



## MEMORANDUM

To: Mayor Bowlin and City Council Members  
From: Rick C. Brown, Director of Public Works / City Engineer  
Date: January 6, 2023  
Re: Recommended Projects for February Federal Funding Application

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### **Federal Funding Background**

East-West Gateway is currently accepting applications for projects to be considered for federal funding with an application deadline of February 9th, 2023. EWG has two available funding programs: The Surface Transportation Block Grant Program – Suballocated (STP-S) and the Congestion Mitigation and Air Quality Improvement Program (CMAQ). Under the STP-S program, only collectors and arterial roadways are eligible for funding, limiting the roads we can improve through the program. Under the CMAQ program, projects must contribute to emissions reductions, by reducing congestion. At least a 20% local match is required under both programs, however, a higher local match generally results in more favorable scoring.

### **Projects for Consideration:**

#### **1. Bridge #386 on Wild Horse Creek Rd**

**Project Description:** Bridge # 386 is a one-lane bridge on Wild Horse Creek Road over Wildhorse Creek, located approx. 100 feet north of Ossenfort Road. The bridge has a load restriction in place and is in poor condition. Link to project location: <https://tinyurl.com/Bridge-386>. See also **Exhibit A** for the bridge location. See Attached **Exhibit A2** for the preliminary bridge design/layout.

**Project History:** The engineering design portion of the project has been approved for design utilizing City of Wildwood funds. The following is the current project progress:

- 1/11/21 – Ordinance 2586 was approved for final design of Bridge 386
- 5/13/19 – Ordinance 2468 approved for preliminary design of Bridge 386

**Project Recommendation:** As would be approved by the passage of Resolution 2023-02, the Department is recommending application to the STP-S program for funding of the right of way and construction portion of the project utilizing the 80% federal/20% local match formula. The project construction cost is estimated at \$1,050,000. The Department is requesting approval of the following funding:

Total Project Cost =	\$1,050,000.00
Federal Funds (80%) =	\$840,000.00
Local Funds (20%) =	\$210,000.00
Application Fee (1/2%) =	\$4,200.00

#### **2. Bridge #387 on Wild Horse Creek Rd**

**Project Description:** Bridge #387 over Wild Horse Creek is located on Wild Horse Creek Road about 1,400 feet north of Ossenfort Road. The existing bridge, which is considered structurally deficient, is 66 feet in length with a deck width of 20 feet. The bridge was constructed in 1962. See **Exhibit A** for the bridge location. See attached **Exhibit A3** for the preliminary bridge design/layout. Link to project location: Location: <https://tinyurl.com/Bridge-387>

**Project History:** The engineering design portion of the project has been approved for design utilizing City of Wildwood funds. This project was also approved previously for federal funding. The following is the current project progress:

- 1/11/21 – Ordinance 2586 was approved for final design of Bridge 387
- 2/24/20 – Ordinance 2545 approved an STP Funding Agreement for Bridge 387
- 5/13/19 – Ordinance 2468 approved for preliminary design of Bridge 387
- 1/18/19 – Resolution 2019-08 approved the application for federal funding

As has been discussed with the Administration and Public Works Committee, the Department is also recommending rescinding the current federal funding for this project due to anticipated delays from easement acquisition with Babler State Park. By reapplying, we can extend the project schedule to provide additional time to allow the easement acquisition to occur. This approach has been discussed and recommended by staff with the East-West Gateway Council of Governments.

**Project Recommendation:** As would be approved by the passage of Resolution 2023-01, the Department is recommending application to the STP-S program for funding of the right of way and construction portion of the project utilizing the 80% federal/20% local match formula. The project construction cost is estimated at \$2,645,000. The Department is requesting approval of the following funding:

Total Project Cost =	\$2,645,000.00
Federal Funds (80%) =	\$2,116,000.00
Local Funds (20%) =	\$529,000.00
Application Fee (1/2%) =	\$10,580.00

The above project recommendations were reviewed and approved by the Administration and Public Works Committee at their January 3<sup>rd</sup> meeting; however, the Department is not recommending the submittal of an application for the Old State Road at Ridge Road Roundabout project. St. Louis County staff stated at a meeting held on Thursday January 5<sup>th</sup>, that they are not willing to participate in an application this year but suggested that next year may be feasible.

