Appendix A – Test Girder Drawings

Total prestress is based on 72.6% f's, f's = 270 ksi and As = 0.217 in^2

All prestressing strands shall conform to ASTM A416 Grade 270 Low Relaxation Strands

All beams are to be increased in length to compensate for elastic shortening, creep, and shrinkage

All concrete strengths shall not be greater than 1,000 psi greater than the specified concrete strength

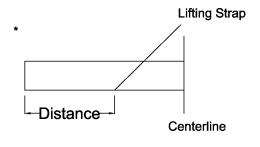
Rebar dimensions are taken from edge to edge, not centerline to centerline

Lifting points as measured from							
end of girder							
Girder	Distance* (ft)						
A34	13						
BTC 60	20						
BTE 70	25						

Cracking will be detrimental to the girders, therefore girders shall be lifted at the points described in the Lifting points as measured from end of girder table

12 modulus of rupture cylinders shall be cast per girder and cured with the girder

Precaster provides girders, girder reinforcement (including hooks), and test cylinders (deck and deck reinforcement are not to be provided by the precaster)



				BRIDGE NO.		05.05.0045							
NCHRP 12-94 Cover Page				-	05-05-2015								
			Dr. Sri Sritharan	POST MILES		т.	T411-4-					_	
			Principal Investigator	-	Test Units								
·			DISREGARD PRINTS E		INTO READING REMISION DATES (PRELIMINARY STAGE ON		ONLY)		SHEET	OF			
					EARLIER REVISION D	ATES	v					1	
					-		^	1 1			1 1	1'1	

