

Green River Bridge NDT Survey Peter Guice Memorial Bridge Hendersonville, North Carolina S&ME Project No. 6105-18-008 Phase 340

### PREPARED FOR

North Carolina Department of Transportation 1501 Mail Service Center Raleigh, North Carolina 27699

### PREPARED BY

S&ME, Inc. 3201 Spring Forest Road Raleigh, NC 27616

September 25, 2018



September 25, 2018

North Carolina Department of Transportation 1501 Mail Service Center Raleigh, North Carolina 27699

Attention: Mr. Stephen Porter

Reference: Green River Bridge NDT Survey

**Peter Guice Memorial Bridge** Hendersonville, North Carolina

S&ME Project No. 6105-18-008 Phase 340

Dear Mr. Porter:

S&ME, Inc. (S&ME) has completed our nondestructive testing (NDT) Survey of specific locations at the Green River Bridge in Hendersonville, North Carolina. Our testing was performed as outlined in your Scope for NDT Work, Project 15BPR.20, Green River Bridges, 440108 and 440112, dated July 31, 2018. The purpose of these services was to perform Visual, Magnetic Particle, and Ultrasonic testing of various locations on bridges 440108 and 440112. This report presents our understanding of the proposed project, a summary of our NDT testing, and results.

# PROJECT INFORMATION

We understand that there were previous inspections of the two bridges that noted multiple discrepancies. We further understand that there were differences between the previous inspections' results. NCDOT identified multiple locations for more in depth NDT using visual, magnetic particle, and possibly ultrasonic testing. The desired locations for NDT testing were identified on DWG's S-3 and S-4 (see appendix II). As requested by NCDOT, S&ME subcontracted McClain & Company, Inc. to provide traffic control and a UB-60 under bridge access vehicle with two operators. We were on-site at the bridges on August 28, 29, and 30, 2018. We performed inspection of twelve accessible locations on Bridge number 440112. These locations are labeled on the DWGS S-3 and S-4 in green number labels 1-12 (see appendix III). We performed inspection of five accessible locations on Bridge number 400108. These locations are labeled in green numbers 13-17. Digital images were taken of specific conditions and are presented in Appendix I.



Hendersonville, North Carolina S&ME Project No. 6105-18-008 Phase 340

# METHOD OF TESTING

Visual testing was performed on the above mentioned locations. Visual testing was performed by personnel qualified (see appendix IV) as a Certified Welding Inspector (CWI) in accordance with the American Welding Society (AWS). Task lighting with a minimum intensity of 100 foot-candles at the inspection surface was utilized to perform the inspection. Welding quality visual acceptance criteria was in accordance with AWS D1.5 Bridge Welding Code.

Magnetic Particle Testing was performed on the above mentioned locations. Magnetic Particle Testing was performed utilizing a Parker, DA-400 magnetic yoke, Magnaflux dry red particles, and alternating current. The lifting capability of the yoke was verified using a 10 pound calibration weight. The MT testing was performed in accordance with S&ME Inc. procedure number WI-TP-NDT-MT-01.

Ultrasonic testing, when used, was performed using an Epoch LT manufactured by Olympus. The transducer utilized was a 2.25MHz model A540s. Ultrasonic testing was performed in accordance with S&ME Inc. procedure WI-TP-NDT-UT01 and AWS D1.5 Bridge Welding Code.

# TESTING RESULTS

### Bridge 440112:

- 1. **Span 2 Beam 2 (QA Check Location) –** weld connection of girder 2 web to web stiffener at 7 feet north of floor beam 10 near mid-height. Visual inspection and MT inspection was performed. There were no defects noted.
- 2. **Span 3 Beam 2 (QA Check Location) -** web to web stiffener weld north face at floor beam 20. Visual inspection of this area revealed there was a possible linear indication. The area was then MT inspected and the linear indication was marked. The area was wire brushed with a power wire wheel and then ground with a hard disk and reexamined. There were no defects noted.
- **3. Span 3, Beam 2 (NDT Test Location)** at 2nd stiffener from floor beam 26 vertical seam weld. Visual inspection was performed. The area was wire brushed with a power wheel brush and an MT inspection was performed. Noted a linear indication 1-Inch long transverse to weld axis (see image #1).
- 4. Span 4, Beam 2 (NDT Test Location) the web to web stiffener weld at floor beam 33 near bottom. A visual inspection noted a linear indication on an overlap portion of the weld toe in the wrapped area of the stiffener plate. The area was then MT inspected and the linear indication was marked. The area was wire brushed with a power wire wheel and then ground with a hard disk and reexamined. There were no defects noted.
- 5. **Span 4, Beam 2 (QA Check Location)** the underside of connection plate, north side at floor beam 33. A visual inspection was performed and noted overlap and incomplete fusion at the weld toe. The area was power wire brushed and a MT inspection was performed. A linear indication was noted at the weld toe. The area was then ground smooth and reexamined. Noted a linear indication 6-Inch long (see image #2). A UT inspection was performed. No indications were noted in the adjacent base metal.



Hendersonville, North Carolina S&ME Project No. 6105-18-008 Phase 340

- 6. **Span 4, Beam 1 (NDT Test Location)** the web to web stiffener weld south face at floor beam 35. A visual inspection was performed. The area had a small rust layer running along the weld toe area with no visual signs of a linear indication. The area was the then wire brushed using a power wheel brush and the MT inspection was performed. There were no defects noted after the rust removal.
- 7. **Span 5, Beam 1 (NDT Test Location)** The web underside longitudinal stiffener between 2nd and 3rd vertical stiffener exterior face. A visual inspection was performed. The area had a rust layer over the weld and a weld pass start and stop (see image #3) in the fillet weld. The area was power wire brushed and a MT inspection was performed. There were no defects noted.
- 8. **Span 4, Beam 1 (NDT Test Location)** The web to web stiffener weld south facing at floor beam 33. A visual inspection was performed. The area had a light surface rust and overlap at the weld toe. The area was power wire brushed and a MT inspection was performed. A linear indication was noted at the weld toe. The area was then ground smooth and reexamined. There were no defects noted.
- 9. Span 3, Beam 1 (QA Check Location) The web to web stiffener weld south facing at floor beam 24 near lower plate connection. A visual inspection was performed on the fillet weld and the following defects were noted: overlap, undercut and unacceptable weld profile over the entire length of the weld (see images #4 & #5). Because of the significant unacceptable visual defects, an MT inspection was not performed.
- 10. Span 3, Beam 1 (NDT Test Location) The web to web stiffener weld south facing at floor beam 23 near lower plate connection. Visual inspection was performed. The area was wire brushed with a power wheel brush and an MT inspection was performed. There were no defects noted.
- 11. Span 3, Beam 1 (QA Check Location) The weld of lower connection plate at floor beam 22. A visual inspection was performed on the fillet weld and the following defects were noted: overlap, unacceptable weld profile, weld spatter, and arc strikes on the lower portion of the weld joint (see image #6). An MT inspection was performed after power wire brushing. Other than the visible weld quality defects, there were no defects noted with MT inspection.
- 12. **Span 2, Beam 1 (QA Check Location) -** weld of lower connection plate at floor beam 10. A visual inspection was performed on the weld and the following defects were noted: overlap, unacceptable weld profile, and arc strikes on the upper and lower portion of weld joint (see images #7 & #8). An MT inspection was performed after power wire brushing. Other than the visible weld quality defects, there were no defects noted with MT inspection.

### **Bridge 440108:**

- **13. Span 2, Beam 2 (NDT Test Location)** upper web to 4th web stiffener from bent 2 on the exterior face. The weld was cleaned with the power wire wheel brush and MT inspection was performed. There were no defects noted. A visual inspection was performed. Twelve areas of porosity were noted in the 33-Inch length of weld (see images #9 & #10). The porosity does not exceed the AWS D1.5 acceptance criteria.
- 14. Span 3, Beam 2 (NDT Test Location) The web at bottom flange weld 5 feet north of floor beam 20. The area was cleaned using a power wire wheel brush and MT inspection was performed. Noted a linear indication transverse to weld axis (see images #11, #12 & #13) in the lower flange to web weld. The linear indication extends through the entire face of the weld and into the base metal of the bottom flange by 1/8-Inch and extends into the web base metal 1/16-Inch. A UT inspection was performed to attempt to determine the depth that the indication extends into the base metal. Because of the orientation of the linear indication, UT did not reveal an indication in the base metal.



Hendersonville, North Carolina S&ME Project No. 6105-18-008 Phase 340

- **15. Span 3, Beam 2 (QA Check Location)** bottom flange to girder 2 web weld at floor beam 24. A visual inspection was performed on the weld and no defects were noted. The area was power wire brushed and MT inspection was performed. There were no defects noted (see image #14).
- 16. Span 4, Beam 2 (QA Check Location) web stiffener north facing at mid-height around floor beam 30, weld repair area. The area was cleaned using a power wire wheel and visual inspection was performed. Noted cluster porosity at the start of the weld. The porosity ranged in size from 1/16-Inch to 1/32-Inch in diameter (see image #15). Total cluster porosity diameter was 3/16-Inch. The porosity does exceed the AWS D1.5 acceptance criteria, and is therefore unacceptable. An MT inspection was performed. Other than the visible porosity defects, there were no defects noted with MT inspection.
- 17. Span 4, Beam 2 (QA Check Location) connection plate to girder 2 web weld at floor beam 30. The area was cleaned using a power wire brush and then visual inspection performed. No defects were noted. An MT inspection was performed. There were no defects noted with MT inspection.