Steve Cross and I will be available for any questions or comments at the January 9, 2023, City Council meeting.

RCB

**Exhibit A – Bridge #386 and #387 Locations**





# EXHIBIT A2 - BRIDGE 386

CURVE TABLE

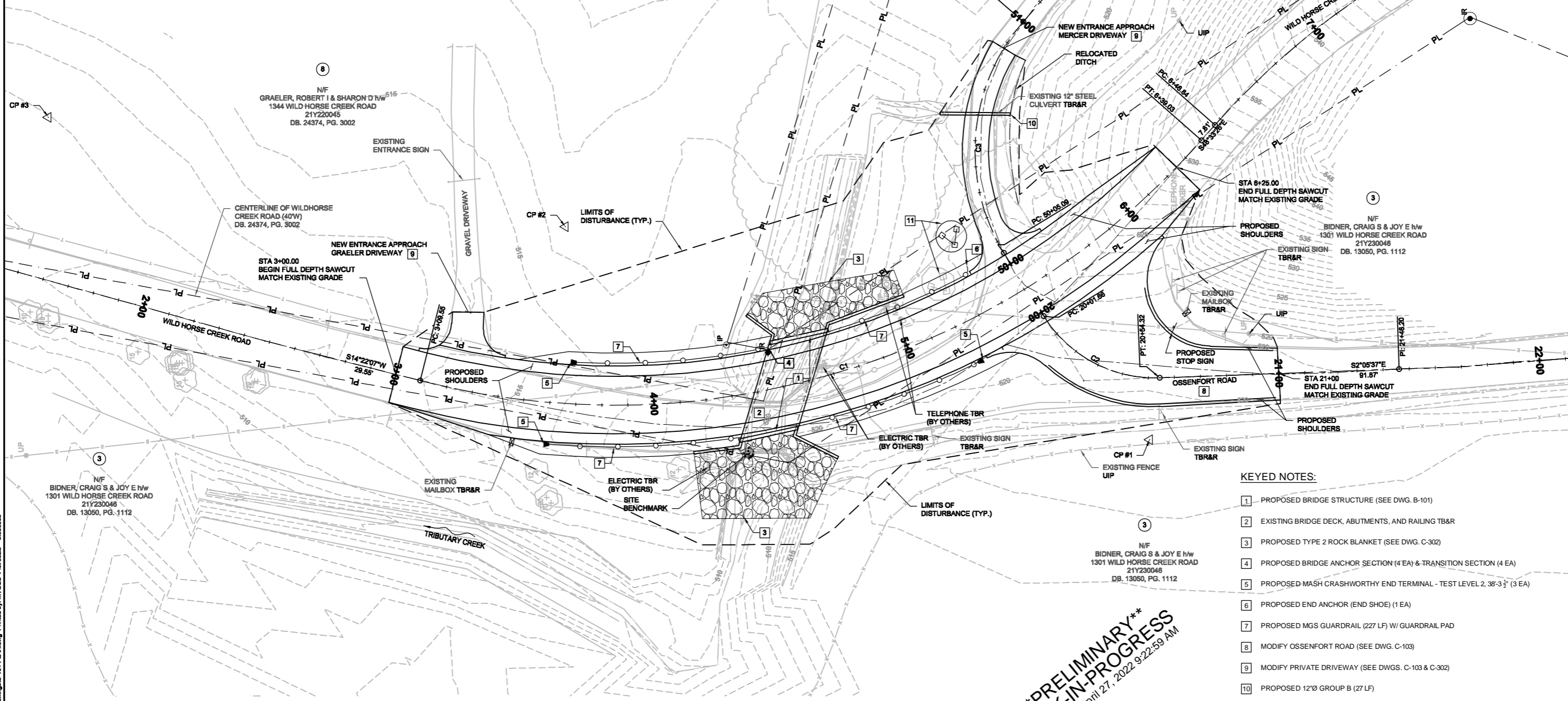
CURVE #	DEFLECTION ANGLE (IC)	DEGREE OF CURVE - ARC (DA)	CHORD DIRECTION (CH)	TANGENT (T) (FT)	RADIUS (R) (FT)	ARC LENGTH (L) (FT)	CHORD LENGTH (C) (FT)	EXTERNAL (E) (FT)	MID-ORDINATE (M) (FT)	PI STATION	PI NORTHING	PI EASTING
C1	62° 55' 33"	19° 05' 54"	S17° 05' 39"E	183.57	300.00	329.48	313.16	51.70	44.10	4+93.12	1510607.00	1259038.39
C2	60° 20' 53"	114° 35' 29"	S28° 04' 49"W	29.07	50.00	52.66	50.26	7.83	6.77	20+30.72	1510530.58	1259083.95
C3	72° 35' 06"	76° 23' 39"	S85° 09' 35"E	55.07	75.00	95.01	88.78	18.05	14.54	50+80.16	1510589.98	1259179.96