Figure A.1 – RC and Pretensioned Girder Drawing Cover Page

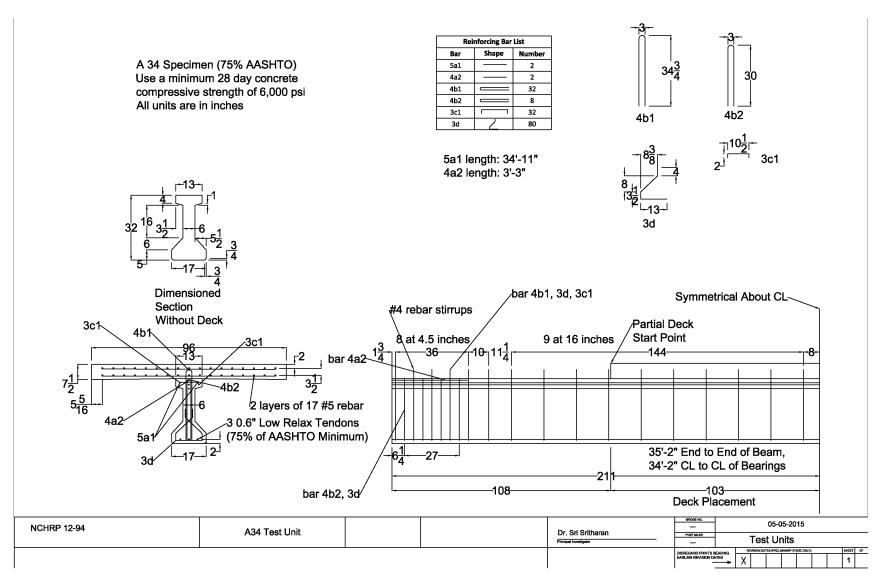


Figure A.2 – A34 Test Unit Details

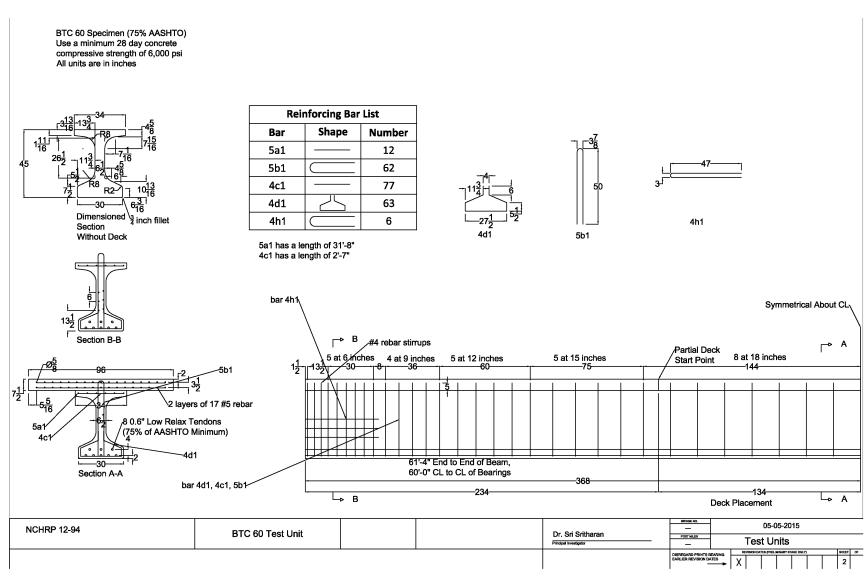


Figure A.3 – BTC 60 Test Unit Details

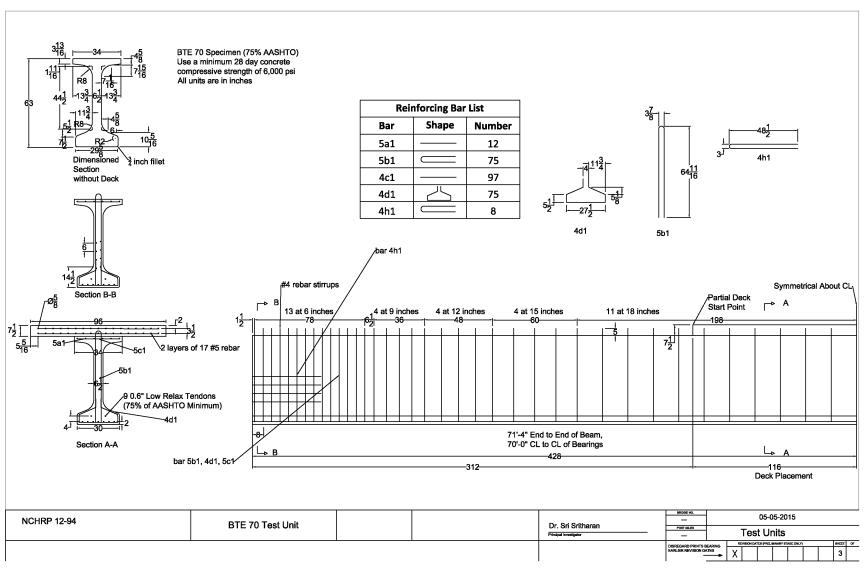


Figure A.4 – BTE 70 Test Unit Details

