ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A. U. 5952	①	GRUNDY	52	35
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S5 OF S14 SHEETS

① G-BR-1 66563

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

88-#5 c_1(E) bars at 12" cts. Top of sidewalk (Ea. Side)
88-#5 c(E) bars at 12" cts. Inside face of sidewalk (Ea. Side)
9 x 3-#5 b_8 (E) bars at ±12" cts. Top of Sidewalk
1 x 3-#5 b_8 (E) bars at Bottom of Sidewalk
Aluminum sheeted const. joints in parapet
84-#5 a_3 (E) bars at ±12" cts. Top
84-#5 a_4 (E) bars at ±12" cts. Bottom
*4-#5 a_7(E) bars at ±12" cts. Top & Bottom
6°00'
℄ Pier 1 Sta. 557+16.81
℄ Pier 2 Sta. 557+49.81
Bk. W. Abut. Sta. 556+89.06
Bk. E. Abut. Sta. 557+77.56
℄ U.S. Route 6 & P.G.L.
25-#5a_5(E) bars at 12" cts. Bottom of each Drop Beam, Spans 1 & 3
31-#5a_5(E) bars at 12" cts. Bottom of each Drop Beam, Span 2
87-#5a_1 (E) bars at ±12" cts. Top
87-#5a_2 (E) bars at ±12" cts. Bott.
1-#5 a_1 (E) bar T & B Ea. End
Long. Bonded Stage Const. Jt.
88-Bar Splicers (E) for #5a(E) at 12" cts., Top and Bott.
24-#4 s_4(E) bars @ 12" cts ea. pier, alt. w/ s_1(E), typ. both sides of ℄
2-#5a_4(E) bars bottom of haunch
See Open Joint Detail for Additional Bottom Bars
3-#5a_1(E) bars bottom of haunch
3-#5a(E) bars bottom of haunch
3-#5a_3(E) bars bottom of haunch
2-#5a_3(E) bars bottom of haunch
2-#5a(E) bars bottom of haunch
2-#5 a_8(E) bars at bott. haunch ea. side of ℄ cut bars as req'd. at stage constr. jt.
85-#5 a(E) bars at ±12" cts. Top & Bottom
* 3-#5 a_6(E) bars at ±12" cts. Top & Bottom
85 Bar Splicers (E) for #5 b_7(E) bars. Each End

11-#5 b_7(E) bars ### at 12" cts. Top of slab Span 1 & 3
42-#5 b_7(E) bars at 12" cts. Top of slab Span 1 & 3
10-#8b_1(E) *** 41-#8 b_1(E) bars at 12" cts. Top of slab centered over piers
11-#8b(E) ** 42-#8 b(E) bars at 12" cts. Top of slab over piers
11-#5b_6(E) ## 42-#5 b_6 (E) bars at 12" cts. Top of slab
9-#7b_3(E) **** 40-#7 b_3 (E) bars at 12" cts. Bottom of slab
8-#7b_2(E) **** 39-#7 b_2 (E) bars at 12" cts. Bottom of slab
42-#5 s_1 (E) bars at 12" cts. at each pier
40-#7 b_5(E) bars at 12" cts. Bottom of slab, Span 1 & 3
39-#7 b_4(E) bars at 12" cts. Bottom of slab, Span 1 & 3
42-#5a(E) bars at 12" cts. at each Abutment
9-#7b_5(E) # 8-#7b_4(E) #
11-#5a(E) bars at 12" cts. at each Abut.
32-#5 b_7(E) bars at 12" cts., Top of slab Span 1 & 3
31-#8 b_1(E) bars at 12" cts. Top of slab centered over piers
32-#8 b(E) bars at 12" cts. Top of slab over piers
32-#5 b_6(E) bars at 12" cts. Top of slab
32-#7 b_3(E) bars at 12" cts. Bottom of slab 31-#7 b_2(E) bars at 12" cts. Bottom of slab
32-#5s_1(E) bars at 12" cts. at each Pier
11-#5s_1(E) bars at 12" cts. at each Pier
32-#7 b_5(E) bars at 12" cts. Bottom of slab Span 1 &3
31-#7 b_4(E) bars at 12" cts. Bottom of slab Span 1 & 3
32-#5a(E) bars at 12" cts. at each Abutment

