



Greenfield Engineering & Planning

10 South State Street
Greenfield, IN 46140
Phone: (317) 477-4320
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November 12, 2024

Board of Public Works and Safety
10 S. State Street
Greenfield, IN 46140

Re: Riley Arts Trail (INDOT Contract R-41318)
Change Orders No. 3, 4, 5, 7, and 10 (Totaling \$ _____) *[to be supplied at the meeting]*

Dear Members,

Greenfield is having INDOT construct the Riley Literary Trail (Agreement dated 11/17/2020). There are multiple change orders that have surfaced. Staff has discussed these issues with INDOT and the contractor, Morphey Construction, in regular progress meetings. Their schedule shows July completion and the contract allows until September 26, 2025.

Below are a summary of change orders that are ready for execution, specifically Change Orders No. 3, 4, 5, 7, and 10 (note that 6, 8 & 9 were previously approved).

Change Order No. 3 After the contract was let, the church at the corner of US40 & East St. asked the City to modify the wall so that the entrance would be in the middle of their parking lot instead of the alley. This change to the wall made the length smaller and added two end caps. This change also updates the logo in the crosswalk. The net cost for these changes is only \$76.96.

Change Order No. 4 In the pre-construction conference, the ADA director for INDOT brought up the need for Cane detectable barriers (plastic jersey barriers). Approximately 30 barriers are needed during construction.

Change Order No. 5 This item didn't fit within Change order #2 (Structure #21 close to a potable watermain). Because there is no item for "Waterproofing", a separate Force Account Change Order was made. IDEM requires waterproofing in this circumstance.

Change Order No. 7 There was an assumption that we could use soil obtained in other parts of the project to fill low spot. Because a high percentage of the common excavation is asphalt or concrete, a topsoil item needs to be added to the contract.

Change Order No. 10 relates to an extra depth found at Structure #20A. Staff is working with the designer to determine why the depth of the pipe was not known prior to construction, nonetheless, the contractor is justified to receive reimbursement for providing the additional manhole sections.

Per the Clerk Treasurer’s office, there is \$234,050.51 remaining in the Stellar Fund (fund 4500) to accommodate this change order.

		Date Approved	
Original Contract	\$3,896,000.00		
Change Order No. 1	\$37,640.33	September 1, 2024	Storm Structure Modifications
Change Order No. 2	\$22,929.70	October 22, 2024	C900 Watertight Pipe
Change Order No. 3	\$76.96	November 12, 2024	Const. Change #3 Wall Edits
Change Order No. 4	\$12,038.40	November 12, 2024	Cane Detectable Barriers
Change Order No. 5	<i>to be supplied</i> \$	November 12, 2024	Structure Waterproofing
Change Order No. 6	\$4,918.46	October 22, 2024	Basement Plate
Change Order No. 7	\$29,210.00	November 12, 2024	Topsoil
Change Order No. 8	\$0.00	October 22, 2024	North & Penn Time Extension
Change Order No. 9	\$3,787.06	October 22, 2024	Avoid Tunnel
Change Order No. 10	<i>to be supplied</i> \$	November 12, 2024	Deep Structure #20A
Total Contract	\$3,965,275.55		

Recommended motion to authorize Change Orders No. 3, 4, 5, 7, and 10 for the Riley Arts Trail (INDOT Contract R-41318) in the amount of \$ _____ . [to be supplied at the meeting]



Glen E. Morrow, PE
City Engineer

**INDIANA Department of Transportation
Construction Change Order and Time Extension Summary**

Contract Information

District:GREENFIELD DISTRICT

Contract No.: R -41318

AE: Courtney, Kurt

Letting Date:02/15/2024

PE/S:Stoner, Chris

Status:Draft

Change Order Information

Date Generated: 00/00/0000

Change Order No.: 003

Date Approved: 00/00/0000

EWA: Y or Force Acct: N

Reason Code: CHANGED COND, Constructability Related

Description: Consttuction Change #3 for Wall Edits and Logo

Original Contract Amount \$ 3,896,000.00

Current Change Order Amount \$ 76.96 Percent: 0.002 %

Total Previous Approved Changes \$ 69,275.55 Percent: 1.778 %

Total Change To-Date \$ 69,352.51 Percent: 1.780 %

Modified Contract Amount \$ 3,965,352.51

Time Extension Information

Date Initiated 00/00/0000

Date Completed 00/00/0000

Original Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SP Date 00/00/0000 or SP Days