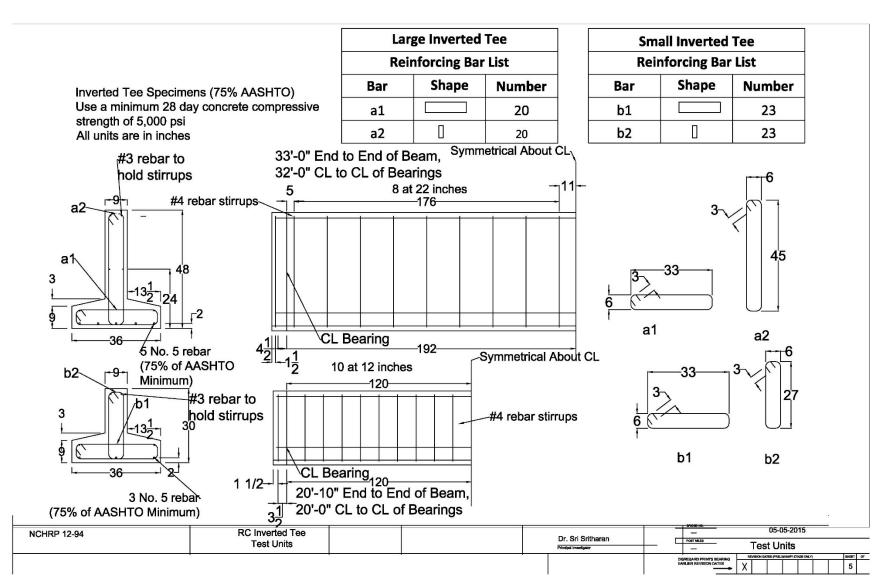


Figure A.5 – Large and Small Inverted Tee Test Unit Details

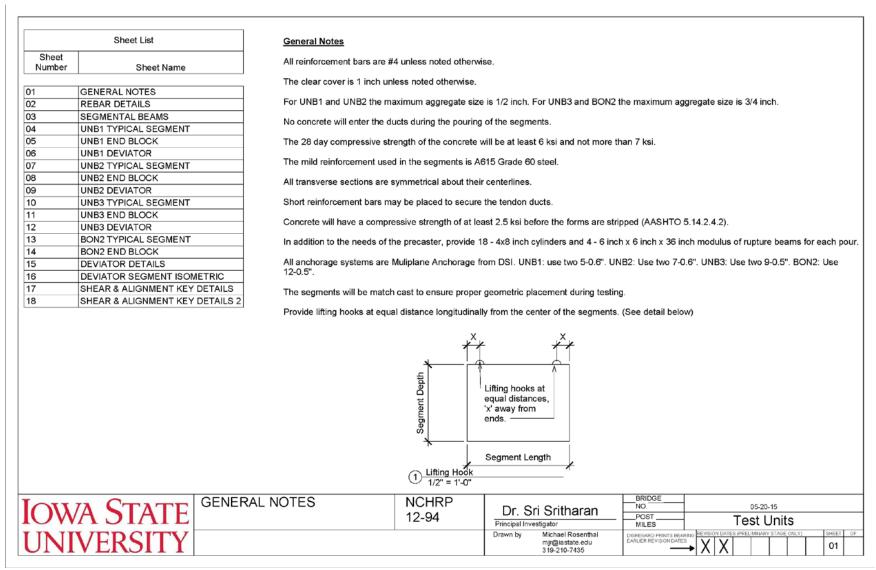


Figure A.6 – Segmental Cover Sheet and Sheet List

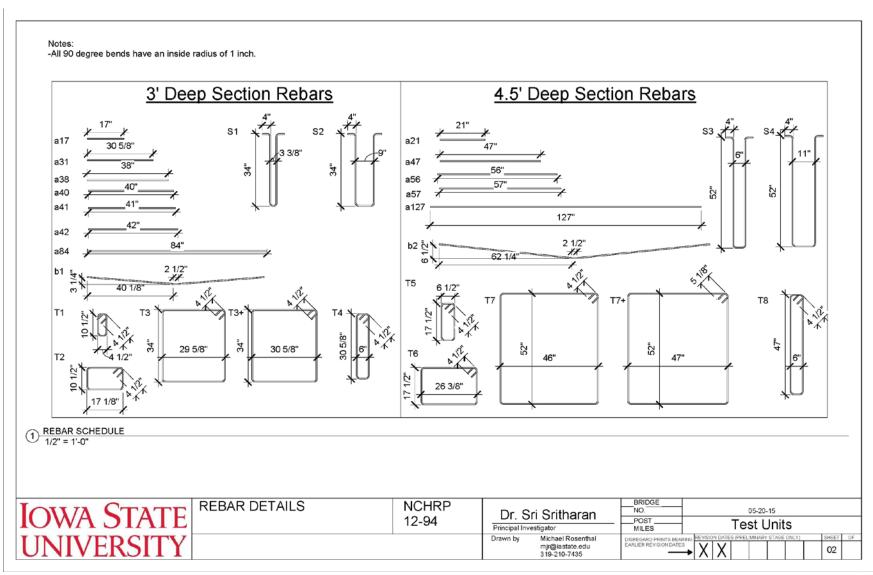


Figure A.7 – Mild Reinforcement Details

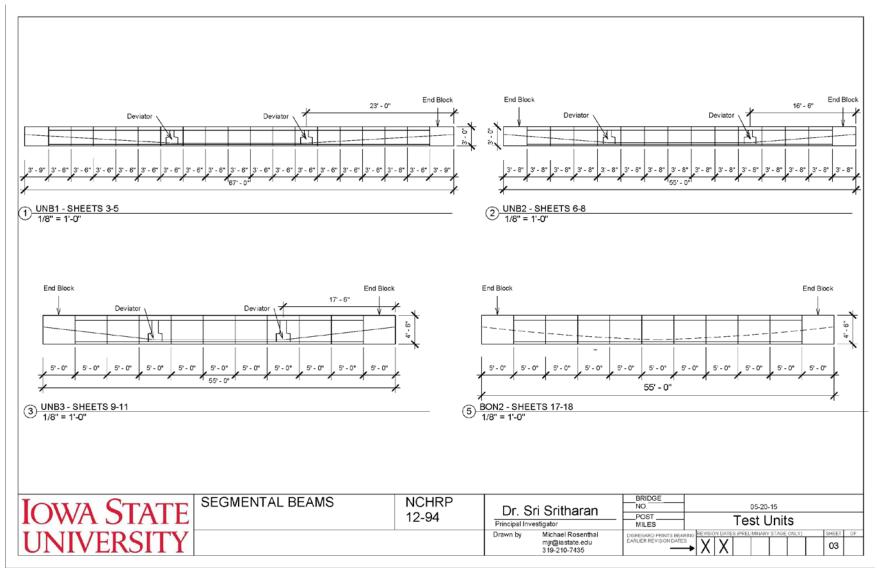


