT, EXPANSION JOINT, 5" X 10" X 1/2" WITH A CONTINUOUS SLOPING RAILING CURVE THROUGHOUT THE RAILING FABRICATION.



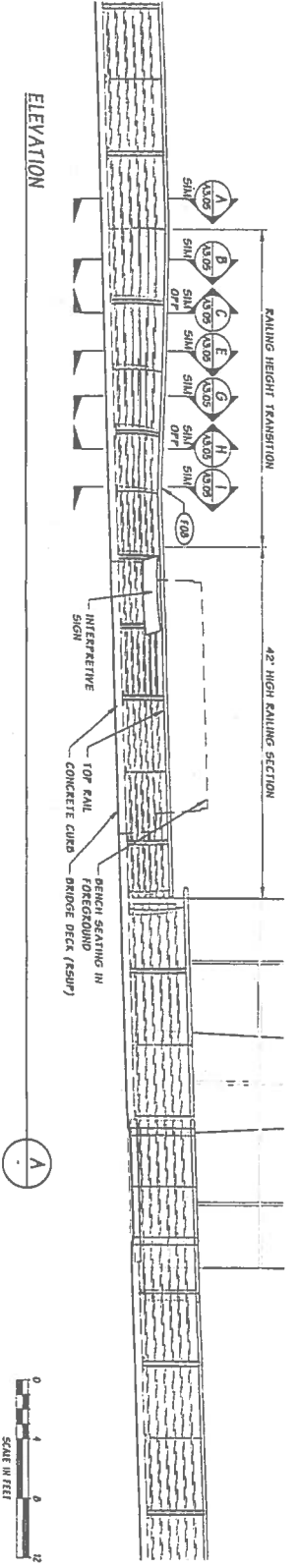
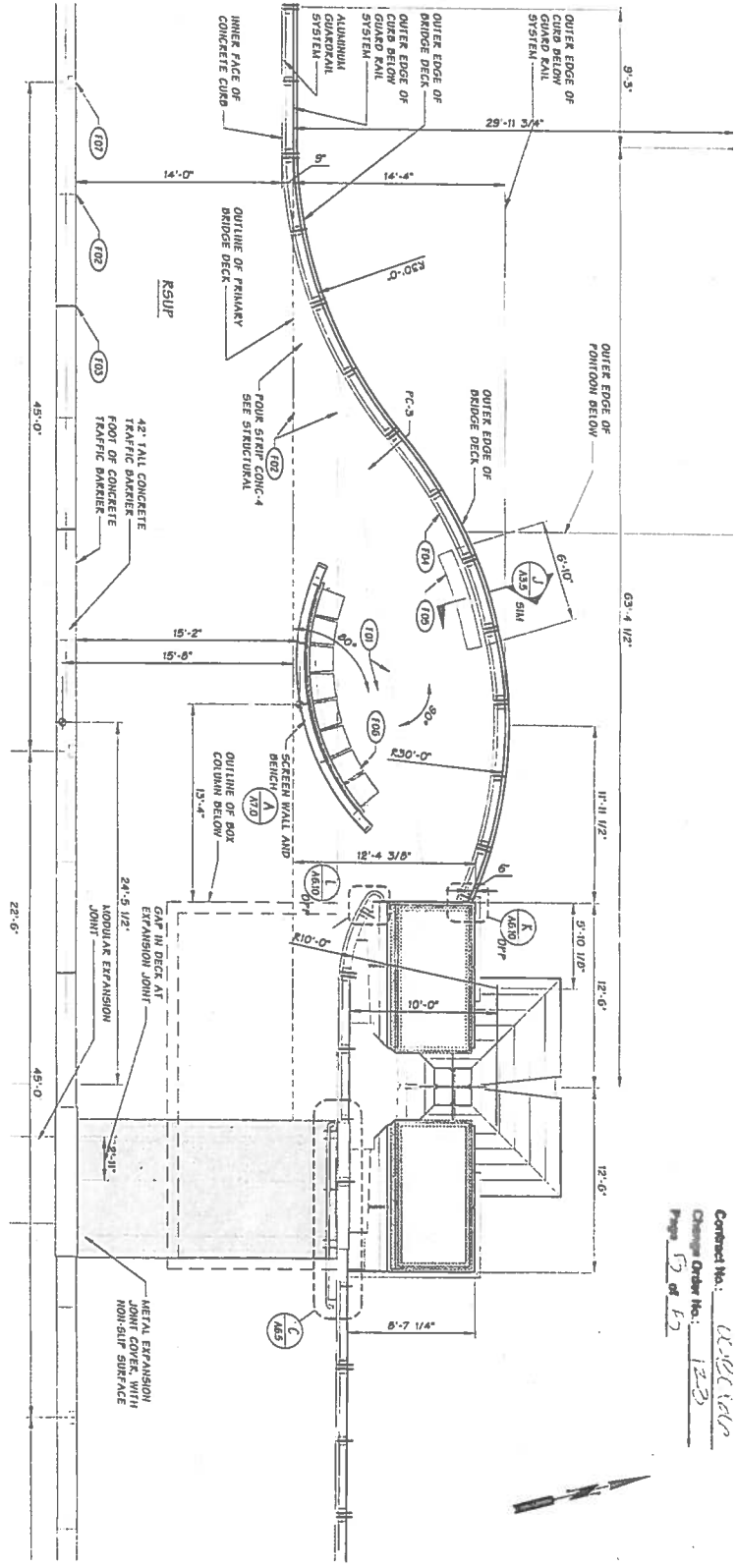
Bridge Design Eng. Checked By Design Projects Eng. Project, Plan By	Date Revision	State WASH 8066	FED AID PROJ NO BR-0520(050)	BRIDGE AND STRUCTURES OFFICE		SR 520 1-5 TO MEDINA - STG. 1 EVERGREEN PT FLOATING BRIDGE AND LANDINGS BELVEDERE PONTON 'A' PLAN AND ELEVATION	SHEET 34 OF 52
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# GENERAL NOTES

