

**BOARD OF PUBLIC WORKS AND SAFETY  
Agenda Request Form**

(Form B-01-2012)

*Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard. Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:00 p.m. in City Hall located at 70 E. Monroe Street.*

<b>Date Submitted:</b>	March 8, 2021	<b>Meeting Date:</b>	March 15, 2021
<b>Contact Information:</b>			
<b>Requested by:</b>	Mark Richards		
<b>On Behalf of Organization or Individual:</b> Department of Planning & Engineering			
<b>Telephone:</b>	317-736-3631		
<b>Email address:</b>	mrichards@franklin.in.gov		
<b>Mailing Address:</b>	70 E. Monroe Street, Franklin, IN 46131		
<b>Describe Request:</b>			
Approval of Change Orders No. 1, 2, & 3, Amphitheater Project			
<b>List Supporting Documentation Provided:</b>			
CO 1 CO 2 CO 3			
<b>Who will present the request?</b>			
<b>Name:</b>	Mark Richards	<b>Telephone:</b>	317-736-3631

*In order for an individual and/or agency to be considered for new business on the Board of Works agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 4:00 p.m. on the Wednesday before the meeting.*



February 22, 2021

Mr. Mark Richards  
70 E. Monroe Street  
Franklin, In 46131

RE: Franklin Greenways Trail Amphitheater  
Change Order #1

Mr. Richards,

Please find below a brief description of Change Order #1 for the above-mentioned contract along with a summary of the financial impacts this Change Order will have on the contract.

Change Order #1, Pickleball court surfacing, nets and striping. The addition of the pickleball courts is something the City of Franklin decided they wanted after the bidding of the job was complete. This change order includes the acrylic surfacing, installation of nets, and striping of eight (8) pickleball courts. The pickleball courts pavement section is the same as the trail section already in the job. The square yardage of pavement needed for the pickleball courts will be paid for using the existing unit price for the trail pavement section based on a square yard basis. **The total amount for Change Order #1 is \$31,560.00.** The total monetary impact of this work including existing line items and change order items is \$95,668.21. These unit prices have been reviewed and are within a reasonable range of other unit prices on similar contract work. A contract time adjustment is not required for this change. Board of Works approval is necessary because this work is being completed within the City's Contract.

Let me know if you have any questions or need further explanation of this Change Order prior to Board approval.

Respectfully,

Charles R. Stewart  
CrossRoad Engineers P.C.

cc: Trent Newport, President CrossRoad Engineers PC  
Brad Stahley, CrossRoad Engineers PC  
File, Franklin Greenways Trail Amphitheater

## CITY OF FRANKLIN

TO: Myers Construction Management, Inc  
13518 Myrtle Lane  
Fishers, IN 46038

CHANGE ORDER NO.: 1  
DATE: 2/22/2021  
PROJECT NAME: Franklin Greenway Trail Amphitheater  
CITY REQ. NO.:  
CITY PO NO.:  
CITY PO DATE:

## I. You are directed to make the following changes in this Contract:

There are to be eight (8) pickleball courts installed as part of the project. Existing line items exist to pay for the earthwork and asphalt for the proposed courts and is not included in this change order. This change order is to address the acrylic surfacing, striping, and net installation of the eight (8) pickleball courts as this work falls outside of current contract work.

<u>ITEM</u>	<u>AMOUNT</u>	<u>SCHEDULED ADJUSTMENT</u> <u>(+) OR ( - ) DAYS</u>
See Change Order Table #1 (attached)	\$31,560.00	0

II. The following referenced Documents further describe the changes outlined in Paragraph I,  
and are to be considered a part of this Change Order:

Quantity Breakdown of Items

The changes result in the following adjustment of Contract Price and Contract Time:

Contract Price prior to this Change Order		<u>\$5,672,672.70</u>
Contract Price will be <b>increased</b> by this Change Order		<u>\$31,560.00</u>
New Contract Price including this Change Order		<u>\$5,704,232.70</u>
Contract Time prior to this Change Order	N/A Days	Completion Date: October 22, 2021
Net increased/decreased resulting from this Change Order		0 Days
Current Contract Time including this Change Order	<u>N/A</u> Days	Completion Date: October 22, 2021

This Change Order is for full and final settlement of all direct, indirect, impact costs and time extensions incurred at any time resulting from the performance of the changed work.

The Above Changes Are Recommended	The Above Changes Are Accepted	Approved
<u>CrossRoad Engineers, P.C.</u>	<u>Myers Construction Management, Inc</u>	_____
ENGINEER	CONTRACTOR	Steve Barnett, Mayor
<u>3417 Sherman Drive</u>	<u>13518 Myrtle Lane</u>	_____
Address	Address	_____
<u>Beech Grove, IN 46107</u>	<u>Fishers, IN 46038</u>	_____
City/State/Zip	City/State/Zip	
By: <u>Charles R. Stewart</u>	By: _____	ATTEST:
Phone: <u>(317) 780-1555</u>	Phone: <u>317-773-3590</u>	_____

Date: 02/23/2022

Date: 02/23/2021

Date: \_\_\_\_\_

## CITY OF FRANKLIN

### Franklin Greenway Trail Amphitheater

#### CHANGE ORDER TABLE

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	ORIGINAL AMOUNT	FINAL QUANTITY	FINAL AMOUNT	OVER/UNDER
*117	Acrylic Surfacing of Courts	EA	\$1,691.00	0	\$0.00	8	\$13,528.00	\$13,528.00
*118	Install Playing Nets	EA	\$1,691.00	0	\$0.00	8	\$13,528.00	\$13,528.00
*119	Stripe Courts	EA	\$563.00	0	\$0.00	8	\$4,504.00	\$4,504.00
TOTAL OF CHANGE ORDER ITEMS					\$0.00		\$31,560.00	\$31,560.00

#### TOTAL ORIGINAL CONTRACT PLUS CHANGE ORDER ITEMS

ORIGINAL CONTRACT PRICE	\$5,672,672.70
CHANGE ORDER #1	\$31,560.00
NEW CONTRACT AMOUNT INCLUDING APPROVED CHANGE ORDERS	\$5,704,232.70

\* Indicates additional item added to the contract.



December 21, 2020

Mr. Brad Stahley  
Crossroad Engineers, PC

RE: Franklin Greenways Trail Amphitheater: COR #5

Dear Mr. Stahley,

This correspondence is to present pricing for COR #5, which includes the unit prices to install the acrylic surfacing, install playing nets, and stripe pickleball courts .

**COR #5:**

**Scope-Of-Work**

**Acrylic Surfacing of Pickleball Courts**

1) Leslie Coatings	
Acrylic Surfacing.....	\$ 1,500.00
<b>MCMI 10% MARK-UP ON SUBCONTRACTED WORK...</b>	<b>\$ 150.00</b>
<b>PERFORMANCE &amp; PAYMENT BOND.....</b>	<b>\$ 41.00</b>
<b>TOTAL ADD FOR ACRYLIC SURFACING.....</b>	<b>\$ 1,691.00 /EA</b>

**Install Playing Nets on Pickleball Courts**

1) Leslie Coatings	
Install Playing Nets.....	\$ 1,500.00
<b>MCMI 10% MARK-UP ON SUBCONTRACTED WORK...</b>	<b>\$ 150.00</b>
<b>PERFORMANCE &amp; PAYMENT BOND.....</b>	<b>\$ 41.00</b>
<b>TOTAL ADD FOR PLAYING NETS.....</b>	<b>\$ 1,691.00 /EA</b>

**Stripe Pickleball Courts**

1) Leslie Coatings	
Stripe Courts.....	\$ 500.00
<b>MCMI 10% MARK-UP ON SUBCONTRACTED WORK...</b>	<b>\$ 50.00</b>
<b>PERFORMANCE &amp; PAYMENT BOND.....</b>	<b>\$ 13.00</b>
<b>TOTAL ADD FOR STRIPING.....</b>	<b>\$ 563.00 /EA</b>

If you have any questions or need any additional information, please feel free to give me a call.

Sincerely,

A handwritten signature in black ink, appearing to read "CD Arnold", is written over a light blue horizontal line.

Chad D Arnold  
Project Coordinator

13518 Myrtle Lane, Fishers, IN 46038 (317) 773-3590 Fax (317) 773-3591



1101 EAST 30<sup>TH</sup> STREET,  
INDIANAPOLIS, INDIANA 46205  
WWW.LESLIECOATINGS.COM

PHONE (317) 926-3411  
FAX (317) 923-7617  
TOLL FREE 1-877-428-0465

THE STANDARD SINCE 1948

### **PROPOSAL**

Date: December 14, 2020  
Project Number: TC-5417  
Job Name: Franklin Ampitheater  
Estimate Submitted To: Myers Construction  
E-Mail: chad@MyersCM.com

#### **JOB DESCRIPTION: - Work to be completed in 2021 – 8 Pickleball Courts**

- Acrylic Surfacing of Pickleball Courts = \$1,500.00 Each (\$12,000.00)
- Install Playing Nets on Pickleball Courts = \$1,500.00 Each (\$12,000.00)
- Stripe Pickleball Courts = \$500.00 Each (\$4,000.00)

**AUTHORIZED SIGNATURE: Matthew Strom, CTCB**

**Acceptance of Estimate:** The above prices and specifications are satisfactory and are hereby accepted.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Accepted proposal is subject to Delay or Non- Performance due to issues out of our control including shortage of labor, weather, accidents or acts of god.

