SIGN NAMING CONVENTION

XX-XX-XX

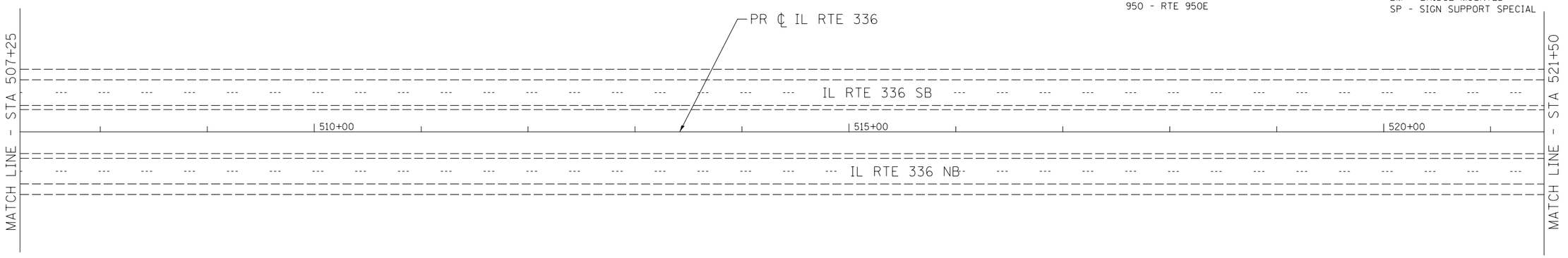
STREET — SIGN NUMBER

SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

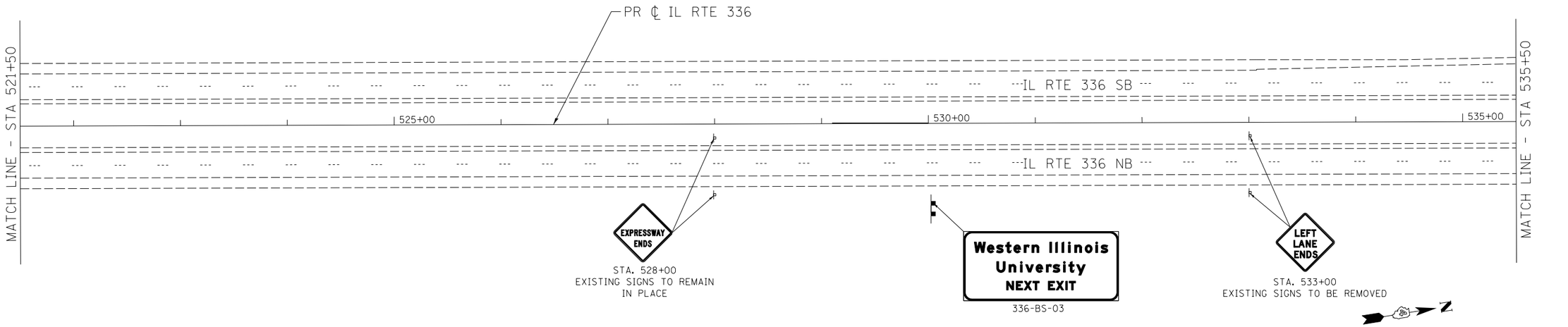
C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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	DRAWN - RC	REVISED -
PLOT SCALE = 1:100	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 3 OF 25 SHEETS | STA. 507+25 TO STA. 535+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	301
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
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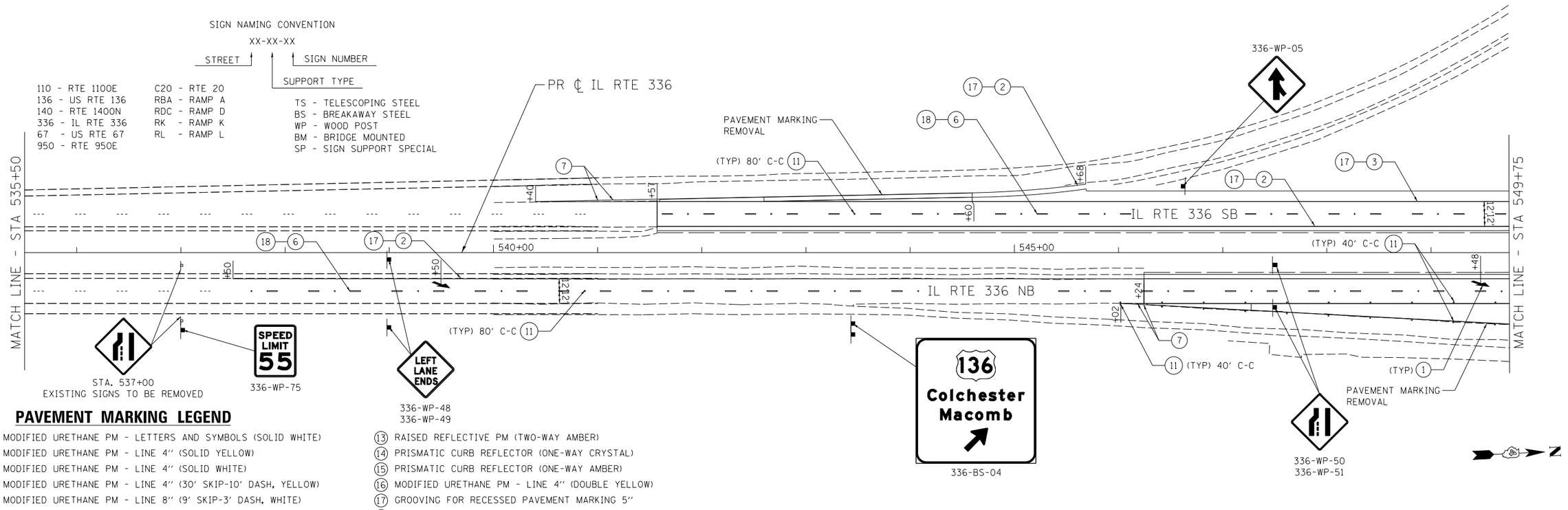
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
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11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
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17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
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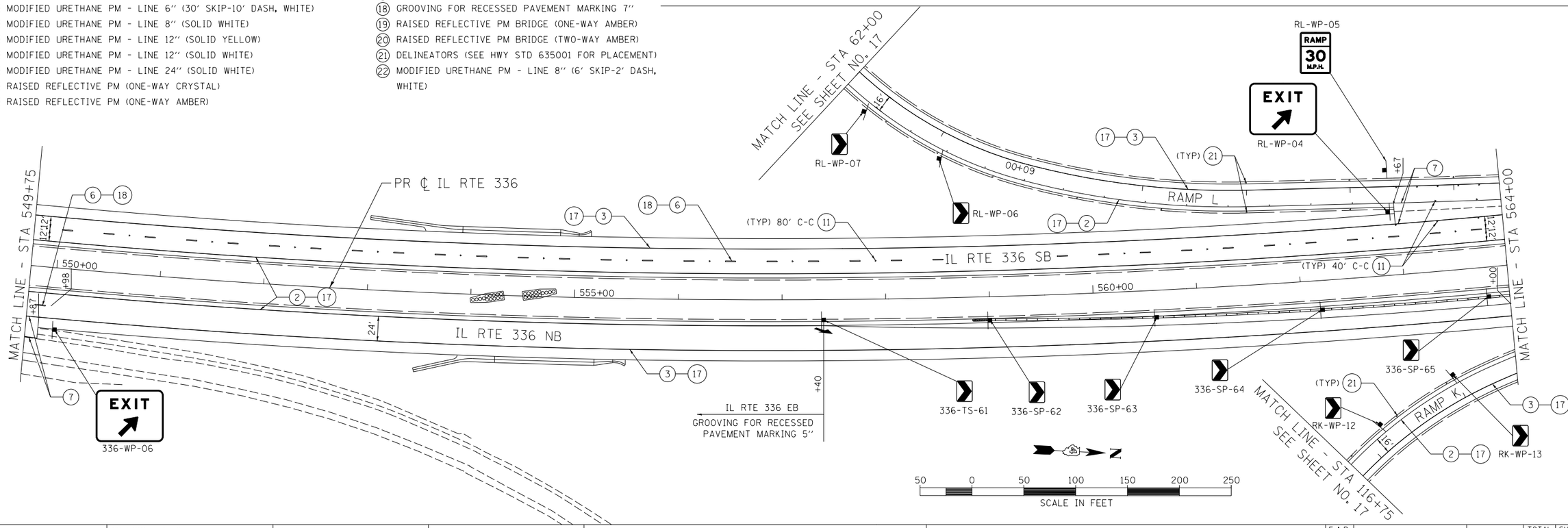
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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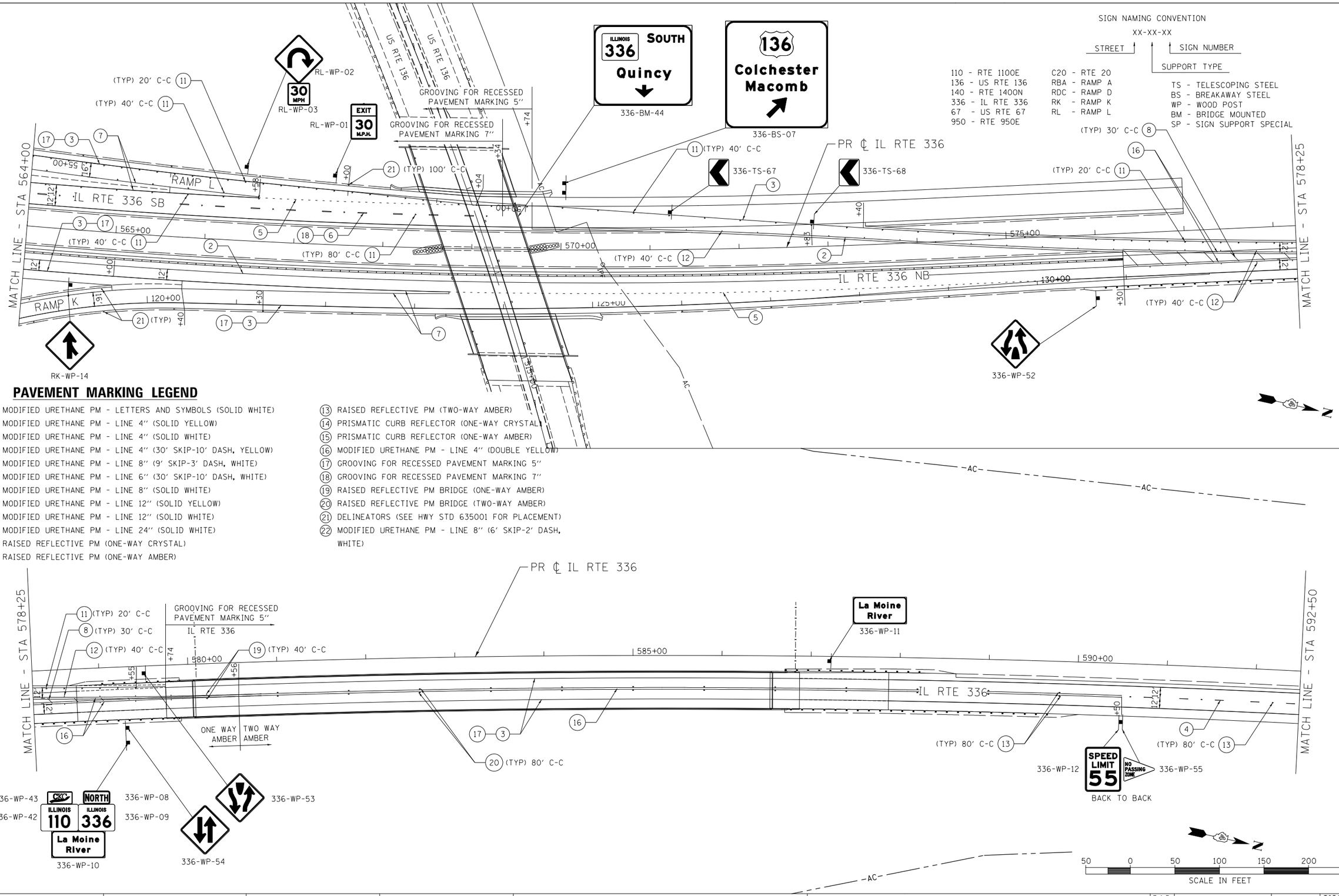
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 4 OF 25 SHEETS | STA. 535+50 TO STA. 564+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	302
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
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7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
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11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 5 OF 25 SHEETS | STA. 564+00 TO STA. 592+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2)J	MCDONOUGH	874	303
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