ENTRANCE LOCATION CHART

STATION	ENTRANCE TYPE	SURFACE TYPE	WIDTH	LENGTH
3+25 LT	PRIVATE	GRAVEL	10'-0"	15'-0"
5+50 LT	PRIVATE	ASPHALT	10'-0"	86'-6"

GENERAL NOTES:

- REMOVED ALL EXISTING ROADBED WITHIN LIMITS OF WORK.
- CLEARING & GRUBBING / SEEDING & MULCHING SHALL OCCUR AND BE MINIMIZED WITHIN THE CONSTRUCTION EASEMENTS AND PROPOSED RIGHT-OF-WAY AREAS.
- CONTRACTOR TO TAKE CAREFUL MEASURES THAT TREES IDENTIFIED AS "TO BE PROTECTED" ARE NOT TO BE DAMAGED DURING CONSTRUCTION ACTIVITIES. PROTECTED TREES ARE SUITABLE HABITATS AND/OR PROTECT AGAINST BANK SCOURING.

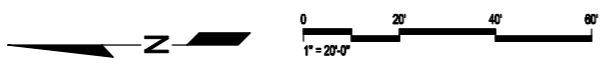


KEYED NOTES:

- PROPOSED BRIDGE STRUCTURE (SEE DWG. B-101)
- EXISTING BRIDGE DECK, ABUTMENTS, AND RAILING T&R
- PROPOSED TYPE 2 ROCK BLANKET (SEE DWG. C-302)
- PROPOSED BRIDGE ANCHOR SECTION (4 EA) & TRANSITION SECTION (4 EA)
- PROPOSED MASH CRASHWORTHY END TERMINAL - TEST LEVEL 2, 38'-3 1/2" (3 EA)
- PROPOSED END ANCHOR (END SHOE) (1 EA)
- PROPOSED MGS GUARDRAIL (227 LF) W/ GUARDRAIL PAD
- MODIFY OSSENFORT ROAD (SEE DWG. C-103)
- MODIFY PRIVATE DRIVEWAY (SEE DWGS. C-103 & C-302)
- PROPOSED 12" GROUP B (27 LF)
- RELOCATE EXISTING PRIVATE ENTRANCE SIGN & LANDSCAPING

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
 Wednesday, April 27, 2022 9:22:59 AM

PLAN - WILD HORSE CREEK ROAD  
 SCALE: 1" = 20'



PLOT SCALE FACTOR 0.5

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
C	XX/XX/22	REVISED PLANS	TRN
B	01/07/22	REVISED PROJECT LAYOUT	TRN
A	10/30/19	PRELIMINARY PLANS	TRN