(SS = Standard Specification, SP = Special Provision)

Time Element Description:

Current Time Extension SS Days 0 SP Days 0 SP Days Value \$ 0.00

Previous Time Approved SS Days by AE: _____ DCE: _____ SCE: _____ DDCM: _____

SS Days _____ SP Days Value \$ _____

Revised Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SS Date 00/00/0000 or SP Days 0

**INDIANA Department of Transportation
Construction Change Order and Time Extension Summary**

Review and Approval Information

Required Approval Authority AE: _____ DCE: _____ SCE: _____ * DDCM: _____ *
(\$ per Change Order) (- LE \$ 250K-) (- LE \$ 750K -) (-- LE \$ 2 M --) (-- GT \$ 2 M --)
(Days per Contract) (50 SS days) (100 SS days) (200 SS Days) (GT 200 SS days)

Verbal Approval Required? Y / N If Y, by _____ Date Issued _____

Total Change To-Date>5%? Y / N If Y , Copy to Program Budget Manager _____

Scope/Design Recommendation Required? Y / N If Y, Referred to Project Manager(PM) _____

Date to PM _____ Date Returned _____

Approval Authority Concurs with PM? Y / N If Y, Concurrence by _____ Date _____

If N,Resolution: Approved _____ Disapproved _____

Resolved by _____ Date _____

LPA Signatures Required? Y / N If Y, Date to LPA _____ Date Returned _____

FHWA Signatures Required? Y / N If Y, Date to FHWA _____ Date Returned _____

* Field Engineer Recommendation (Required for SCE or DDCM Approval)

Field Engineer _____ Date _____

Comments: _____

Contract No:R -41318

INDIANA

Date:11/04/2024

Change Order No:003

Department of Transportation

Page: 3

Contract: R -41318
 Project: 1801423 - State:1801423
 Change Order Nbr: 003
 Change Order Description: Consttuction Change #3 for Wall Edits and Logo
 Reason Code: CHANGED COND, Constructability Related

CLN	PCN	PLN	Item Code	Unit	Unit Price	CO Qty	Comment	Amount:\$	Amount Change
0027	1801423	0027	207-08264	SYS	30.000	-5.000	C	Amount:\$	-150.00
Item Description: SUBGRADE TREATMENT, TYPE II									
Supplemental Description1:									
Supplemental Description2:									
0030	1801423	0030	214-11796	SYS	4.000	-5.000	C	Amount:\$	-20.00
Item Description: GEOGRID, TYPE IB									
Supplemental Description1:									
Supplemental Description2:									
0032	1801423	0032	302-07455	CYS	140.000	-1.000	C	Amount:\$	-140.00
Item Description: DENSE GRADED SUBBASE									
Supplemental Description1:									
Supplemental Description2:									
0051	1801423	0051	610-09108	SYS	150.000	-5.000	C	Amount:\$	-750.00
Item Description: PCCP FOR APPROACHES, 9 IN.									
Supplemental Description1:									
Supplemental Description2:									
0076	1801423	0076	732-11810	SFT	200.000	-12.000	C	Amount:\$	-2,400.00
Item Description: MODULAR BLOCK WALL									
Supplemental Description1:									
Supplemental Description2:									
0130	1801423	0130	105-06807	LS	3,536.960	1.000	C	Amount:\$	3,536.96
Item Description: ADDITIONAL									
Supplemental Description1: Additional End caps and Logo work									
Supplemental Description2:									

Total Value for Change Order 003 = \$ 76.96

Whereas, the Standard Specifications for this contract provides for such work to be performed, the following change is recommended.

General or Standard Change Order Explanation

ENTITLEMENT: This change order is being completed to officially incorporate construction change #3 into contract R-41318. The construction changes have been officially released on INDOT's letting pages and distributed to the contractor. In the contract, we had planned to build a brick wall along the edge of the church parking lot at the corner of US 40 and East Street. In the original plans, we were going to block off the South entrance and expand the alley approach. The Church requested that we move the entrance to the middle of the parking lot to better facilitate parking, so the designer redesigned plan page 27 to improve function of the wall and reduce cost to the contract.