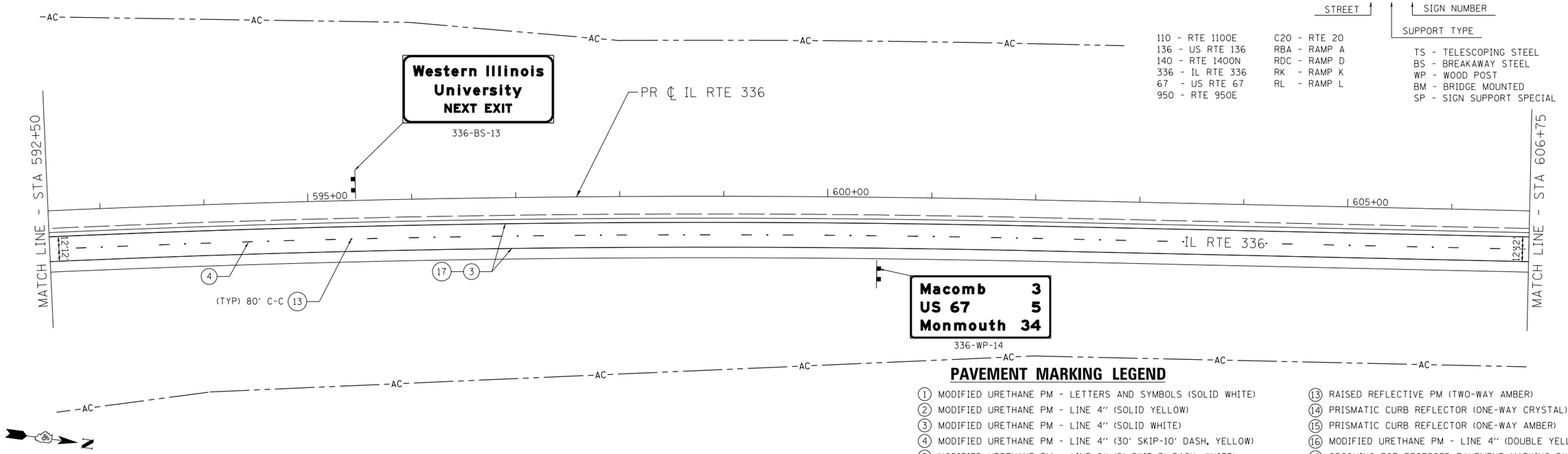
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4'' (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4'' (SOLID WHITE)
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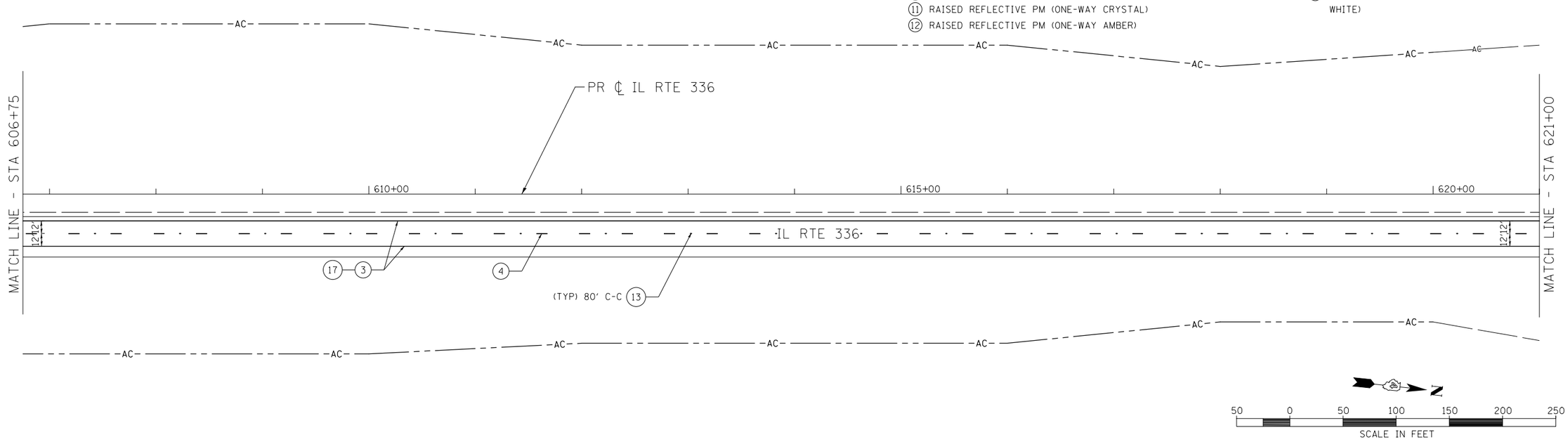
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8'' (6' SKIP-2' DASH, WHITE)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 6 OF 25 SHEETS | STA. 592+50 TO STA. 621+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2)J	MCDONOUGH	874	304
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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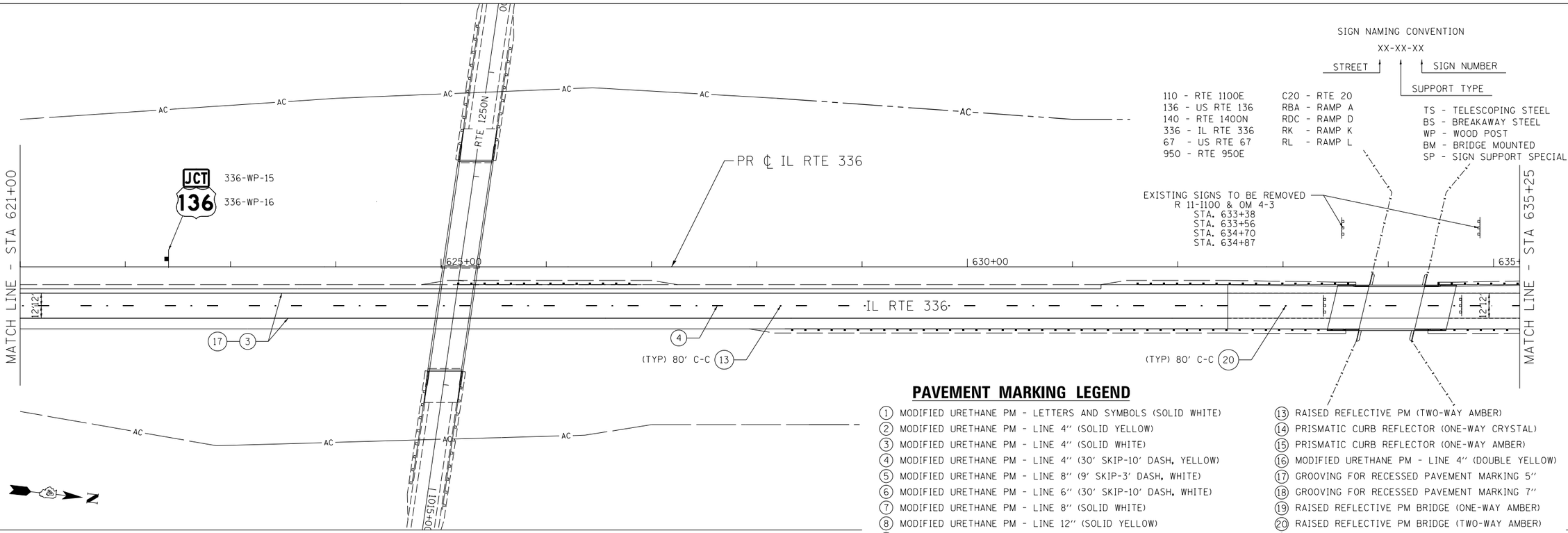

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 7 OF 25 SHEETS | STA. 621+00 TO STA. 649+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	305
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

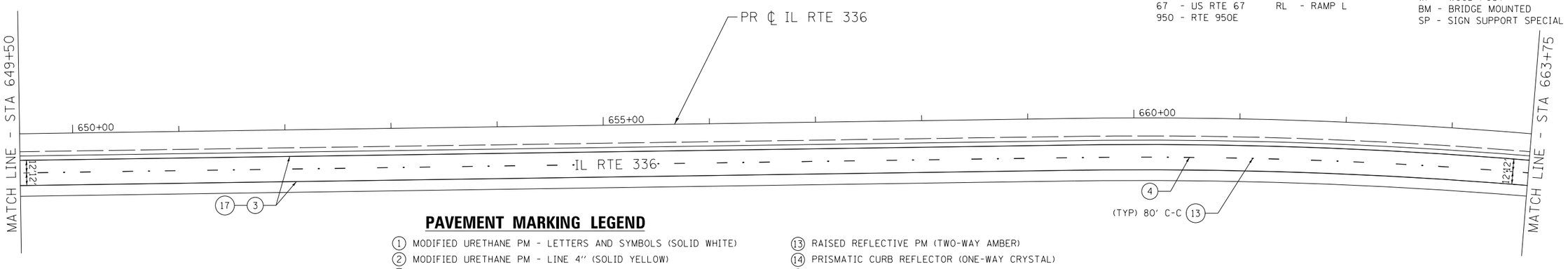
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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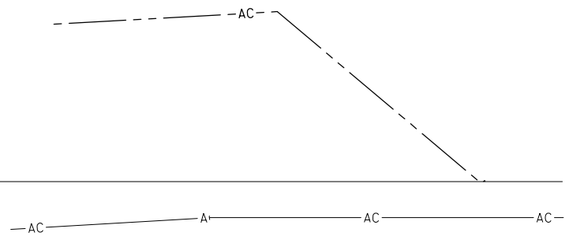

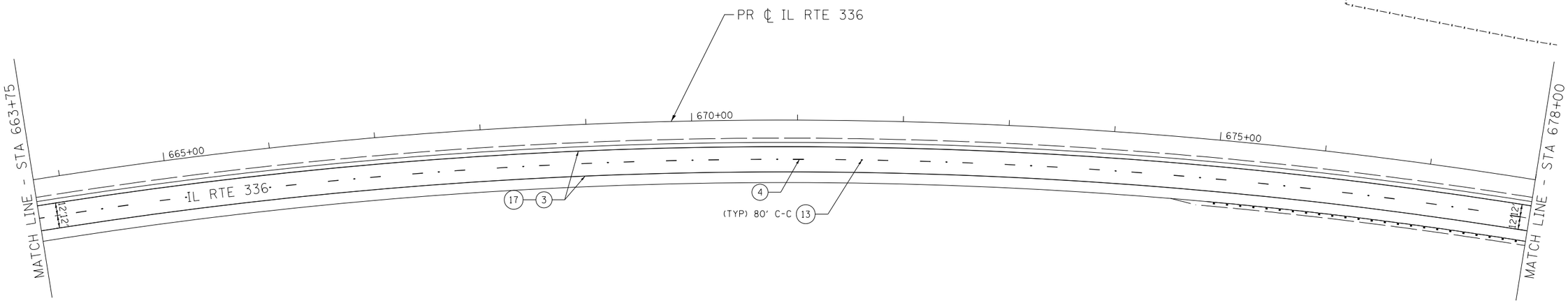

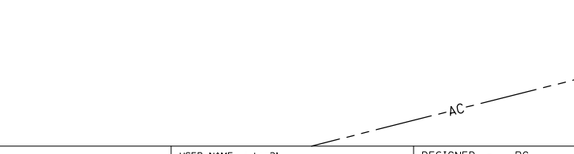

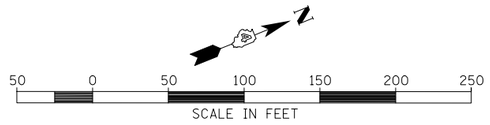

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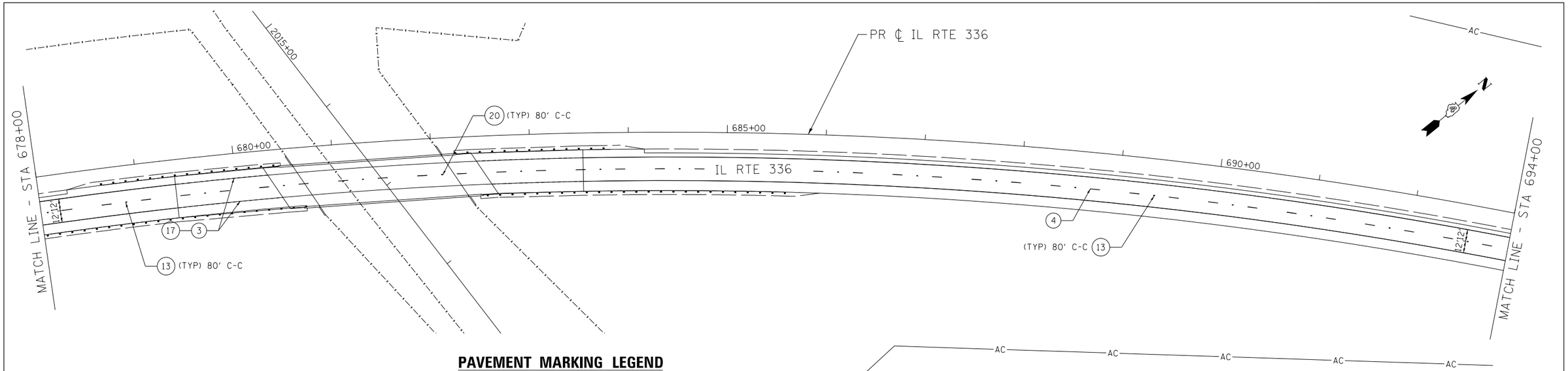
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 8 OF 25 SHEETS | STA. 649+50 TO STA. 678+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	306
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



PAVEMENT MARKING LEGEND

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2. MODIFIED URETHANE PM - LINE 4'' (SOLID YELLOW)
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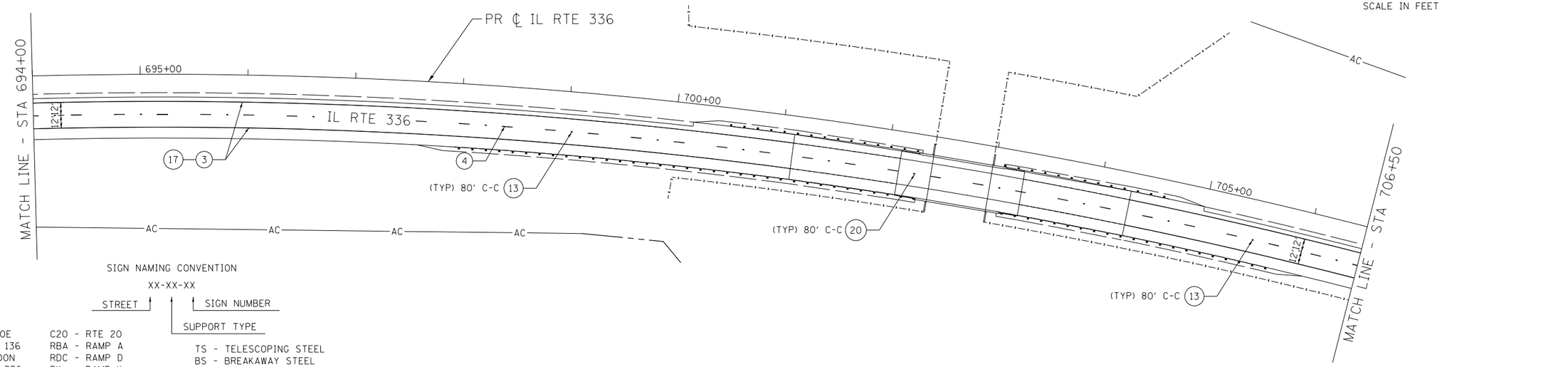

50 0 50 100 150 200 250
SCALE IN FEET

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/L 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1''=50' | SHEET NO. 9 OF 25 SHEETS | STA. 678+00 TO STA. 706+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	307
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

