



Contract Number 009424	Contract Title SR509, I-5 to 24th Ave S. - New Expressway Project	Federal Aid Number STP(UL)-0509(034)
Change Order Number 005	Change Description DBIC 1 - Practical Design Workshop	Date Aug 6, 2021
Region Gateway	Project Engineer Andrey Chepel	Phone Number 206-805-2978
Prime Contractor / Design-Builder Guy F. Atkinson Construction, LLC.		

- Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications or the
- Change proposed by Contractor / Design-Builder

Evolution & Description Of Change

Description & Evolution:

This Change Order revises the Contract as agreed between the Design-Builder (D-B) and WSDOT in the Design-Builder Initiated Change (DBIC) 1:

- **(1A)** - This Change Order revises the south bound collector-distributor (SBCD) on/off connection configuration to I-5 to reduce lane changes for trucks coming from SR 509. This proposal moves the SB5-SBCD exit ramp from 1300 feet down station and merges into SBCD on the left. This creates a weaving zone on SBCD between the merge point of SB5-SBCD and SR 516 off ramp.
- **(1B)** - This Change Order removes the requirements of hard copies for the preliminary/final Channelization Plan for Approval Package.
- **(1C)** - Delete Hard Copies for Miscellaneous Submittals- This Change Order modifies the Request for Proposal (RFP) hardcopy requirement.

D-B submitted DBIC in accordance with RFP. Our Design team reviewed DBIC and found that all design parameters were within design guidelines and Level of Service (LOS) review found that the service will be at same level as original design level. The Interchange Justification Report (IJR) was reviewed and agreed by FHWA, WSDOT and the D-B (Attachment B)

Difference from Existing Requirements and Advantages or Disadvantages

- **(1A)**- The current plan has SR 509 vehicles entering of the left side of the SBCD and I-5 vehicles entering on the right side. This proposal will switch this, with the SR 509 vehicles entering on the right side. The current plan as well as the proposed change both meet the traffic operations needs of the project. The proposed change provides the following benefits:
 - Provides a 2-lane off-ramp to SR 516.
 - 2,400 feet of merge allows the placement of an additional sign bridge for traffic sorting.
 - Benefit to freight traffic going to SR 516 since no merge will be required.
 - Cost savings in the deletion of the SB5-SBCD bridge over SBCD.
 - Cost savings in the deletion of the NBCD slab bridge for the SB5-SBCD under crossing

Distribution By:

Project Office

- Copy of Change Records & Change Order w/Backup - Project Engineer
- Copy of ONLY Change Order - Prime Contractor / Design-Builder
- Electronic Copy of Change Records & Change Order w/Backup - State Construction Office
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Region

Change Record – Continuation
Contract 009424
Change Order No. 5
August 6, 2021

- **(IB)**- Hard copies for the preliminary and final Channelization Plan for Approval Package will no longer be required. Improves efficiency of document control for both WSDOT and DB.
- **(IC)**- Hard copies for the miscellaneous submittals will no longer be required. Improves efficiency of document control for both WSDOT and DB.

Justification of Changes

- **(IA)**- The proposed provides forward compatibility for Phase II and reduces maintenance and life cycle costs on structures that are not required now. There will be no changes to environmental compliance.
- **(IB)**- Based on experience on Contract 9475 – SR 3, Chico Creek and Tributary – Remove Fish Barrier, WSDOT is changing the Channelization Plan for Approval Package to match the proposed change by DB. There are no environmental compliance issues associated with this DBIC.
- **(IC)**- Simplifies document control for both WSDOT and Atkinson. There are no environmental compliance issues associated with this DBIC.

Based on everything discussed above we accepted DB's proposal and agreed to process a change order.

Contract Requirements:

This change order modifies following:

- General Provisions – 1-08.3(4), (5), (8) and 1-09.9(1).6
- Technical Requirements - 2.1, 2.12, 2.13

Entitlement: The Design-Builder and WSDOT agree to a cost split as identified in DBIC-1.

FHWA: FHWA reviewed and approved changes proposed in DBIC-1.

Contractor Concurrence: The Design-Builder proposed this change.