General or Standard Change Order Explanation

IMPACT: This change will result in a reduction of quantities for Modular Block Wall, Subgrade Treatment type II, Geogrid Type IB, PCCP for Approaches 9in, and Dense Graded Subbase, and add two end caps for the wall and additional work for the logo. This should not impact the schedule, and No time shall be added to the contract.

General or Standard Change Order Explanation

COST: Because there is a reduction of several pay items this Change Order will have a quantity reduction of -\$3,460, and a cost increase of \$3,536. 96 for 2 added wall end caps, and additional logo work. Because both of these cost increases are included in the cost of other items, no

Contract No:R -41318

INDIANA

Date:11/04/2024

Change Order No:003

Department of Transportation

Page: 4

price comparison is available. No time adjustment is needed. This Change order is full and complete compensation for this issue.

Change Order Explanation for Specific Line Item

It is the intent of the parties that this change order is full and complete compensation for the work describe above.

Notification and consent to this change order is hereby acknowledged.

Contractor: _____

Signed By: _____

Date: _____

NOTE: Other required State and FHWA signatures will be obtained electronically through the SiteManager system.

Contract No:R -41318
Change Order No:003

INDIANA
Department of Transportation

Date:11/04/2024
Page: 5

APPROVED FOR LOCAL PUBLIC AGENCY

(SIGNATURE)

(TITLE)

(DATE)

(SIGNATURE)

(TITLE)

(DATE)

SUBMITTED FOR CONSIDERATION

PE/S _____

APPROVED FOR INDIANA DEPARTMENT OF TRANSPORTATION

Approval Level Name of Approver Date Status

**INDIANA Department of Transportation
Construction Change Order and Time Extension Summary**

Contract Information

District:GREENFIELD DISTRICT

Contract No.: R -41318

AE: Courtney, Kurt

Letting Date:02/15/2024

PE/S:Stoner, Chris

Status:Draft

Change Order Information

Date Generated: 00/00/0000

Change Order No.: 004

Date Approved: 00/00/0000

EWA: Y or Force Acct: N

Reason Code: MAINT. OF TRAFFIC SAFETY IMPROVEMENT

Description: Cane Detectable Barrier

Original Contract Amount

\$ 3,896,000.00

Current Change Order Amount

\$ 12,038.40

Percent: 0.309 %

Total Previous Approved Changes

\$ 69,275.55

Percent: 1.778 %

Total Change To-Date

\$ 81,313.95

Percent: 2.087 %

Modified Contract Amount

\$ 3,977,313.95

Time Extension Information

Date Initiated 00/00/0000

Date Completed 00/00/0000

Original Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SP Date 00/00/0000 or SP Days

(SS = Standard Specification, SP = Special Provision)

Time Element Description:

Current Time Extension

SS Days 0 SP Days 0

SP Days Value \$ 0.00

Previous Time Approved

SS Days by AE: _____ DCE: _____ SCE: _____ DDCM: _____

SS Days _____

SP Days Value \$ _____

Revised Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SS Date 00/00/0000

or SP Days 0

**INDIANA Department of Transportation
Construction Change Order and Time Extension Summary**

Review and Approval Information

Required Approval Authority AE: _____ DCE: _____ SCE: _____ * DDCM: _____ *
(\$ per Change Order) (- LE \$ 250K-) (- LE \$ 750K -) (-- LE \$ 2 M --) (-- GT \$ 2 M --)
(Days per Contract) (50 SS days) (100 SS days) (200 SS Days) (GT 200 SS days)

Verbal Approval Required? Y / N If Y, by _____ Date Issued _____

Total Change To-Date>5%? Y / N If Y , Copy to Program Budget Manager _____

Scope/Design Recommendation Required? Y / N If Y, Referred to Project Manager(PM) _____