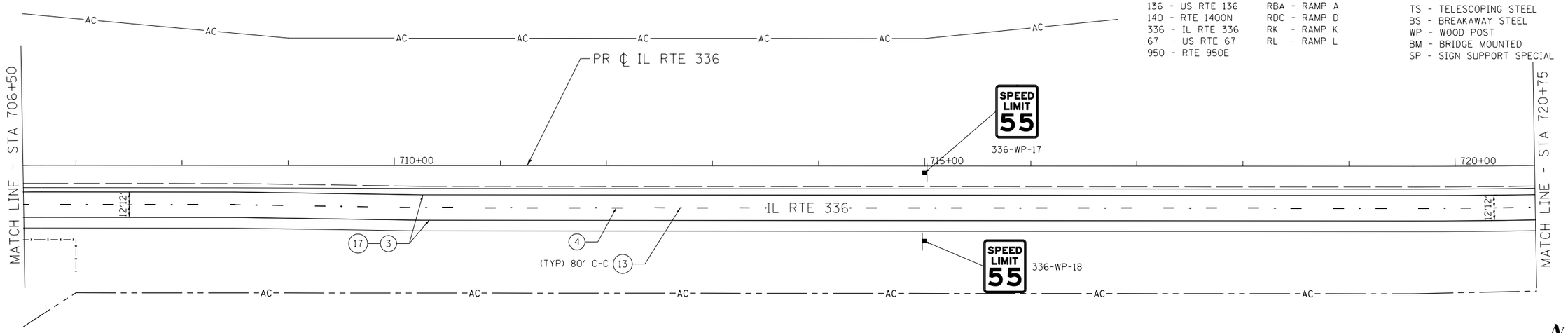
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

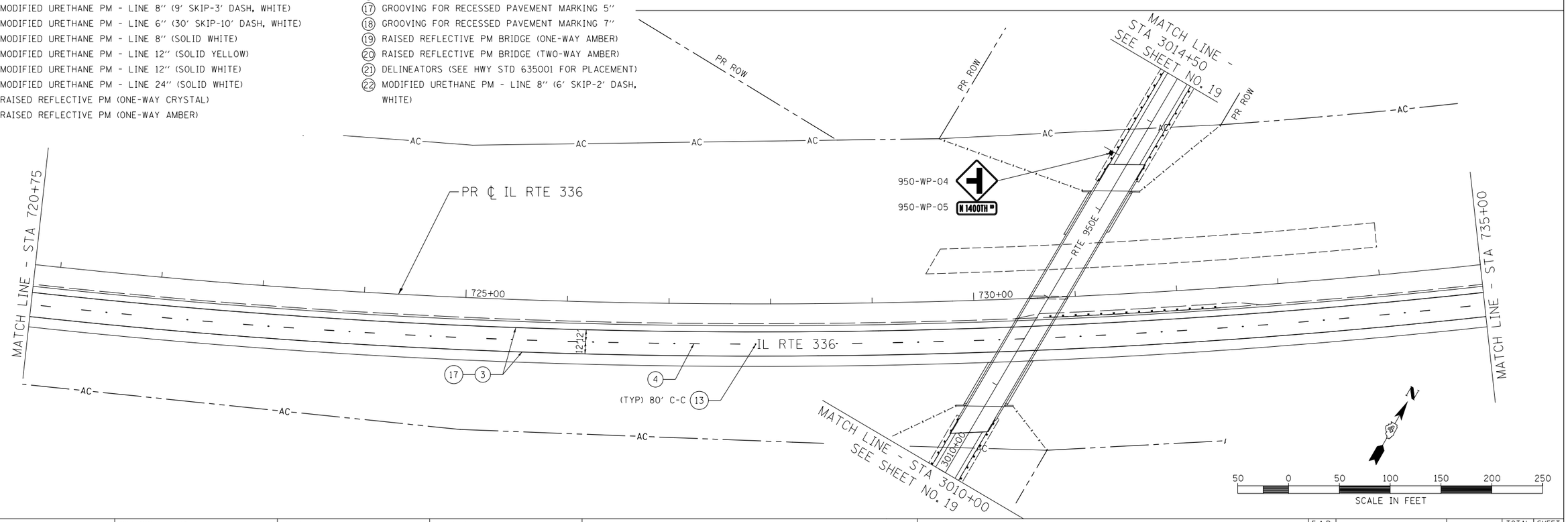
C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336)L 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 10 OF 25 SHEETS | STA. 706+50 TO STA. 735+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	308
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
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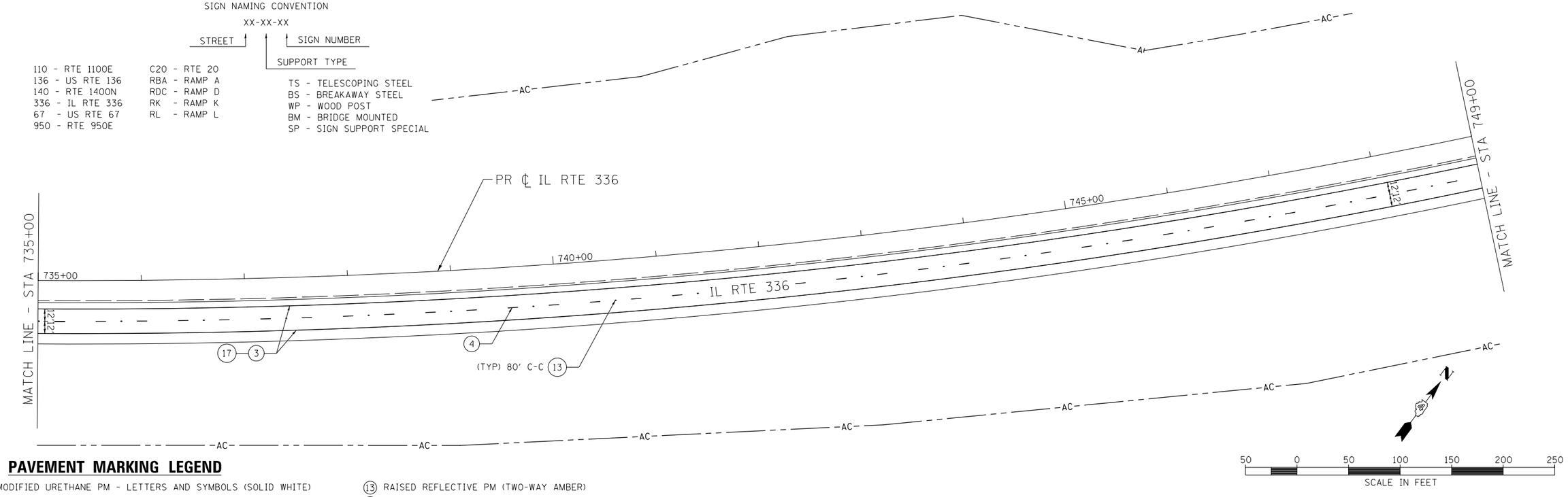
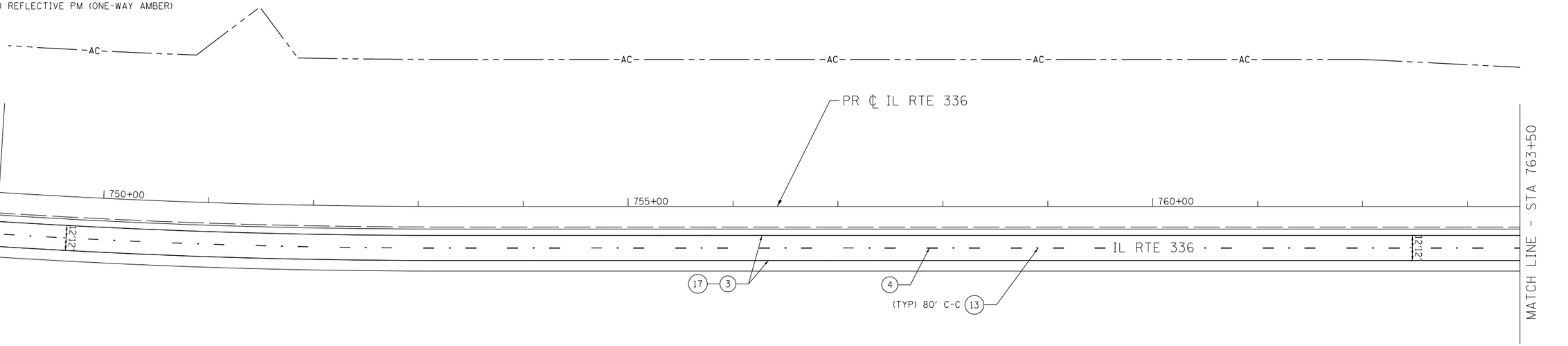
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4'' (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4'' (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4'' (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8'' (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6'' (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8'' (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12'' (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12'' (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24'' (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4'' (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5''
18. GROOVING FOR RECESSED PAVEMENT MARKING 7''
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8'' (6' SKIP-2' DASH, WHITE)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 11 OF 25 SHEETS | STA. 735+00 TO STA. 763+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	309
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

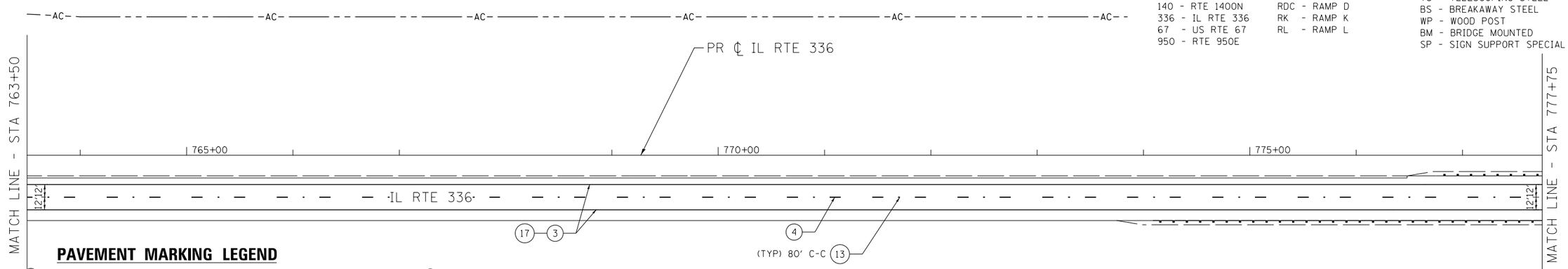
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

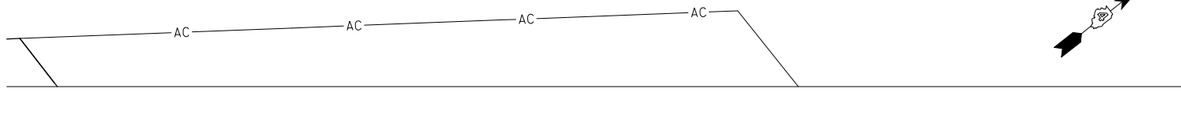
C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

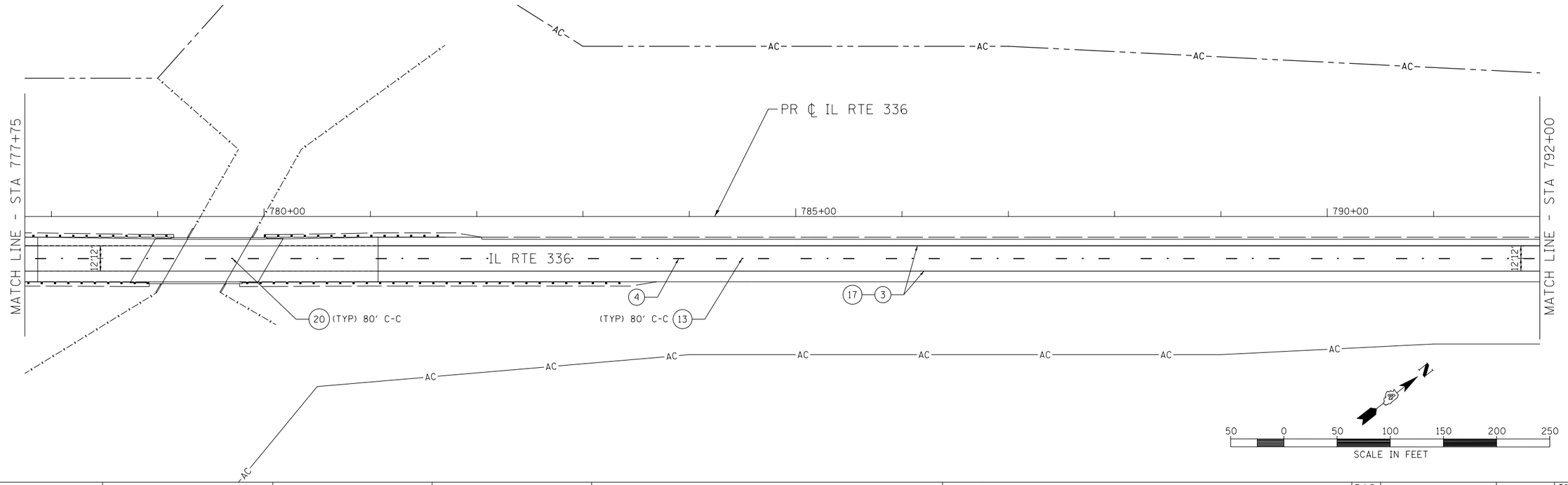
TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

(1) MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
(2) MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
(3) MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
(4) MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
(5) MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
(6) MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
(7) MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
(8) MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
(9) MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
(10) MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
(11) RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
(12) RAISED REFLECTIVE PM (ONE-WAY AMBER)
(13) RAISED REFLECTIVE PM (TWO-WAY AMBER)
(14) PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
(15) PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
(16) MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
(17) GROOVING FOR RECESSED PAVEMENT MARKING 5"
(18) GROOVING FOR RECESSED PAVEMENT MARKING 7"
(19) RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
(20) RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
(21) DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
(22) MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 12 OF 25 SHEETS | STA. 763+50 TO STA. 792+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	310
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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SIGN NAMING CONVENTION

