

TABLE OF END WEDGE MACHINERY COMPONENTS							
PIECE	NAME	QNTY.	DESCRIPTION OF WORK	MATERIAL	DESIGNATION	SUPPLEMENTAL REQUIREMENT	REMARKS
361	END WEDGE CONNECTION ROD	4	REPLACE EXISTING CONNECTION ROD	FORGED STEEL	ASTM A 668 CL. G	N/A	SEE NOTE 1
362	END WEDGE CONNECTION ROD	4	REPLACE EXISTING CONNECTION ROD	FORGED STEEL	ASTM A 668 CL. G	N/A	SEE NOTE 1
363	BUSHING FOR 362	4	REPLACE EXISTING BUSHINGS	CAST BRONZE	ASTM B 22 C91100	N/A	SEE NOTE 1
364	END WEDGE LEVER	4	REHABILITATE EXISTING LEVER	N/A	N/A	N/A	SEE NOTE 6
365	KEY FOR 364	2	REPLACE EXISTING KEYS	FORGED STEEL	ASTM A 668 CL. K	N/A	SEE NOTE 1
366	END WEDGE LEVER	4	REHABILITATE EXISTING LEVER	N/A	N/A	N/A	SEE NOTE 6
367	KEY FOR 366	4	REPLACE EXISTING KEYS	FORGED STEEL	ASTM A 668 CL. K	N/A	SEE NOTE 1
368	SET SCREW FOR 364 AND 366	8	REPLACE EXISTING HARDWARE	STEEL	ASTM F 912	N/A	SEE NOTES 1, 3 AND 4
369	PIN FOR 366, 364, 361, 366	12	REHABILITATE EXISTING PIN	N/A	N/A	N/A	SEE NOTE 6
370	COTTER PIN FOR 369	24	REPLACE EXISTING HARDWARE	STAINLESS STEEL	ASTM A 276, TYPE 316	N/A	SEE NOTE 1
371	KEY FOR 364	2	REPLACE EXISTING KEYS	FORGED STEEL	ASTM A 668 CL. K	N/A	SEE NOTE 1
375A	END WEDGE JACK SHAFT	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-9
376A	END WEDGE JACK SHAFT	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-9
377	END WEDGE JACK SHAFT	2	REHABILITATE EXISTING SHAFT	N/A	N/A	N/A	SEE NOTE 6
378	END WEDGE JACK SHAFT BEARING	4	REHABILITATE EXISTING BEARING	N/A	N/A	N/A	SEE NOTE 5
379	BUSHING FOR 378	8	REPLACE EXISTING BUSHINGS	CAST BRONZE	ASTM B 22 C91100	N/A	SEE NOTES 1 AND X
380	BASE BOLT FOR 378	24	REPLACE EXISTING HARDWARE	STEEL	ASTM A 449	N/A	SEE NOTES 1, 3 AND 4
381	SHIM FOR 378	4-SETS	REPLACE EXISTING SHIMS	STAINLESS STEEL	ASTM A 240	N/A	SEE NOTES 1 AND 2
382	SCREW FOR 379	32	REPLACE EXISTING HARDWARE	SILICON BRONZE	N/A	N/A	SEE NOTE 1
411A	LONG. SHAFT COLLAR BRG. - HOUSING	15	REPLACE EXISTING HOUSING WITH SIMILAR	STR. STEEL	ASTM A 36	N/A	SEE DETAIL SHT. NO. M-12
411B	LONG. SHAFT COLLAR BRG. - BUSHING	15	REPLACE EXISTING BUSHING WITH SIMILAR	CAST BRONZE	ASTM B 22 C93700	N/A	SEE DETAIL SHT. NO. M-12
414A	LONG. SHAFT BEARING - HOUSING	11	REPLACE EXISTING HOUSING WITH SIMILAR	STR. STEEL	ASTM A 36	N/A	SEE DETAIL SHT. NO. M-12