**DESIRED DATES OF WORK** \_\_\_\_\_

**E-MAIL ADDRESS FOR INVOICING** \_\_\_\_\_

**COURT SURFACE COLORS DESIRED** \_\_\_\_\_



December 11, 2020

Mr. Steve Ferguson  
Myers Construction Management Inc.  
13518 Myrtle Ln  
Fishers, IN 46038



RE: Franklin Greenway Trail Amphitheater Price Request

Mr. Ferguson,

We have received updated plan sheets and specifications from Shrewsberry regarding the pickleball courts that are to be installed within the limits of the Amphitheater project. Myers needs to provide a unit price to complete the installation of the eight (8) pickleball courts. Pricing shall be provided on a per each basis for the items listed below. The work to construct the actual pickleball courts themselves will be paid for at the existing bid unit price for the Trail Asphalt Pavement Section of \$35.46/SYD.

Pricing should be provided in accordance with INDOT standard specification 109.05(a). Installation and the materials for the work shall be done in accordance with the attached specifications.

DESCRIPTION	QTY	UNIT
Acrylic Surfacing of Pickleball Courts	8	EACH
Install Playing Nets on Pickleball Courts	8	EACH
Stripe Pickleball Courts	8	EACH

Respectfully,

A handwritten signature in blue ink that reads 'Charles R. Stewart'.

Charles Stewart  
CrossRoad Engineers P.C.

cc: Mark Richards, City of Franklin Engineer  
Chip Orner, City of Franklin Parks and Rec  
Zach Berninger, Shrewsberry and Associates  
Brad Stahley, Crossroad Engineers P.C.  
Trent Newport P.E., L.S., Crossroad Engineers P.C.  
File, Franklin Amphitheater



GENERAL SITE NOTES

1. THE CONTRACT DOCUMENTS CONSIST OF THESE DRAWINGS AND SEPARATELY BOUND PROJECT MANUAL INCLUDING INTRODUCTORY INFORMATION, BIDDING REQUIREMENTS, CONTRACT PROVISIONS, GENERAL CONDITIONS, AND TECHNICAL SPECIFICATIONS.
2. TOPOGRAPHIC AND SURVEY BASE INFORMATION REPRESENTATIVE OF EXISTING SITE CONDITIONS HAS BEEN OBTAINED FROM A TOPOGRAPHIC SURVEY CERTIFIED BY CROSSROAD ENGINEERING. SHREWSBERRY ASSOCIATES CLAIMS NO RESPONSIBILITY FOR THE ACCURACY OF THE BASE INFORMATION PROVIDED BY OTHERS.
3. VERIFY DRAWING INFORMATION WITH EXISTING SITE CONDITIONS. PROMPTLY REPORT CONCEALED CONDITIONS, DISCREPANCIES, AND DEVIATIONS IN EXISTING CONDITIONS FROM INFORMATION SHOWN IN CONTRACT DOCUMENTS. THE OWNER SHALL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES OR EXTRA WORK REQUIRED TO CORRECT UNREPORTED DISCREPANCIES.
4. SECURE AND PAY FOR PERMITS, FEES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION OF THE WORK. COMPLY WITH CODES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION APPLICABLE TO THIS WORK.
5. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
6. ANY MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, AND LOCAL LAWS AND ORDINANCES.

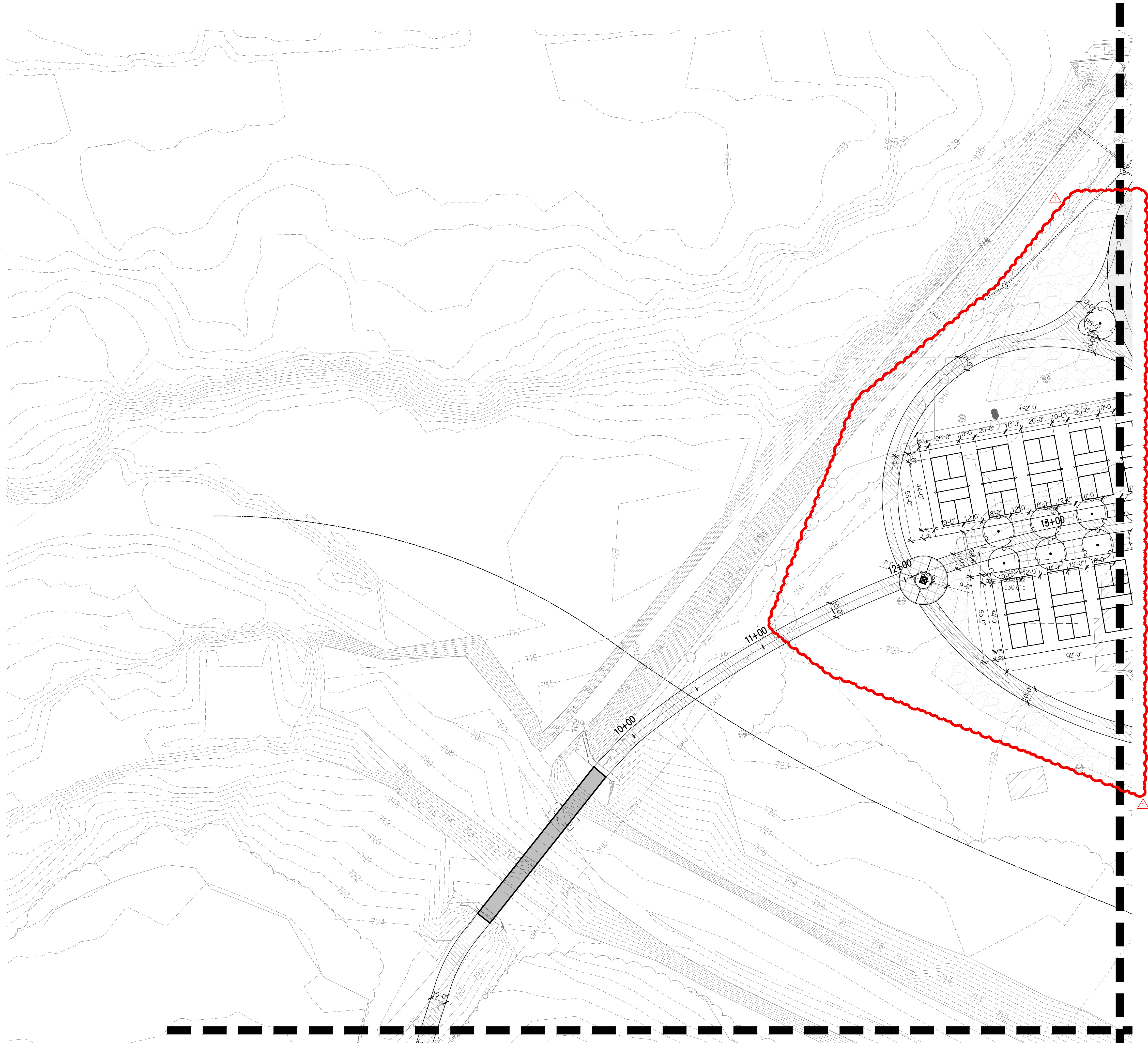
7. DAMAGES TO EXISTING IMPROVEMENTS, EXCAVATION AND / OR REMOVAL OF ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION SHALL BE KEPT TO A MINIMUM. EXISTING IMPROVEMENTS TO REMAIN DAMAGED DURING CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED OR REPLACED BY CONTRACTOR, WITH NO ADDITIONAL PAYMENT MADE.
8. PROVIDE SMOOTH TRANSITION FROM NEW CONSTRUCTION TO EXISTING CONSTRUCTION TO REMAIN AS INDICATED ON DRAWINGS AND AS NECESSARY.
9. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF AUTHORITIES HAVING JURISDICTION.
10. ALL CONSTRUCTION ACTIVITY ON THIS SITE SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
11. CONTRACTOR SHALL INSPECT AND CLEAN SITE DAILY AND REMOVE ALL MUD, DIRT, GRAVEL, AND LOOSE MATERIALS TRACKED, DUMPED, SPILLED OR WIND BLOWN FROM THE CONSTRUCTION SITE ONTO OTHER SITES, RIGHT OF WAYS, PUBLIC OR PRIVATE STREETS OR ROADS, DRIVEWAYS, YARDS, OR SIDEWALKS. THE CONTRACTOR SHALL SPRAY WITH A FINE MIST WATER SPRAY AS NEEDED TO REDUCE AIRBORNE DUST DURING CONSTRUCTION.
12. CONTRACTOR SHALL PROVIDE AT THEIR EXPENSE, VEHICULAR AND PEDESTRIAN CONTROL DEVICES AND METHODS AS REQUIRED TO MAINTAIN TEMPORARY TRAFFIC CONTROL MEETING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL MAINTAIN MINIMUM ACCESS REQUIREMENTS FOR EMERGENCY VEHICLES DURING CONSTRUCTION AS DETERMINED BY AUTHORITIES HAVING JURISDICTION. THIS SHALL INCLUDE PROVISIONS FOR UNINTERRUPTED EMERGENCY ACCESS DURING CONSTRUCTION TO EACH ACCESSIBLE BUILDING ENTRY.