# SUMMARY

## Bridge 440112:

- 1. Span 2 Beam 2 (QA Check Location) No defects noted
- 2. Span 3 Beam 2 (QA Check Location) No defects noted
- 3. Span 3, Beam 2 (NDT Test Location) Linear indication 1-Inch long
- 4. Span 4, Beam 2 (NDT Test Location) No defects noted
- 5. Span 4, Beam 2 (QA Check Location) Linear indication 6-Inch long
- 6. Span 4, Beam 1 (NDT Test Location) No defects noted
- 7. Span 5, Beam 1 (NDT Test Location) No defects noted
- 8. Span 4, Beam 1 (NDT Test Location) No defects noted
- 9. Span 3, Beam 1 (QA Check Location) No defects noted
- 10. Span 3, Beam 1 (NDT Test Location) No defects noted
- 11. Span 3, Beam 1 (QA Check Location) Overlap, unacceptable weld profile, weld spatter, and arc strikes
- 12. Span 2, Beam 1 (QA Check Location) Overlap, unacceptable weld profile, and arc strikes

### Bridge 440108:

- 13. Span 2, Beam 2 (NDT Test Location) No defects noted
- 14. Span 3, Beam 2 (NDT Test Location) Linear indication 5/8-Inch long
- 15. Span 3, Beam 2 (QA Check Location) No defects noted
- 16. Span 4, Beam 2 (QA Check Location) Cluster Porosity
- 17. Span 4, Beam 2 (QA Check Location) No defects noted



Hendersonville, North Carolina S&ME Project No. 6105-18-008 Phase 340

# CLOSING

We appreciate the opportunity to be of service on this project. Please call if you have questions or need additional information.

Sincerely,

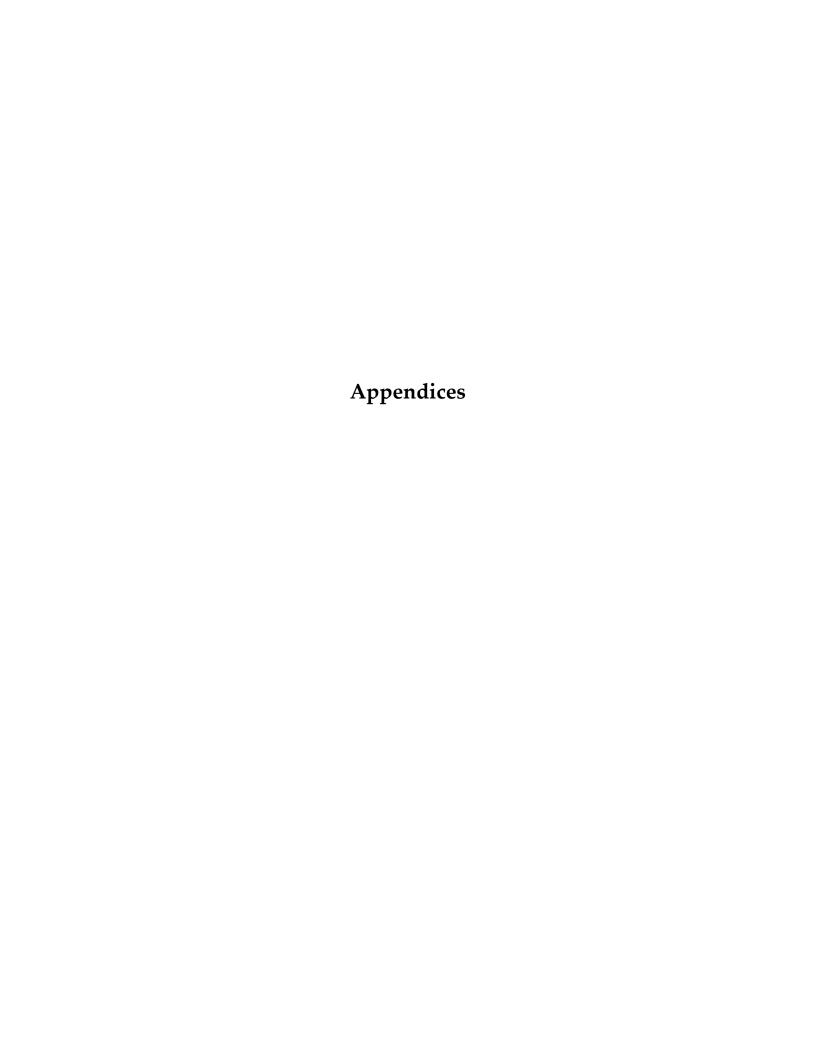
S&ME, Inc.