414B	LONG. SHAFT BEARING - BUSHING	11	REPLACE EXISTING BUSHING WITH SIMILAR	CAST BRONZE	ASTM B 22 C93700	N/A	SEE DETAIL SHT. NO. M-12
415A	CAP FOR 414A - HOUSING	11	REPLACE EXISTING HOUSING WITH SIMILAR	STR. STEEL	ASTM A 36	N/A	SEE DETAIL SHT. NO. M-12
415B	CAP FOR 414A - BUSHING	11	REPLACE EXISTING BUSHING WITH SIMILAR	CAST BRONZE	ASTM B 22 C93700	N/A	SEE DETAIL SHT. NO. M-12
N/A	LONGITUDINAL SHAFT-S1 (FLOATING)	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
N/A	LONGITUDINAL SHAFT-S2	6	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-12
N/A	LONGITUDINAL SHAFT-S3 (FLOATING)	6	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
N/A	LONGITUDINAL SHAFT-S4	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-12
N/A	LONGITUDINAL SHAFT-S5 (FLOATING)	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
N/A	LONGITUDINAL SHAFT-S6 (FLOATING)	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
N/A	LONGITUDINAL SHAFT-S7	5	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-12
N/A	LONGITUDINAL SHAFT-S8 (FLOATING)	5	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
N/A	LONGITUDINAL SHAFT-S9	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-12
N/A	LONGITUDINAL SHAFT-S10 (FLOATING)	1	REPLACE EXISTING SHAFT	FORGED STEEL	ASTM A 434 CL. BC	N/A	SEE DETAIL SHT. NO. M-11
446A	COLLAR FOR SHAFTS-S2, S4, S7 AND S9	26	NEW SET SCREW SHAFT COLLAR FOR 2 1/2" DIAMETER, TYPE 303 STAINLESS STEEL	MCMMASTER-CARR PART NO. 6462K47 (OR APPROVED EQUAL)			COMMERCIAL
479	LATCH LEVER	2	REHABILITATE EXISTING LEVER	N/A	N/A	N/A	SEE NOTE 6
480	KEY FOR 479	2	REPLACE EXISTING KEYS	FORGED STEEL	ASTM A 668 CL. K	N/A	SEE NOTE 1
481	SET SCREW FOR 479	2	REPLACE EXISTING HARDWARE	STEEL	ASTM F 912	N/A	SEE NOTES 1, 3 AND 4
500A	E.W. JACK SHAFT BEARING - HOUSING	2	REPLACE EXISTING HOUSING WITH SIMILAR	STR. STEEL	ASTM A 36	N/A	SEE DETAIL SHT. NO. M-9
500B	E.W. JACK SHAFT BEARING - BUSHING	2	REPLACE EXISTING BUSHING WITH SIMILAR	CAST BRONZE	ASTM B 22 C93700	N/A	SEE DETAIL SHT. NO. M-9
501A	CAP FOR 500A - HOUSING	2	REPLACE EXISTING HOUSING WITH SIMILAR	STR. STEEL	ASTM A 36	N/A	SEE DETAIL SHT. NO. M-9
501B	CAP FOR 500 A - BUSHING	2	REPLACE EXISTING BUSHING WITH SIMILAR	CAST BRONZE	ASTM B 22 C93700	N/A	SEE DETAIL SHT. NO. M-9