LAYOUT NOTES

1. DO NOT SCALE DRAWINGS TO DETERMINE LAYOUT INFORMATION.
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ELEVATIONS AND DIMENSIONS THROUGHOUT CONSTRUCTION. IF DISCREPANCIES ARE FOUND BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY FOR INSTRUCTION BEFORE PROCEEDING.
3. CONTRACTOR SHALL STAKE AND VERIFY DIMENSIONS IN FIELD PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. OBTAIN OWNERS REPRESENTATIVE APPROVAL BEFORE STARTING CONSTRUCTION. REVIEW ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD DIMENSIONS IMMEDIATELY WITH THE OWNERS REPRESENTATIVE FOR RESOLUTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADJUSTMENTS NECESSARY TO CORRECT WORK NOT CONSTRUCTED AS DRAWN.
4. CONTRACTOR SHALL MAINTAIN LAYOUT STAKES DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE TO REPLACE BROKEN, MISSING OR DISLOCATED LAYOUT STAKES.
5. DIMENSIONS TO CURBS OR GUTTERS SHALL BE TO THE FACE OF CURB. DIMENSIONS TO PAVEMENTS SHALL BE TO THE EDGE OF PAVEMENT.
6. ROADWAYS AND DRIVES SHALL BE MEASURED FROM THE FACE OF CURB OR EDGE OF PAVEMENT.
7. DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO BASE LINES, PROPERTY LINES OR BUILDING LINES UNLESS NOTED OTHERWISE.
8. RADI SHALL BE FORMED AS CIRCULAR ARCS. ALL CURVES AND ARCS SHALL INTERSECT OTHER CURVES AND LINES AT POINTS OF TANGENCY TO FORM SMOOTH TRANSITIONS UNLESS NOTED OTHERWISE.
7. PROVIDE LAYOUT STAKES MAXIMUM OF 10' ON-CENTER ALONG LARGE ARCS WITH INACCESSIBLE RADIUS POINTS.
8. STRIPING ASSOCIATED WITH PARKING STALLS AND LOADING ZONES SHALL BE THE FOLLOWING: ACCESSIBLE PARKING STALLS - 4' WIDE PAINTED BLUE, PARKING STALLS AND LOADING ZONES - 4' WIDE PAINTED WHITE.
9. REFER TO LANDSCAPE PLANS FOR LAYOUT OF TREES, SHRUBS, PLANTING BEDS AND LAWN AREAS.

KEYNOTE LEGEND

DESCRIPTION	
	4" CONCRETE, PLAIN; SEE SHEET L801 FOR DETAIL
	4" CONCRETE, SOLOMON COLORS EARTHEN, 338; SEE SHEET L801 FOR DETAIL
	4" CONCRETE, SOLOMON COLORS LEATHER, 338; SEE SHEET L801 FOR DETAIL
	4" CONCRETE, SOLOMON COLORS CHARCOAL, 920; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY CONCRETE, PLAIN; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY CONCRETE, SOLOMON COLORS EARTHEN, 338; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY CONCRETE, SOLOMON COLORS LEATHER, 338; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY CONCRETE, SOLOMON COLORS CHARCOAL, 920; SEE SHEET L801 FOR DETAIL
	CONTROL JOINT, SAWCUT; SEE SHEET L801 FOR DETAIL
	EXPANSION JOINT; SEE SHEET L801 FOR DETAIL
	STANDARD 6" CONCRETE CURB; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY 6" CONCRETE CURB; SEE SHEET L801 FOR DETAIL
	DEPRESSED CONCRETE CURB; SEE SHEET L801 FOR DETAIL
	INTEGRAL 6" CONCRETE CURB; SEE SHEET L801 FOR DETAIL
	CURB TAPER; SEE SHEET L801 FOR DETAIL
	AMPHITHEATER, SEE ARCH DWGS.
	RESTROOM BUILDING, SEE ARCH DWGS
	20' X 14' (2) POST SHELTER
	RESTACK EXISTING BLOCK RETAINING WALL
	18" BRICK SEAT WALL; SEE SHEET L802 FOR DETAIL
	CONCRETE RETAINING WALL; SEE SHEET L802 FOR DETAIL
	POURED-IN-PLACE SAFETY SURFACE, PRO-TECHS SURFACING COLOR P7, DARK GREY; SEE SHEET L801 FOR DETAIL
	POURED-IN-PLACE SAFETY SURFACE, PRO-TECHS SURFACING COLOR 36, MEDIUM GREY; SEE SHEET L801 FOR DETAIL
	POURED-IN-PLACE SAFETY SURFACE, PRO-TECHS SURFACING COLOR 65, BLACK; SEE SHEET L801 FOR DETAIL
	POURED-IN-PLACE SAFETY SURFACE, PRO-TECHS SURFACING COLOR 32, RED; SEE SHEET L801 FOR DETAIL
	ENGINEERED WOOD FIBER SAFETY MULCH; SEE SHEET L801 FOR DETAIL
	STANDARD DUTY ASPHALT PAVEMENT; SEE SHEET L801 FOR DETAIL
	HEAVY DUTY ASPHALT PAVEMENT; SEE SHEET L801 FOR DETAIL
	1.5" MILL & OVERLAY
	ASPHALT TRAIL; SEE SHEET L801 FOR DETAIL
	24" WHITE STOP BAR
	4" WHITE PAINT
	4" BLUE PAINT
	4" YELLOW PAINT
	WHEEL STOP
	ADA PARKING SPACE; SEE SHEET L802 FOR DETAIL
	ADA SIGNAGE; SEE SHEET L802 FOR DETAIL
	ADA RAMP
	ADA RAMP WITH STEEL TRUNCATED DOMES
	STOP SIGN; SEE SHEET L802 FOR DETAIL
	PUBLIC PARKING SIGN; SEE SHEET L802 FOR DETAIL
	30' FLAG POLE
	25' FLAG POLE
	BOLLARD WITH LED LIGHTING
	STANDARD BOLLARD
	REMOVABLE BOLLARD
	STANDARD BOLLARD WITH CHAIN EYELET
	METAL BENCH, BACKLESS
	METAL BENCH, BACKLESS; ALTERNATE 3
	METAL BENCH WITH BACK
	METAL BENCH WITH BACK; ALTERNATE 3
	SINGLE ACORN FIXTURE, 14' POLE
	SINGLE ACORN FIXTURE, 18' POLE
	RELOCATED LIGHT FIXTURE
	EXISTING LIGHT FIXTURE TO REMAIN
	POLE, CATENARY LIGHTS
	CATENARY LIGHTING SYSTEM
	FLAG POLE LIGHT
	SPLIT RAIL FENCE
	TRASH RECEPTACLE
	TRASH RECEPTACLE; ALTERNATE 3
	BIKE RACK; ALTERNATE 3
	LANDSCAPE BED; SEE SHEET L804 FOR DETAIL
	TRAILSIDE MONUMENT; SEE SHEET L803 FOR DETAIL
	TRAILSIDE MONUMENT; ALTERNATE 3; SEE SHEET L803 FOR DETAIL
	HOSE BIB, SEE CIVIL DWGS
	WATER FOUNTAIN, SEE CIVIL DWGS
	ELECTRICAL PEDESTAL, SEE MEP DWGS
	CLEAR SPAN BRIDGE, SEE CIVIL DWGS



SITE LAYOUT PLAN

Scale: 1" = 30'

REVISIONS

DESCRIPTION

DATE

NO.

1

CLIENT



DESIGN TEAM

shrewsberry

STUDIO M

ARCHITECTURE & PLANNING

kbso

CONSULTING

CROSSROAD

ENGINEERS, PC

CERTIFIED BY

ZACHARIAH R. BRUNING

REGISTERED

No. LA2100085

STATE OF INDIANA

LANDSCAPE ARCHITECT

CITY OF FRANKLIN

FRANKLIN GREENWAYS

TRAIL AMPHITHEATER

237 W. MONROE STREET

FRANKLIN, INDIANA 46131

DATE: 2020.05.08

PROJECT NO.: 19-0107

DRAWN BY: MH

CHECKED BY: ZB

FINAL

CONSTRUCTION

DRAWINGS

SHEET TITLE: LAYOUT PLAN

SHEET NO.: L201



February 22, 2021

Mr. Mark Richards  
70 E. Monroe Street  
Franklin, In 46131



RE: Franklin Greenways Trail Amphitheater  
Change Order #2

Mr. Richards,

Please find below a brief description of Change Order #2 for the above-mentioned contract along with a summary of the financial impacts this Change Order will have on the contract.

Change Order #2, Timber Railing and Compacted Aggregate. Due to the slopes at the four corners where the HMA path meets the pedestrian bridge the addition of a timber safety railing is needed. Per INDOT standard details a three-foot-wide stone shoulder needs to be installed with the hand railing. This change order includes the 115 LFT of timber hand railing and 18 tons of compacted aggregate No. 53 for the stone shoulders. **The total amount for Change Order #2 is \$11,565.82,** which is comprised of \$78.52/LFT for the timber railing and \$140.89/TON for the compacted aggregate shoulder. These unit prices have been reviewed and are within a reasonable range of other unit prices on similar contract work. A contract time adjustment is not required for this change. Board of Works approval is necessary because this work is being completed within the City's Contract.

Let me know if you have any questions or need further explanation of this Change Order prior to Board approval.

Respectfully,

A handwritten signature in blue ink, reading "Charles R. Stewart", is positioned below the word "Respectfully,". The signature is fluid and cursive.

Charles R. Stewart  
CrossRoad Engineers P.C.

cc: Chip Orner, City of Franklin, Parks Director  
Trent Newport, President CrossRoad Engineers PC  
Brad Stahley, CrossRoad Engineers PC  
File, Franklin Greenways Trail Amphitheater

## CITY OF FRANKLIN

TO: Myers Construction Management, Inc  
13518 Myrtle Lane  
Fishers, IN 46038

CHANGE ORDER NO.: 2  
DATE: 2/22/2021  
PROJECT NAME: Franklin Greenway Trail Amphitheater  
CITY REQ. NO.:  
CITY PO NO.:  
CITY PO DATE:

## I. You are directed to make the following changes in this Contract:

There will be a safety timber hand railing and three foot wide compacted aggregate shoulder installed at all four corners of the pedestrian bridge due to steep slopes that are present. The pricing for this additional work is approved as \$78.52/LFT for the timber railing and \$140.89/TON for the compacted aggregate shoulders, these prices are from the Bullseye Fence Design Inc quote. This change order addresses work that falls outside of current contract work.