Figure A.8 – Segmental Elevations

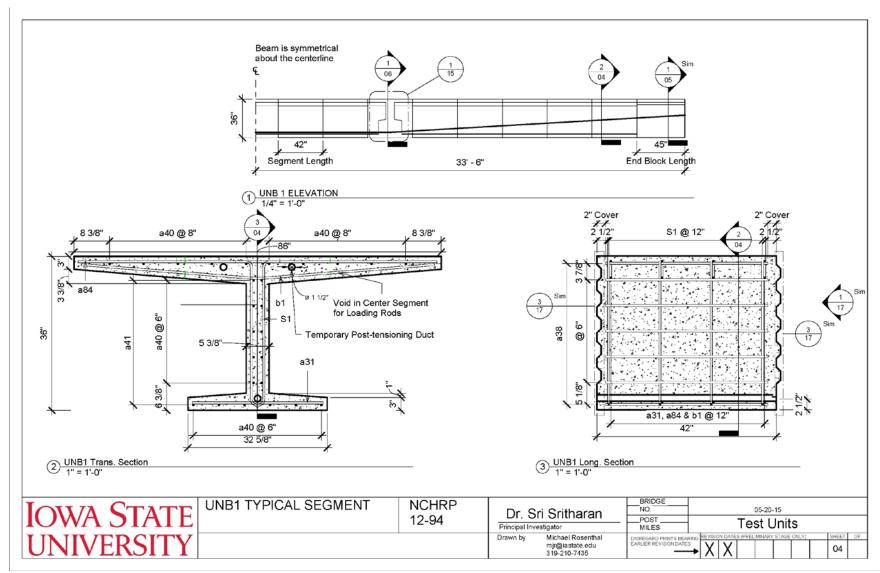


Figure A.9 – UNB1 Typical Longitudinal and Transverse Section

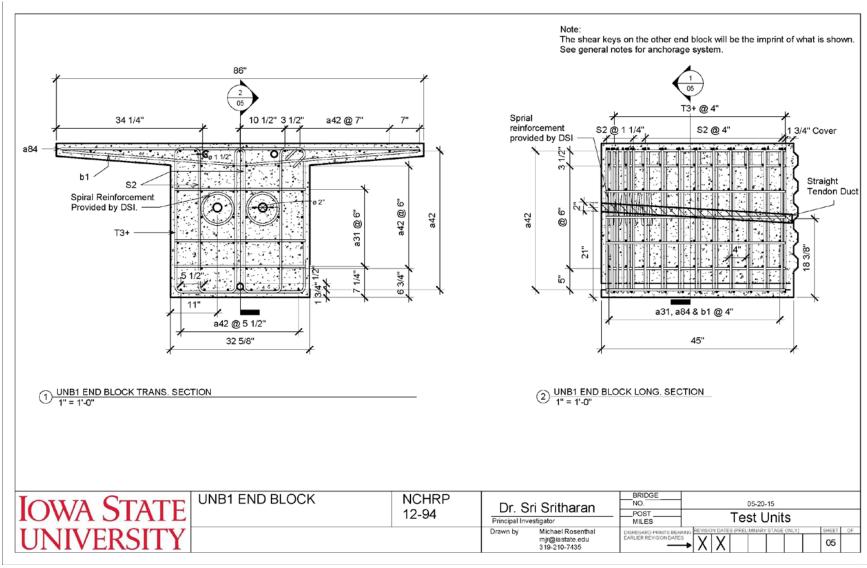


Figure A.10 – UNB1 End Block Longitudinal and Transverse Section

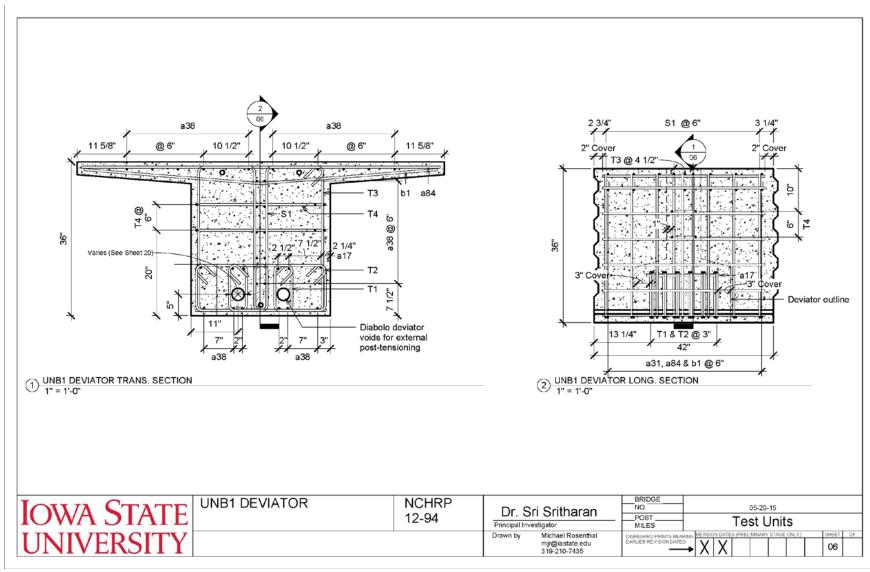


Figure A.11 – UNB1 Deviator Segment Longitudinal and Transverse Section