END WEDGE MACHINERY REHABILITATION NOTES:

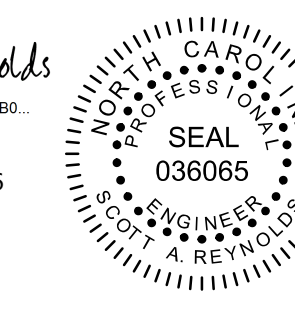
- EXISTING PIECE(S) SHALL BE REMOVED AND REPLACED IN-KIND. THE IN-KIND REPLACEMENT PIECE(S) SHALL BE DETAILED USING DIMENSIONAL INFORMATION SHOWN ON THE ORIGINAL SHOP DRAWINGS AND MATERIAL INFORMATION SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE DIMENSIONAL INFORMATION BY MEASURING EXISTING PIECE(S) PRIOR TO SUBMITTING SHOP DRAWINGS.
- UNLESS NOTED OTHERWISE, ALL IN-KIND REPLACEMENT PIECES, REHABILITATED PIECES AND NEW PIECES SHALL BE PROVIDED WITH NEW SHIMS. SHIMS SHALL PROVIDE FOR PROPER ALIGNMENT OF MATING PIECES.
- UNLESS NOTED OTHERWISE, ALL IN-KIND REPLACEMENT PIECES, REHABILITATED PIECES AND NEW PIECES SHALL BE PROVIDED WITH NEW HARDWARE. HARDWARE SHALL PROVIDE FOR PROPER MOUNTING.
- HARDWARE FOR IN-KIND REPLACEMENT PIECES AND REHABILITATED PIECES SHALL COMPLEMENT THE REQUIREMENTS OF THE ORIGINAL SHOP DRAWINGS. HARDWARE FOR NEW PIECES SHALL BE PER THE GENERAL MACHINERY NOTES AND GENERAL BRIDGE MACHINERY SPECIFICATION.
- REHABILITATION OF JACK SHAFT BEARINGS SHALL INCLUDE REMOVAL AND TRANSPORTATION TO A QUALIFIED MACHINE SHOP, DISASSEMBLY AND CLEANING OF ALL SURFACES FOR SHOP INSPECTION, REPLACEMENT OF EXISTING BUSHINGS, SHOP PAINTING AND REASSEMBLY IN THE FIELD WITH NEW HARDWARE.
- REHABILITATION OF GUIDES, PINS, CRANKS, LEVERS, ETC. SHALL INCLUDE CLEANING OF ALL SURFACES FOR INSPECTION, ADJUSTMENT FOR PROPER ALIGNMENT, PREPARATION OF EXPOSED SURFACES FOR PAINTING, PAINTING AND REASSEMBLY WITH MATING PIECES. WHEN APPLICABLE, THE CONTRACTOR SHALL COORDINATE MATING DIMENSIONS OF NEW (REPLACEMENT) PIECES WITH EXISTING (REHABILITATED) PIECES.

TABLE OF NEW END WEDGE MACHINERY COUPLINGS											
MARK	QNTY.	SIZE	TORQUE RATING IN-KIPS	TYPE	DRIVING HALF			DRIVEN HALF			MANUFACTURER
					NOMINAL BORE, IN.	KEY IN. x IN.	R = RIGID F = FLEX	KEY IN. x IN.	NOMINAL BORE, IN.		
C6	4	1040G81	270.9	RIGID GEAR	4	1 x 1	R	R	1 X 1	4	FALK CORPORATION
C7	2	1020G51	37.8	SINGLE ENGAGE. GEAR	2 1/2	5/8 X 5/8	F	R	5/8 X 5/8	2 1/2	FALK CORPORATION
C8	13	1020G51	37.8	SINGLE ENGAGE. GEAR	2 1/2	5/8 X 5/8	R	F	5/8 X 5/8	2 1/2	FALK CORPORATION
C9	13	1020G51	37.8	SINGLE ENGAGE. GEAR	2 1/2	5/8 X 5/8	F	R	5/8 X 5/8	2 1/2	FALK CORPORATION
C10	1	1020G51	37.8	SINGLE ENGAGE. GEAR	*	*	R	F	5/8 X 5/8	2 1/2	FALK CORPORATION
C11	1	1020G51	37.8	SINGLE ENGAGE. GEAR	2 1/2	5/8 X 5/8	R	F	5/8 X 5/8	2 1/2	FALK CORPORATION
C12	1	1025G10	66.15	DOUBLE ENGAGE. GEAR	*	*	F	F	5/8 X 5/8	2 1/2	FALK CORPORATION
C13	1	1040T10	2.2	STEEFLEX	*	*	F	F	*	*	FALK CORPORATION

* DESIGNATES SIZE TO MATCH COMMERCIAL COMPONENT SHAFT

PROJECT NO. B-5936
TYRRELL COUNTY
BRIDGE NO: 7

DocuSigned by:
Scott Reynolds
SFEC5720F148B...



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TABLE OF END WEDGE MACHINERY COMPONENTS II

ALLIGATOR RIVER SWING SPAN

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			M-14
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DWG NUMBER	TOTAL DWGS
81	90

TOTAL SHEETS 23

DRAWN BY: JAG/MS DATE: 8/8/2016
CHECKED BY: GAF/RH DATE: 8/8/2016
DESIGN ENGINEER OF RECORD: JAG/MS DATE: 8/8/2016