

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.1. 70	*	ST. CLAIR	99	43
FED. ROAD DIST. NO. 7	S. 111015	FED. AID PROJECT- 1M-78		

\* 62-3HVB-3R-5 SHEET S-22 OF S-56  
 CONTRACT NO. 76985

**SUPERSTRUCTURE BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	92	#4	17'-2"	
a <sub>1</sub> (E)	92	#4	23'-0"	
a <sub>350</sub> (E)	28	#5	2'-0"	
a <sub>351</sub> (E)	28	#5	3'-0"	
b(E)	70	#5	40'-0"	
b <sub>3</sub> (E)	28	#5	40'-0"	
b <sub>6</sub> (E)	14	#6	40'-0"	
b <sub>16</sub> (E)	5	#5	32'-3"	
b <sub>17</sub> (E)	5	#5	31'-5"	
b <sub>18</sub> (E)	2	#5	32'-3"	
b <sub>19</sub> (E)	2	#5	31'-5"	
b <sub>40</sub> (E)	120	#4	31'-10"	
d(E)	650	#5	3'-0"	
d <sub>1</sub> (E)	650	#5	2'-7"	
d <sub>2</sub> (E)	650	#4	3'-0"	
d <sub>4</sub> (E)	650	#4	2'-10"	
e <sub>120</sub> (E)	72	#4	35'-0"	
e <sub>121</sub> (E)	48	#4	14'-9"	
e <sub>122</sub> (E)	12	#4	10'-0"	
e <sub>123</sub> (E)	6	#4	9'-10"	
e <sub>124</sub> (E)	6	#4	16'-3"	
e <sub>125</sub> (E)	6	#4	16'-1"	
e <sub>126</sub> (E)	6	#4	10'-2"	
e <sub>127</sub> (E)	24	#5	35'-0"	
e <sub>128</sub> (E)	16	#5	14'-9"	
e <sub>129</sub> (E)	4	#5	11'-0"	
e <sub>130</sub> (E)	2	#5	10'-10"	
e <sub>131</sub> (E)	2	#5	17'-3"	
e <sub>132</sub> (E)	2	#5	17'-1"	
e <sub>133</sub> (E)	2	#5	11'-2"	
e <sub>134</sub> (E)	24	#8	35'-0"	
e <sub>135</sub> (E)	16	#8	14'-9"	
e <sub>136</sub> (E)	4	#8	15'-8"	
e <sub>137</sub> (E)	2	#8	15'-6"	
e <sub>138</sub> (E)	2	#8	21'-11"	
e <sub>139</sub> (E)	2	#8	21'-9"	
e <sub>140</sub> (E)	2	#8	15'-10"	
Reinforcement Bars, Epoxy Coated	Pound		24,050	
Bar Splicer	Ea.		92	
Concrete Removal	Cu. Yd.		163.7	
Concrete Superstructure	Cu. Yd.		151.5	
Hot Mix Asphalt Surface Removal (Deck)	Sq. Yd.		1,355	
Bridge Deck Hydro-Scarification - 1/2"	Sq. Yd.		999	
Bridge Deck Hydro-Scarification - 2"	Sq. Yd.		356	
Bridge Deck Microsilica Concrete Overlay - 2 1/2"	Sq. Yd.		1,088	
Bridge Deck Microsilica Concrete Overlay - 4"	Sq. Yd.		397	
Drainage Scuppers - DS12	Ea.		7	
Protective Coat	Sq. Yd.		1,969	
Bridge Deck Grooving	Sq. Yd.		1,485	

Reinforcement bars designated (E) shall be epoxy coated.