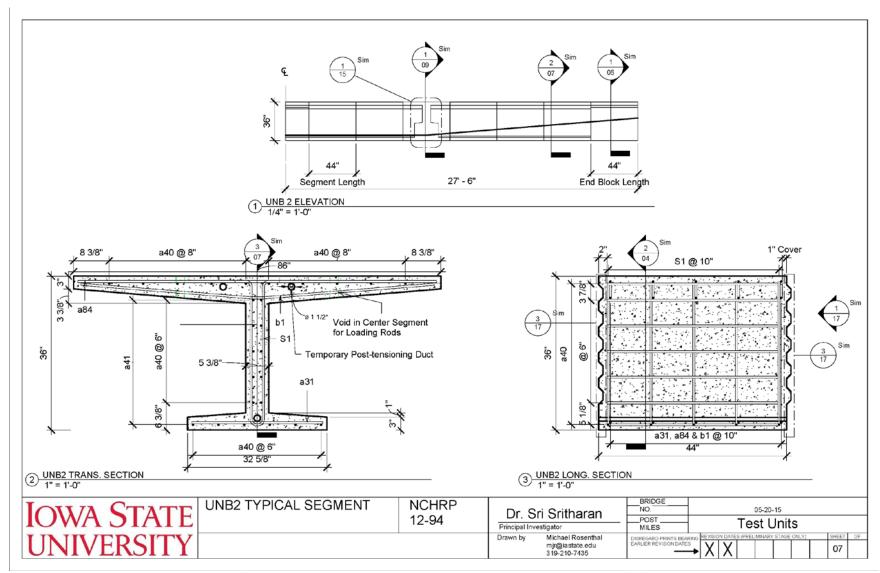


Figure A.12 – UNB2 Typical Longitudinal and Transverse Section

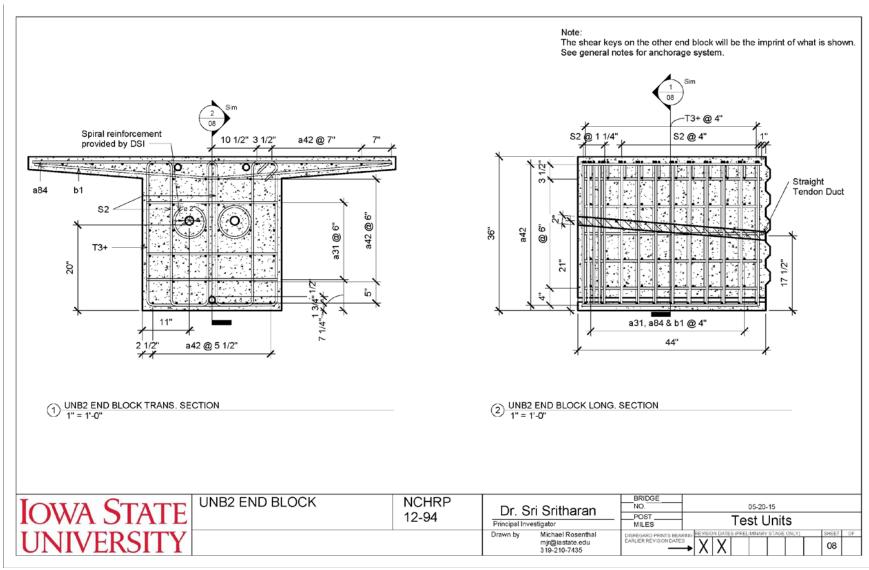


Figure A.13 – UNB2 End Block Longitudinal and Transverse Section

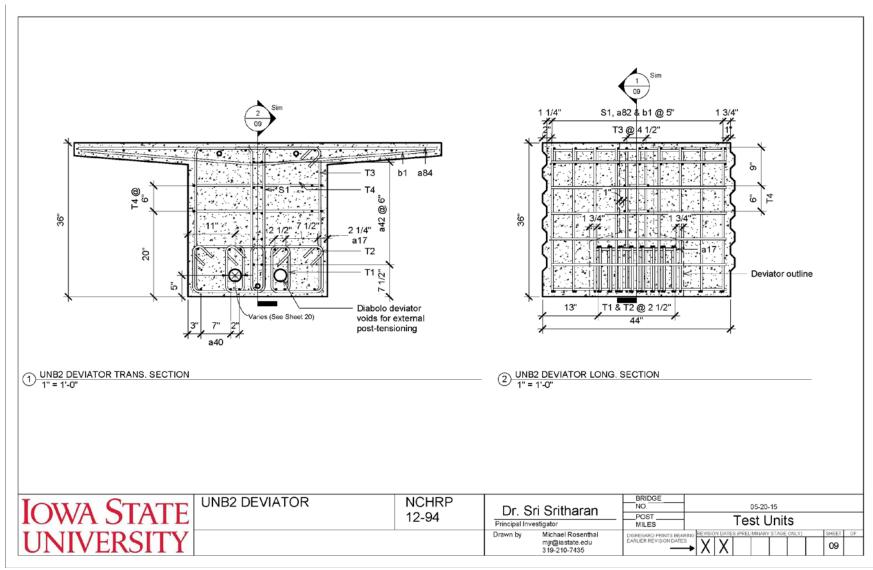