Date to PM _____ Date Returned _____

Approval Authority Concurs with PM? Y / N If Y, Concurrence by _____ Date _____

If N,Resolution: Approved _____ Disapproved _____

Resolved by _____ Date _____

LPA Signatures Required? Y / N If Y, Date to LPA _____ Date Returned _____

FHWA Signatures Required? Y / N If Y, Date to FHWA _____ Date Returned _____

* Field Engineer Recommendation (Required for SCE or DDCM Approval)

Field Engineer _____ Date _____

Comments: _____

Contract No:R -41318
Change Order No:004

INDIANA
Department of Transportation

Date:11/04/2024
Page: 3

Contract: R -41318
Project: 1801423 - State:1801423
Change Order Nbr: 004
Change Order Description: Cane Detectable Barrier
Reason Code: MAINT. OF TRAFFIC SAFETY IMPROVEMENT

CLN	PCN	PLN	Item Code	Unit	Unit Price	CO Qty	Comment	Amount Change
0128	1801423	0128	602-000076	LFT	37.620	320.000	C	Amount:\$ 12,038.40

Item Description: LINEAR BARRIER DELINEATOR

Supplemental Description1: Cane Detectable Barrier wall

Supplemental Description2:

Total Value for Change Order 004 = \$ 12,038.40

Whereas, the Standard Specifications for this contract provides for such work to be performed, the following change is recommended.

General or Standard Change Order Explanation

Entitlement: In the Preconstruction Conference, Marcy Henry brought up that the contract had omitted Cane detectable barriers. Working through Mark Blake to make sure we were in compliance, we had Morphey order Plastic water fillable barrier wall from B and B (the MOT sub contractor) that were approved by Marcy to use as Cane detectable Barrier to comply with this requirement.

General or Standard Change Order Explanation

Impact: Obtaining extra barrier wall from the contractor added cost to the contract but did not delay any of the operations. As such, no time will be added to the contract for this change order, but we will be in compliance with ADA regulations and will have a barrier on the sidewalk portions that are adjacent to our project.

General or Standard Change Order Explanation

Cost: An Item will be added to contract R-41318 with 320 Lft of anticipated quantity of barrier wall at a price of \$37.62 per Lft for a total of \$12,038.40. As there was no delay associated with this cause or item, no time will be added to the contract. This Change Order is full and complete compensation for this issue.

Change Order Explanation for Specific Line Item

It is the intent of the parties that this change order is full and complete compensation for the work describe above.

Notification and consent to this change order is hereby acknowledged.

Contractor: _____

Signed By: _____

Date: _____

NOTE: Other required State and FHWA signatures will be obtained electronically through the SiteManager system.

Contract No:R -41318
Change Order No:004

INDIANA
Department of Transportation

Date:11/04/2024
Page: 4

APPROVED FOR LOCAL PUBLIC AGENCY

(SIGNATURE)

(TITLE)

(DATE)

(SIGNATURE)

(TITLE)

(DATE)

SUBMITTED FOR CONSIDERATION

PE/S _____

APPROVED FOR INDIANA DEPARTMENT OF TRANSPORTATION

Approval Level

Name of Approver

Date

Status

**INDIANA Department of Transportation
Construction Change Order and Time Extension Summary**

Contract Information

District:GREENFIELD DISTRICT

Contract No.: R -41318

AE: Courtney, Kurt

Letting Date:02/15/2024

PE/S: Stoner, Chris

Status:Draft

Change Order Information

Date Generated: 00/00/0000

Change Order No.: 007

Date Approved: 00/00/0000

EWA: Y or Force Acct: N

Reason Code: ERRORS & OMISSIONS, Design/Plan Related

Description: Topsoil

Original Contract Amount

\$ 3,896,000.00

Current Change Order Amount

\$ 29,210.00

Percent: 0.750 %

Total Previous Approved Changes

\$ 0.00

Percent: 0.000 %

Total Change To-Date

\$ 29,210.00

Percent: 0.750 %

Modified Contract Amount

\$ 3,925,210.00

Time Extension Information

Date Initiated 00/00/0000

Date Completed 00/00/0000

Original Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SP Date 00/00/0000 or SP Days

(SS = Standard Specification, SP = Special Provision)

Time Element Description:

Current Time Extension

SS Days 0 SP Days 0

SP Days Value \$ 0.00

Previous Time Approved

SS Days by AE: _____ DCE: _____ SCE: _____ DDCM: _____

SS Days _____

SP Days Value \$ _____

Revised Contract Time

SS Completion Date 00/00/0000 or SS Calendar/Work Days 0

SS Date 00/00/0000

or SP Days 0

INDIANA Department of Transportation
Construction Change Order and Time Extension Summary

Review and Approval Information

Required Approval Authority AE:_____ DCE:_____ SCE:_____ * DDCM:_____ *
(\$ per Change Order) (- LE \$ 250K-) (- LE \$ 750K -) (-- LE \$ 2 M --) (-- GT \$ 2 M --)
(Days per Contract) (50 SS days) (100 SS days) (200 SS Days) (GT 200 SS days)

Verbal Approval Required? Y / N If Y, by _____ Date Issued _____

Total Change To-Date>5%? Y / N If Y , Copy to Program Budget Manager _____

Scope/Design Recommendation Required? Y / N If Y, Referred to Project Manager(PM) _____
Date to PM _____ Date Returned _____

Approval Authority Concurs with PM? Y / N If Y, Concurrence by _____ Date _____
If N,Resolution: Approved _____ Disapproved _____
Resolved by _____ Date _____

LPA Signatures Required? Y / N If Y, Date to LPA _____ Date Returned _____

FHWA Signatures Required? Y / N If Y, Date to FHWA _____ Date Returned _____

* Field Engineer Recommendation (Required for SCE or DDCM Approval)

Field Engineer _____ Date _____

Comments: _____

Contract No:R -41318

INDIANA

Date:10/02/2024

Change Order No:007

Department of Transportation

Page: 3

Contract: R -41318
 Project: 1801423 - State:1801423
 Change Order Nbr: 007
 Change Order Description: Topsoil
 Reason Code: ERRORS & OMISSIONS, Design/Plan Related

CLN	PCN	PLN	Item Code	Unit	Unit Price	CO Qty	Comment	Amount Change
0129	1801423	0129	621-06570	CYS	116.840	250.000	C	Amount:\$ 29,210.00

Item Description: TOPSOIL
 Supplemental Description1:
 Supplemental Description2:

Total Value for Change Order 007 = \$ 29,210.00

Whereas, the Standard Specifications for this contract provides for such work to be performed, the following change is recommended.

General or Standard Change Order Explanation

Entitlement-We had anticipated being able to use the material obtained from Common Excavation as borrow on other parts of the contract, but most of our Common Excavation was to remove asphalt, or concrete, and the spoils would not support plant growth. The sod on the contract requires suitable soil underneath it. This Change Order is to add an estimated quantity of the Top Soil item to the contract.

General or Standard Change Order Explanation

Impact- Topsoil will be added to the contract and installed under the sod. No time will be added to the contract for this issue.

General or Standard Change Order Explanation

Cost- Morphey submitted a price that is outside the 95 percentile for this item, \$116.43 which is justifiable because the material is of a very high quality, and the work is in small locations that are spread across the city. Their pricing breakdown reflects their work pace at 7 Cubic Yards per hour, but the high level of hand work has made their production rate to about 2 trucks a day, or 3.75 Cubic yards per hour which would be much more expensive on Force Account. This Change Order is full and complete compensation for this issue.

Change Order Explanation for Specific Line Item

It is the intent of the parties that this change order is full and complete compensation for the work describe above.
 Notification and consent to this change order is hereby acknowledged.

Contractor: _____

Signed By: _____

Date: _____

NOTE: Other required State and FHWA signatures will be obtained electronically through the SiteManager system.

Contract No:R -41318
Change Order No:007

INDIANA
Department of Transportation

Date:10/02/2024
Page: 4

APPROVED FOR LOCAL PUBLIC AGENCY

(SIGNATURE)

(TITLE)

(DATE)

(SIGNATURE)

(TITLE)

(DATE)

SUBMITTED FOR CONSIDERATION

PE/S _____

APPROVED FOR INDIANA DEPARTMENT OF TRANSPORTATION

Approval Level

Name of Approver

Date

Status