**DECK & PARAPET REPAIRS - SPANS A38 - A40**

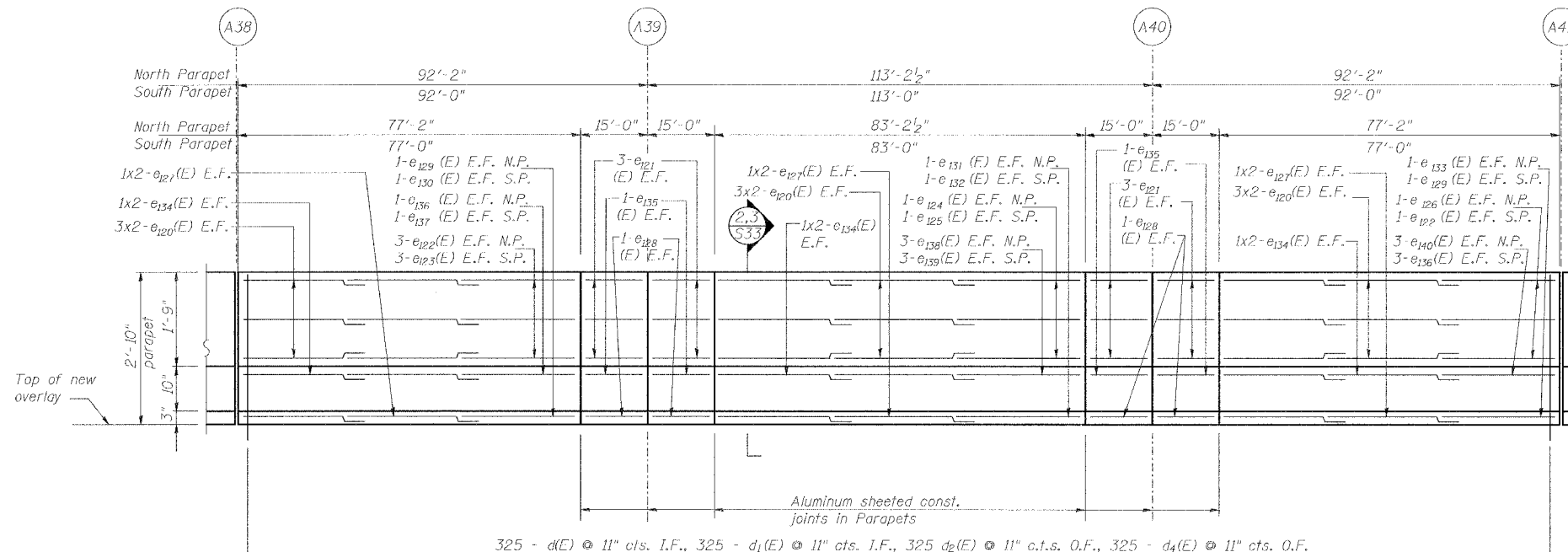
REVISIONS	
NAME	DATE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 REHABILITATION AND RETROFIT REPAIRS  
 FAI ROUTE 70  
 POPLAR STREET BRIDGE APPROACHES  
 ST. CLAIR COUNTY

STRUCTURE NO. 082 0141 (ROADWAY A)  
 SCALE: N.T.S.  
 DATE: 02/01/2007

Note:  
 Cut bars in field to fit variable width of deck

Reinforcement bars designated (E) shall be epoxy coated.



**INSIDE ELEVATION OF NORTH PARAPET**

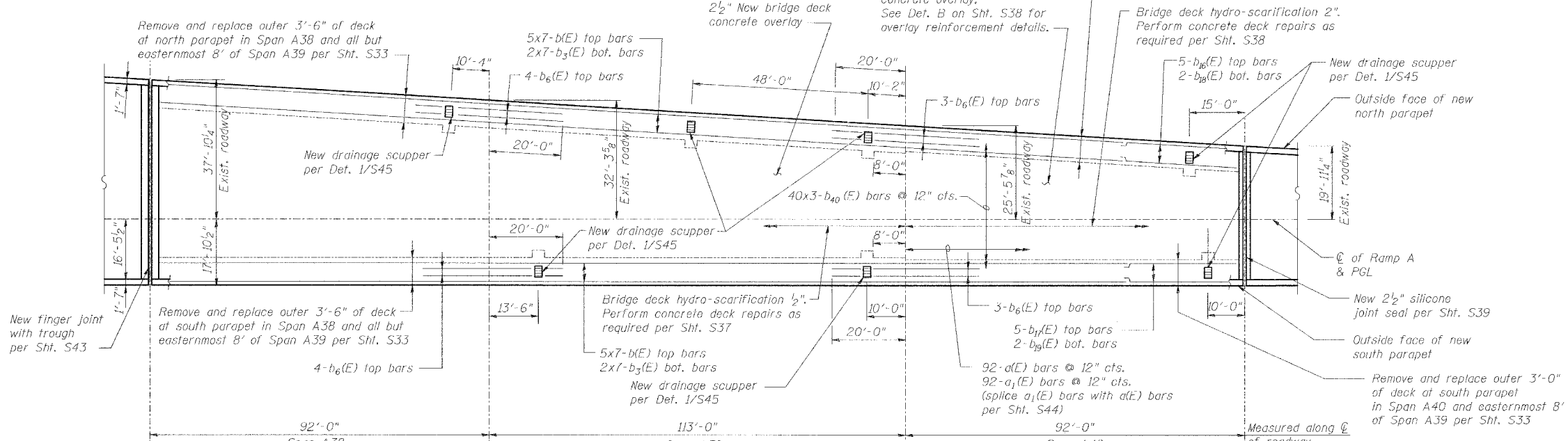
South parapet similar except as noted  
 All dimensions measured along bottom of inside face of parapet  
 E.F. indicates each face  
 I.F. indicates inside face  
 O.F. indicates outside face

Min Bar Laps	
#4	1'-8"
#5	2'-2"
#6	2'-7"
#8	4'-6"

Remove and replace outer 3'-0" of deck at north parapet in Span A40 and easternmost 8' of Span A39 per S33

4" New bridge deck concrete overlay. See Det. B on Sht. S38 for overlay reinforcement details.

Bridge deck hydro-scarification 2". Perform concrete deck repairs as required per Sht. S38



**DECK PLAN OF SPANS A38 - A40**

DATE: 1/26/2007  
 FILENAME: P:\2001\2001-1800\2001.12.40\Drawing\Roadway\Rehab\_A1\Remedy\A\parapet-deck\_A.DWG

DESIGNED	JPD
CHECKED	JEL
DRAWN	CLK
CHECKED	JPD