T:\Working\19050.02 - Wildwood - Bridge 386\Drawings\C-101 PLAN.dwg Printed by: MVOSS Plot scale = 0.388883



ENGSEAL  
 ENGSEALNUM

Mvoss  
 April 27, 2022

PLAN  
 LOCAL BRIDGE #386  
 WILD HORSE CREEK ROAD BRIDGE REPLACEMENT  
 CITY OF WILDWOOD, MISSOURI

CDG PROJECT NO.  
 19050.06  
 DRAWING NO.  
 C-101

# EXHIBIT A3 - BRIDGE 387



One Campbell Plaza  
St. Louis, Missouri 63139  
T. 314.781.7770  
F. 314.781.9075  
Missouri State Certificate of Authority # 1271



ENGSEAL  
ENGSEALNUM

Mvoss  
October 7, 2022

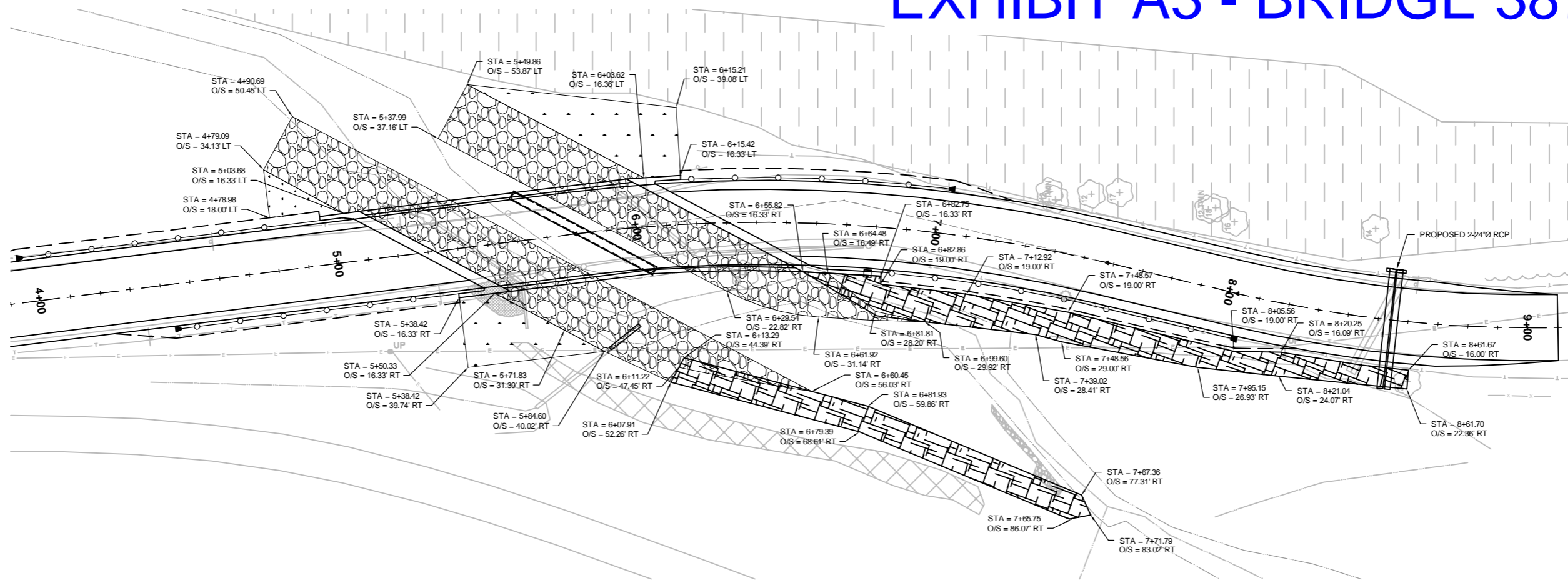
TYPICAL DETAILS  
FEDERAL PROJECT NO. STP-4920(602) - BRIDGE #387  
WILD HORSE CREEK ROAD BRIDGE REPLACEMENT  
CITY OF WILDWOOD, MISSOURI

CDG PROJECT NO.