Figure A.14 – UNB2 Deviator Segment Longitudinal and Transverse Section

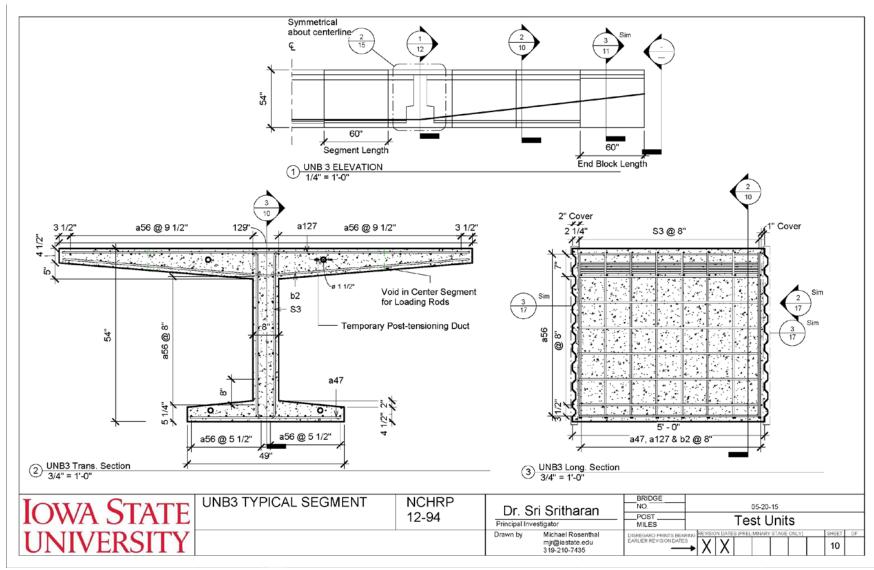


Figure A.15 – UNB3 Typical Longitudinal and Transverse Section

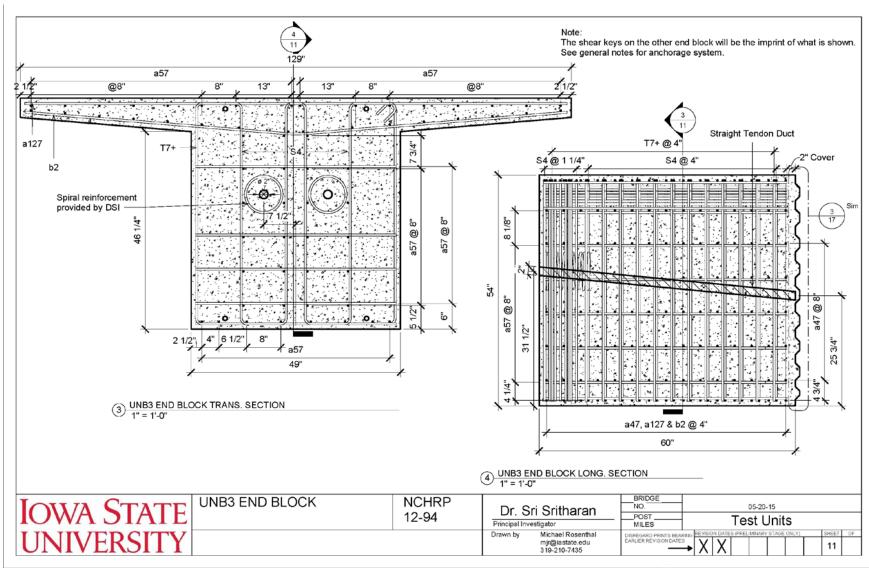


Figure A.16 – UNB3 End Block Longitudinal and Transverse Section

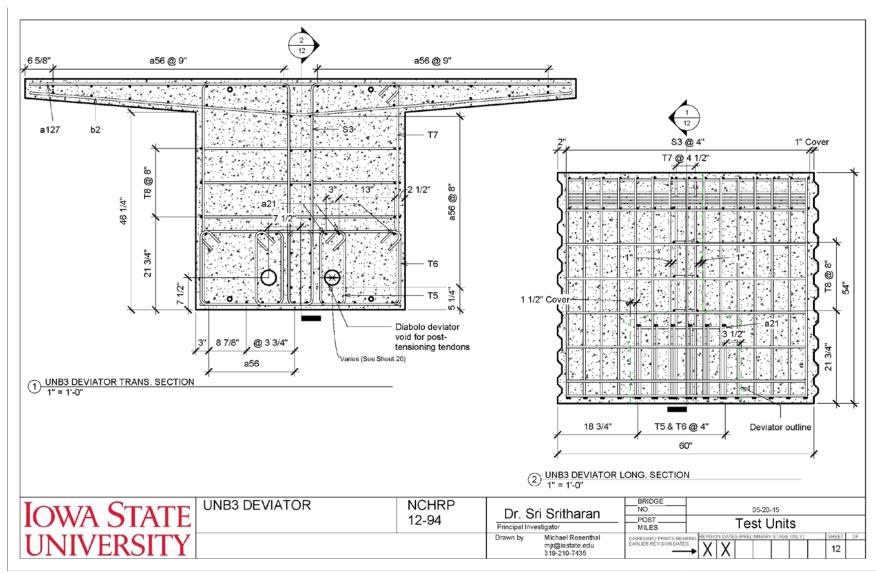