<u>ITEM</u>	<u>AMOUNT</u>	<u>SCHEDULED ADJUSTMENT</u> <u>(+) OR ( - ) DAYS</u>
See Change Order Table #2 (attached)	\$11,565.82	0

II. The following referenced Documents further describe the changes outlined in Paragraph I, and are to be considered a part of this Change Order:

Quantity Breakdown of Items

The changes result in the following adjustment of Contract Price and Contract Time:

Contract Price prior to this Change Order		<u>\$5,704,232.70</u>
Contract Price will be <b>increased</b> by this Change Order		<u>\$11,565.82</u>
New Contract Price including this Change Order		<u>\$5,715,798.52</u>
Contract Time prior to this Change Order	N/A Days	Completion Date: October 22, 2021
Net increased/decreased resulting from this Change Order		0 Days
Current Contract Time including this Change Order	<u>N/A</u> Days	Completion Date: October 22, 2021

This Change Order is for full and final settlement of all direct, indirect, impact costs and time extensions incurred at any time resulting from the performance of the changed work.

The Above Changes Are  
Recommended

CrossRoad Engineers, P.C.  
ENGINEER  
3417 Sherman Drive  
Address  
Beech Grove, IN 46107  
City/State/Zip  
By: Charles R. Stewart  
Phone: (317) 780-1555

The Above Changes Are Accepted

Myers Construction Management, Inc  
CONTRACTOR  
13518 Myrtle Lane  
Address  
Fishers, IN 46038  
City/State/Zip  
By: (317) 773-3590  
Phone: (317) 773-3590

Approved

Steve Barnett, Mayor

ATTEST:

Date: 3/9/20

Date: 3/9/2021

Date: \_\_\_\_\_

## CITY OF FRANKLIN

### Franklin Greenway Trail Amphitheater

#### CHANGE ORDER TABLE

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	ORIGINAL AMOUNT	FINAL QUANTITY	FINAL AMOUNT	OVER/UNDER
*120	Timber Railing at Bridge	LFT	\$78.52	0	\$0.00	115	\$9,029.80	\$9,029.80
*121	Compacted Aggregate Shoulder, No. 53	TON	\$140.89	0	\$0.00	18	\$2,536.02	\$2,536.02
TOTAL OF CHANGE ORDER ITEMS					\$0.00		\$11,565.82	\$11,565.82

#### TOTAL ORIGINAL CONTRACT PLUS CHANGE ORDER ITEMS

ORIGINAL CONTRACT PRICE	\$5,672,672.70
CHANGE ORDER #1	\$31,560.00
CHANGE ORDER #2	\$11,565.82
NEW CONTRACT AMOUNT INCLUDING APPROVED CHANGE ORDERS	\$5,715,798.52

\* Indicates additional item added to the contract.





February 22, 2021

Mr. Brad Stahley  
Crossroad Engineers, PC

RE: Franklin Greenways Trail Amphitheater: COR #4 REVISED

Dear Mr. Stahley,

This correspondence is to present pricing for COR #4, which includes the unit price to install timber safety railing and compacted aggregate shoulder at pedestrian bridge deck.

**COR #4:**

**Scope-Of-Work**

**Railing Wood End Treatment**

1) Bullseye Fence Design Inc..

Railing Wood End Treatment 115 LF x \$69.64/LF..... \$ 8,008.60

**MCMI 10% MARK-UP ON SUBCONTRACTED WORK... \$ 800.86**

**PERFORMANCE & PAYMENT BOND..... \$ 220.00**

**TOTAL ADD FOR RAILING END TREATMENT..... \$ 9,029.46**  
**or \$78.52/LF**

**Compacted Aggregate Shoulder, No. 53**

2) Harding Group

Compacted Aggregate Shoulder 18 TON x \$125/TON.... \$ 2,250.00

**MCMI 10% MARK-UP ON SUBCONTRACTED WORK... \$ 225.00**

**PERFORMANCE & PAYMENT BOND..... \$ 61.00**

**TOTAL ADD FOR COMPACTED AGGREGATE..... \$ 2,536.00**  
**or \$140.89/TON**

If you have any questions or need any additional information, please feel free to give me a call.

Sincerely,

A handwritten signature in black ink, appearing to read "CD Arnold", is written over a light blue horizontal line.

Chad D Arnold  
Project Coordinator



# PROPOSAL

Serving Customers like you with *Exceptional Quality* and *Value*



**Brady Harvey**  
Commercial Sales  
Mobile: (317) 918-5803  
Email: [brady@bullseyefence.com](mailto:brady@bullseyefence.com)  
P.O. Box 941  
Noblesville, IN 46061

Contact : Chad Arnold

Location : Franklin IN

Phone : 317-716-7610

Quotation # : 12102020

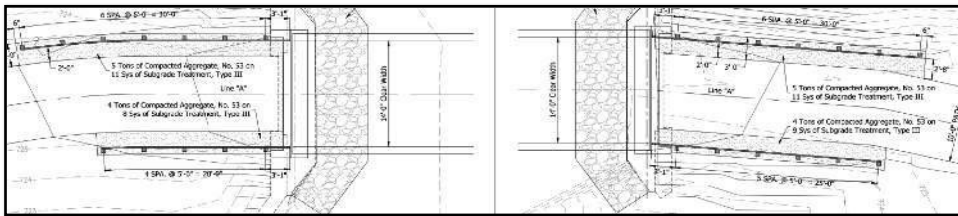
Date: 12/10/2020

E-Mail : [chad@MyersCM.com](mailto:chad@MyersCM.com)

For : Fences and Gates

DESCRIPTION	MATERIALS & LABOR										
<p><u>Scope of work to be performed:</u></p> <p><u>Installation Scope</u></p> <p>Provide and install up to 110 LF of timber wood guard rail (6 rail), 6" x 6" posts, 2" x 6" wood rails, 5' OC post spacing, 5/16" x 4" galvanized lag screws will be used to secure rails to posts</p> <p>1. Materials and Installation Labor 2. Mobilization/ Demobilization 3. General Conditions</p> <p><b>Note: Concrete coring and/or Hydro-excavation not included in provided pricing.</b></p>	<table> <tr> <th>Line Item #</th><th>TOTAL</th></tr> <tr> <td>1.)</td><td>\$6,895.00</td></tr> <tr> <td>2.)</td><td>\$500.00</td></tr> <tr> <td>3.)</td><td>\$300.00</td></tr> <tr> <td><b>Sub Total:</b></td><td><b>\$7,695.00</b></td></tr> </table>	Line Item #	TOTAL	1.)	\$6,895.00	2.)	\$500.00	3.)	\$300.00	<b>Sub Total:</b>	<b>\$7,695.00</b>
Line Item #	TOTAL										
1.)	\$6,895.00										
2.)	\$500.00										
3.)	\$300.00										
<b>Sub Total:</b>	<b>\$7,695.00</b>										

## Bullseye Fence Design, Inc. Takeoff Attached Separately



<b>TOTAL</b>	<b>\$7,695.00</b>
--------------	-------------------

Any alteration or deviation from above specifications involving extra costs will be executed only upon written change order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, weather or delays beyond our control.

Respectfully  
submitted by: **Brady Harvey (317) 918-5803**

## ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

**Note** - This proposal may be withdrawn if not accepted within 30 days.

Date of Acceptance: \_\_\_\_\_ Signature: \_\_\_\_\_

Print: \_\_\_\_\_

Licensed, Bonded & Insured





**HARDING GROUP**

# PROPOSAL

Harding Group  
2916 Kentucky Ave.  
Indianapolis, IN 46221  
317-849-9666

12/04/2020

QUOTE Chad D Arnold  
TO Myers Construction Management , Inc

JOB	LOCATION	ESTIMATOR
Timber Safety Stone		

BIDITEM CODE	DESCRIPTION	QUAN	UNIT	UNIT PRICE	EXT PRICE
10	Compacted Agg shlder #53	18.000	TON	\$ 125.00	\$2,250.00
TOTAL:					\$2,250.00

Acceptance of Proposal:

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

- Proposal includes all applicable taxes.
- Proposal does not include any bonds.
- Proposal does not include any permits.
- Proposal does not include any testing.
- Proposal does not include any night work.
- Proposal based on work being completed during the week.
- Proposal does not include any landscaping adjacent to work areas.
- Harding Group is not responsible for unsuitable subgrade. Subgrade to be fully prepared by others to within 1/10th of a foot.
- Harding Group is not responsible for damage to any landscaping, sprinklers, trees, etc.
- Price is based on plans and specs dated
- All work areas will be barricaded off while work is being performed.
- Owner will be responsible for access to site including, but not limited to, removal of all obstructions in work areas.
- Harding Group will not be responsible for damage to stone or asphalt because of construction traffic.
- Price excludes engineering for Harding's scope of work.
- Prices are based on all work being completed in 2020. Any work not completed in 2020 will be subject to escalations.
- Price is lump sum. Performing a portion of the work will result in a price change.
- Price is based on (1) trip to site. Additional trips will result in a price change
- Additional mobilizations for stone and grading will be \$2,500 each.
- Pricing on proposal is applicable for 30 days.
- Proposals accepted more than 30 days after proposal date may be subject to escalations.