Mark Powers, CWI/NDT Level II

Perry R. Vezina, ASNT NDT Level III

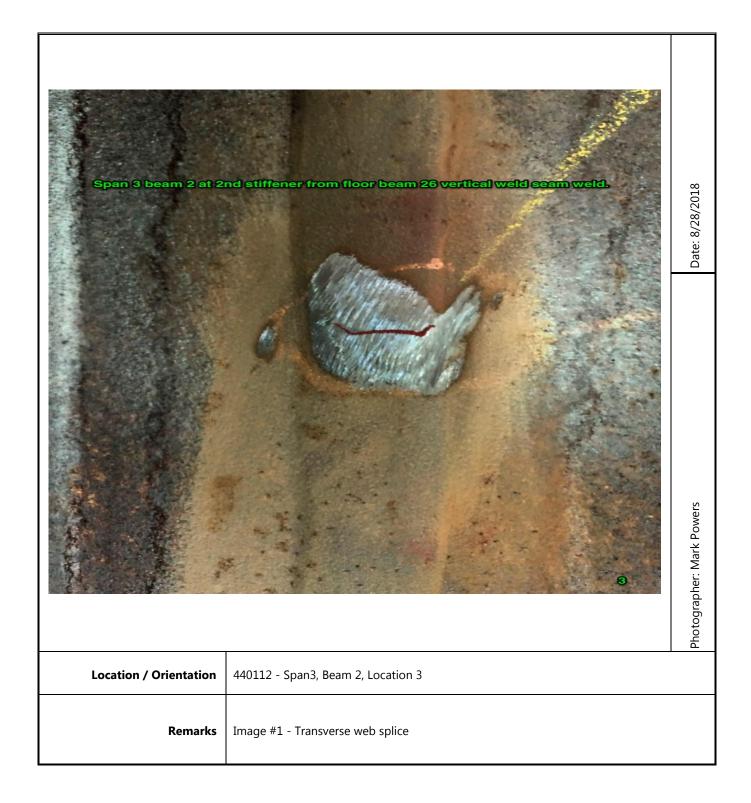
Puz RVoj

Senior NDE Technician NDE Area Manager



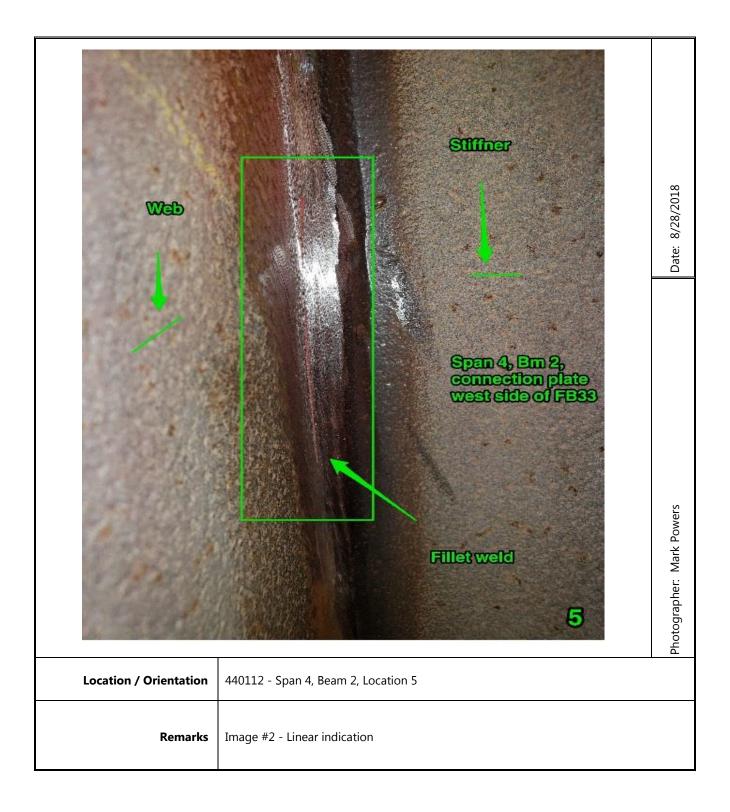




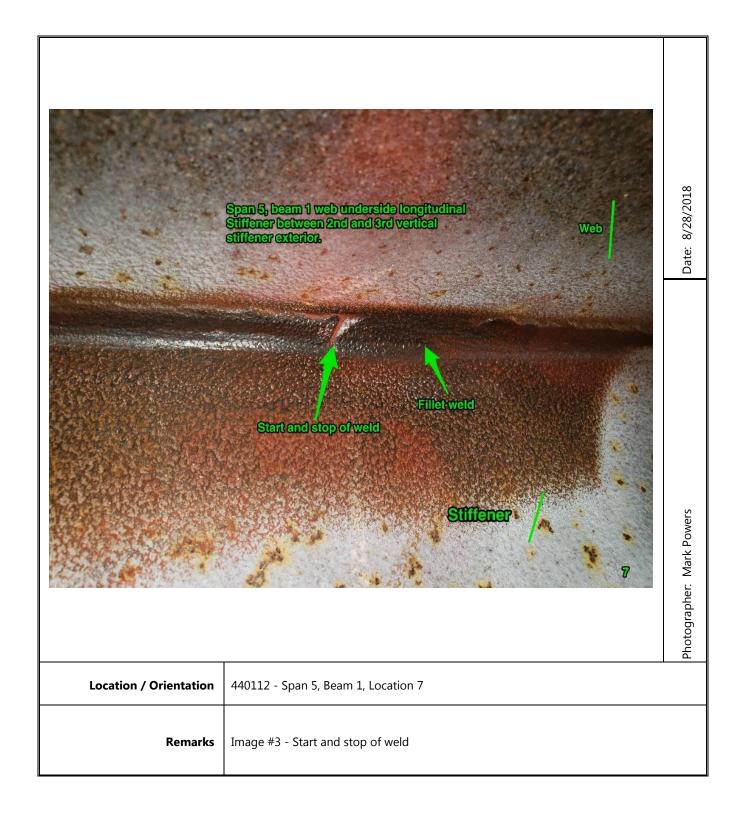


September 25, 2018



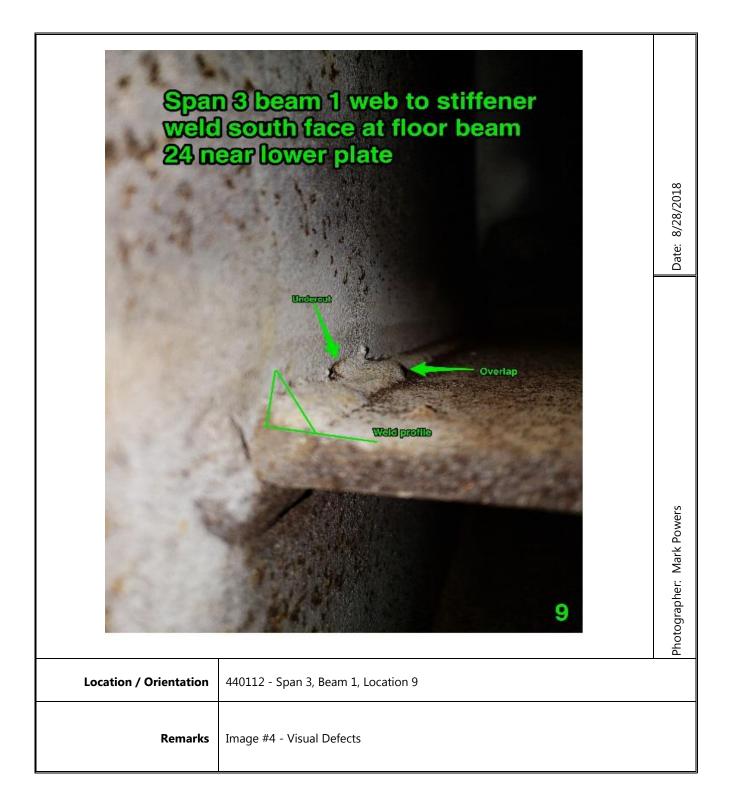






September 25, 2018 iii

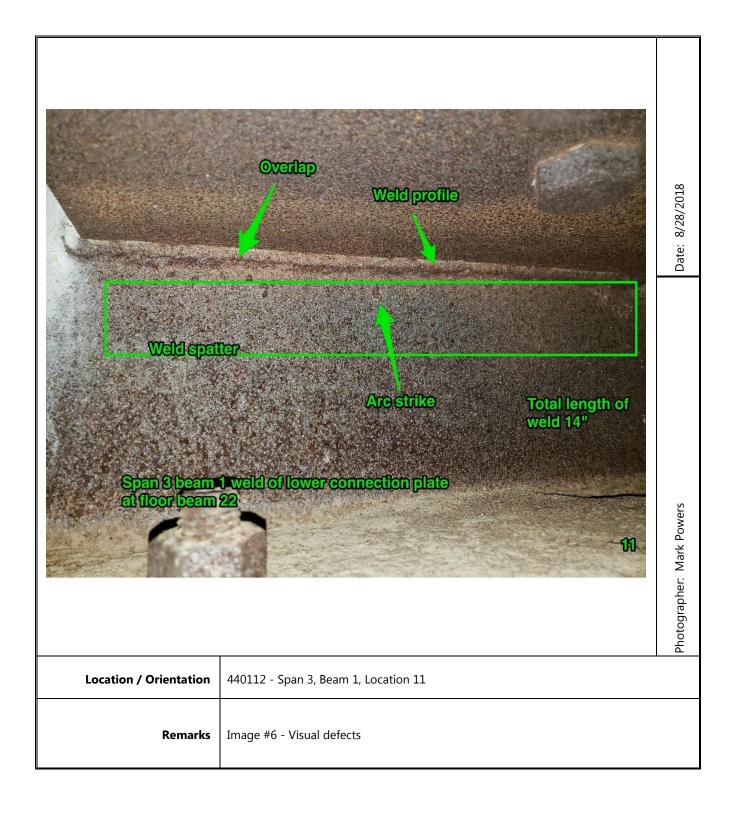




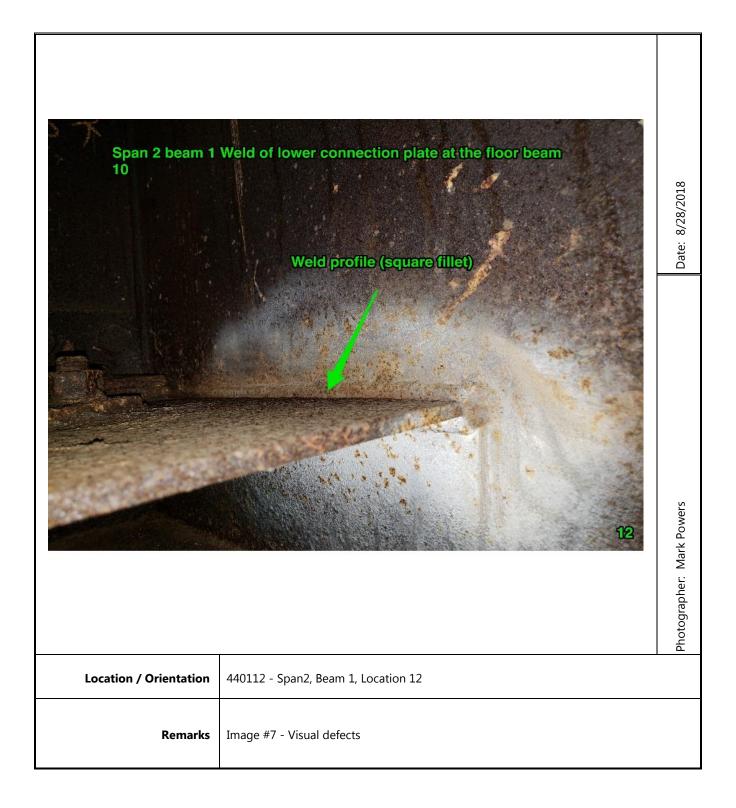






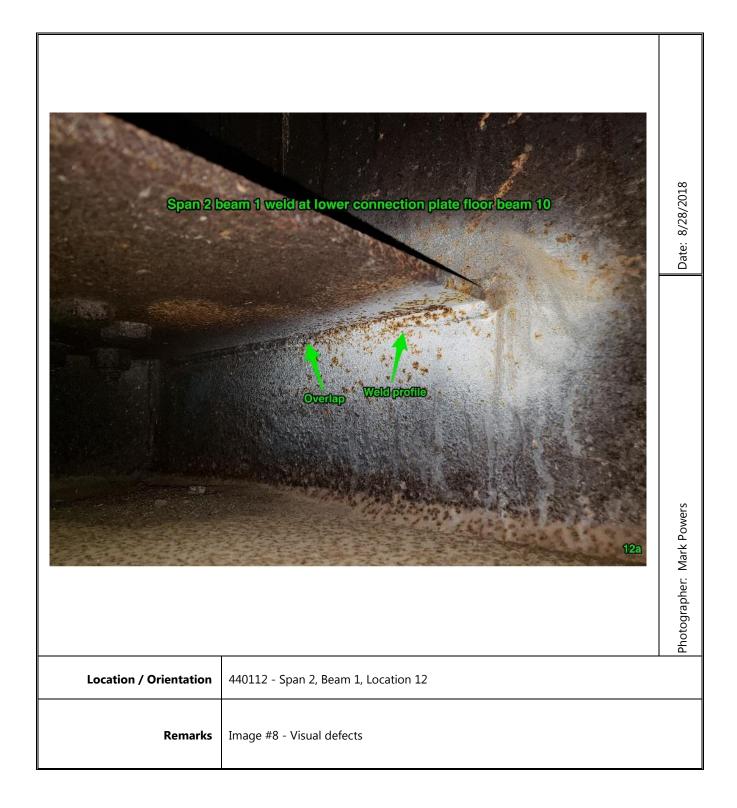






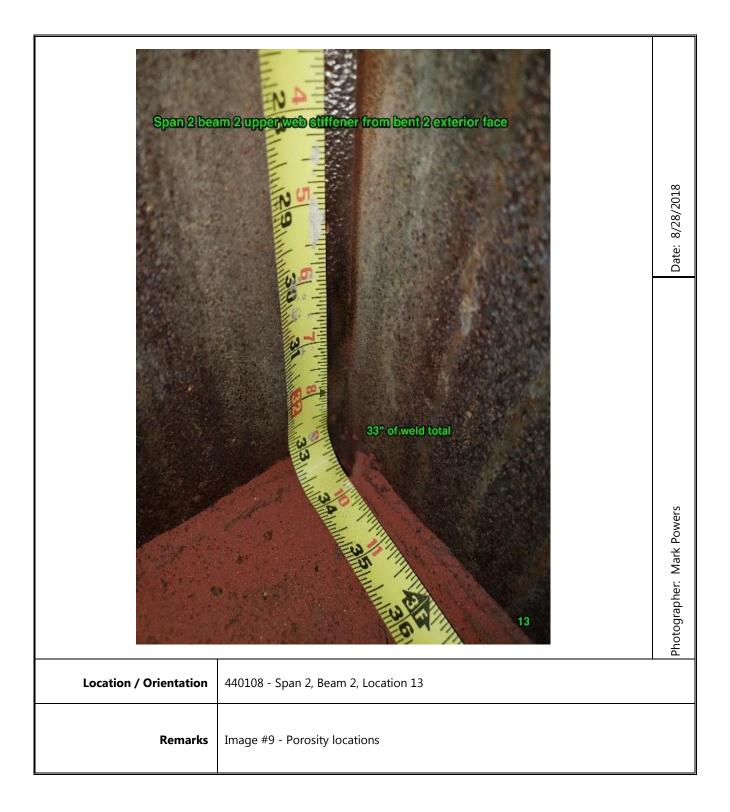
September 25, 2018 vii



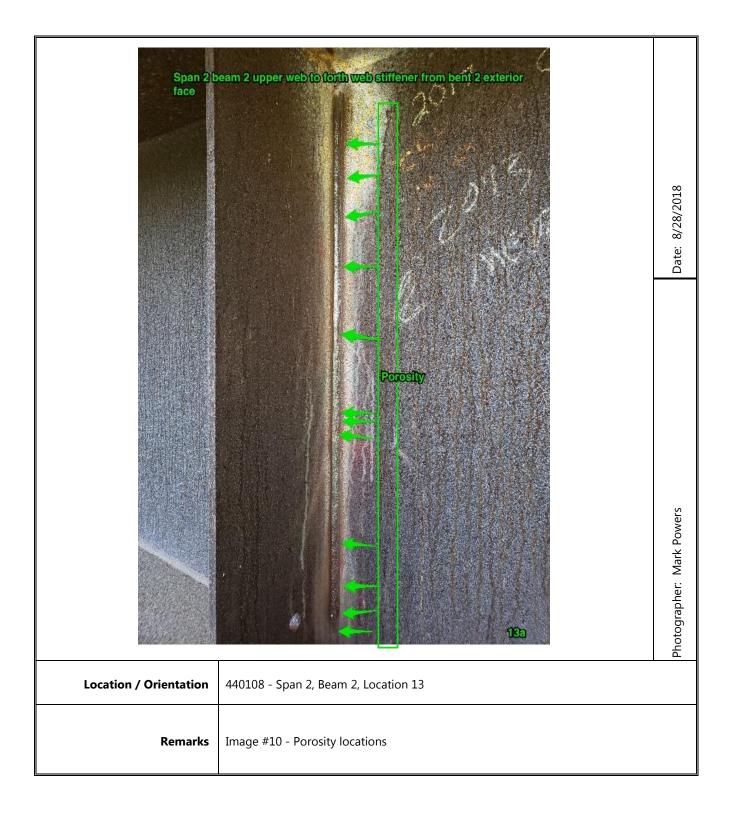


September 25, 2018 viii