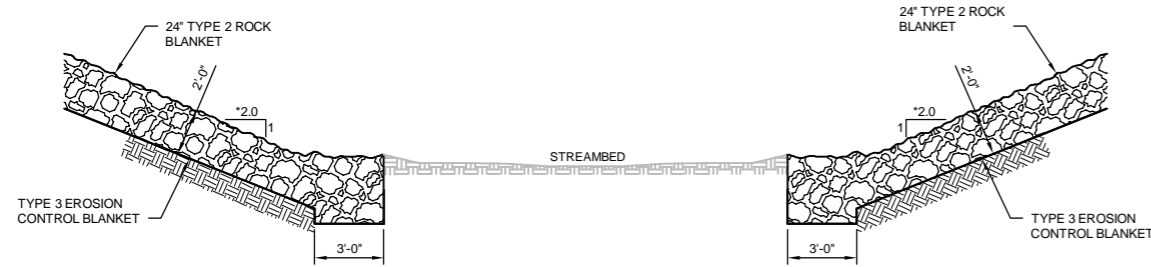
19050.05

DRAWING NO.

C-303



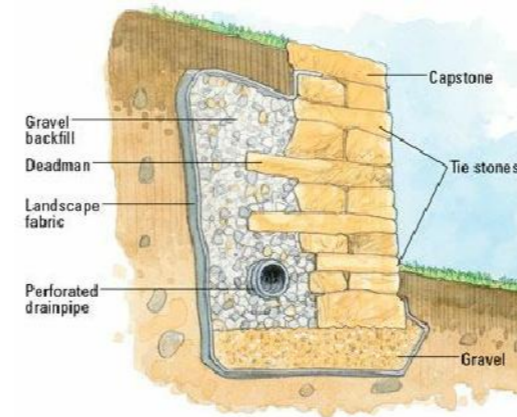
ROCK BLANKET & STACKED BOULDERS LAYOUT  
SCALE: 1" = 20'



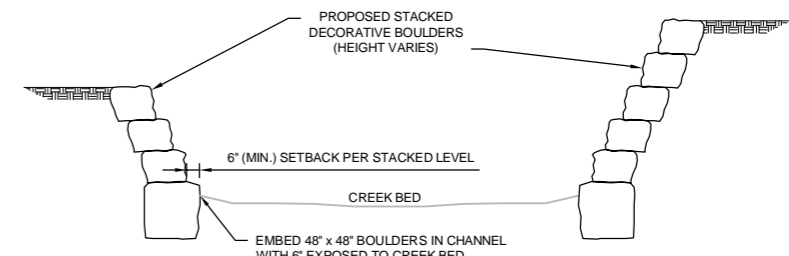
TYPICAL SECTION - TYPE 2 ROCK BLANKET - CREEK BANKS  
NOT TO SCALE

VIEWED LOOKING DOWNSTREAM

\* MINIMUM SIDESLOPES OF 1.5 HORIZONTAL TO 1 VERTICAL IN TRANSITION SLOPE LOCATIONS.



STACKED BOULDERS DETAIL  
SCALE: 1" = 20'



TYPICAL SECTION - STACKED BOULDERS - CREEK BANKS  
NOT TO SCALE

VIEWED LOOKING DOWNSTREAM

**\*\*PRELIMINARY\*\***  
**WORK-IN-PROGRESS**  
Friday, November 4, 2022 10:03:25 AM

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV.	DATE	DESCRIPTION	APPROVED
C	11/04/22	PLAN SUBMITTAL	TRN
B	02/15/22	PRELIMINARY PLANS	TRN
A	10/30/19	PRELIMINARY PLANS	TRN

PLOT SCALE FACTOR 0.5

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mvoss 10/07/22-09:07