November 17, 2020

Mr. Steve Ferguson  
Myers Construction Management Inc.  
13518 Myrtle Ln  
Fishers, IN 46038

RE: Franklin Greenway Trail Amphitheater Price Request, Timber Safety Railing

Mr. Ferguson,

After reevaluating the side slopes on all four (4) corners where the HMA path ties into the pedestrian bridge deck, CrossRoad Engineers has determined that a timber safety railing needs to be installed on all corners. A three-foot-wide compacted stone shoulder will also need to be installed along the trail in these areas.

Please see the railing detail attached in this price request and provide a unit price to complete the installation of the railing and the compacted aggregate shoulders. Pricing shall be provided on a per linear foot basis for the railing and a per ton basis for the aggregate and in accordance with INDOT standard specification 109.05(a). The work shall be completed in accordance with the attached standard specifications.

DESCRIPTION	QTY	UNIT
Railing Wood End Treatment	115	LFT
Compacted Aggregate Shoulder, No. 53	18	TON

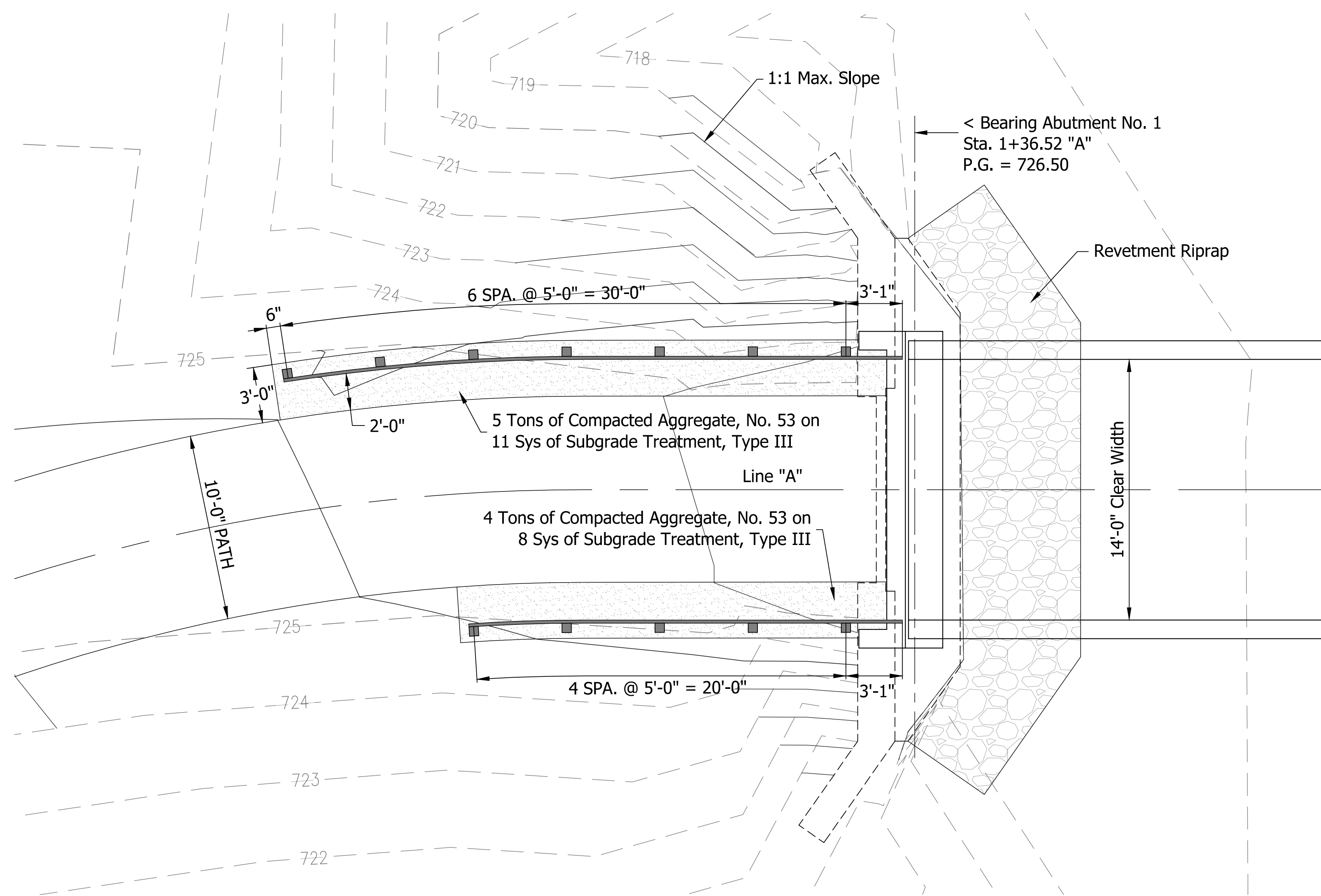
Respectfully,

A handwritten signature in blue ink that reads 'Charles R. Stewart'.

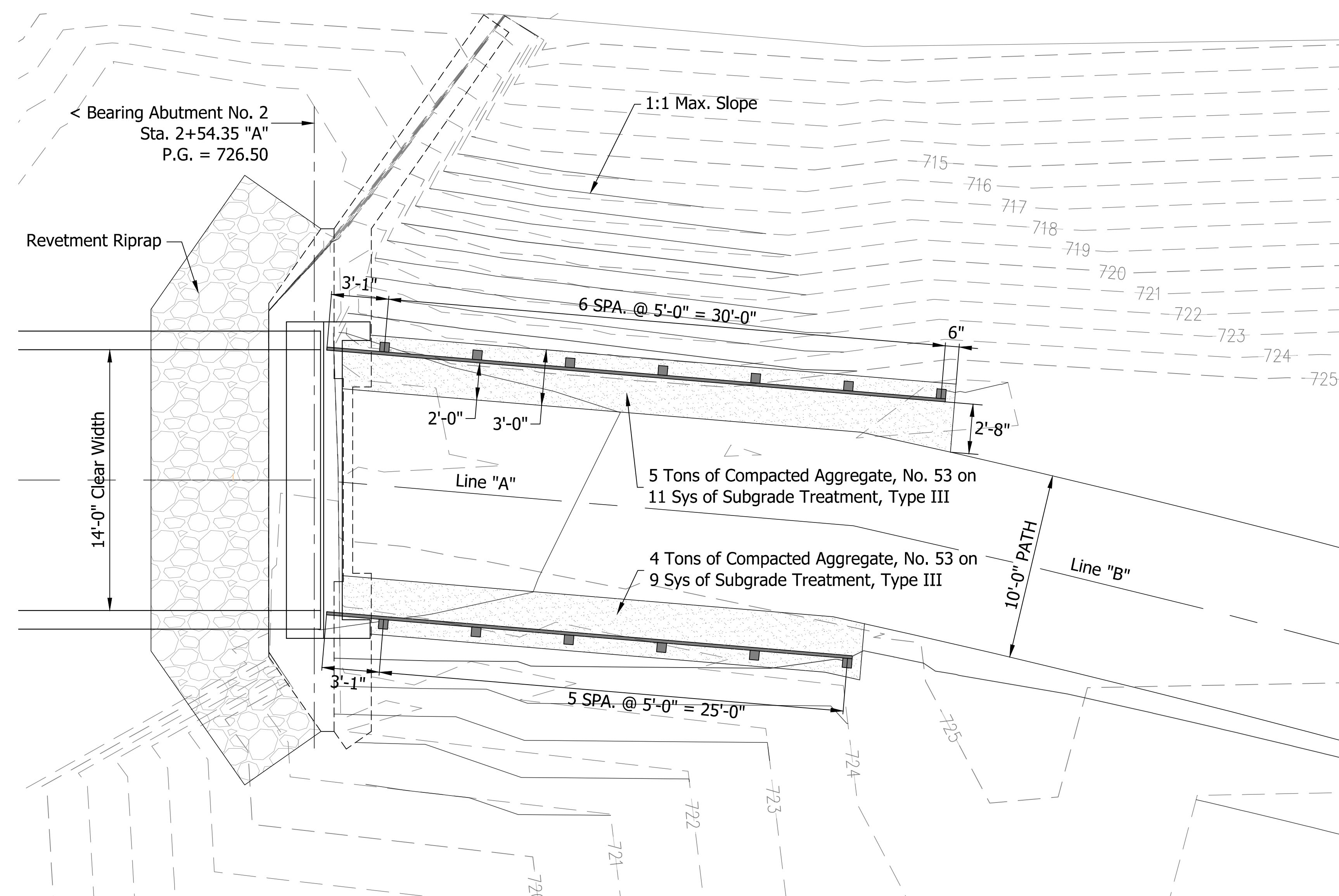
Charles Stewart  
CrossRoad Engineers P.C.

cc: Mark Richards, City of Franklin Engineer  
Chad Arnold, Myers Construction  
Brad Stahley, Crossroad Engineers P.C.