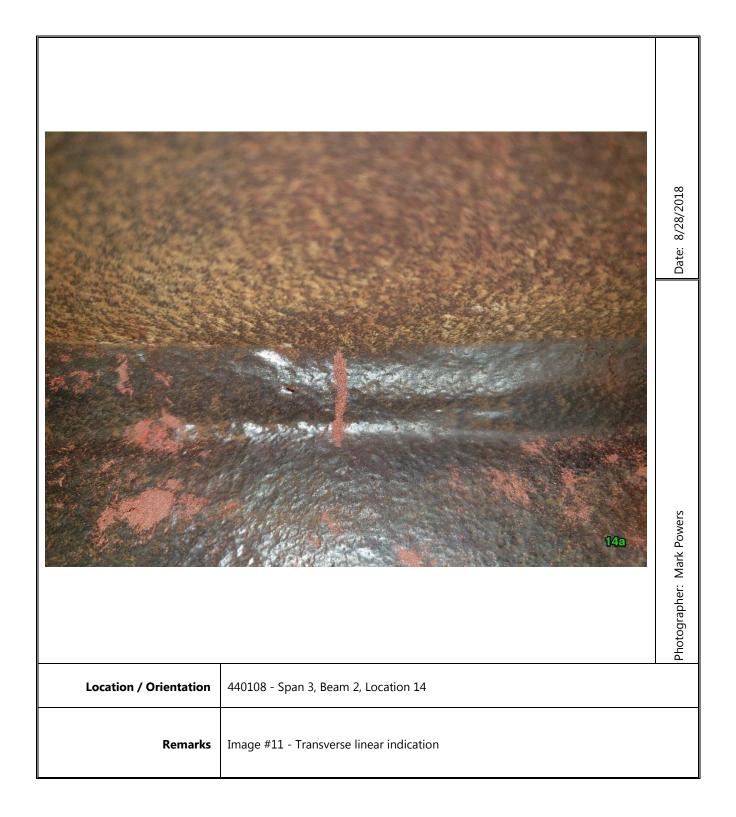




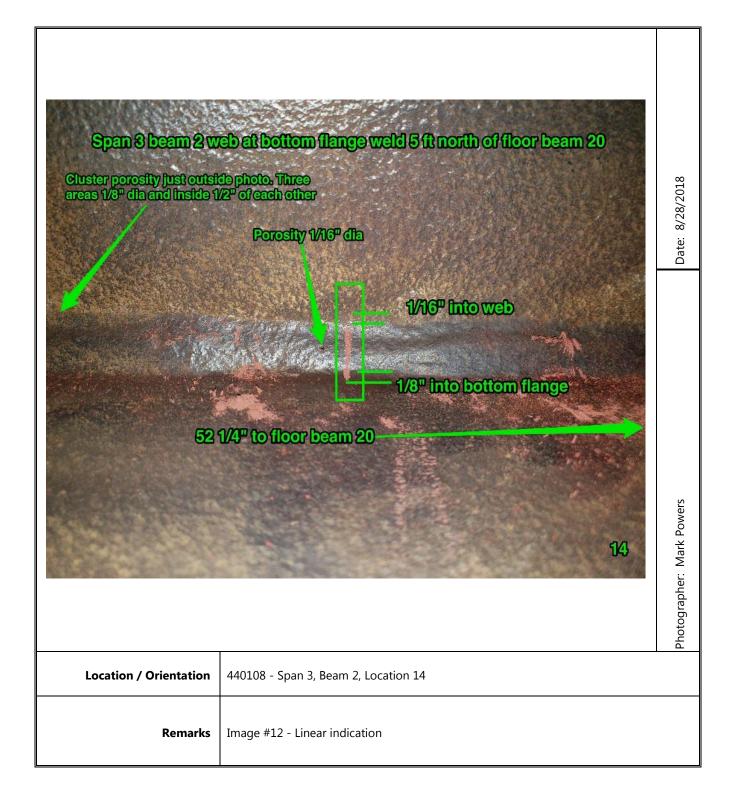






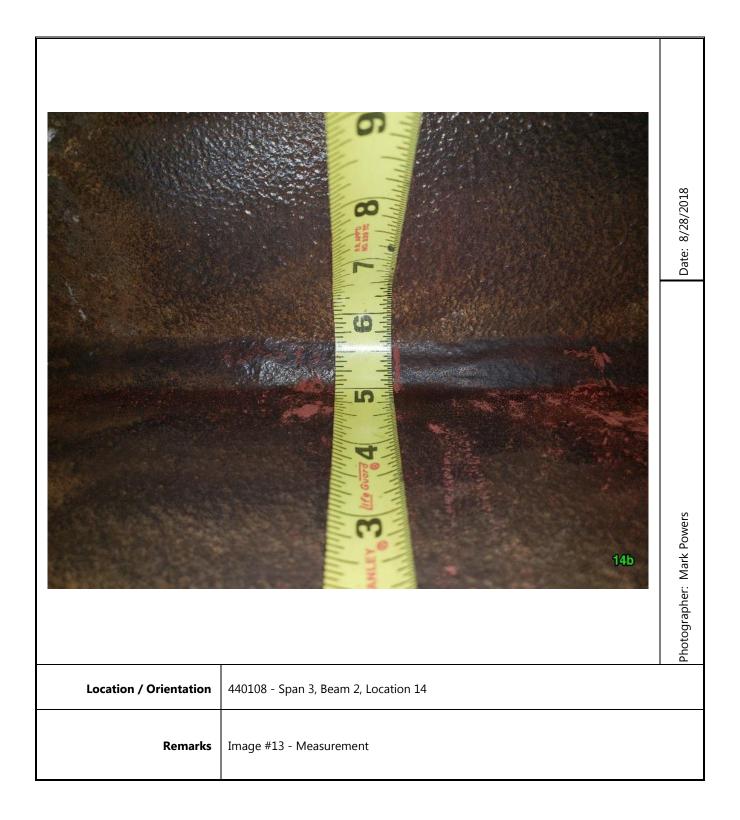






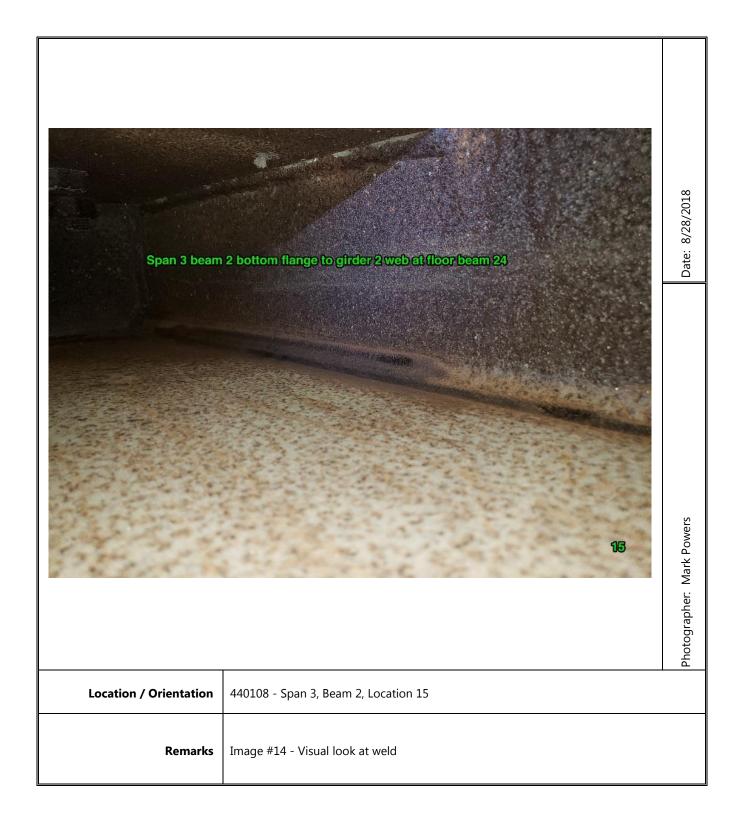
September 25, 2018 xii





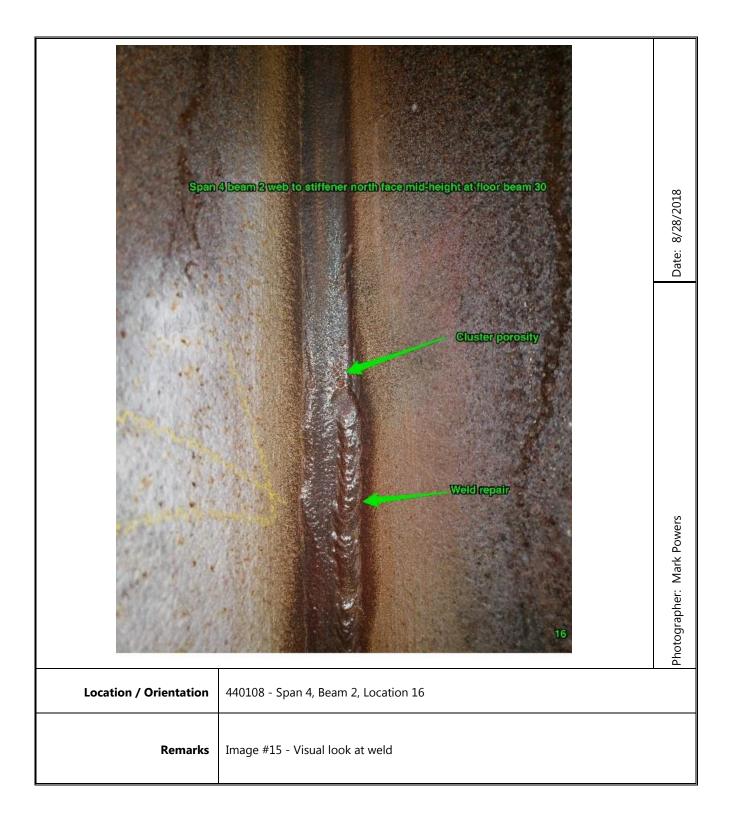
September 25, 2018 xiii

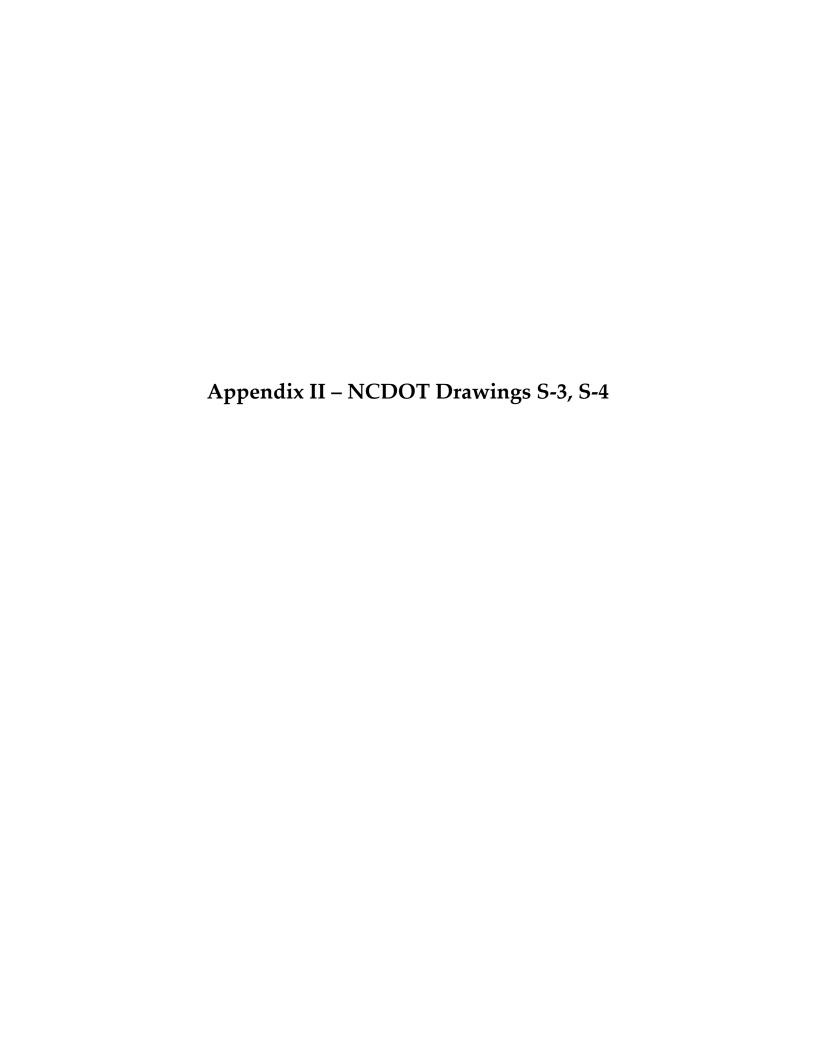


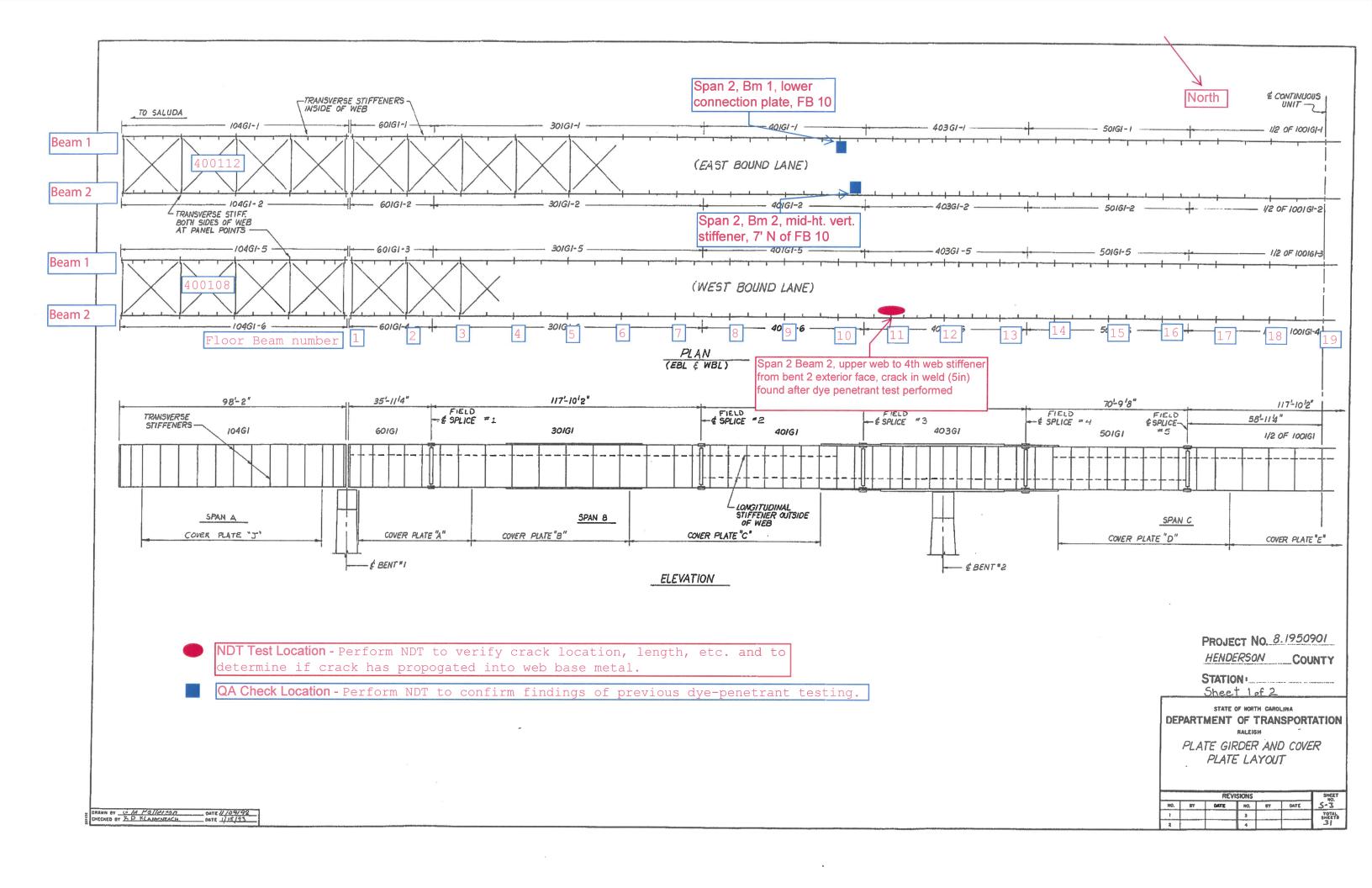


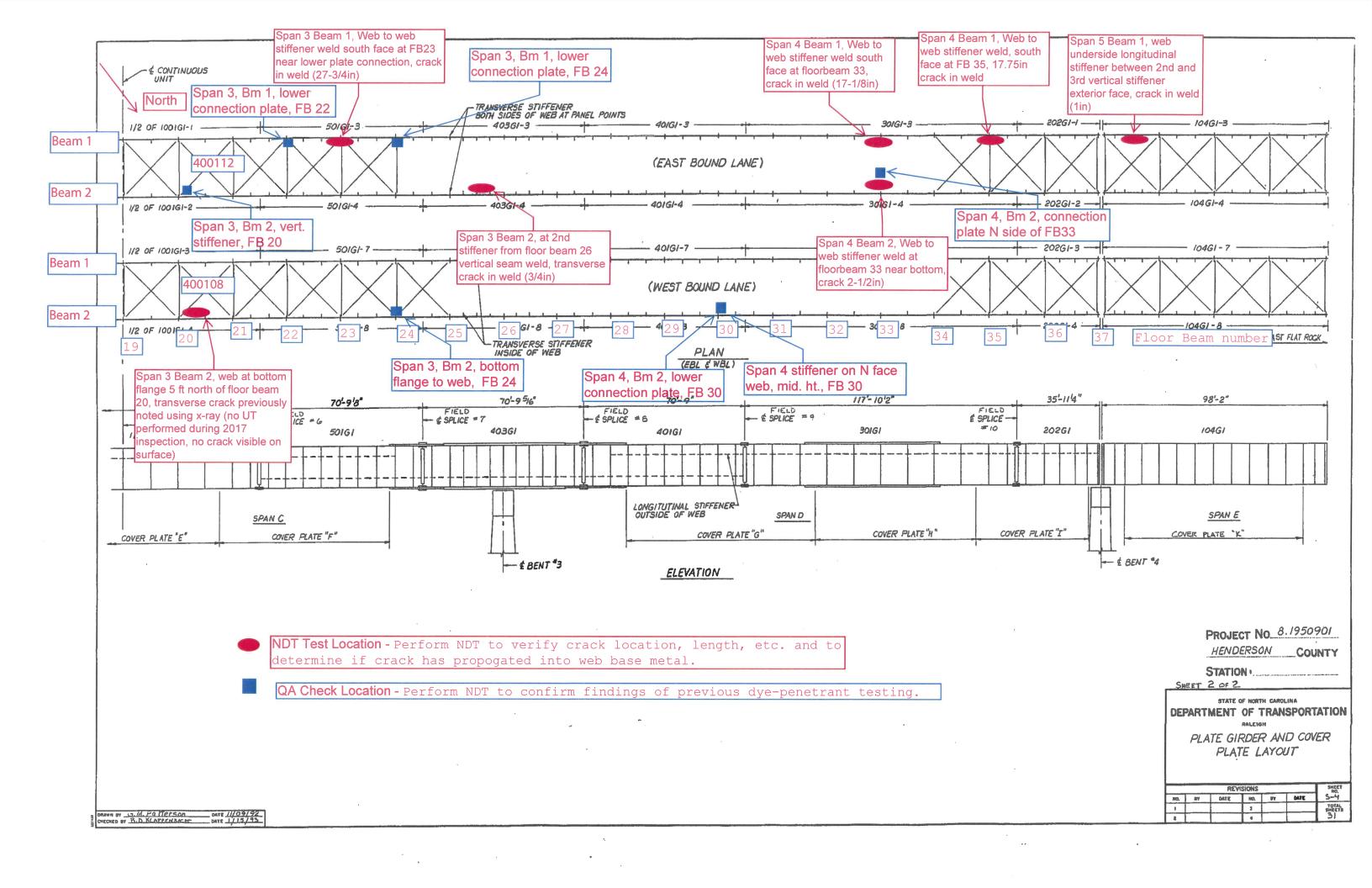
September 25, 2018 xiv

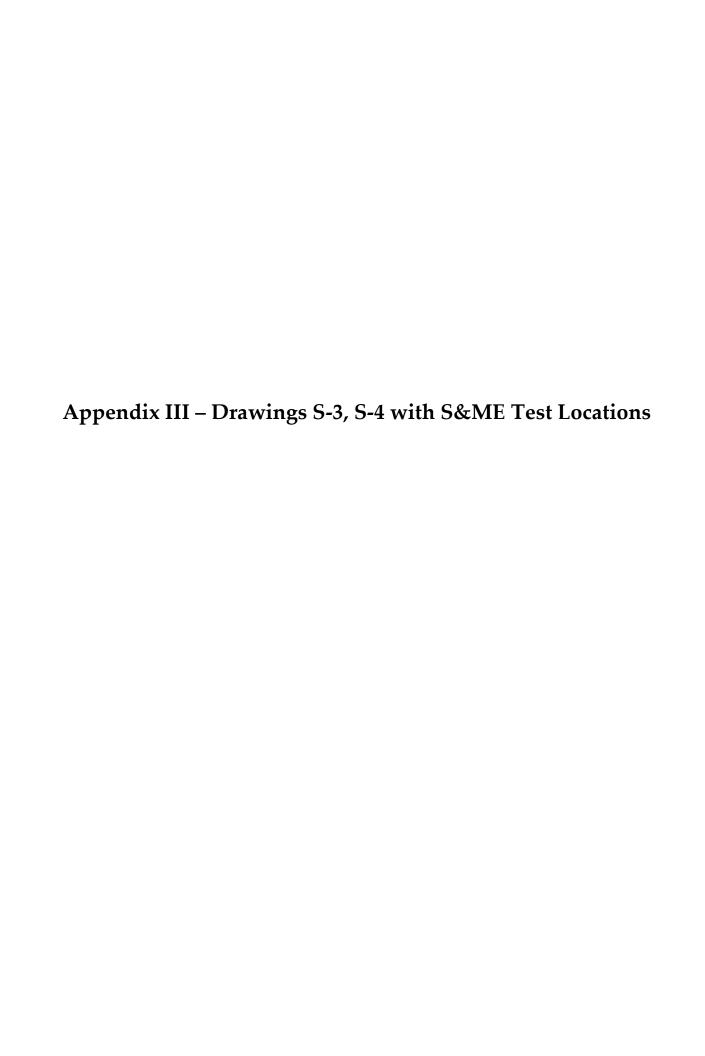


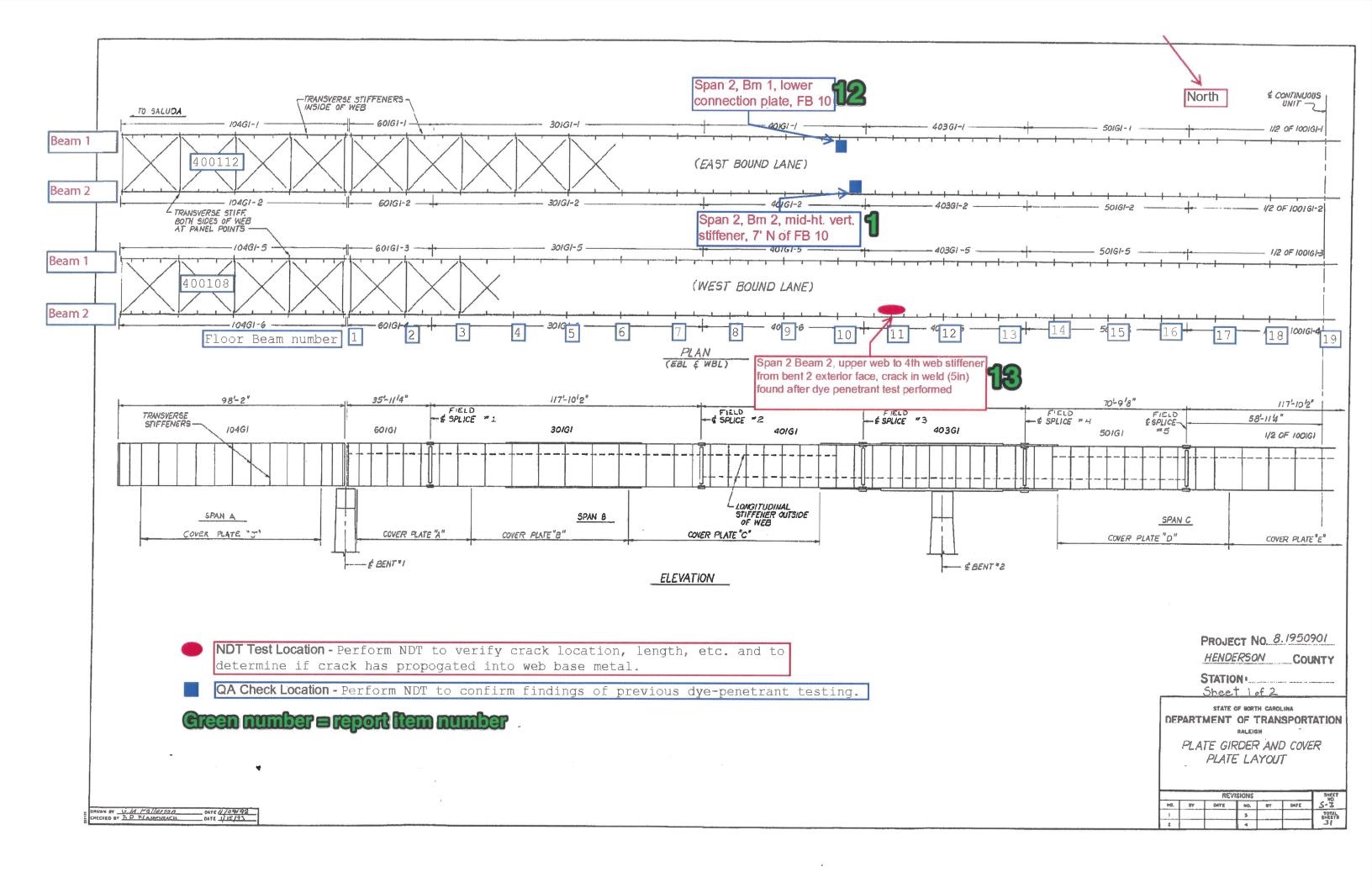


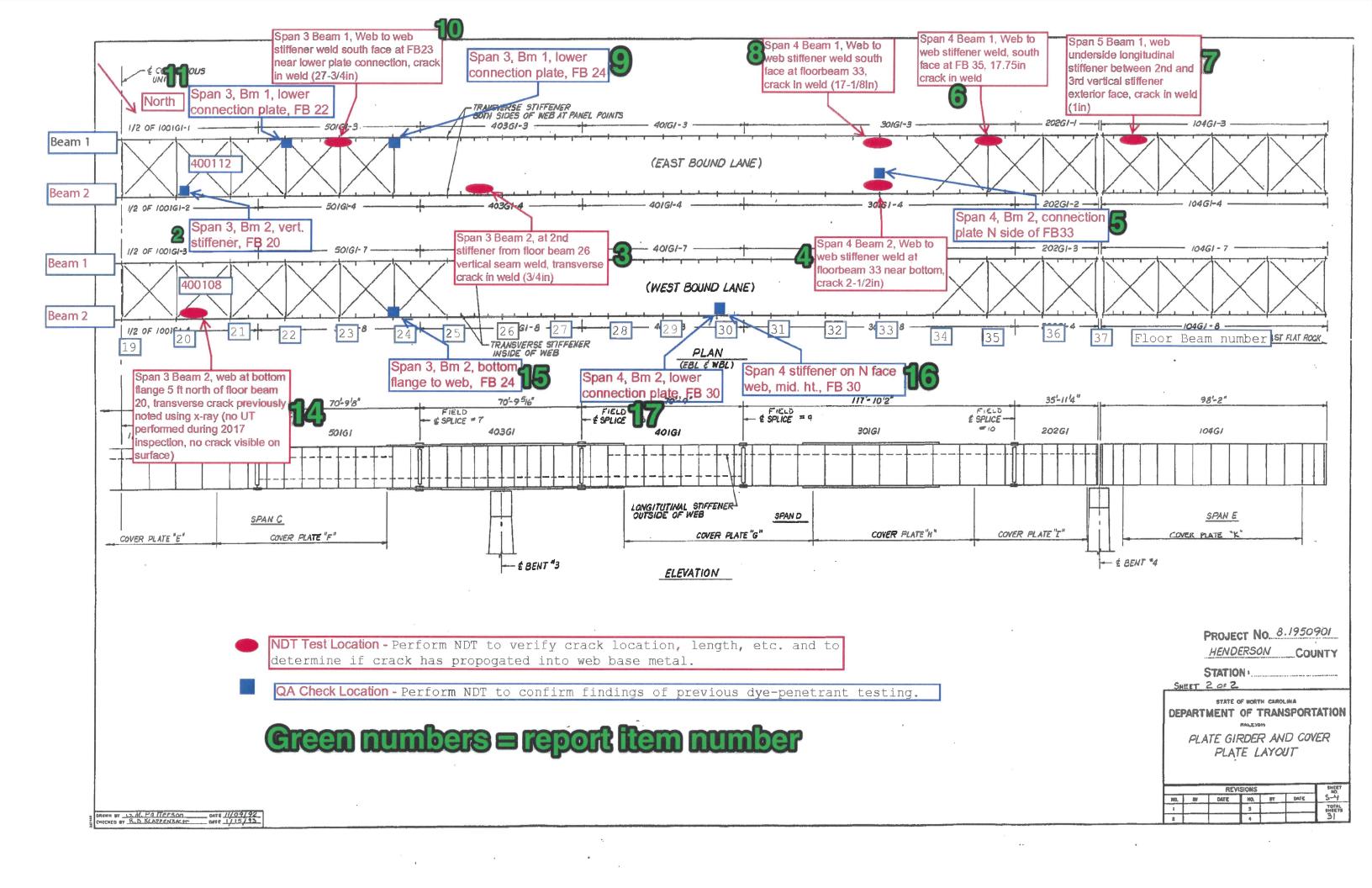


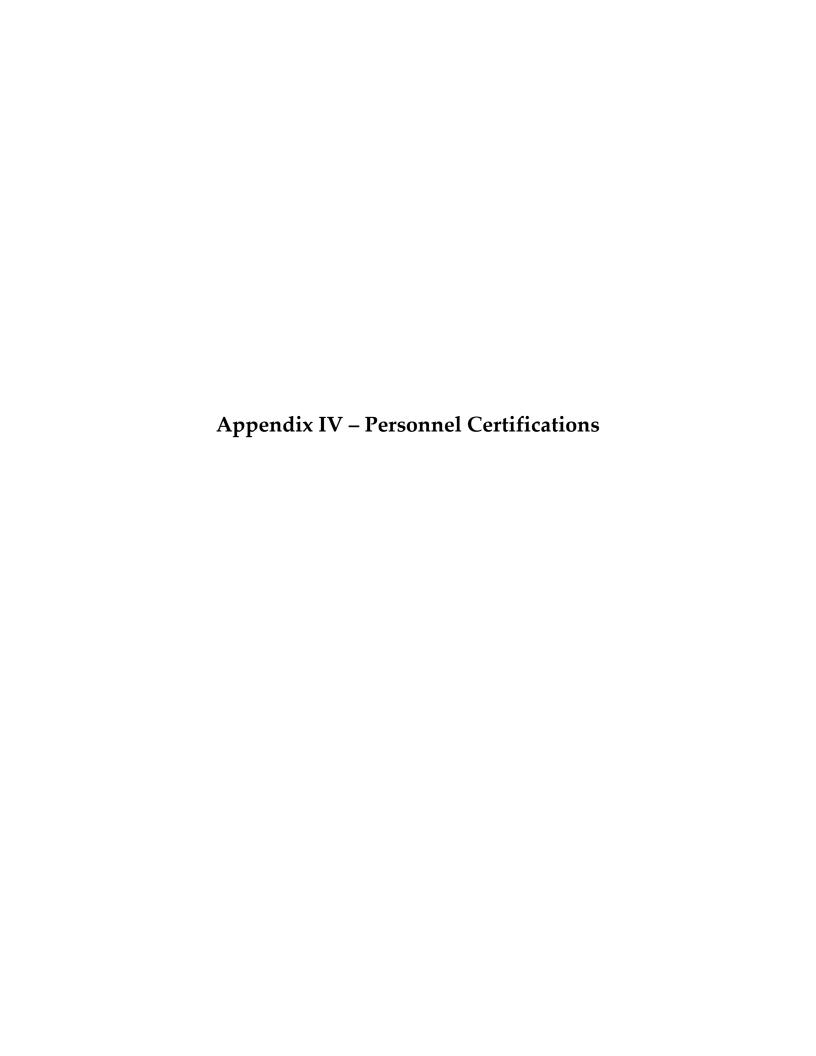














# American Welding Society®

Certifies that Welding Inspector

