

**REVISIONS**

No.	DESCRIPTION	DATE	BY
1	ISSUED FOR 90% REVIEW	04/17/2020	
2	ISSUED FOR 95% REVIEW	07/07/2020	
3	ISSUED FOR 100% REVIEW	07/31/2020	
4	ISSUED FOR PERMIT	09/10/2020	HRSE
5	ISSUED FOR ADDENDUM 1	01/26/2021	HRSE

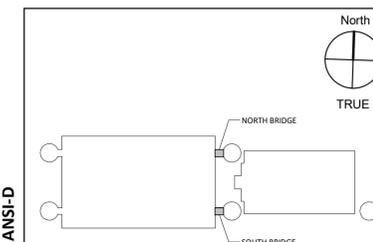
DESIGNER: ER  
DRAWN BY: HT  
CHECKED BY: ER  
ISSUE DATE: 09/10/2020  
APPROVED BY: ER  
APPROVAL DATE:

DIRECTOR  
of  
HOUSTON AIRPORT SYSTEM

Review/ Approval Category

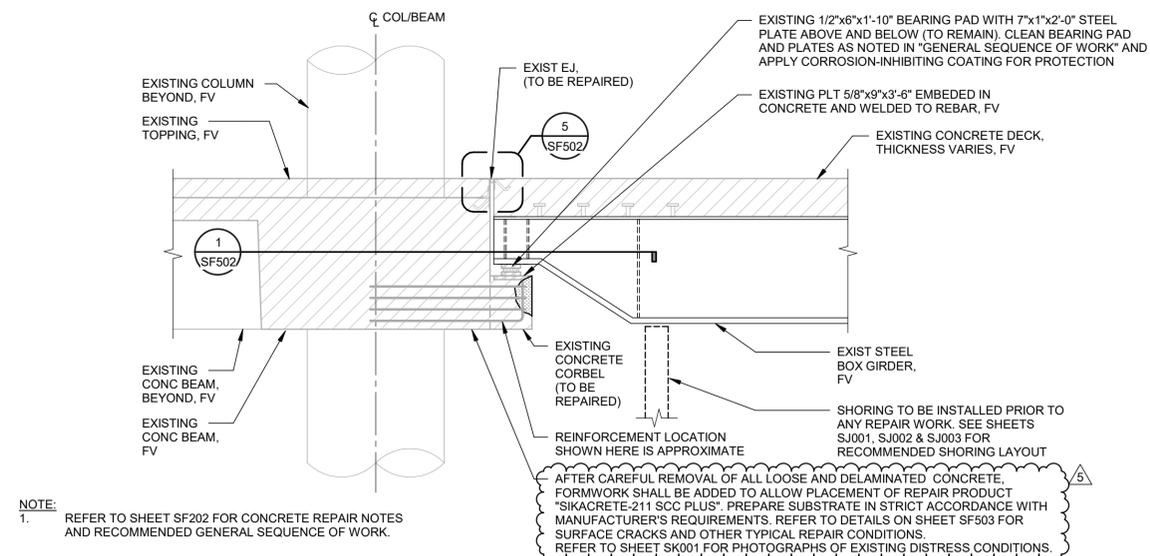
**IFP**  
Issued For Permit

Henderson Rogers  
Structural Engineers, LLC  
TBPE Firm Registration No. 8755



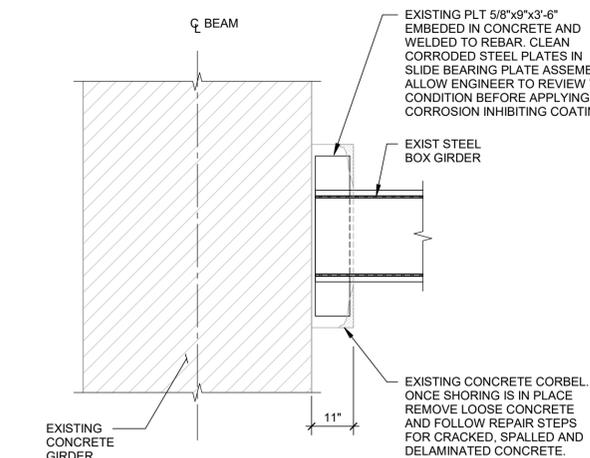
SHEET NAME: REPAIR DETAILS

SHEET No. SF502 SCALE: As indicated



NOTE:  
1. REFER TO SHEET SF202 FOR CONCRETE REPAIR NOTES AND RECOMMENDED GENERAL SEQUENCE OF WORK.

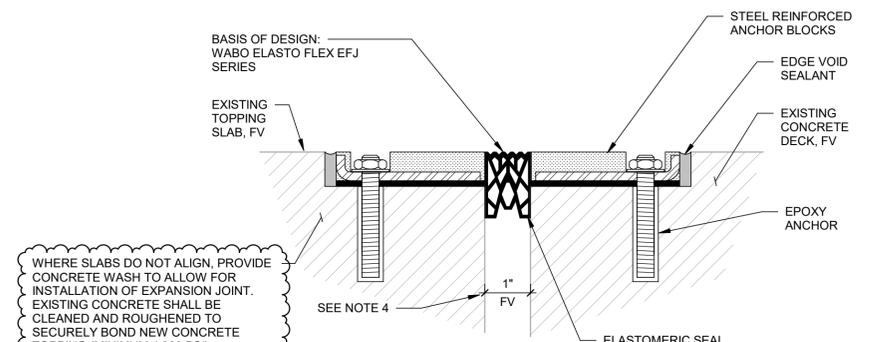
**3** SECTION - AT EXISTING BOX BEAM & CONCRETE CORBEL  
1/2" = 1'-0"



**1** EXISTING CONCRETE CORBEL PLAN DETAIL  
1/2" = 1'-0"



**7** EXISTING CORBEL - REBAR IDENTIFIED DURING GPR TESTING (Approximate Locations)  
NTS



- INSTALLATION NOTES:
1. REMOVE AND REPAIR ALL UNSOUND CONCRETE IN AND AROUND BLOCKOUT. ALL SPALLS MUST BE REPAIRED WITH COMPATIBLE PATCHING MATERIALS.
  2. PREPARE SUBSTRATE BY SAND BLASTING. BLOCKOUT MUST BE CLEAN AND DRY PRIOR TO INSTALLATION.
  3. INSTALL EXPANSION JOINT SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S DETAILED INSTALLATION GUIDE.
  4. CONTRACTOR AND MANUFACTURER'S REPRESENTATIVE SHALL JOINTLY FIELD VERIFY INSTALLATION WIDTH (BASED ON TEMPERATURE CONDITIONS) TO SELECT APPROPRIATE E.J. SIZE.

**5** EXPANSION JOINT DETAIL  
6" = 1'-0"



**11** EXISTING CORBEL - REBAR IDENTIFIED DURING GPR TESTING (Approximate Locations)  
NTS

PLOT DATE: DOA DWG FILE: OLD DOA No. :  
 HAS FILE:  
 FILE PATH: G:\Users\harry.torres\Documents\Revit Local 2019\1320001\_IAH C Garage Bridge Repair\_R19\_htorresB3C6Z.rvt