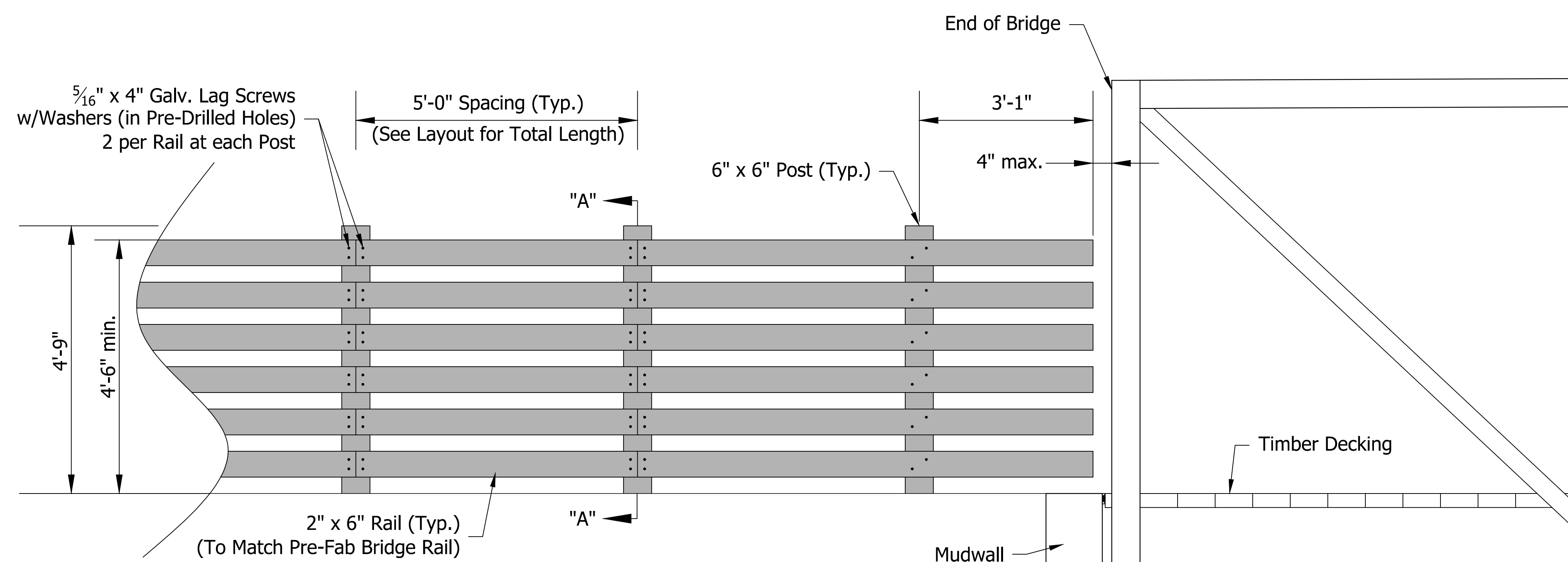




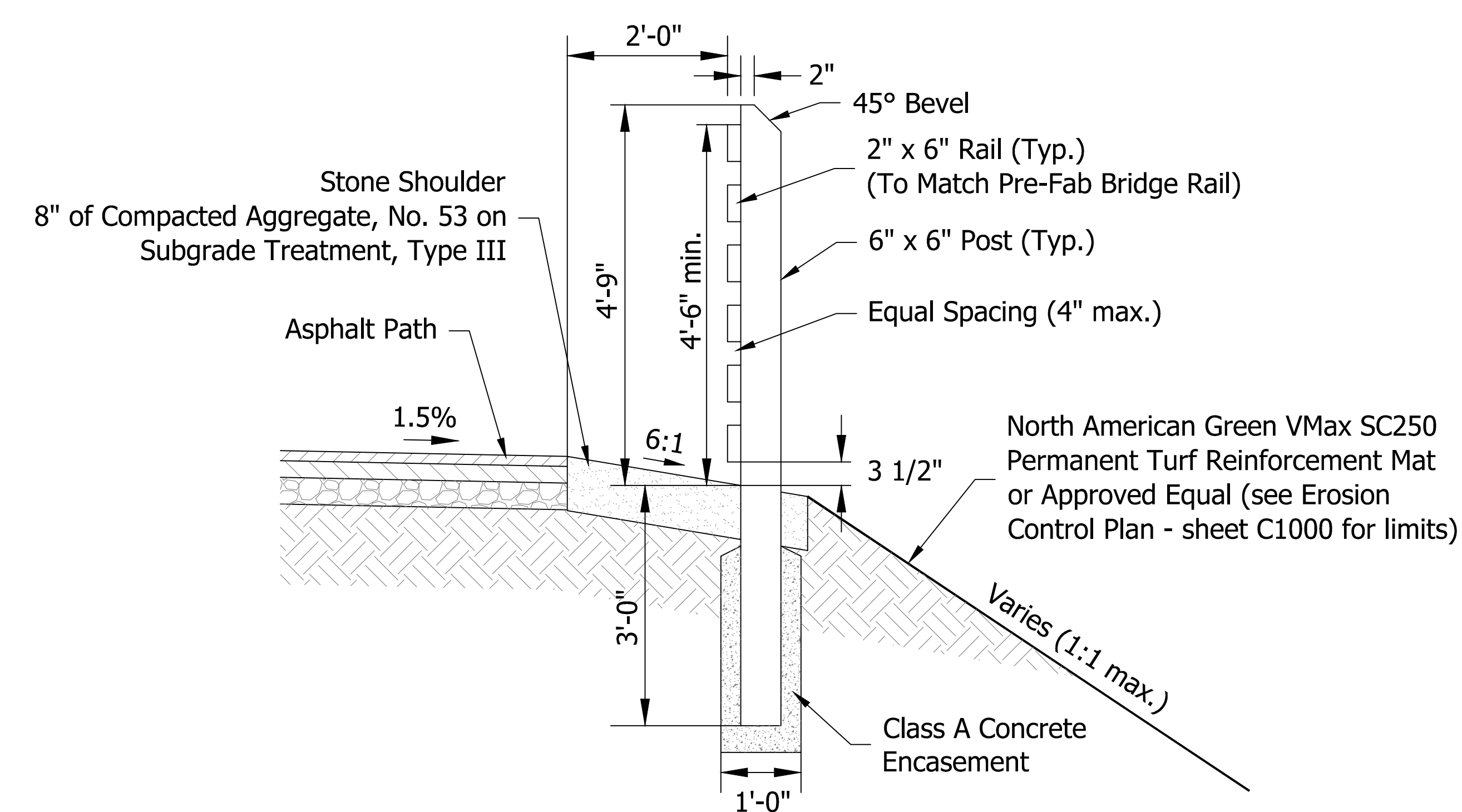
TIMBER RAILING DETAIL - ABUTMENT NO. 1 LAYOUT

 $1/4" = 1'-0"$ 

TIMBER RAILING DETAIL - ABUTMENT NO. 2 LAYOUT

 $1/4" = 1'-0"$ 

TIMBER RAILING LENGTH DETAIL - ELEVATION VIEW

 $3/4" = 1'-0"$ 

SECTION A-A

 $3/4" = 1'-0"$ 

NO.	DATE	DESCRIPTION
1	11/02/20	ADDED PICKLE BALL COURTS & INAWC SITE IMPROVEMENTS
2	11/16/20	ADDED RIPRAP & TIMBER RAIL AT PATH APPROACH TO BRIDGE

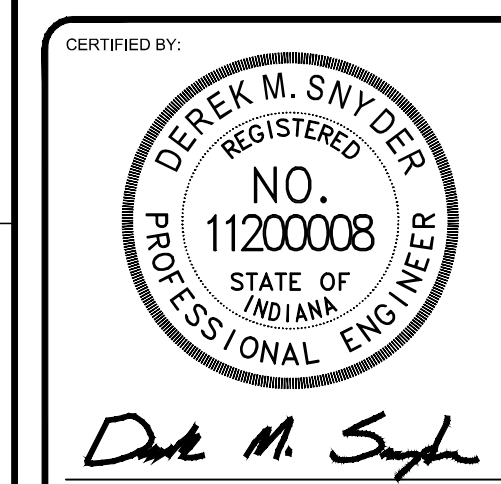


DESIGN TEAM

shrewsberry

STUDIO M  
ARCHITECTURE & PLANNING

kbso  
CONSULTING



Derek M. Snyder

CITY OF FRANKLIN  
FRANKLIN GREENWAYS  
TRAIL AMPHITHEATER  
237 W. MONROE STREET  
FRANKLIN, INDIANA 46131

DATE	2020.05.08	PROJECT NO.	19-0107
DRAWN BY	DMS	CHECKED BY	TEN
SHEET TITLE	FINAL CONSTRUCTION DRAWINGS		
SHEET NO.	TIMBER RAILING DETAILS		

C1200



## Franklin Greenways Trail Amphitheater



### **RAILING, WOOD, END TREATMENT**

#### **Description**

This work shall consist of providing the timber railing end treatments at each corner of the bridge as well as constructing the three-foot-wide compacted aggregate shoulders with No. 53 stone.

#### **Materials**

The materials for timber posts and railing shall be in accordance with INDOT spec 712.02. The materials for the concrete encasement shall be in accordance with INDOT spec 702.03. The materials for the compacted aggregate shoulder shall be in accordance with INDOT spec 303.02.

#### **Construction Requirements**

The timber railing end treatments shall be located at all corners of the bridge. The top rail of the end treatment shall have a top rail height that matches the top of the second rail on the bridge railing, between 42 and 45 in. The spacing of the remaining rails shall match the spacing used on the timber bridge railing. A 4 in. gap shall be provided between the end of the truss railing and the beginning of the end treatment.

Timber posts shall be 6 in. by 6 in. dimension lumber. The grade and pressure treatment of the posts shall be in accordance with 911.02.

Timber posts shall be spaced as shown in the contract plan sheet (C1200). The posts shall be placed in holes measuring 12 in. in diameter and 42 in. deep. The bottom of the post shall be located 36 inches below the finished ground elevation. Posts shall be aligned parallel to the path and braced in a vertical position. Concrete shall be placed around the post to within 6 in. of the finished ground elevation.

The rails shall be attached to the post using two 5/16 in. by 4 in. galvanized lag screws with galvanized washers per rail per post. Holes shall be pre-drilled and countersunk the total depth of the lag screw head and washer, providing a flush finished surface with no protrusions. 3' wide compacted aggregate shoulders shall be constructed as shown in the plans.