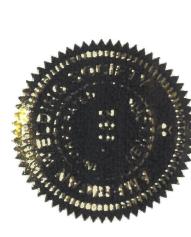
# Ryan Byerly

Standard for AWS Certification of Welding Inspectors has complied with the requirements of AWS QC1,

18079441

CERTIFICATE NUMBER

July 01, 2021



AWS PRESIDENT

0

AWS QUALIFICATION & CERTIFICATION COMMITTEE CHAIR

Form No: QA-M-PCR-01

Revision No. 1

Revision Date: 04/28/09 Reference: QAP-07-05

# PERSONNEL CERTIFICATION RECORD



	S&ME, Inc Raleigh	3201 Spring Ford	est Road Raleigh, NC 27	616		
Name:	Ryan Byerly		Date: 8/9/2016			
Position/Title:	Technician		Department: 2360			
Branch/Office:	Raleigh	Certi	ification Level: MT Level	II		
Section A: Educa	tion Verification: (Check hig	hest level of education	on verified)			
High scho Master's Degree			☐ Bachel	or's Degree 🗆		
School West	Forsyth High School		Dates:	2001-2005		
Major Gener	ral Studies		Time:	4 years		
Location Clem	mons, NC			The state of the s		
School			Dates:			
Major			Time:			
Location						
Section B: Exper						
Company: S&M			Dates:	9/9/2010-Present		
	etic Particle Testing Level II		Time:	5 years 11 months		
	gh, NC					
Company:			Dates:			
Level:			Time:			
Location Section C: Traini	ng Cahaal					
Company/School: S	MINISTER OF THE PROPERTY OF TH		Dates:	8/9/2013		
	AT Level II		Time:	8 hours		
	ington, North Carolina		Time.	o nours		
Company/School: S			Dates:	8/7/2013		
	MT Level I		Time:	12 hours		
	ington, North Carolina		Time.	12 110015		
Section D: Exami		2年10日中国国际公司	Care responding a face			
General: 80.00 Section E: Visual	% Specific: 92.50%	Practical: 90.00%	Total Composite (	Grade: 87.50%		
Near Vision:	Meets without eye correct	tion D M	feets with eye correction	Does not Meet		
Color Perception:	✓ Meets	1011 — 14.	Does not Meet	Does not Meet		
Section F: Comm			Does not weet			
Recertification due						
Section C: Approx	val					
Perry R. Ve		NDT Level III ion/Title	Forg RV	8/9/2016 Date		