Condition of Award (COA): This contract has a COA. This change does not affect UDBE/FSBE percentage as specified in the Contract.

Contract Number 009424	Contract Title SR509, I-5 to 24th Ave S. - New Expressway Project	Change Order Number 005
Basis of Cost & Justification:		
<ul style="list-style-type: none"> • (1A)- The direct cost to construction the basic configuration was estimated at the time to bid to be \$7,115,422.00. <p>This change order deletes the following:</p> <ul style="list-style-type: none"> • SB5-SBCD braid bridge and walls • NBCD overcrossing slab bridge and walls • All roadway elements of the SB5-SBCD (the alignment will be graded for forward compatibility with Phase II and seeded with grass.) <p>The cost of Atkinson's proposal is \$4,346,395.00. Approval of this proposal will yield a total Estimated Net Savings to the project of \$2,769,027.00. The share of this savings shall be split 50/50 between WSDOT and Atkinson. This proposal will not have any additional ROW and Relocation costs. No modification of permits or environmental documents are required for this proposal. The proposal does not affect the project critical path, so no time extension or reduction is required. WSDOT independent engineer's estimate for DBIC 1 is attached (Attachment C).</p> <ul style="list-style-type: none"> • (1B)- This is zero cost and time proposal. This proposal will not have any additional ROW and Relocation costs. No modification of permits or environmental documents are required for this proposal. • (1C)- This is zero cost and time proposal. This proposal will not have any additional ROW and Relocation costs. No modification of permits or environmental documents are required for this proposal. 		
Contract Time:		
<p>The Design-Builder and WSDOT agree that this change order has no impact to Contract Time, and as such, no extension of Contract Time will be granted as a result of this change order.</p>		
Prior Approvals:		
<p>Project Engineer Approval - Ward Anderson- 7/2/2021 Region Approval - Aleta Borschowa- 7/2/2021 HQ Approval - Derek Case/Jon Deffenbacher- 7/21/2021</p>		
List Attachments:		
<p>1- Change Order (3 pages), 2- Change Order Checklist (2 pages), 3- Attachment A, Approvals (5 pages) 4- Attachment B, IJR Supplement (12 pages), 5- Attachment C, Estimate (1 page), 6- Attachment D, Informational Only, Conformed Contract (15 pages)</p>		

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Copy of Change Records & Change Order w/Backup - Project Engineer
Copy of ONLY Change Order - Prime Contractor / Design-Builder
Electronic Copy of Change Records & Change Order w/Backup - State Construction Office
Original of Change Records & Change Order w/Backup - Region Construction Office

DOT Form 422-002

Region

Revised 10/2017

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WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER

DATE: 07/30/21
PAGE 1 of 12

CONTRACT NO: 009424 FEDERAL AID NO: STP(UL)-0509(034)
CONTRACT TITLE: I-5 TO 24TH AVENUE S. NEW EXPRESSWAY NEW EXPRESSWA
CHANGE ORDER NO: 5 DBIC 1-PRACTICAL DESIGN WKSHOP

PRIME CONTRACTOR: SW0252050 GUY F. ATKINSON CONSTRUCTION, LLC.
707 SOUTH GRADY WAY SUITE 500
RENTON WA 98057-3224

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

ENDORSED BY: <i>Signature on file</i> <small>Brandon Dully (Aug 2, 2021 12:40 PDT)</small>	SURETY CONSENT:
CONTRACTOR SIGNATURE Aug 2, 2021 _____ DATE	ATTORNEY IN FACT _____ DATE

ORIGINAL CONTRACT AMOUNT: 263,975,895.00
CURRENT CONTRACT AMOUNT: 263,975,895.00
ESTIMATED NET CHANGE THIS ORDER: -1,384,513.50
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 262,591,381.50

Signature Required: Project Engineer State Construction Engineer
 Regional Administrator Other Agency

<i>Signature on file</i> <small>Andrey Chepel</small>	<i>Signature on file</i> <small>, 2021 06:41 PDT)</small>
PROJECT ENGINEER SIGNATURE Aug 2, 2021 _____ DATE	STATE CONSTRUCTION ENGINEER SIGNATURE Aug 3, 2021 _____ DATE
<i>Signature on file</i> <small>Aleta Borschowa (Aug 2, 2021 14:16 PDT)</small>	OTHER APPROVAL WHEN REQUIRED
REGIONAL ADMINISTRATOR SIGNATURE Aug 2, 2021 _____ DATE	SIGNATURE _____ DATE _____ REPRESENTING

CONTRACT NO: 009424

CHANGE ORDER NO: 5

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 deleted and replaced with:
All work, materials and measurements to be in accordance with the Contract Documents for this Project. Unless specifically modified herein, all provisions in the Contract Documents shall remain in full force and effect.