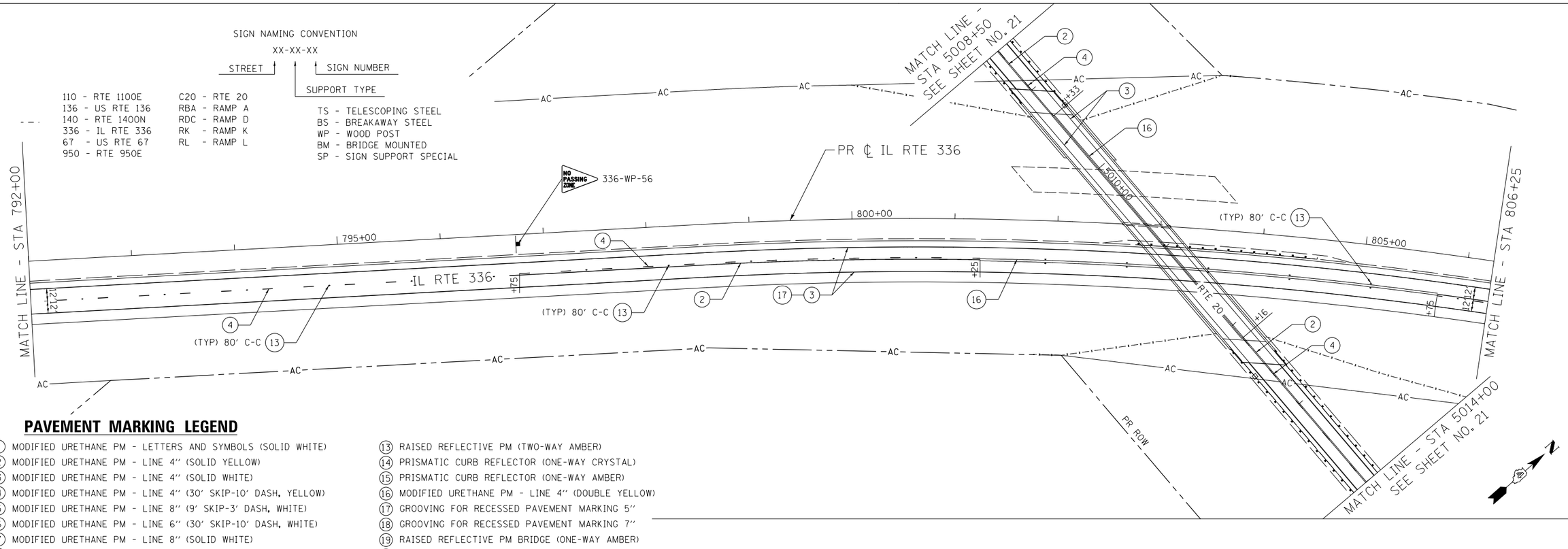
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
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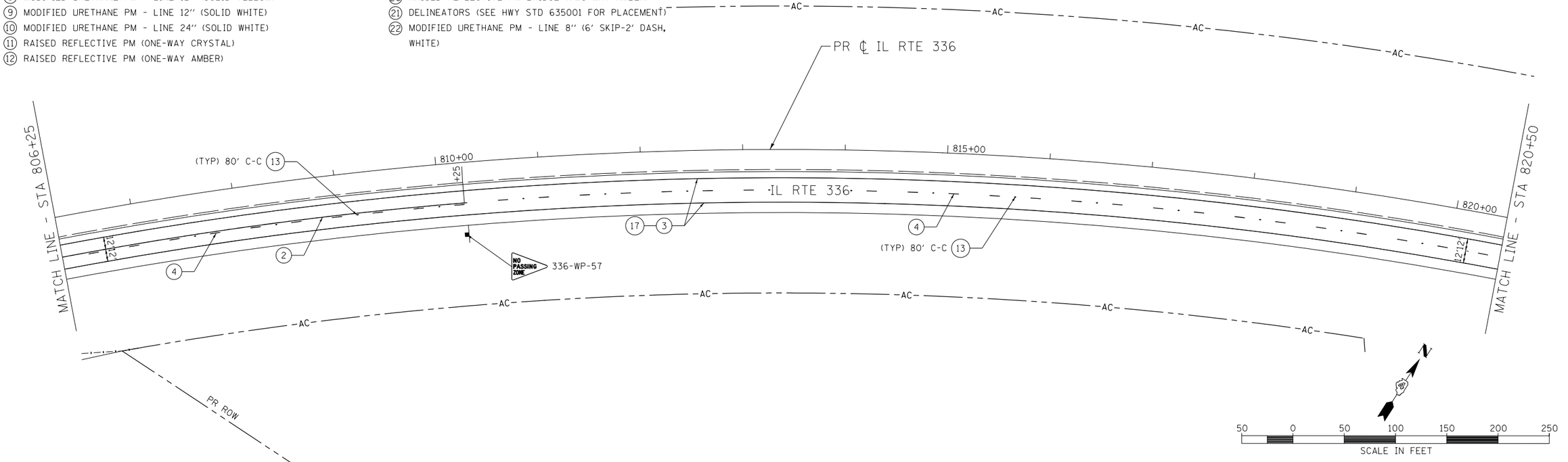
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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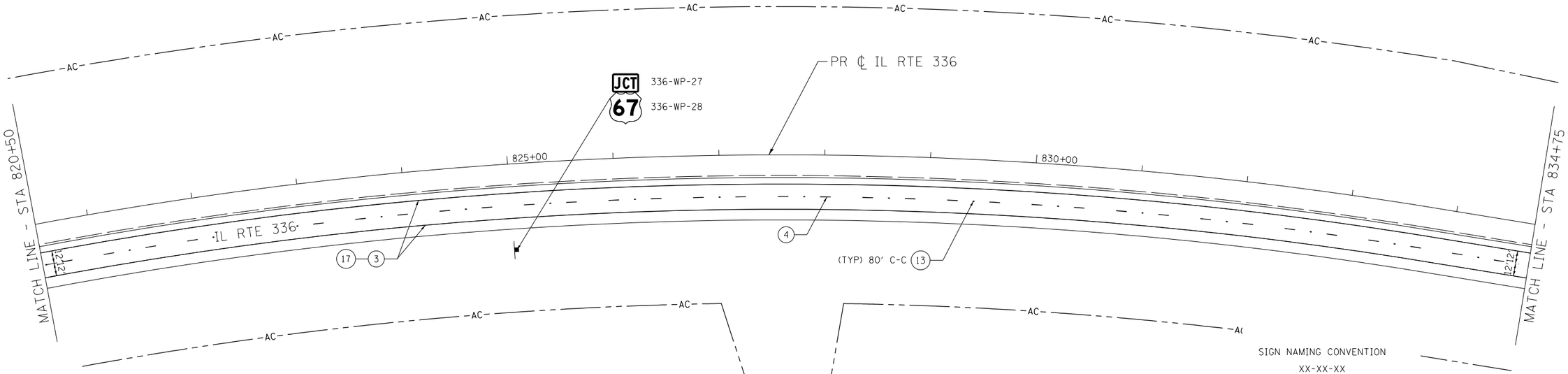
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336)L 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 13 OF 25 SHEETS | STA. 792+00 TO STA. 820+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	311
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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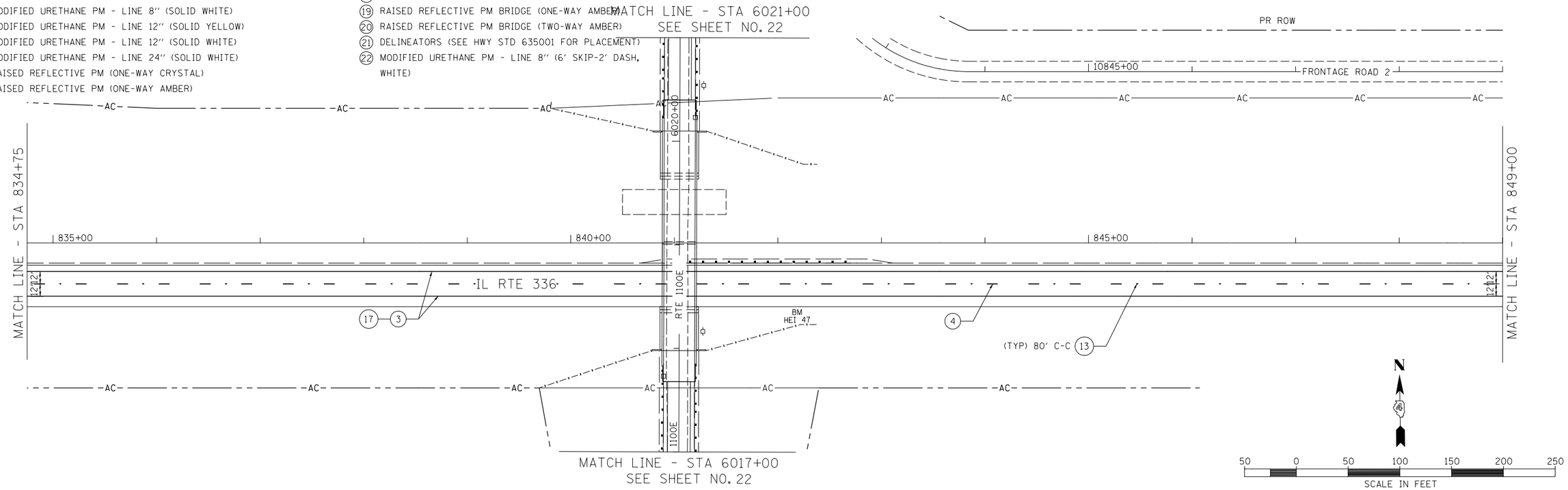
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 14 OF 25 SHEETS | STA. 820+50 TO STA. 849+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	312
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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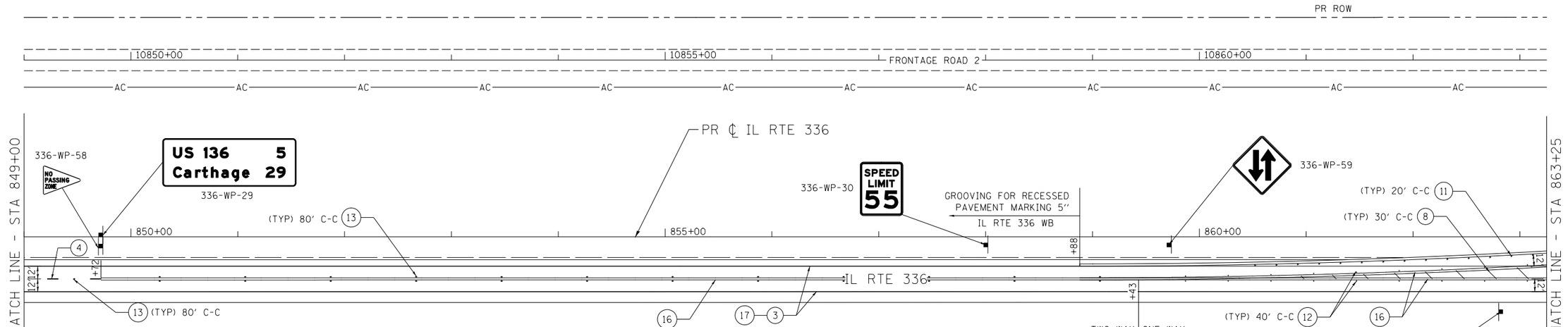

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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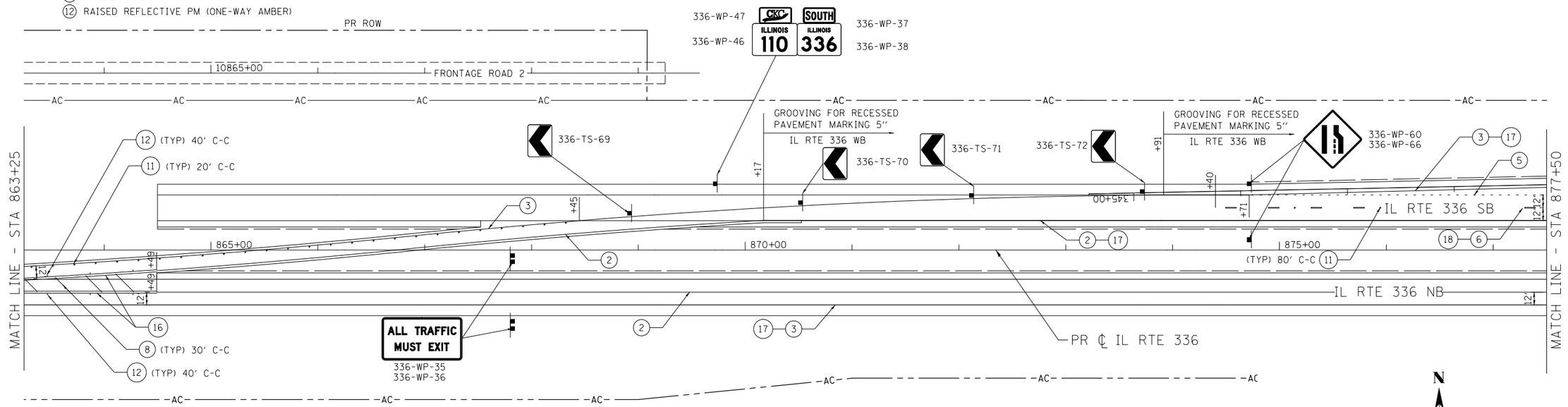

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FAP 407 (IL 336\IL 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 15 OF 25 SHEETS | STA. 849+00 TO STA. 877+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6)B,B-1,B-2))	MCDONOUGH	874	313
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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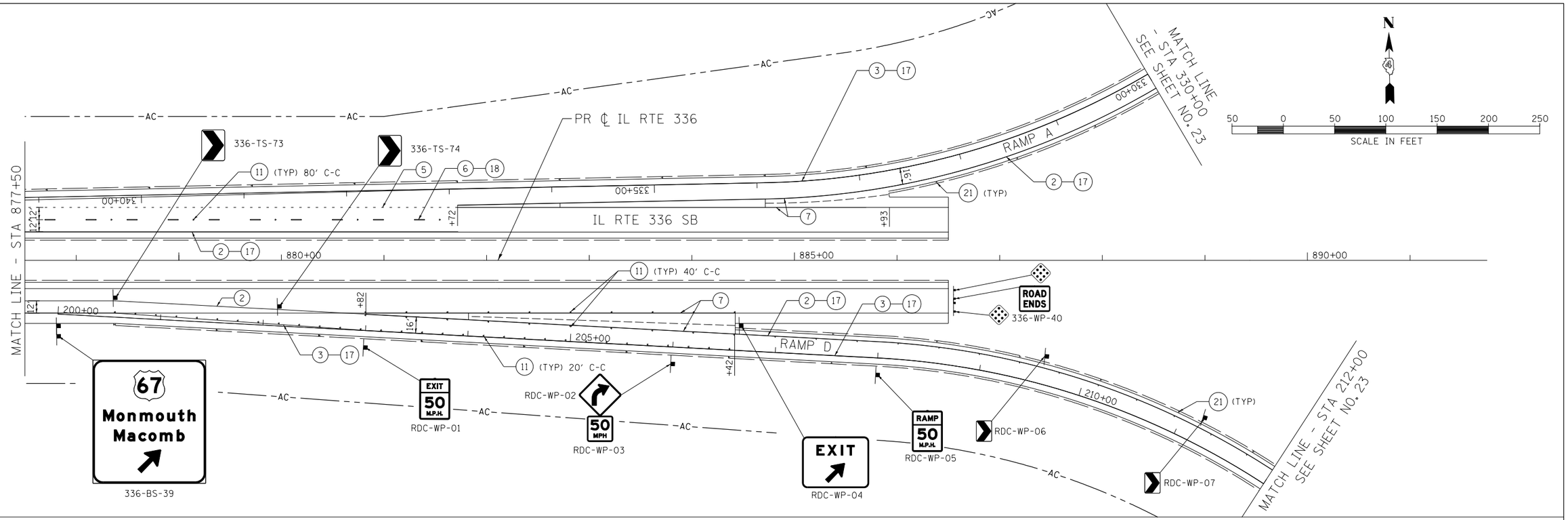