Form No: QA-M-VER-02

Revision No. 2

# **VISUAL ACUITY - COLOR VISUAL**



Revision Date: 08/08/16

**EXAMINATION RECORD** 

Reference: Q	AP-07 <b>-</b> 05					Quali	ty Assurance
	S&ME, Inc	Raleigh 3201	Spring For	rest Road,	Raleigh	n, NC 27616	
Name:	Ryan Byerly	у		Γ	Date: 7/1	8/2018	
Position/Titl	e: NDE Techn	ician		Departm	nent: 236	50	
Branch/Offic	ce: S&ME Rale	eigh					
Section A:	Examination Perform	ed by S&ME, Inc	•				
	uity: Natural or correc twelve inches.	ted near vision - Je	ager Number	1 or equiva	lent type	and size letters	at a distance of
<b>V</b>	Meets without eye correction		Meets v			Does not Meet	
2. Color Pero	ception: Normal red/gre	een and blue/yellov	w differentiat	ion verified	with pse	udoisochromatic	plates.
	✓	Meets		Does not	Meet		
3. Examinee	refered to Medical Do	ctor or Optomitris	for further e	valuation.			
		Yes	<b>V</b>	No			
Remarks:							
Next Visual	Acuity Check due 7/31	/2019					
	at the above named ex						
	procedure, which den 1 W. Ogden Name	nonstrates the visu  ASNT NDE Lo  Position/Ti	evel III	es indicated	obøve, ii Signati		7/18/2018
	Examination conducte	THE RESERVE OF THE PARTY OF THE		etrist	Digitati	ire	Date
1. Near Visio	n: Ability to read Jages with at least one eye.		_		letters a	t a distance of no	ot less than
	Meets without eye correction		Meets w			Does not Meet	
2. Color Perce	eption: Normal red/gre	en and blue/yellov	differentiati	on.			
Remarks:		Meets		Does not?	Meet		
I certify that	the above named exam and 2 require	ninee has been adm ements above, and	inistered an that the resu	examination lts are as no	n to verif oted in Se	y the capabilities	s to meet No. 1
	Vame	Position/Tit	le	5	Signatu	re	Date
Perry	Approval  R. Vezina  Name	Company NDT I		Fi	J K Signatu	e Vz	7/18/2018 Date



# American Welding Society®

Certifies that Welding Inspector

# Mark W Powers

has complied with the requirements of AWS QC1, Standard for AWS Certification of Welding Inspectors

14020401

CERTIFICATE NUMBER

February 1 2020

**EXPIRATION DATE** 



DE Michael

AWS PRESIDENT

B. O. B. M. Re. AWS QUALIFICATION COMMITTEE CHAIR

Seongo Hefles

AWS CERTIFICATION COMMITTEE CHAIR

Form No: QA-M-PCR-01

Revision No. 1

Revision Date: 04/28/09 Reference: QAP-07-05

# PERSONNEL CERTIFICATION RECORD



S&ME, Inc. - Raleigh 3201 Spring Forest Road Raleigh, NC 27616 Name: Mark Powers Date: 1/5/2016 Position/Title: NDE Technician Department: 2360 Branch/Office: Raleigh Certification Level: MT Level II Section A: Education Verification: (Check highest level of education verified) High school V Associate's Degree Bachelor's Degree Master's Degree PHD Other: School South Brunswick High School Dates: 1986/1990 Major General Studies Time: 4 years Location Boiling Springs Lakes, North Carolina School Dates: Major Time: Location Section B: Experience S&ME Company: Dates: Jan. 2013- Present Level: Magnetic Particle Testing Level II Time: 3 years Raleigh, NC Location MQS Cooper Heat Company: Jan. 2003- Aug. 2007 Dates: Level: Magnetic Particle Testing Level II Time: 4 years 7 months Location Jacksonville, Florida Section C: Training School Company/School: United States Navy Dates: 8/26/1994 Level/Course: MT Level II Time: 12 hours Location NAS San Diego, California Company/School: United States Navy 7/17/1991 Dates: Level/Course: MT Level I Time: 8 hours Location NAS San Diego, California Section D: Examination (Grades) General: 87.50% **Specific:** 97.50% Practical: 96.00% **Total Composite Grade: 93.67%** Section E: Visual Examination: Near Vision: 1 Meets without eye correction Meets with eye correction Does not Meet Color Perception: Meets Does not Meet V Section F: Comments: Recertification due 01/05/19 Section C: Approval Perry R. Vezina Corporate NDT Level III 1/5/2016 Name Position/Title Date

Form No: QA-M-PCR-01

Revision No. 1

Revision Date: 04/28/09 Reference: QAP-07-05

# PERSONNEL CERTIFICATION RECORD



S&ME, Inc. - Raleigh 3201 Spring Forest Road Raleigh, NC 27616 Name: Mark Powers Date: 1/5/2016 Position/Title: NDE Technician Department: 2360 Branch/Office: Raleigh Certification Level: UT Level II Section A: Education Verification: (Check highest level of education verified) High school V Associate's Degree Bachelor's Degree Master's Degree П Other: School South Brunswick High School Dates: 1986/1990 Major General Studies Time: 4 years Location Boiling Springs Lakes, North Carolina School Dates: Major Time: Location Section B: Experience Company: S&ME Dates: Jan. 2013- Present Level: Ultrasonic Testing Level II Time: 3 years Location Raleigh, NC Company: MQS Cooper Heat Dates: Jan. 2003- Aug. 2007 Level: Ultrasonic Testing Level II Time: 4 years 7 months Location Jacksonville, Florida Section C: Training School Company/School: Krautkramer NDT Schools Dates: 7/24/1998 Level/Course: UT Level II Time: 40 hours Location Lewistown, Pennsylvania Company/School: Krautkramer NDT Schools Dates: 7/17/1998 Level/Course: UT Level I Time: 40 hours Location Lewistown, Pennsylvania Section D: Examination (Grades) General: 87.50% Specific: 92.50% Practical: 89.00% **Total Composite Grade:** 89.67% Section E: Visual Examination: Near Vision: Meets without eye correction Meets with eye correction Does not Meet Color Perception: Meets Does not Meet Section F: Comments: Recertification due 01/05/19 Certification meets ASME Section V, AWS D1.1, AWS D1.5, and AWS D1.8 requirements Section C: Approval Perry R. Vezina Corporate NDT Level III 1/5/2016 Name Position/Title

Form No: QA-M-VER-02

Revision No. 2

Revision Date: 08/08/16 Reference: QAP-07-05

# VISUAL ACUITY - COLOR VISUAL EXAMINATION RECORD



Quality Assurance

	S&ME, Inc C	orporate 3201 S	pring Fore	est Road, Kale	ign, NC 2/010	
Name:	Mark Power	S		Date: 1/	12/2018.	
Position/Title:	NDE Techni	cian		Department: 23	360	
Branch/Office:	S&ME Rale	igh				
Section A: Ex	amination Perform	ed by S&ME, Inc.				
1. Visual Acuity of not less than		ted near vision - Jage	er Number 1	or equivalent ty	pe and size letter	rs at a distance
Ø 1	Meets without eye correction		Meets with correction	•	Does not Meet	t
2. Color Percept	ion: Normal red/gre	een and blue/yellow o	lifferentiatio	n verified with	pseudoisochroma	itic plates.
	v	Meets		Does not Meet		
3. Examinee refe	ered to Medical Do	ctor or Optomitrist fo	r further evo	aluation.		
		Yes	<b>7</b>	No		
Remarks:	Next visual acuit	y check due 1/31/19				
					one of August Contains the special and the second contains the sec	
pre	ocedure, which dem	minee has been admi constrates the visual c				ye.
		ATTO ATT F	* FFF	1 18	1/	4/40/0040
Perry R.		Company NDT Lev	vel III	Siene	ture	1/12/2018  Date
Nan	ne	Position/Title		Signo	nure	1/12/2018 Date
Section B: Excel  1. Near Vision:	ne umination conducte		or Optomet	trist		Date
Section B: Exact 1. Near Vision: twelve inches with the section of	ne umination conducte Ability to read Jage	Position/Title ed by Medical Doctor	or Optomet	trist  e and size letter  eye		not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction	Position/Title ed by Medical Doctor r Number 1 (J1) or ea	or Optomet quivalent typ Meets with correction	trist  e and size letter  eye  on	s at a distance of	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction	Position/Title ed by Medical Doctor r Number 1 (J1) or ed	or Optomest quivalent typ Meets with correction	trist  e and size letter  eye  on	s at a distance of	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction	Position/Title  red by Medical Doctor  r Number 1 (J1) or ed  cen and blue/yellow d	or Optomest quivalent typ Meets with correction	trist  e and size letter  eye  on  n.	s at a distance of	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction	Position/Title  red by Medical Doctor  r Number 1 (J1) or ed  cen and blue/yellow d	or Optomest quivalent typ Meets with correction	trist  e and size letter  eye  on  n.	s at a distance of	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction ion: Normal red/gre	Position/Title ed by Medical Doctor r Number 1 (J1) or ed  cen and blue/yellow d Meets	or Optometronical desired from the correction of	trist  te and size letter  the eye   to n	rs at a distance of  Does not Meet	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction ion: Normal red/gre	Position/Title  red by Medical Doctor  r Number 1 (J1) or ed  cen and blue/yellow d	Meets with correction I	trist  e and size letter  e eye  n eye  n  n  n  Does not Meet	s at a distance of  Does not Meet	not less than
Nam Section B: Exa  1. Near Vision: It twelve inches with twelve inches with twelve inches with the section of	Ability to read Jage ith at least one eye. Meets without eye correction ion: Normal red/gre	Position/Title ed by Medical Doctor r Number 1 (J1) or ed een and blue/yellow d Meets  minee has been admin	Meets with correction I	trist  the and size letter  the eye    the point    the p	s at a distance of  Does not Meet  erify the capabiling Section B.	not less than
Name Name Name Name Name Name Name Name	Ability to read Jage ith at least one eye. Meets without eye correction ion: Normal red/gree above named examed 1 and 2 requires	Position/Title  ed by Medical Doctor  r Number 1 (J1) or ed  een and blue/yellow d  Meets  minee has been admin	Meets with correction ifferentiation is tered an exat the results	trist  e and size letter  e eye  n eye  n  n  n  Does not Meet	s at a distance of  Does not Meet  erify the capabiling Section B.	not less than