NOTE  
1 REFER TO BRIDGE KEY PLANS FOR  
REVERSE LOCATIONS

# SHEET NOTES

SYMBOL	NOTE
(101)	CONTROL JOINT WITH VERTICAL INSERT - SEE DRAWING
(102)	CONTROL JOINT (PONTON JOINT)
(103)	EXPANSION JOINT (GASKET JAMM)
(104)	METAL GASKET SYSTEM
(105)	INTERFERITIVE SIGN, SIGN SHALL FOLLOW CURVE OF RAILING AND BRACKETS. (105) SIGN/FOOT
(106)	BRUSH SEATING AND SCREEN WALL. RECESS 2" LIGHT IN INTERFERITIVE BRACKET
(107)	RECESS 2" LIGHT IN INTERFERITIVE BRACKET
(108)	RAILING SHALL TRANSITION FROM 5'-0" TO 4'-2" WITH A CONTINUOUS 5/8" RADIUS CURVE THROUGHOUT THE RAILING TRANSITION.



Bridge Design Eng.	Michael, J.	STATE	WASH	FED AID PROJ NO	BR-0520(050)		SR 520 I-5 TO MEDINA - STG. 1 EVERGREEN PT FLOATING BRIDGE AND LANDINGS BRIDGE ARCHITECTURE DELVEDE RE PONTON 'W' PLAN AND ELEVATION	DATE	REVISION	BY	DATE
Designed By	Michael, J.	10	WASH					BRIDGE AND STRUCTURES OFFICE	10/10/12		
Checked By	Michael, J.										
Drawn By	Michael, J.										
Bridge Projects Eng.	Michael, J.										
Project Plan By	Michael, J.										
Architect/Engineer	Michael, J.										

Contract No.: 12-12-12  
 Change Order No.: 12-3  
 Page 12 of 12