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 110OE
136 - US RTE 136
140 - RTE 140ON
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL

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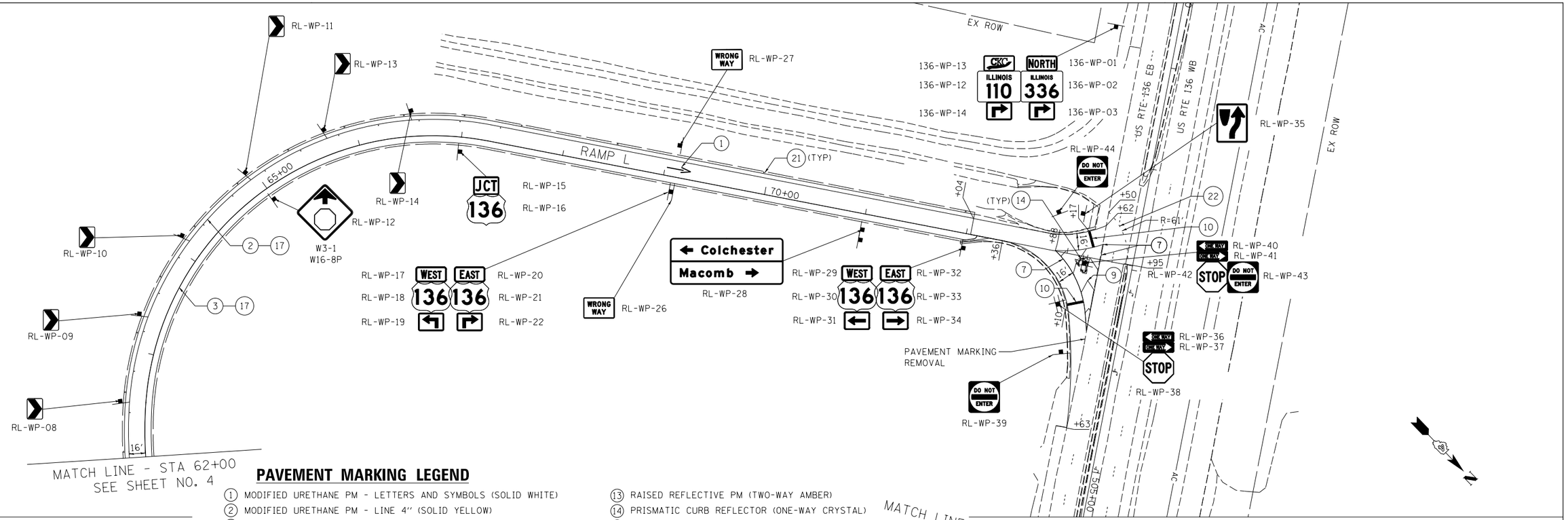
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/L 110)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 16 OF 25 SHEETS | STA. 877+50 TO STA. 891+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	314
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 110OE
136 - US RTE 136
140 - RTE 140ON
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:100	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP K & RAMP L
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 17 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	315
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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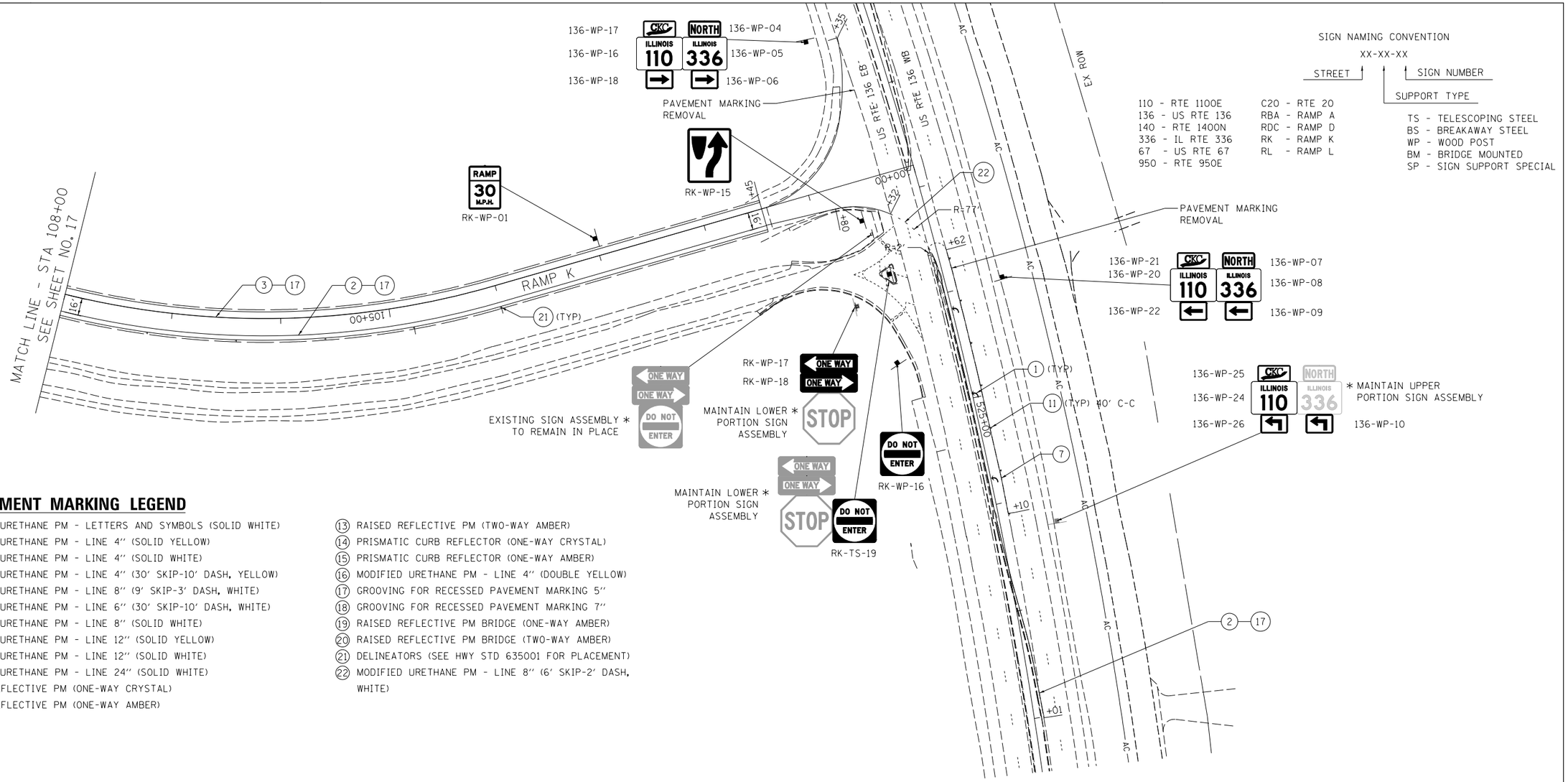

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:100	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP K & US ROUTE 136
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 18 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	316
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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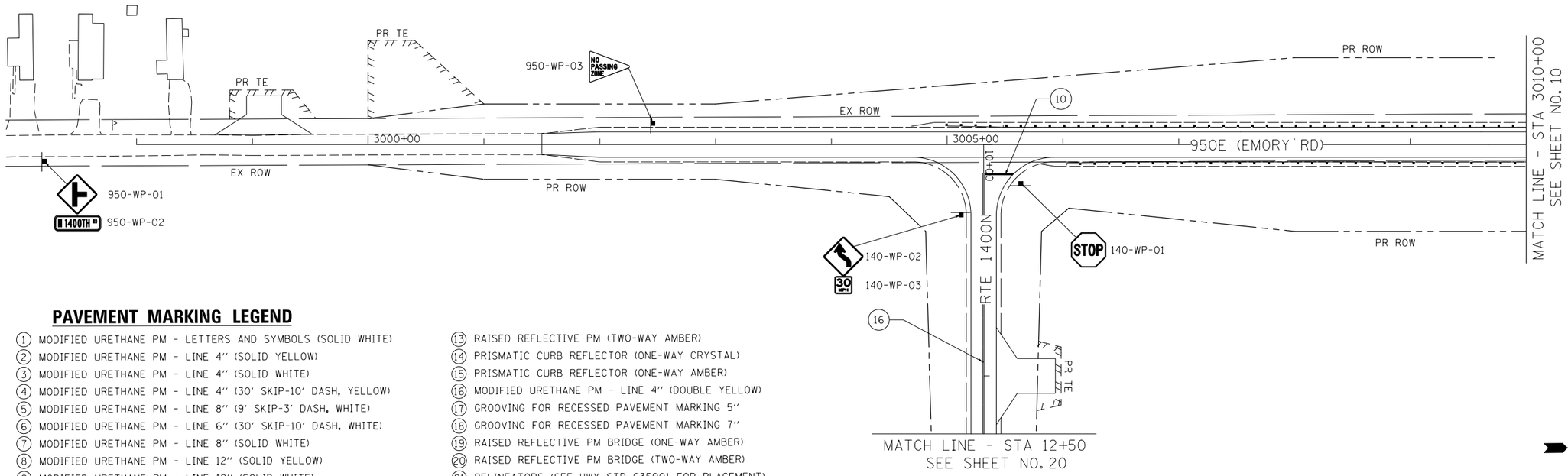

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
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9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
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16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

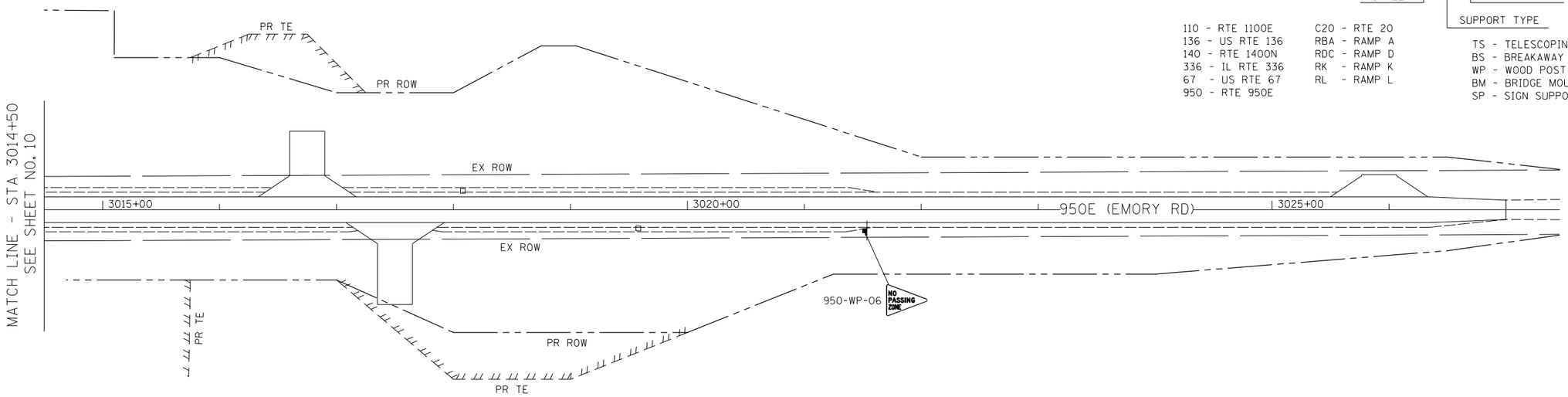
SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E	C20 - RTE 20
136 - US RTE 136	RBA - RAMP A
140 - RTE 1400N	RDC - RAMP D
336 - IL RTE 336	RK - RAMP K
67 - US RTE 67	RL - RAMP L
950 - RTE 950E	

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



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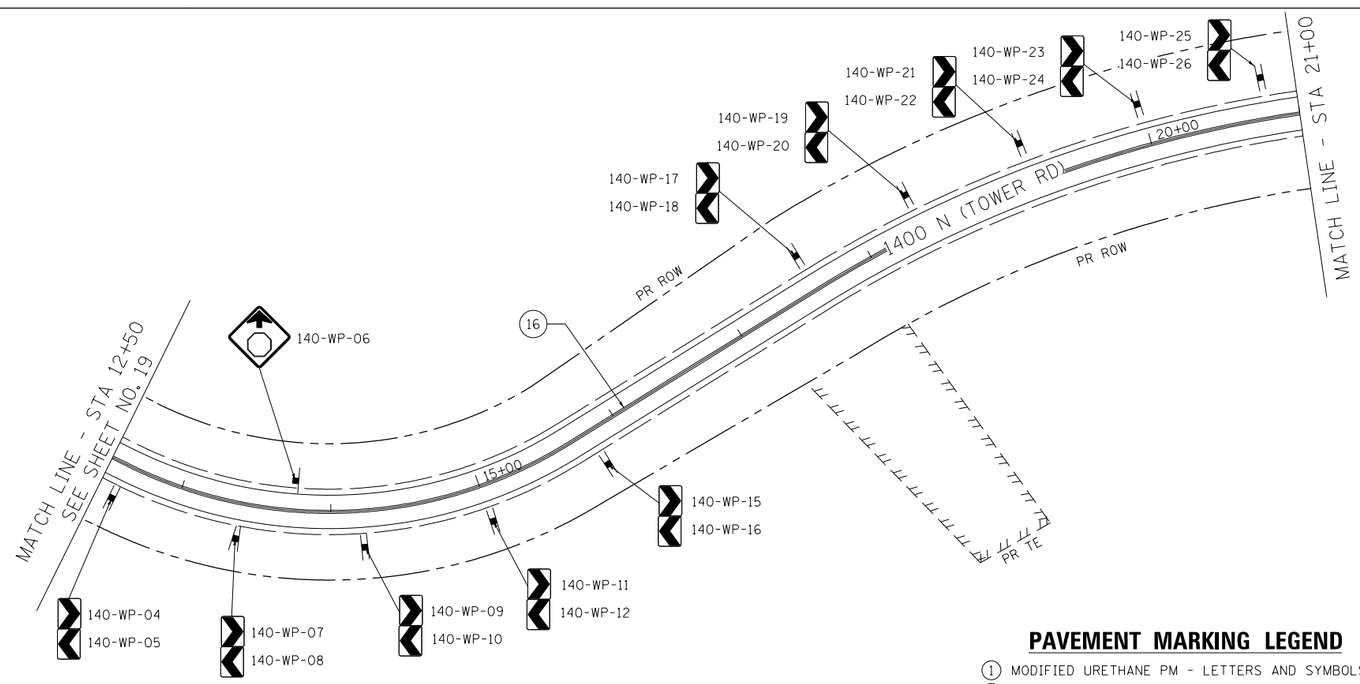
	DRAWN - RC	REVISED -
PLOT SCALE = 1:100	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