DESCRIPTION

This Change Order revises the Contract as agreed between the Design-Builder (D-B) and WSDOT in the Design-Builder Initiated Change (DBIC) 1 sent to WSDOT on March 23, 2021 (ATKN Identifier #ATKN SL0002.01) and as described herein.

DBIC 1A - Southbound Collector-Distributor/SB I-5 on/off Connection Reconfiguration

This Change Order revises the South Bound Collector-Distributor (SBCD) on/off connection configuration to I-5 as shown on page 6 of 12 of this Change Order.

DBIC 1B - Delete Hard Copies for Channelization Plan for Approval

This Change Order removes the requirements of hard copies for the preliminary/final Channelization Plan for Approval Package as described herein.

DBIC 1C - Delete Hard Copies for Miscellaneous Submittals

This Change Order modifies the Request for Proposal (RFP) hardcopy requirements as described herein.

CONTRACT

This Change Order revises the Contract as follows:

General Provisions Section 1-08.3(4), Submittal Requirements, is revised as follows:

On page 185, on line 23, delete "in hard copy and".

On page 186, on line 8, delete "hard copy media and".

On page 186, on lines 13 to 14, delete "one hard copy on 11- x 17-inch or 8.5- x 11-inch media and".

On page 186, on lines 15 to 16, delete "one hard copy on 11-inch x 17-inch or 8.5-inch x 11-inch media and".

On page 186, on line 18, delete "letter-size hard copy,".

General Provisions Section 1-08.3(5), Preliminary 90-Day Look-Ahead Schedule, is revised as follows:

On page 186, on line 39, replace "a suitably sized hard copy of the" with "an electronic".

On page 187, on line 1, delete "hard copy,".

On page 187, on line 16, replace "one hard copy of the" with "an electronic".

On page 187, on line 18, replace "one hard copy and" with "an".

General Provisions Section 1-08.3(8), As-Built Contract Schedule, is revised as follows:

On page 190, on line 36, delete "letter or ledger size hard copy and".

CONTRACT NO:009424

CHANGE ORDER NO: 5

General Provisions Section 1-09.9(1).6, Invoice Data Sheets and Supporting Documents, is revised as follows:

On page 232, on lines 17 to 18, replace "letter size hard copy," with "a".

Technical Requirement Section 2.1, General Information, is revised as follows:

On page 2.1-12, on line 3, delete "(hard copy and electronic)".

On page 2.1-12, on line 11, delete "(hard copy and electronic)".

Technical Requirement Section 2.12, Project Documentation, is revised as follows:

On pages 2.12-2 and 2.12-3, lines 23 through 41 and lines 1 through 5 are revised as follows:

2.12.3.3 Channelization Plan for Approval Package

The Design-Builder shall develop a Channelization Plan for Approval Package for the Project and obtain the WSDOT Engineer approval.

2.12.3.3.1 Geometric Design Submittal Review

The geometric design portion of the DDP, including design parameter tables, shall be completed and submitted prior to the submittal of the Channelization Plan for Approval Package in accordance with Chapter 300 of the WSDOT Design Manual. Paving and structural plans for the Project shall not be stamped "Released for Construction" (RFC) prior to submitting the design parameters and the geometric design portion of the DDP to the WSDOT Engineer for Review and Resolution of all comments. If the design includes a roundabout the Design-Builder shall conduct the geometric design peer review in accordance with WSDOT Design Manual prior to submittal.

