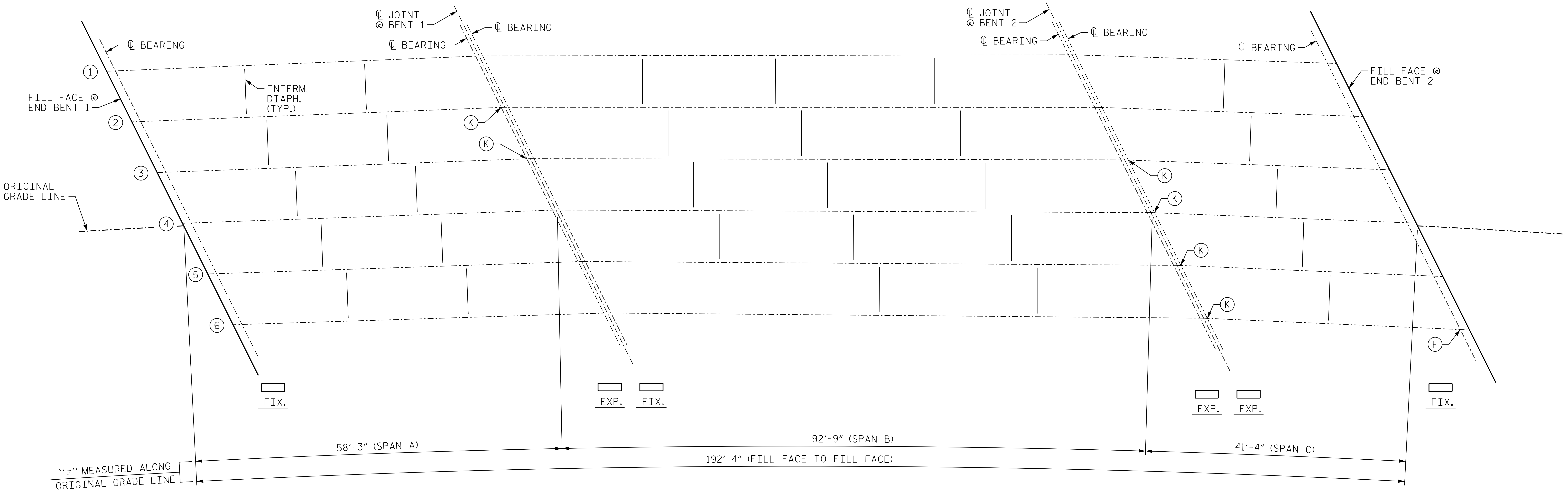

FRAMING PLAN

KEY	
(#)	BEAM NUMBER
Ⓦ	WEB PLATING REPAIR
Ⓢ	STIFFENER REPAIR
Ⓕ	BOTTOM FLANGE PLATING REPAIR
Ⓘ	INTERMEDIATE BEAM PLATING REPAIR
(BE)	BEAM END REPAIR
(BW)	BOLTED WEB PLATE REPAIR
Ⓚ	STEEL BEARING KEEPER ANGLE ASSEMBLY

ANTICIPATED BEAM REPAIR LOCATIONS

SPAN	BEAM	LOCATION	DETAIL TYPE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
C	6	END BENT 2	D	5¾″	12″	-	10″	-

BEAM REPAIR QUANTITY TABLE
SPANS A THRU C

STEEL PLATE		STIFFENER		STEEL BEARING KEEPER ANGLE ASSEMBLY	
LBS.		LBS.		EA.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
20		-		6	

BEAM REPAIR CUT-OUT		BOLTED BEAM REPAIR	
LBS.		LBS.	
ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
-		-	

NOTES:

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER AFTER THE STRUCTURAL STEEL HAS BEEN CLEANED, BLASTED, AND PRIMED, THE CONTRACTOR AND ENGINEER SHALL REVIEW THE STEEL TO VERIFY NOTED REPAIR LOCATIONS AND TO IDENTIFY ANY ADDITIONAL REPAIR LOCATIONS. THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

FOR REPAIR DETAILS, SEE "BEAM REPAIR DETAILS" AND "STEEL KEEPER ANGLE ASSEMBLY DETAILS" SHEETS.

THE LOCATIONS AND DIMENSIONS OF THE AREAS FOR STEEL BEAM REPAIR ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR, IN CONJUNCTION WITH THE ENGINEER, SHALL VERIFY THE LOCATION AND EXTENTS OF REPAIR AREAS PRIOR TO STEEL FABRICATION.

FOR CLEANING AND PAINTING EXISTING BEARINGS WITH HRCSA, SEE SPECIAL PROVISIONS.

STRUCTURAL STEEL REPAIRS SHALL BE COMPLETED BEFORE FINAL CLEANING AND PAINTING OF STRUCTURAL STEEL.

FOR BEAM REPAIR PLATING, SEE SPECIAL PROVISIONS.

FOR BEAM REPAIR CUT-OUT, SEE SPECIAL PROVISIONS.

FOR BOLTED BEAM REPAIR, SEE SPECIAL PROVISIONS.

PROJECT NO. I-6052
MECKLENBURG COUNTY
BRIDGE NO. 590337

DocuSigned by:
Byron E. Atkinson
241BD080836C417...
SEAL 24939
BYRON E. ATKINSON
1/12/2023

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
BEAM REPAIR
LOCATIONS

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S4-6
TOTAL SHEETS 108

DRAWN BY : B.E. LANNING DATE : 10/2022
CHECKED BY : B.E. ATKINSON DATE : 10/2022
DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 10/2022

1/12/2023
9:18:40 AM
User: blanning
Filename: N:\NC Bridges\M21001.39_I-6052_(10) Meck Co. Br. Preservation\Structures\404_011_I-6052_SMU_FP1_590337.dgn