950 E (EMORY RD)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 19 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	317
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 140ON
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
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7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
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10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
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16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
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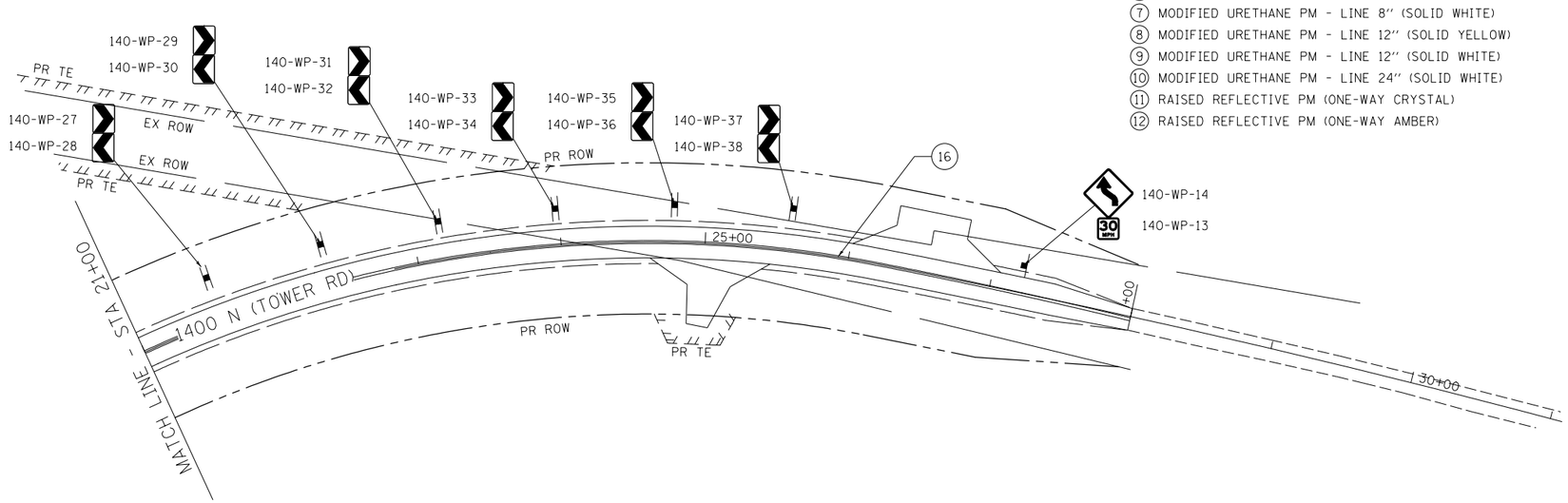
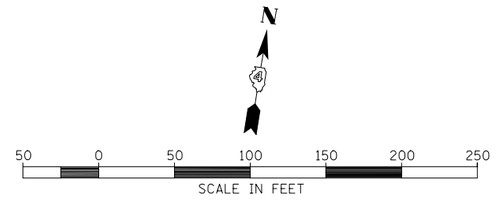
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)





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PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1400 N (TOWER RD)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 20 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	318
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
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12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
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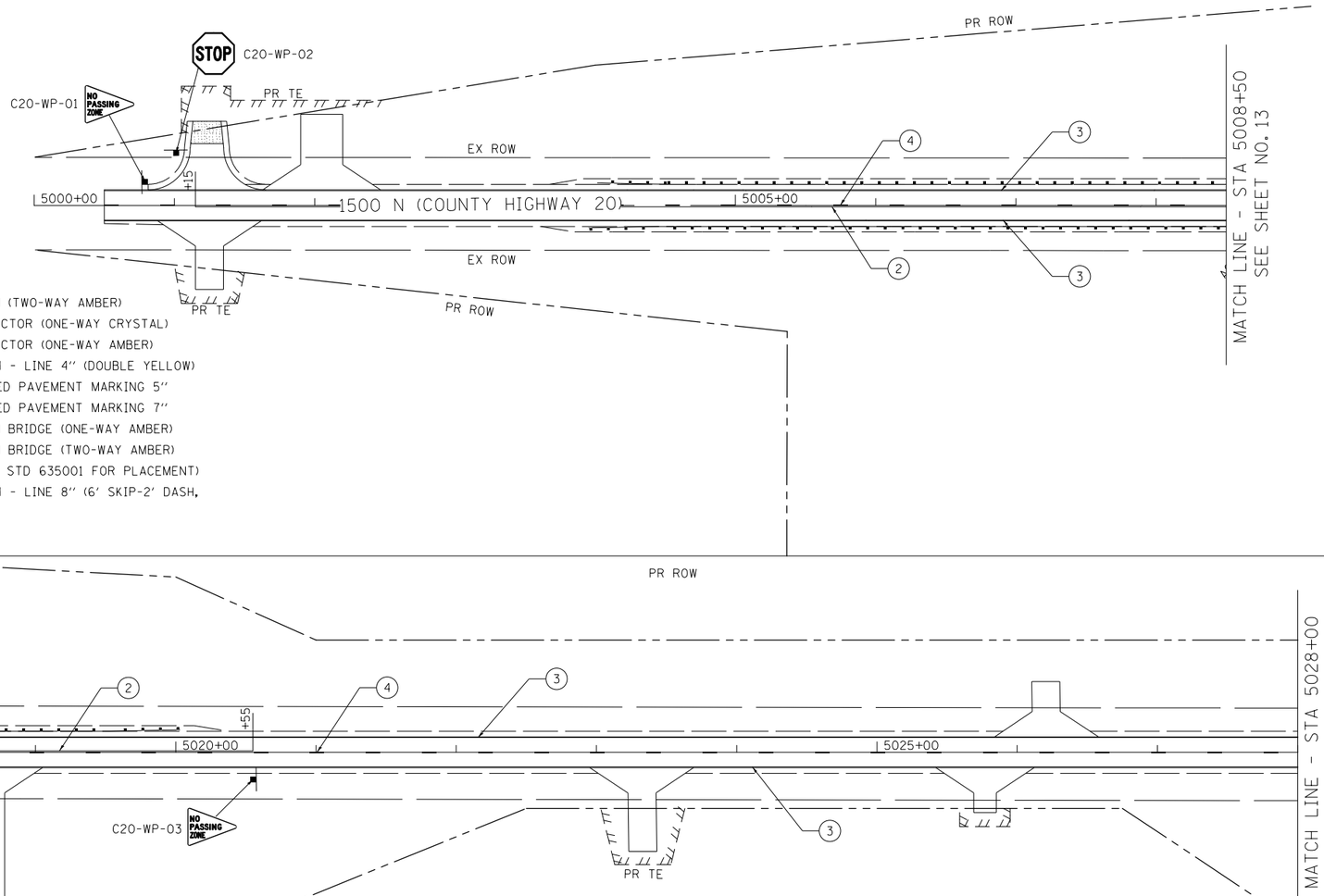
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1500 N (COUNTY HIGHWAY 20)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 21 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6½B,B-1,B-2))	MCDONOUGH	874	319
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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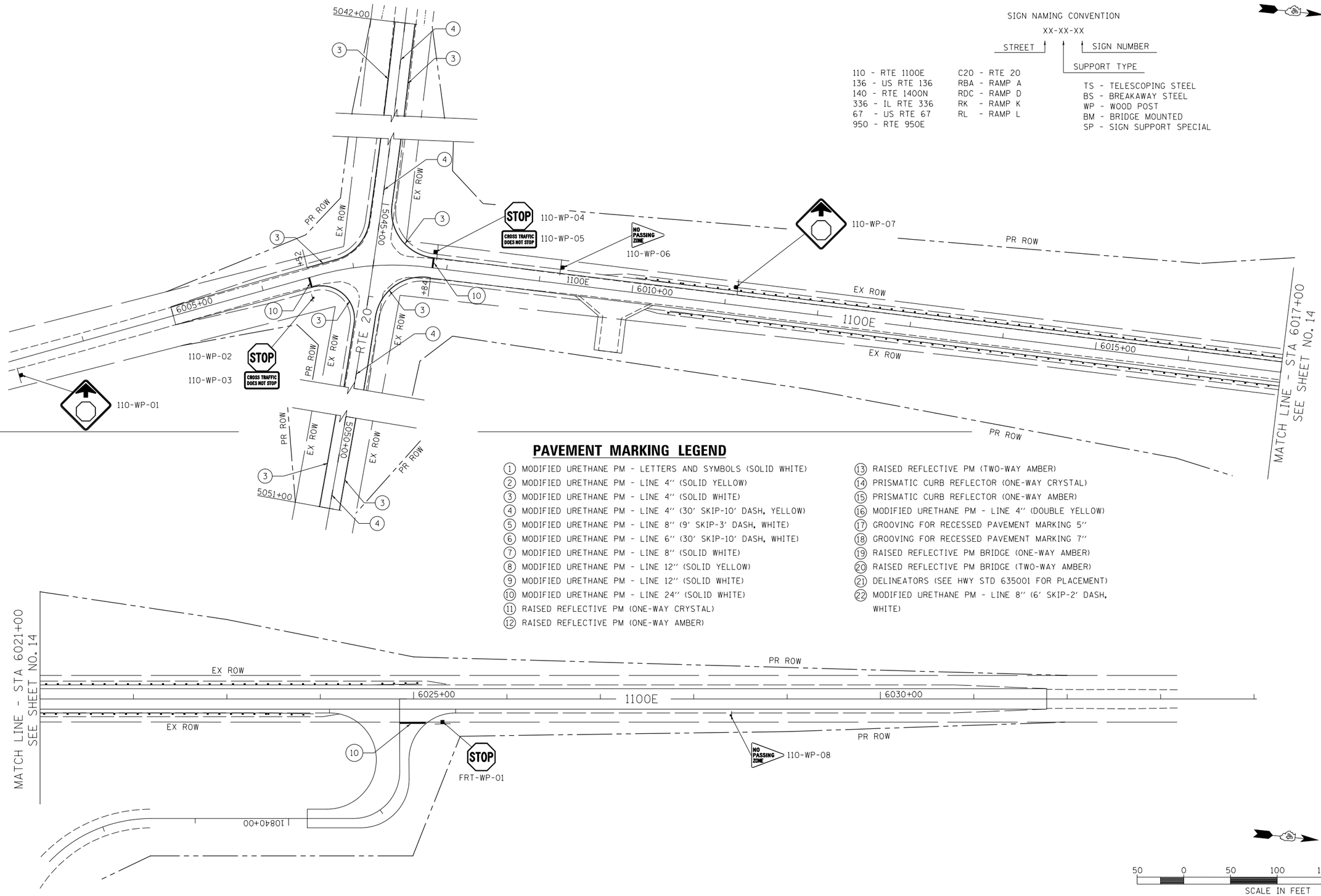

PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
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6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
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10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
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19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

SCALE IN FEET
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	DRAWN - RC	REVISED -
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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1100E
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 22 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	320
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