#### **Method of Measurement**

Timber end treatments will be measured by the lineal foot as shown on the plans. Compacted aggregate will be measured in accordance with 303.09.



**Basis of Payment**

Timber end treatments will be paid for at the contract unit price per LFT.  
Compacted aggregate will be paid for at the contract unit price per TON.

Payment will be made under:

**Pay item**

**Pay Unit Symbol**

Railing, Wood, End Treatment..... LFT

Compacted Aggregate Shoulder, No. 53.....TON

The cost of all labor, materials, and equipment required to install the timber end treatments including timber railing, timber posts, lag screws, washers, pre-drilled holes, countersunk holes, concrete for encasement, and all other incidentals shall be included in the cost of the railing, wood, end treatment.

The cost of all labor, materials, and equipment required to install the 3-foot-wide compacted aggregate shoulders, and all other incidentals shall be included in the cost of the compacted aggregate shoulder, No. 53.



March 9, 2021

Mr. Mark Richards  
70 E. Monroe Street  
Franklin, In 46131

RE: Franklin Greenways Trail Amphitheater  
Change Order #3

Mr. Richards,

Please find below a brief description of Change Order #3 for the above-mentioned contract along with a summary of the financial impacts this Change Order will have on the contract.

Change Order #3, Structural concrete patching of bridge abutments. The existing bridge abutments that are to be used for the pedestrian bridge over Young's Creek will require concrete patching after an evaluation by CrossRoad Engineers. This evaluation took place once clearing had been performed and we were able to get to the abutments. This patching will help with the longevity of the abutments and there are no concerns structurally with the existing abutments. **The total amount for Change Order #3 is \$59,757.00.** This unit price has been reviewed and falls within a reasonable range based on other unit prices for similar types of work. A contract time adjustment is not required for this change. Board of Works approval is necessary because this work is being completed within the City's Contract.

Let me know if you have any questions or need further explanation of this Change Order prior to Board approval.

Respectfully,

A handwritten signature in blue ink that reads "Charles R. Stewart". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Charles R. Stewart  
CrossRoad Engineers P.C.

cc: Trent Newport, President CrossRoad Engineers PC  
File, Franklin Greenways Trail Amphitheater

## CITY OF FRANKLIN

TO: Myers Construction Management, Inc  
13518 Myrtle Lane  
Fishers, IN 46038

CHANGE ORDER NO.: 3  
DATE: 3/9/2021  
PROJECT NAME: Franklin Greenway Trail Amphitheater  
CITY REQ. NO.:  
CITY PO NO.:  
CITY PO DATE:

## I. You are directed to make the following changes in this Contract:

The existing bridge abutments that the pedestrian bridge will be set on will require some concrete patching. There will be removal of unsound concrete on the face of both the north and south abutments and an 8" concrete façade will be poured and tied into the existing abutments with doweled steel.

<u>ITEM</u>	<u>AMOUNT</u>	<u>SCHEDULED ADJUSTMENT</u> <u>(+) OR (-) DAYS</u>
See Change Order Table #3 (attached)	\$59,757.00	0

II. The following referenced Documents further describe the changes outlined in Paragraph I, and are to be considered a part of this Change Order:

## Quantity Breakdown of Items

The changes result in the following adjustment of Contract Price and Contract Time:

Contract Price prior to this Change Order	<u>\$5,715,798.52</u>
Contract Price will be <b>increased</b> by this Change Order	<u>\$59,757.00</u>
New Contract Price including this Change Order	<u>\$5,775,555.52</u>
Contract Time prior to this Change Order      N/A      Days	See Project Manual Completion Date
Net increased/decreased resulting from this Change Order	0      Days
Current Contract Time including this Change Order <u>N/A</u> Days	See Project Manual Completion Date

This Change Order is for full and final settlement of all direct, indirect, impact costs and time extensions incurred at any time resulting from the performance of the changed work.

The Above Changes Are Recommended	The Above Changes Are Accepted	Approved
<u>CrossRoad Engineers, P.C.</u>	<u>Myers Construction Management, Inc</u>	_____
ENGINEER	CONTRACTOR	Steve Barnett, Mayor
<u>3417 Sherman Drive</u>	<u>13518 Myrtle Lane</u>	_____
Address	Address	
<u>Beech Grove, IN 46107</u>	<u>Fishers, IN 46038</u>	_____
City/State/Zip	City/State/Zip	
By: <u>Charles R. Stewart</u>	By: <u>(317) 773-3590</u>	ATTEST: _____
Phone: <u>(317) 780-1555</u>	Phone: _____	

Date: 3/9/2021

Date: 3/10/2021

Date: \_\_\_\_\_

## CITY OF FRANKLIN

### Franklin Greenway Trail Amphitheater

#### CHANGE ORDER TABLE

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL QUANTITY	ORIGINAL AMOUNT	FINAL QUANTITY	FINAL AMOUNT	OVER/UNDER
*122	Bridge Abutment Concrete Patching	LS	\$59,757.00	0	\$0.00	1	\$59,757.00	\$59,757.00
TOTAL OF CHANGE ORDER ITEMS					\$0.00		\$59,757.00	\$59,757.00

TOTAL ORIGINAL CONTRACT PLUS CHANGE ORDER ITEMS

ORIGINAL CONTRACT PRICE	\$5,672,672.70
CHANGE ORDER #1	\$31,560.00
CHANGE ORDER #2	\$11,565.82
CHANGE ORDER #3	\$59,757.00
NEW CONTRACT AMOUNT INCLUDING APPROVED CHANGE ORDERS	\$5,775,555.52

\* Indicates additional item added to the contract.





February 4, 2021

Mr. Brad Stahley  
Crossroad Engineers, PC

RE: Franklin Greenways Trail Amphitheater: COR #3 revised

Dear Mr. Stahley,

This correspondence is to present pricing for COR #3, which includes the unit price to complete the structural patching on the abutments. Both the North and the South abutments will require concrete patching. This option is a recommended option by Duncan Robertson. See attached for more information. Morphe Construction is unable perform the work per scope and schedule.

**COR #3:**

**Scope-Of-Work**

1) Duncan Robertson	
Mobilization.....	\$ 5,000.00
Patching concrete structures 380 SF x \$126.31/SF.....	\$ 48,000.00
<b>SUBTOTAL OF SUBCONTRACTED WORK.....</b>	<b>\$ 53,000.00</b>
<b>MCMC 10% MARK-UP ON SUBCONTRACTED WORK...</b>	<b>\$ 5,300.00</b>
<b>PERFORMANCE &amp; PAYMENT BOND.....</b>	<b>\$ 1,457.00</b>
<b>TOTAL ADD FOR COR #3.....</b>	<b>\$ 59,757.00</b>
	<b>or \$157.26/SF</b>

If you have any questions or need any additional information, please feel free to give me a call.

Sincerely,

A handwritten signature in black ink, appearing to read "CD Arnold", is written over a light blue horizontal line.

Chad D Arnold  
Project Coordinator

Column1	UNIT	QUANTITY	DESCRIPTION	UNIT BID	TOTAL BID
1 L/S		1	MOB / DEMOB	\$5,000.00	\$5,000.00
10 L/S		1	CONCRETE FACING OF ABUTMENTS	\$48,000.00	\$48,000.00
			TOTAL BID		\$53,000.00



November 6, 2020

Mr. Steve Ferguson  
Myers Construction Management Inc.  
13518 Myrtle Ln  
Fishers, IN 46038

RE: Franklin Greenway Trail Amphitheater Price Request

Mr. Ferguson,

After checking the existing bridge abutments that the pedestrian bridge is to be set on, Crossroad Engineers have determined that there needs to be some structural concrete patching completed. Both the north and south abutments will require concrete patching.

Please provide a unit price to complete the structural patching on the abutments for the quantity below. Pricing shall be provided on a square foot basis. Pricing shall be provided in accordance with INDOT standard specification 109.05(a) and the work shall be completed in accordance with INDOT standard spec section 710.