83'-0" Out to Out Deck
51'-6" Stage 2 Construction
31'-6" Stage 1 Construction
67'-0" Curb to Curb of Sdwk.
1'-0" Sdwk.
7'-0" Sdwk.
10'-0"
1'-0"

12'-2" 15'-1" 27'-3" Span 1 33'-0" Span 2 27'-3" Span 3
87'-6" End to End Deck

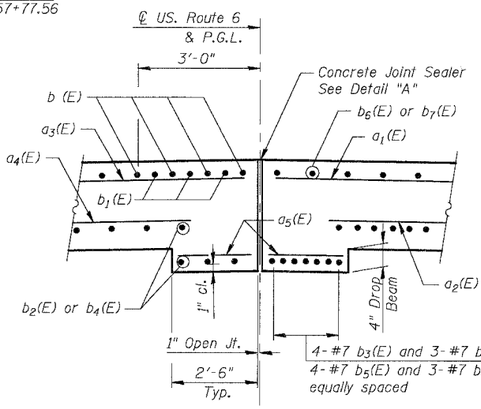
PLAN

Notes: See Sheet S6 of S14 for Sections A-A, B-B, superstructure details, and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicate 20 lines of bars with 3 lengths per line.
See Sheet S6 of S14 for parapet reinforcement.
Space bars as necessary to miss floor drains.
For floor drain locations see sheet S1.

** bars at 12" cts. Top of slab over piers
*** bars at 12" cts. Top of slab centered over piers
**** bars at 12" cts. Bottom of slab Span 2
# bars at 12" cts. Bottom of slab Spans 1 and 3
bars at 12" cts. Top of slab Span 2
bars at 12" cts. Top of slab Spans 1 and 3

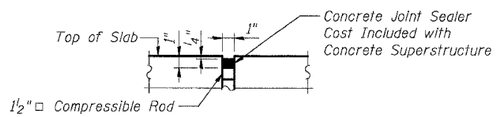
MIN. BAR LAP

#5	2'-2"
#8	4'-10"



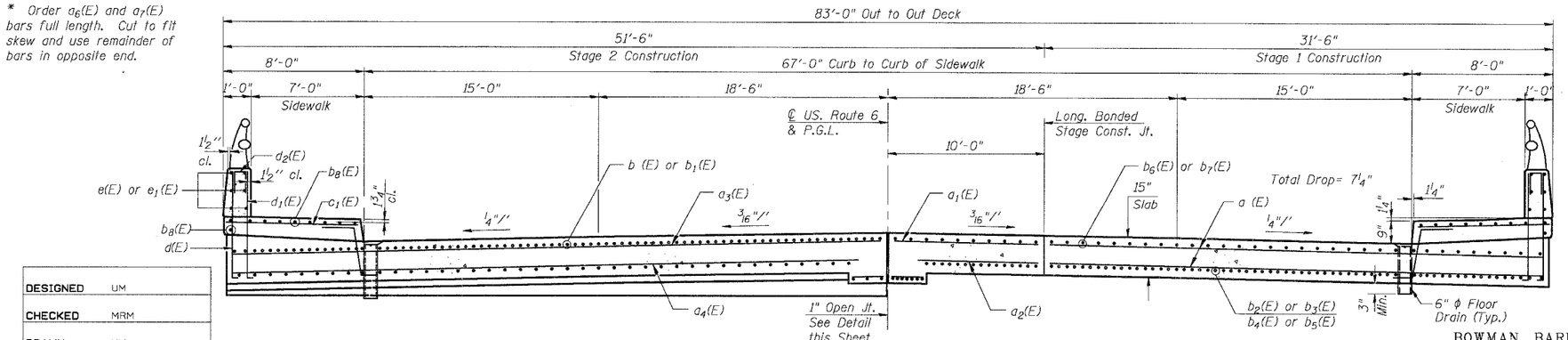
NEAR PIER NEAR MIDSPAN

OPEN JOINT DETAIL
(Looking Upstation)



DETAIL "A"

* Order a_6(E) and a_7(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.



NEAR PIER NEAR MIDSPAN

CROSS SECTION
(Looking Upstation)

DESIGNED	UM
CHECKED	MRM
DRAWN	UM
CHECKED	BLU

DATE: 10/25/05

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

SUPERSTRUCTURE PLAN
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

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