Figure A.17 – UNB3 Deviator Segment Longitudinal and Transverse Section

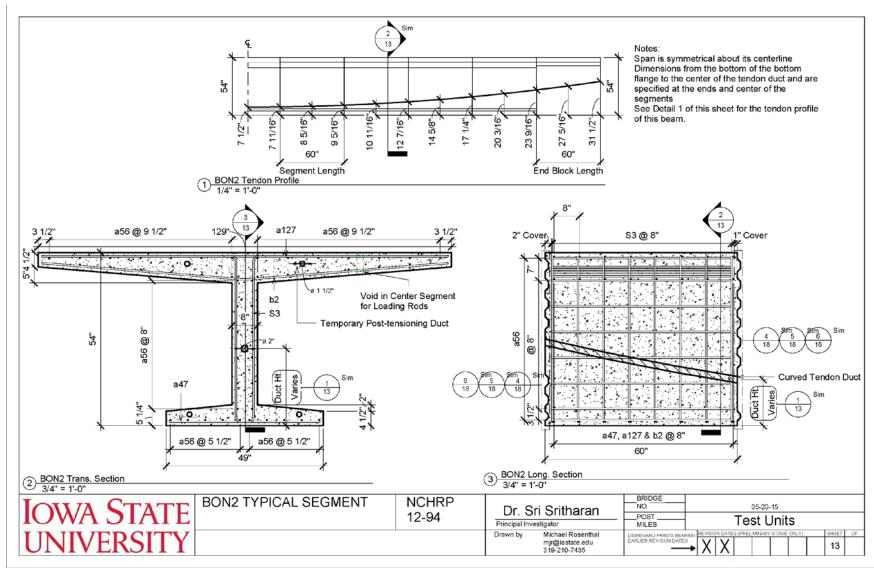


Figure A.18 – BON2 Typical Longitudinal and Transverse Section

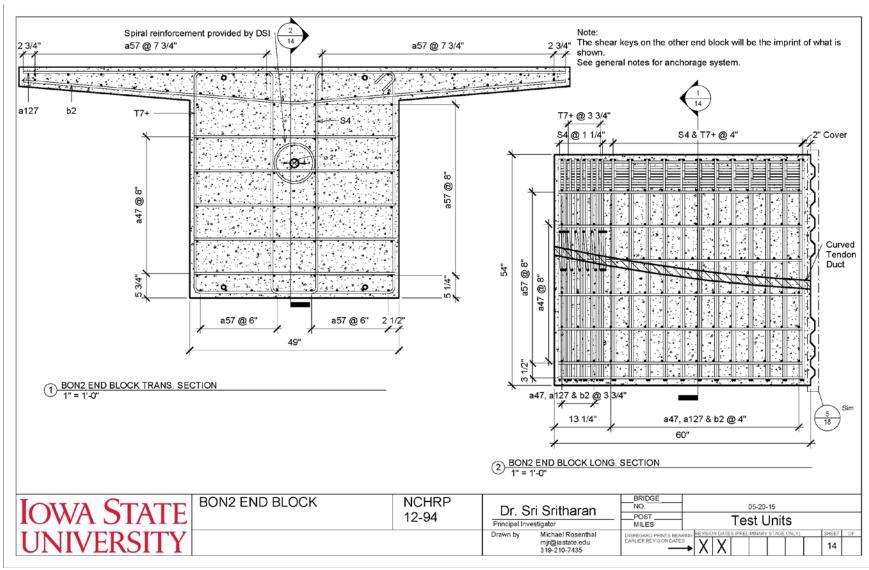


Figure A.19 – BON2 End Block Longitudinal and Transverse Section

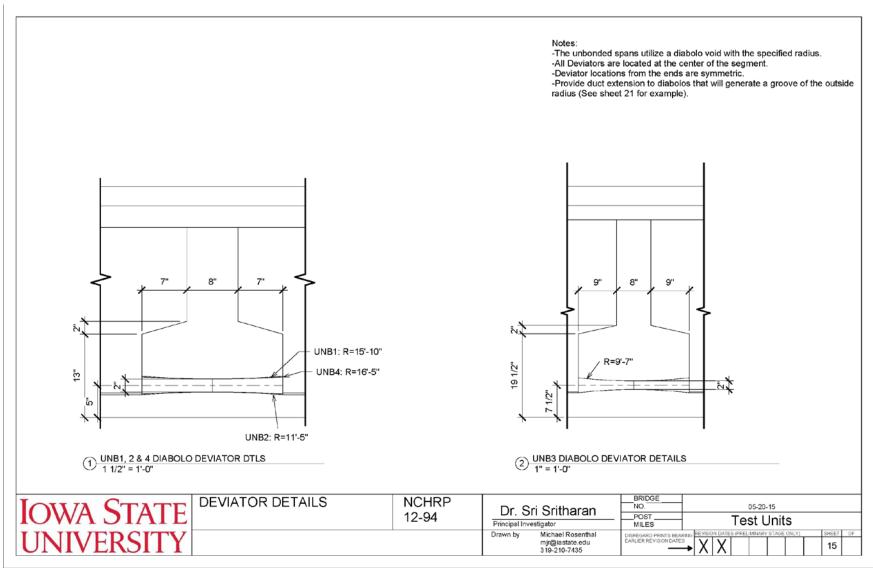