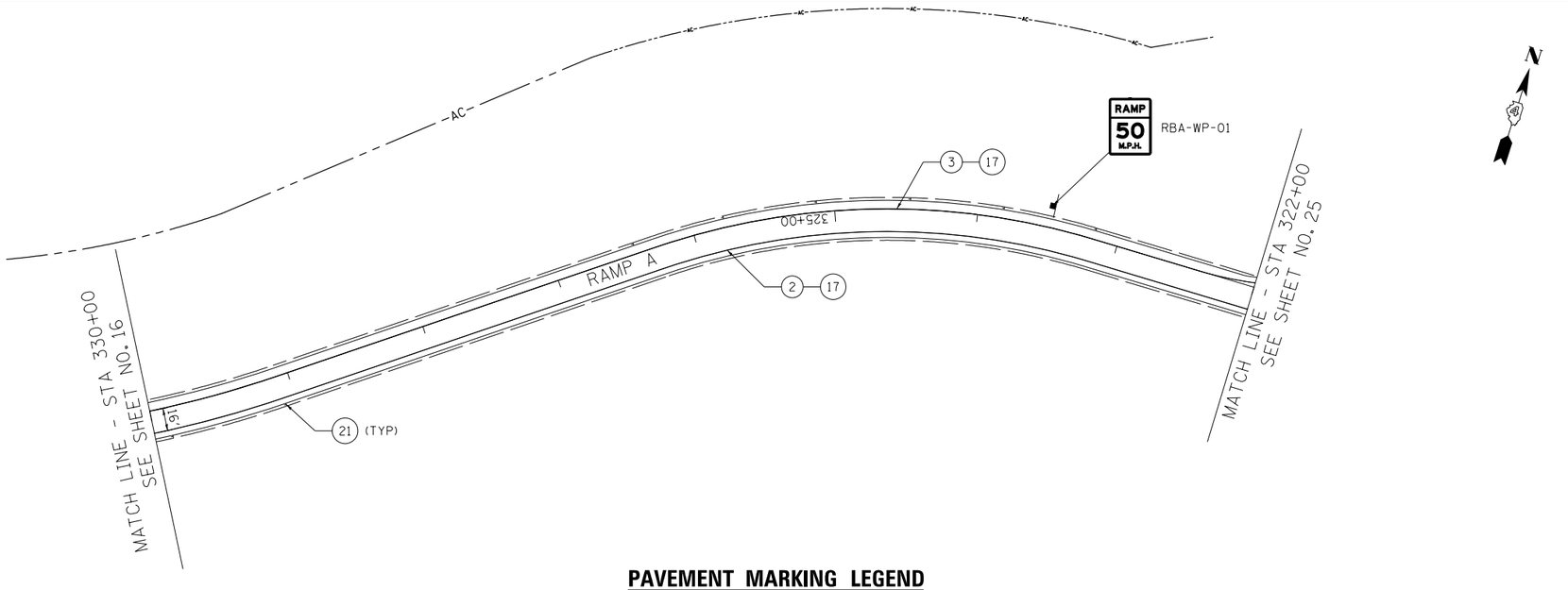
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
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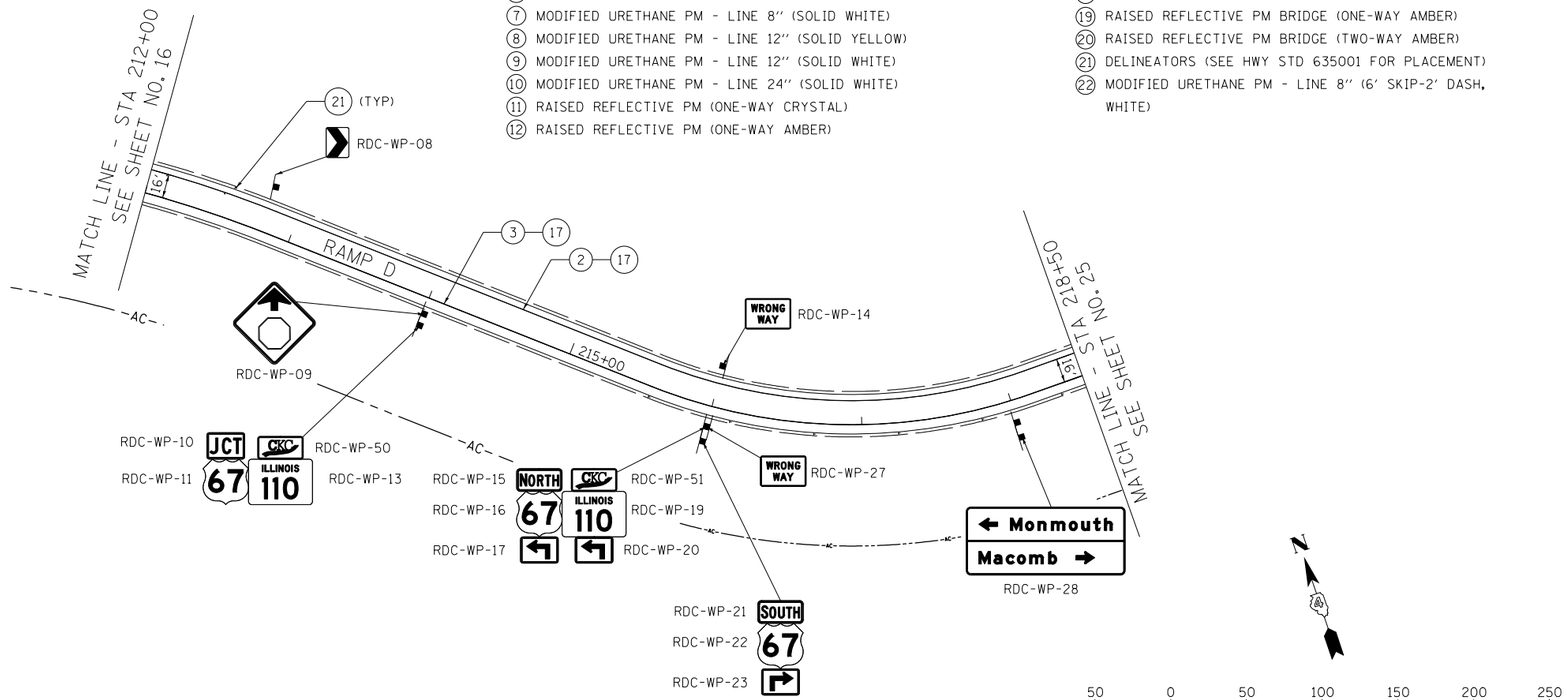
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP A & RAMP D
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 23 OF 25 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	321
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NAMING CONVENTION

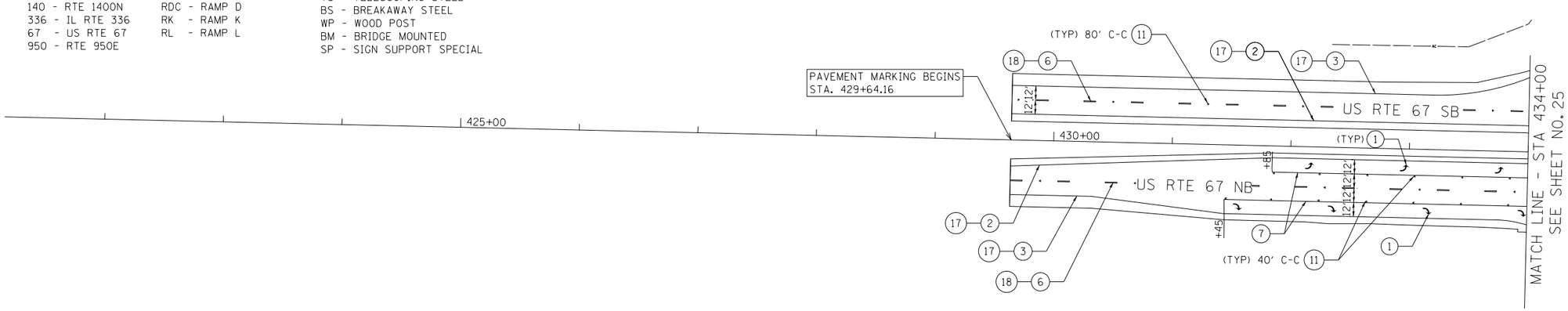
XX-XX-XX

STREET | SIGN NUMBER | SUPPORT TYPE

110 - RTE 1100E
136 - US RTE 136
140 - RTE 1400N
336 - IL RTE 336
67 - US RTE 67
950 - RTE 950E

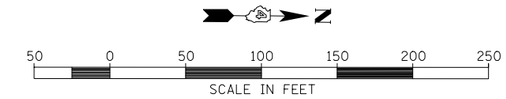
C20 - RTE 20
RBA - RAMP A
RDC - RAMP D
RK - RAMP K
RL - RAMP L

TS - TELESCOPING STEEL
BS - BREAKAWAY STEEL
WP - WOOD POST
BM - BRIDGE MOUNTED
SP - SIGN SUPPORT SPECIAL



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)



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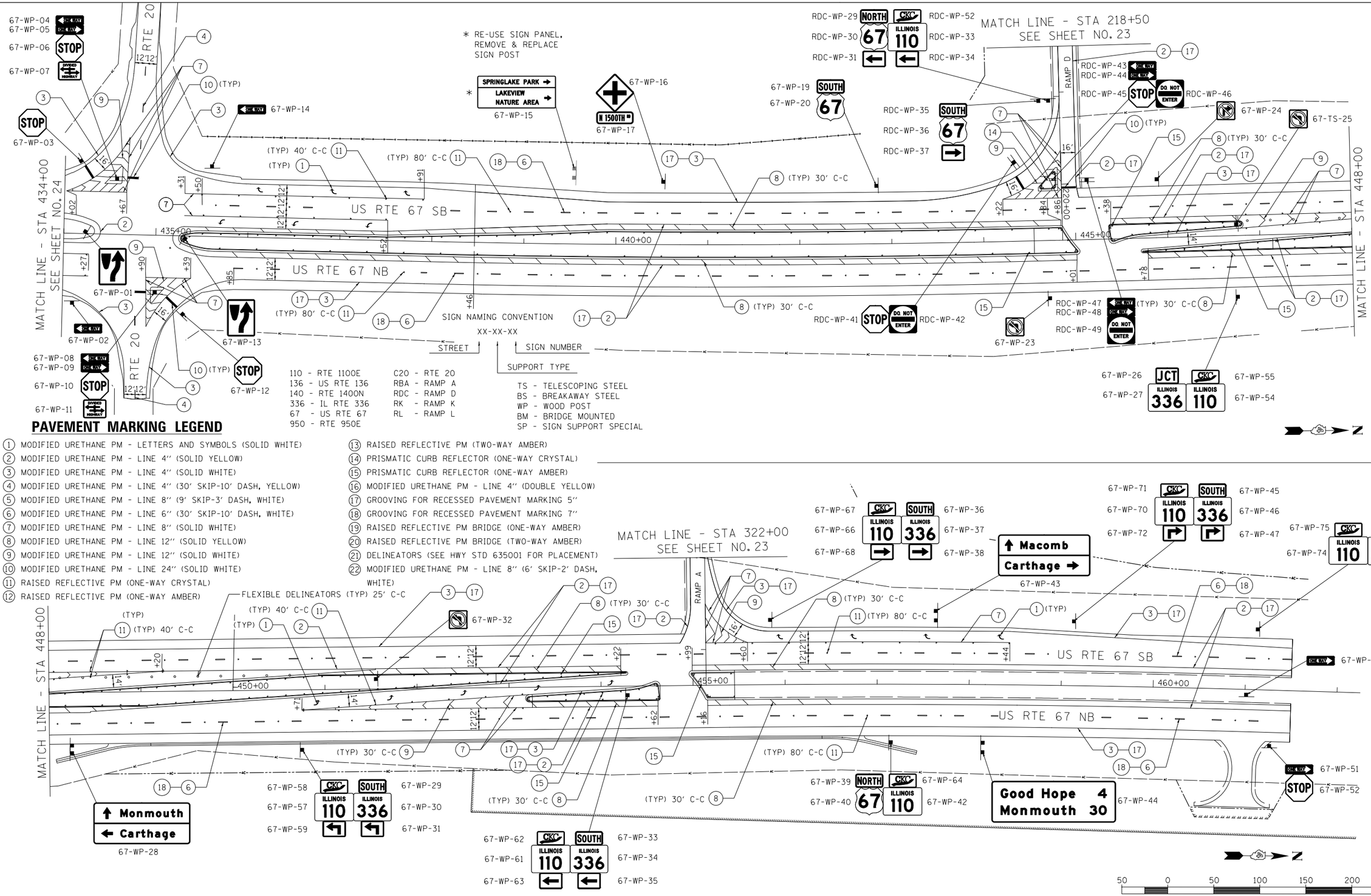
USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:100	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 310 (US 67)
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1"=50' | SHEET NO. 24 OF 25 SHEETS | STA. 429+64 TO STA. 434+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	322
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



PAVEMENT MARKING LEGEND

1. MODIFIED URETHANE PM - LETTERS AND SYMBOLS (SOLID WHITE)
2. MODIFIED URETHANE PM - LINE 4" (SOLID YELLOW)
3. MODIFIED URETHANE PM - LINE 4" (SOLID WHITE)
4. MODIFIED URETHANE PM - LINE 4" (30' SKIP-10' DASH, YELLOW)
5. MODIFIED URETHANE PM - LINE 8" (9' SKIP-3' DASH, WHITE)
6. MODIFIED URETHANE PM - LINE 6" (30' SKIP-10' DASH, WHITE)
7. MODIFIED URETHANE PM - LINE 8" (SOLID WHITE)
8. MODIFIED URETHANE PM - LINE 12" (SOLID YELLOW)
9. MODIFIED URETHANE PM - LINE 12" (SOLID WHITE)
10. MODIFIED URETHANE PM - LINE 24" (SOLID WHITE)
11. RAISED REFLECTIVE PM (ONE-WAY CRYSTAL)
12. RAISED REFLECTIVE PM (ONE-WAY AMBER)
13. RAISED REFLECTIVE PM (TWO-WAY AMBER)
14. PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)
15. PRISMATIC CURB REFLECTOR (ONE-WAY AMBER)
16. MODIFIED URETHANE PM - LINE 4" (DOUBLE YELLOW)
17. GROOVING FOR RECESSED PAVEMENT MARKING 5"
18. GROOVING FOR RECESSED PAVEMENT MARKING 7"
19. RAISED REFLECTIVE PM BRIDGE (ONE-WAY AMBER)
20. RAISED REFLECTIVE PM BRIDGE (TWO-WAY AMBER)
21. DELINEATORS (SEE HWY STD 635001 FOR PLACEMENT)
22. MODIFIED URETHANE PM - LINE 8" (6' SKIP-2' DASH, WHITE)

FILE NAME = E:\1006\Plan Sheets\D468418-ant-sign23.dgn

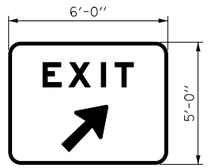
USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 310 (US 67)
PAVEMENT MARKING AND SIGNING PLANS

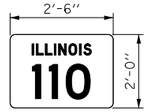
SCALE: 1"=50' | SHEET NO. 25 OF 25 SHEETS | STA. 434+00 TO STA. 462+20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	323
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



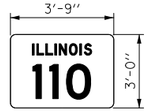
E5-1

NAME	STATION
336-WP-06	550+03
RL-WP-04	56+65
RDC-WP-04	206+65



M1-I100

NAME	STATION	NAME	STATION	NAME	STATION
67-WP-42	457+15	136-WP-12	500+72		
67-WP-54	446+75	136-WP-16	521+41		
67-WP-57	450+75	136-WP-20	523+99		
67-WP-61	454+29	136-WP-24	526+26		
67-WP-66	455+84				
67-WP-70	459+12				
67-WP-74	461+11				

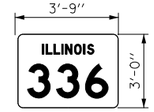


M1-I100

NAME	STATION
336-WP-42	579+30
336-WP-46	869+72
RDC-WP-13	214+00
RDC-WP-19	216+00
RDC-WP-33	219+09

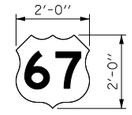
M1-I100

NAME	STATION	NAME	STATION
67-WP-27	446+75	136-WP-05	521+41
67-WP-30	450+75	136-WP-08	523+99
67-WP-34	454+29		
67-WP-37	455+84		
67-WP-46	459+12		
67-WP-50	461+11		
136-WP-02	500+72		



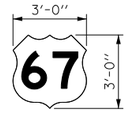
M1-I100

NAME	STATION
336-WP-09	579+30
336-WP-38	869+72



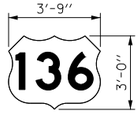
M1-4

NAME	STATION
67-WP-20	442+85
67-WP-40	457+15



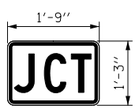
M1-4

NAME	STATION
336-WP-28	825+00
RDC-WP-11	214+00
RDC-WP-16	216+00
RDC-WP-22	216+00
RDC-WP-30	219+09
RDC-WP-36	219+09



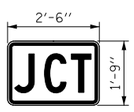
M1-4

NAME	STATION
336-WP-02	490+27
336-WP-16	622+40
RL-WP-16	67+00
RL-WP-18	69+10
RL-WP-21	69+10
RL-WP-30	72+00
RL-WP-33	72+00