The Geometric Design Submittal is intended to provide an opportunity for the WSDOT Engineer to review and provide comments and feedback on the geometric elements of the project prior to developing plans for construction. The Geometric Design Submittal shall be submitted in an electronic format. The submittal shall include a PDF showing geometric and channelization information (including marking types), applicable supporting documentation including, but not limited to, cross sections, truck turning templates, location of key features such as bridges, walls, and stormwater facilities. All pedestrian access routes shall be identified in the submittal and shall include supporting documentation demonstrating compliance with WSDOT design criteria for pedestrian facility design elements. Elements to be included in the Geometric Design Submittal are identified in '014 GeoDesRevElements_Revised' (pages 7 through 12 of Change Order 5).

2.12.3.3.2 Additional Channelization Plan for Approval Package

The preliminary Submittal of the Channelization Plan will occur after all comments on the geometric design have been resolved. Substantial Completion for the Project will not be granted prior to receiving the WSDOT Engineer approval that all comments have been addressed on the preliminary Submittal of the Channelization Plan for Approval Package. The preliminary Channelization Plan for Approval Package shall be updated for design changes during construction and resubmitted for review and signature prior to Final Acceptance.

The Channelization Plan for Approval Package shall be prepared by, or under the direct supervision of, a Licensed Professional Engineer. Each sheet of the Channelization Plan for Approval Package shall carry the Licensed Professional Engineer's stamp and signature. The Channelization Plan for Approval Package shall be submitted using the WSDOT standard format and shall follow the WSDOT Northwest Region Channelization Plan Checklist (Appendix O).

The preliminary Submittal of the Channelization Plan for Approval Package shall include a PDF of the Channelization Plan sheets and the completed WSDOT

CONTRACT NO: 009424

CHANGE ORDER NO: 5

Northwest Region Channelization Plan Checklist.

The final Submittal of the Channelization Plan for Approval Package, with all comments resolved, shall include one PDF stamped and signed electronically.

Technical Requirement Section 2.13, Bridges and Structures, is revised as follows:

On page 2.13-1, line 17 is deleted.

MEASUREMENT

No specific unit of measure shall apply to the new Lump Sum Bid Item "CO 005, DBIC 1A PDW".

PAYMENT

Bid Item 1, "DESIGN BUILD WORK (RULE 170)", the total Bid Item value is reduced by \$2,769,027.00.

The new Lump Sum Bid Item "CO 005, DBIC 1A PDW" in the agreed to amount of \$1,384,513.50 shall be full and final pay for all costs associated with Work associated with Design-Builder Initiated Change 1A and as described herein.

CONTRACT TIME

The Design-Builder and WSDOT agree that this Change Order has no impact to Contract Time, and as such, no working days will be added to Contract Time because of this Change Order.

MISCELLANEOUS

The Design-Builder certifies the amount of time and/or compensation granted by this Change Order includes all known and anticipated impacts or amounts, direct, indirect and consequential, which may be incurred as a result of the event or matter giving rise to this change and that Design-Builder has no reason to believe and does not believe that the factual basis for this Change Order is falsely represented.

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER

DATE:07/30/21
PAGE 5 of 12

CONTRACT NO:009424				CHANGE ORDER NO: 5		
ITEM NO	GROUP NO	STD ITEM	UNIT OF MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE

ITEM DESCRIPTION:	DESIGN BUILD WORK (RULE 170)					
0001 02	L.S.			263,100,895.00	0.00	18,744.00
ITEM DESCRIPTION:	DESIGN BUILD WORK (RULE 170)					
0001 03	L.S.			263,100,895.00	0.00	-2,765,226.60
ITEM DESCRIPTION:	DESIGN BUILD WORK (RULE 170)					
0001 07	L.S.			263,100,895.00	0.00	-22,544.40
ITEM DESCRIPTION:	CO 005, DBIC 1A PDW					
1001 02	L.S.			0.00	0.00	-9,372.00
ITEM DESCRIPTION:	CO 005, DBIC 1A PDW					
1001 03	L.S.			0.00	0.00	1,382,613.30
ITEM DESCRIPTION:	CO 005, DBIC 1A PDW					
1001 07	L.S.			0.00	0.00	11,272.20

AMOUNT TOTAL

-1,384,513.50
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