Figure A.20 – Deviator Details

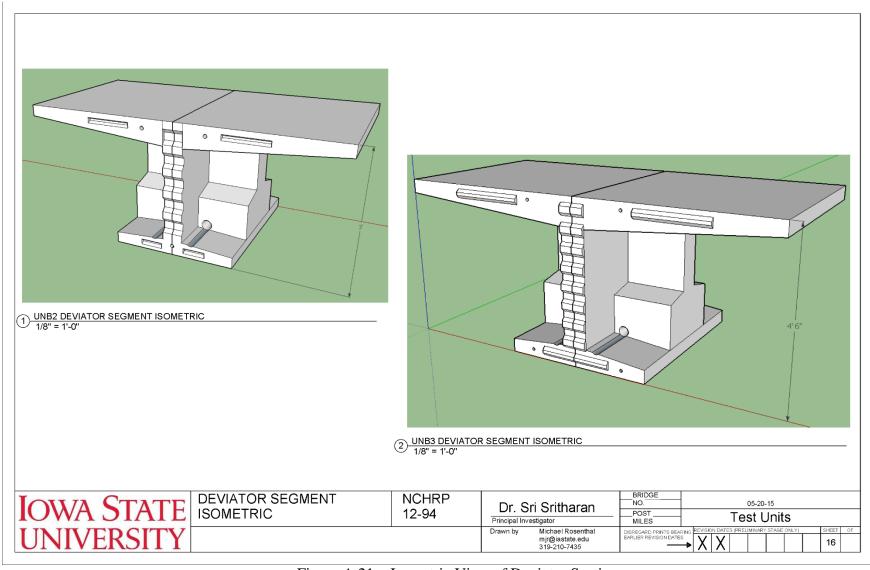


Figure A.21 – Isometric View of Deviator Section

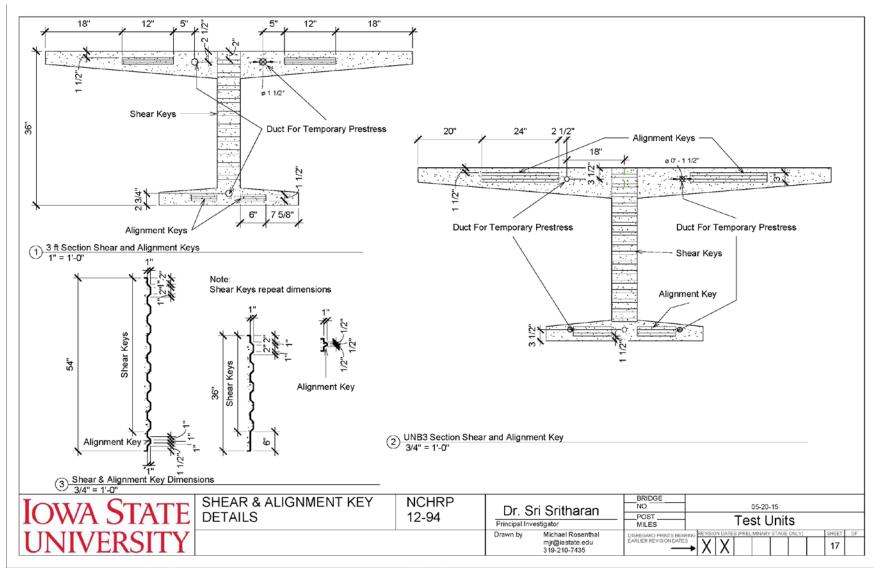


Figure A.22 – Shear and Alignment Key Details

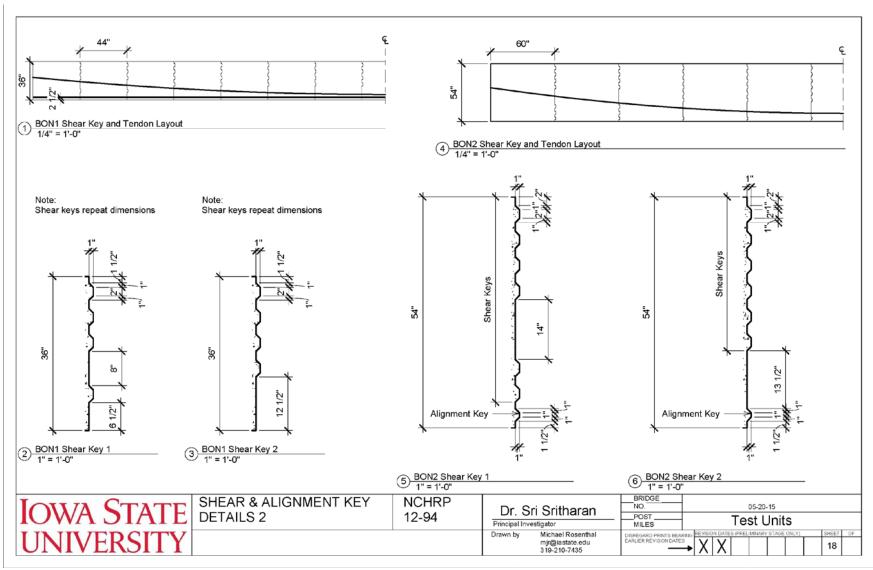


Figure A.23 – Shear and Alignment Key Details for Bonded Segments