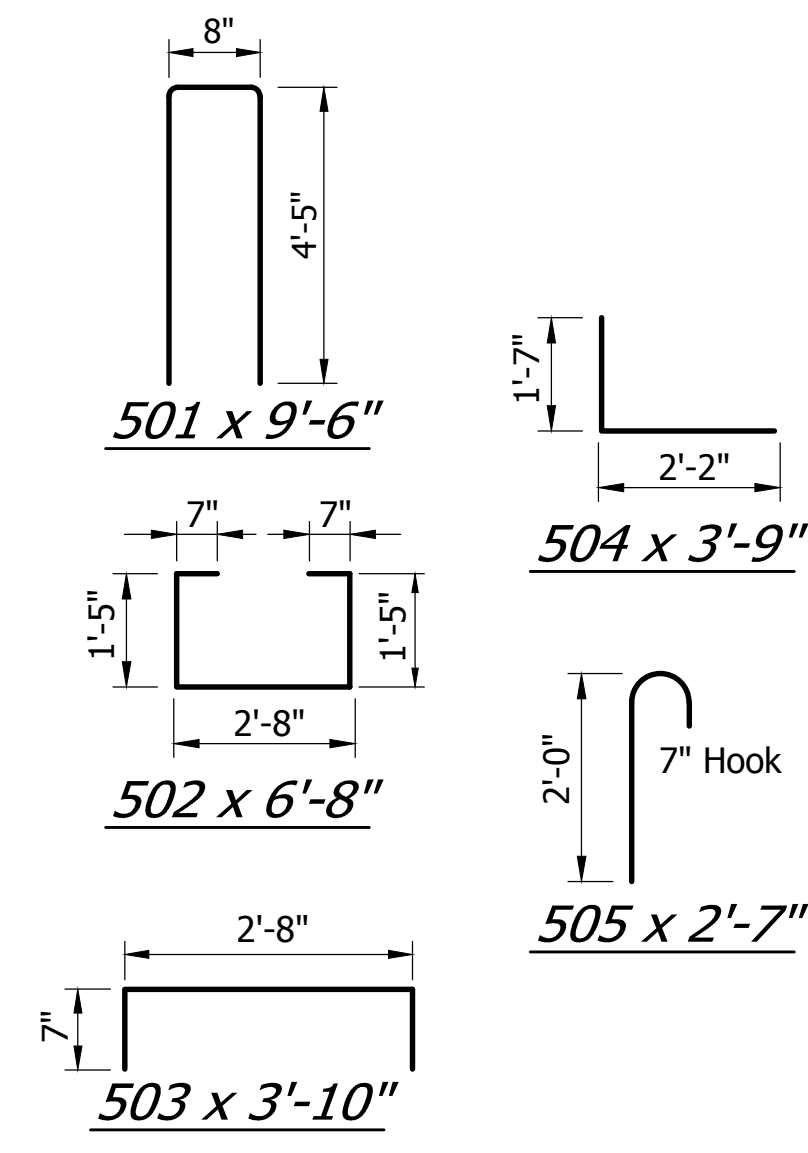
ITEM CODE	DESCRIPTION	QTY	UNIT
710-09158	Patching Concrete Structures	380	SFT

Respectfully,

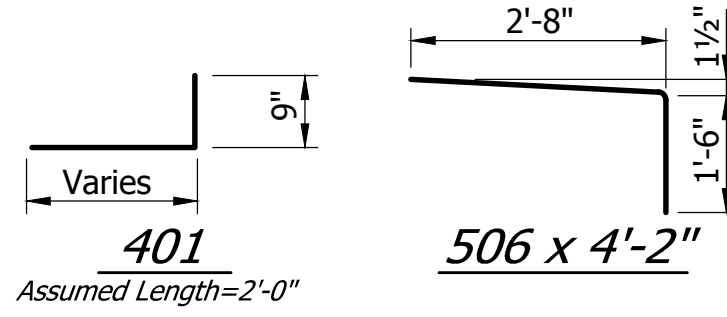
A handwritten signature in blue ink that reads 'Charles R. Stewart'.

Charles Stewart  
CrossRoad Engineers P.C.

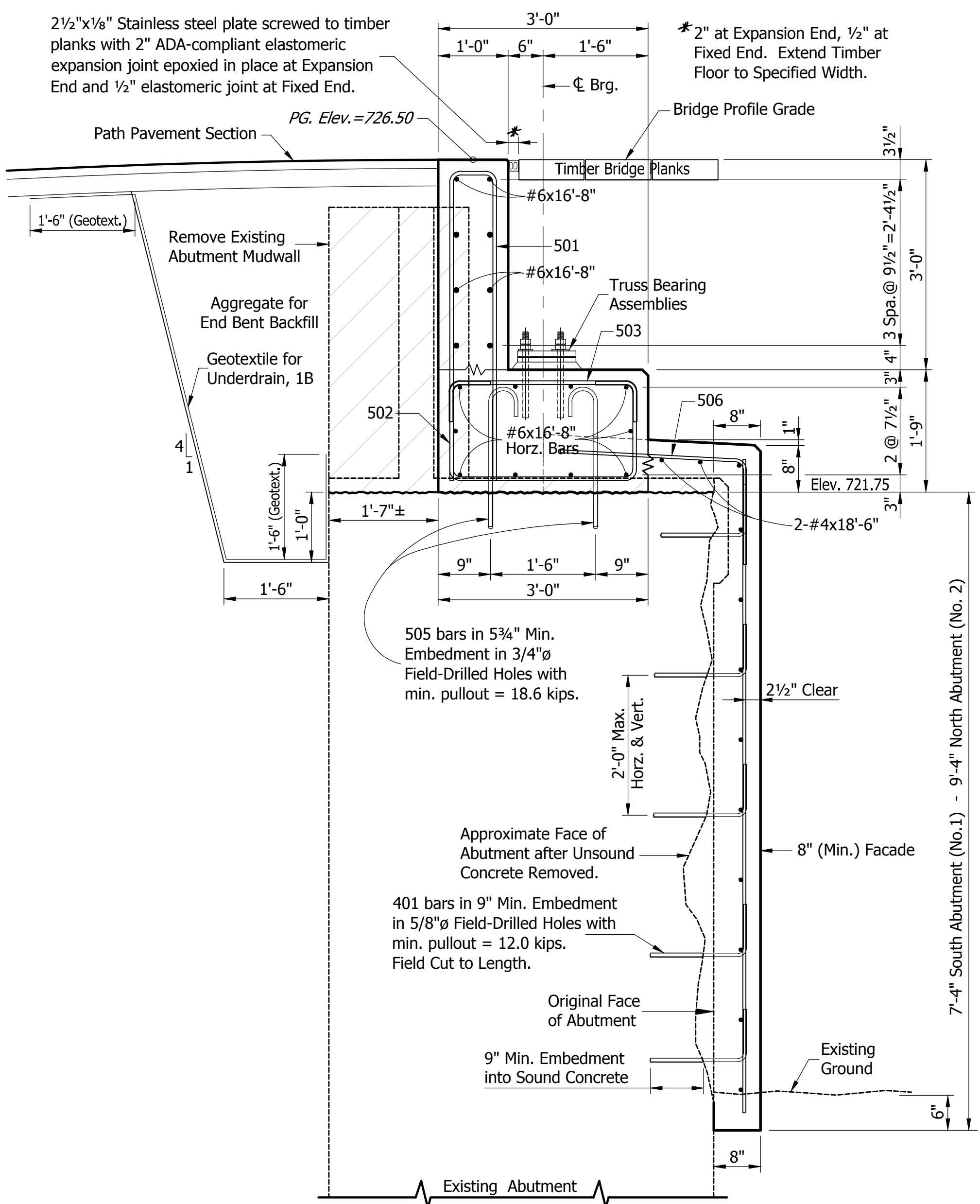
cc: Mark Richards, City of Franklin Engineer  
Brad Stahley, Crossroad Engineers P.C.  
Trent Newport P.E., L.S., Crossroad Engineers P.C.  
File, Franklin Amphitheater



Scale:  $1/2"=1'-0"$



Scale:  $1/2"=1'-0"$



Scale:  $3/4"=1'-0"$

Scale:  $\frac{3}{4}'' = 1'-0''$

BILL OF MATERIALS ABUTMENT NO. 1 (ABUTMENT NO. 2 SAME)			
EPOXY REINFORCING STEEL			
Mark or Size	Quan. Req'd	Length (feet)	Weight (lbs.)
#6	18	16'-8"	
Total #6 Epoxy Reinforcing			451
501	21	9'-6"	
502	17	6'-8"	
503	17	3'-10"	
504	28	3'-9"	
505	32	2'-7"	
Total #5 Epoxy Reinforcing			590
Total Epoxy Reinforcing Bars			1041 lbs.
CONCRETE			
Class "C" Concrete in Substructure			5.8 Cys.
MISCELLANEOUS			
Aggregate for End Bent Backfill			12 Cys.
Geotextile for Underdrain, 1B			19 Sys.
Foundation Excavation			8 Cys.
Field-Drilled Holes in Concrete			32 Ea.
Surface Seal			170* Sft.
* Estimated Quantity			


ABUTMENT NO. 1			
EPOXY REINFORCING STEEL			
Mark or Size	Quan. Req'd	Length (feet)	Weight (lbs.)
506	19	4'-2"	
401	40	2'-0"	
#4	10	18'-6"	
#4	19	7'-3"	
Total Epoxy Reinforcing			353
CONCRETE			
Class "C" Concrete in Substructure			4.8 Cys.

ABUTMENT NO. 2			
EPOXY REINFORCING STEEL			
Mark or Size	Quan. Req'd	Length (feet)	Weight (lbs.)
506	19	4'-2"	
401	50	2'-0"	
#4	12	18'-6"	
#4	19	9'-6"	
Total Epoxy Reinforcing			419
CONCRETE			
Class "C" Concrete in Substructure			5.8 Cys.

[illegible]

The image displays three logos stacked vertically. The top logo is for 'shrewsberry' in a stylized font with a red and grey square icon to the left. Below it is 'STUDIO M ARCHITECTURE & PLANNING' in a clean, sans-serif font. The third logo is for 'KBSD CONSULTING' with 'KBSD' in large, bold letters and 'CONSULTING' in smaller letters below. The bottom logo is for 'CROSSROAD ENGINEERS, PC' featuring a stylized graphic of a road intersection and a city skyline above the text.

CERTIFIED BY:



*05/08/2020*

*Richard D. Garkner*

CITY OF FRANKLIN  
FRANKLIN GREENWAYS  
TRAIL AMPHITHEATER

---

237 W. MONROE STREET  
FRANKLIN, INDIANA 46131

DATE: <b>2020.05.08</b>	PROJECT NO.: <b>19-0107</b>
DRAWN BY: <b>RDG</b>	CHECKED BY: <b>MAM</b>
DRAWING STATUS:	
<b>FINAL CONSTRUCTION DRAWINGS</b>	
SHEET TITLE:	
<b>PEDESTRIAN BRIDGE ABUTMENT DETAILS</b>	
SHEET NO.:	
<b>C901</b>	