M2-1

NAME	STATION
67-WP-26	446+75
67-WP-49	461+11



M2-1

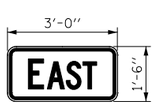
NAME	STATION
336-WP-01	490+27
336-WP-15	622+40
336-WP-27	825+00
RL-WP-15	67+00
RDC-WP-10	214+00

M3-1

NAME	STATION
67-WP-39	457+15
136-WP-01	500+72
136-WP-04	521+41
136-WP-07	523+99

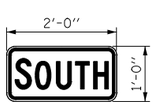
M3-1

NAME	STATION
336-WP-08	579+30
RDC-WP-15	216+00
RDC-WP-29	219+09



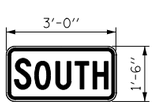
M3-2

NAME	STATION
RL-WP-20	69+10
RL-WP-32	72+00



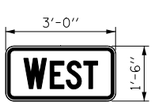
M3-3

NAME	STATION
67-WP-19	442+85
67-WP-29	450+75
67-WP-33	454+29
67-WP-36	455+84
67-WP-45	459+12



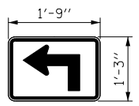
M3-3

NAME	STATION
336-WP-37	869+72
RDC-WP-21	216+00
RDC-WP-35	219+09



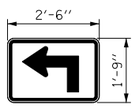
M3-4

NAME	STATION
RL-WP-17	69+10
RL-WP-29	72+00



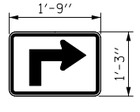
M5-1L

NAME	STATION
67-WP-31	450+75
67-WP-59	450+75
136-WP-10	526+26
136-WP-26	526+26



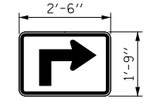
M5-1L

NAME	STATION
RL-WP-19	69+10
RDC-WP-17	216+00
RDC-WP-20	216+00



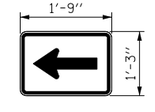
M5-1R

NAME	STATION
136-WP-03	500+72
136-WP-14	500+72
67-WP-47	459+12
67-WP-72	459+12



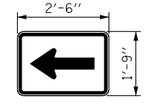
M5-1R

NAME	STATION
RL-WP-22	69+10
RDC-WP-23	216+00



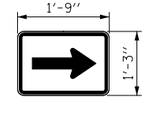
M6-1L

NAME	STATION
67-WP-35	454+29
67-WP-63	454+29
136-WP-09	523+99
136-WP-22	523+99



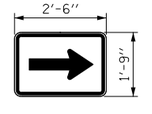
M6-1L

NAME	STATION
RL-WP-31	72+00
RDC-WP-31	219+09
RDC-WP-34	219+09



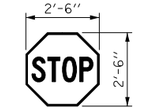
M6-1R

NAME	STATION
67-WP-38	455+84
67-WP-68	455+84
136-WP-06	521+41
136-WP-18	521+41



M6-1R

NAME	STATION
RL-WP-34	72+00
RDC-WP-37	219+09



R1-1

NAME	STATION
67-WP-52	461+28
140-WP-01	10+50
C20-WP-02	5001+01
FRT-WP-01	10837+99
110-WP-02	6006+50
110-WP-04	6007+86

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details-sign01.dgn

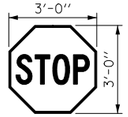
USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.1908	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

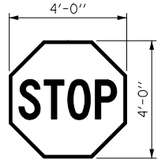
SCALE: NONE | SHEET NO. 1 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2)J	MCDONOUGH	874	324
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



R1-1

NAME	STATION
67-WP-03	434+17
67-WP-06	434+56
67-WP-10	435+00
67-WP-12	435+31
RDC-WP-41	219+75
RDC-WP-45	219+95



R1-1

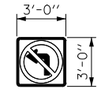
NAME	STATION
RL-WP-38	73+00
RL-WP-42	73+18

R2-1

NAME	STATION
336-WP-12	590+50
336-WP-17	715+00
336-WP-18	715+00
336-WP-30	858+00
336-WP-75	537+00

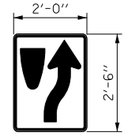
R3-1

NAME	STATION
67-WP-24	445+89



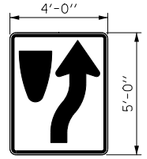
R3-2

NAME	STATION
67-WP-23	444+71
67-TS-25	446+74
67-WP-32	451+55



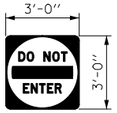
R4-7

NAME	STATION
67-WP-01	434+23
67-WP-13	435+32



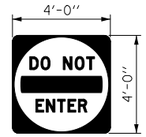
R4-7

NAME	STATION
RL-WP-35	73+08
RK-WP-15	100+60



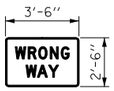
R5-1

NAME	STATION
RDC-WP-42	219+75
RDC-WP-46	219+95
RDC-WP-49	219+96



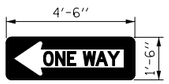
R5-1

NAME	STATION
RL-WP-39	73+12
RL-WP-43	73+18
RL-WP-44	72+84
RK-WP-16	100+64
RK-TS-19	100+48



R5-1a

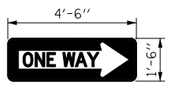
NAME	STATION
RL-WP-26	69+10
RL-WP-27	69+10
RDC-WP-14	216+00
RDC-WP-27	216+00



R6-1L

NAME	STATION
67-WP-02	434+11
67-WP-04	434+56
67-WP-08	435+00
67-WP-14	435+60
RL-WP-36	73+00
RL-WP-40	73+18
RK-WP-17	100+85

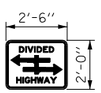
NAME	STATION
RDC-WP-43	219+95
RDC-WP-47	219+96



R6-1R

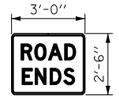
NAME	STATION
67-WP-05	434+56
67-WP-09	435+00
67-WP-48	461+01
67-WP-51	461+28
RL-WP-37	73+00
RL-WP-41	73+18
RK-WP-18	100+85

NAME	STATION
RDC-WP-44	219+95
RDC-WP-48	219+96



R6-3

NAME	STATION
67-WP-07	434+56
67-WP-11	435+00



R11-I100

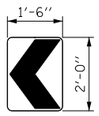
NAME	STATION
336-WP-40	886+56

W1-2R

NAME	STATION
RDC-WP-02	206+00

W1-4L

NAME	STATION
140-WP-02	10+61
140-WP-14	27+20

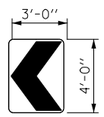


W1-8L

NAME	STATION
140-WP-05	12+62
140-WP-08	13+42
140-WP-10	14+22
140-WP-12	15+02
140-WP-16	15+82
140-WP-18	17+58
140-WP-20	18+38

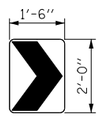
NAME	STATION
140-WP-22	19+18
140-WP-24	19+98
140-WP-26	20+78
140-WP-28	21+58
140-WP-30	22+38
140-WP-32	23+18
140-WP-34	23+98

NAME	STATION
140-WP-36	24+78
140-WP-38	25+58



W1-8L

NAME	STATION
336-TS-67	571+23
336-TS-68	572+83
336-TS-69	868+94
336-TS-70	870+54
336-TS-71	872+14
336-TS-72	873+74

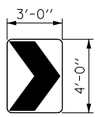


W1-8R

NAME	STATION
140-WP-04	12+62
140-WP-07	13+42
140-WP-09	14+22
140-WP-11	15+02
140-WP-15	15+82
140-WP-17	17+58
140-WP-19	18+38

NAME	STATION
140-WP-21	19+18
140-WP-23	19+98
140-WP-25	20+78
140-WP-27	21+58
140-WP-29	22+38
140-WP-31	23+18
140-WP-33	23+98

NAME	STATION
140-WP-35	24+78
140-WP-37	25+58



W1-8R

NAME	STATION
336-TS-61	557+40
336-SP-62	559+00
336-SP-63	560+60
336-SP-64	562+20
336-SP-65	563+80
336-TS-73	878+38
336-TS-74	879+98

NAME	STATION
336-TS-61	557+40
336-SP-62	559+00
336-SP-63	560+60
336-SP-64	562+20
336-SP-65	563+80
336-TS-73	878+38
336-TS-74	879+98

NAME	STATION
RL-WP-06	60+92
RL-WP-07	61+73
RL-WP-08	62+53
RL-WP-09	63+33
RL-WP-10	64+13
RL-WP-11	64+93
RL-WP-13	65+73

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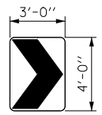
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.19084	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

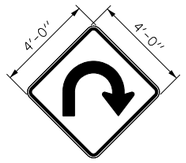
SCALE: NONE | SHEET NO. 2 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2)J	MCDONOUGH	874	325
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



W1-8R (CONT.)

NAME	STATION	NAME	STATION	NAME	STATION
RL-WP-14	66+53	RK-WP-08	114+00	RDC-WP-07	211+20
RK-WP-02	109+20	RK-WP-09	114+80	RDC-WP-08	212+80
RK-WP-03	110+00	RK-WP-10	115+60		
RK-WP-04	110+80	RK-WP-11	116+40		
RK-WP-05	111+60	RK-WP-12	117+20		
RK-WP-06	112+40	RK-WP-13	118+00		
RK-WP-07	113+20	RDC-WP-06	209+60		



W1-11

NAME	STATION
RL-WP-02	53+16

W2-1

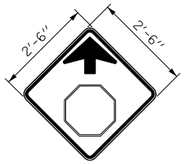
NAME	STATION
67-WP-16	440+51

W2-2L

NAME	STATION
950-WP-04	3013+54

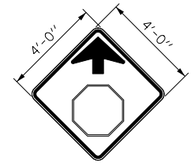
W2-2R

NAME	STATION
950-WP-01	2997+21



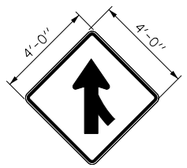
W3-1

NAME	STATION
140-WP-06	13+75
110-WP-01	6003+26
110-WP-07	6011+10



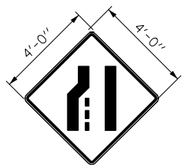
W3-1

NAME	STATION
RL-WP-12	65+00
RDC-WP-09	214+00



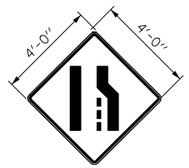
W4-1

NAME	STATION
336-WP-05	546+62
RK-WP-14	119+17



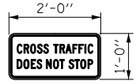
W4-2L

NAME	STATION
336-WP-50	551+00
336-WP-51	551+00



W4-2R

NAME	STATION
336-WP-60	874+72
336-WP-66	874+72



W4-4P

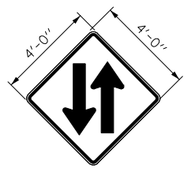
NAME	STATION
110-WP-03	6006+50
110-WP-05	6007+86

W6-1

NAME	STATION
336-WP-53	579+50

W6-2

NAME	STATION
336-WP-52	576+00

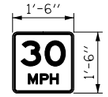


W6-3

NAME	STATION
336-WP-54	587+00
336-WP-59	859+71

W9-1L

NAME	STATION
336-WP-48	539+00
336-WP-49	539+00



W13-1P

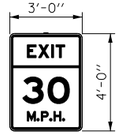
NAME	STATION
140-WP-03	10+61
140-WP-13	27+20

W13-1P

NAME	STATION
RL-WP-03	53+16

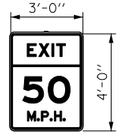
W13-1P

NAME	STATION
RDC-WP-03	206+00



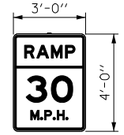
W13-2

NAME	STATION
RL-WP-01	52+17

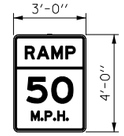


W13-2

NAME	STATION
RDC-WP-01	203+01



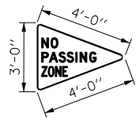
W13-3



W13-3

NAME	STATION
RL-WP-05	56+66
RK-WP-01	103+00

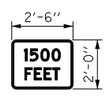
NAME	STATION
RDC-WP-05	208+00
RBA-WP-01	323+50



W14-3

NAME	STATION
336-WP-55	590+50
336-WP-56	796+75
336-WP-57	810+25
336-WP-58	849+72
C20-WP-01	5000+80
C20-WP-03	5020+55
110-WP-06	6009+23

NAME	STATION
110-WP-08	6028+39
950-WP-03	3002+46
950-WP-06	3021+51



W16-2P

NAME	STATION
336-WP-32	862+82

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	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.19084	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

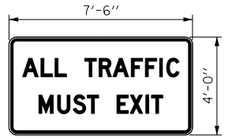
SCALE: NONE | SHEET NO. 3 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2)J	MCDONOUGH	874	326
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

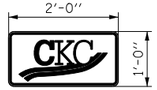
W16-8P

W16-8P

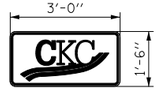
W19-4



W19-5



M4-I110



M4-I110

NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION
950-WP-02	2997+21	67-WP-17	440+51	336-WP-31	862+82	336-WP-35	867+82	67-WP-64	457+15	136-WP-13	500+72	336-WP-43	579+30
950-WP-05	3013+54					336-WP-36	867+82	67-WP-55	446+75	136-WP-17	521+41	336-WP-47	869+72
								67-WP-58	450+75	136-WP-21	523+99	RDC-WP-50	214+00
								67-WP-62	454+29	136-WP-25	526+26	RDC-WP-51	216+00
								67-WP-67	455+84			RDC-WP-52	219+09
								67-WP-71	459+12				
								67-WP-75	461+11				

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	DRAWN - RC	REVISED -
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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 4 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2)J	MCDONOUGH	874	327
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75

Panel Style: Guide_sign_recreational.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	336–BS–03, 336–BS–13
WIDTH x HGHT.	14'–6" x 6'–6"
BORDER WIDTH	2"
CORNER RADIUS	9.75"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Brown
LEGEND/BORDER	TYPE: AP Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide_sign_recreational.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIES/SIZE
W	e	s	t	e	r	n	l	l	l	i	n	o	i	s			
11.9	26.5	36.8	47.2	56.2	67.9	76.7	96.7	103.1	110.3	117.5	124.7	136.4	148.3	154.1		150.1	EM 2000 12/9
U	n	i	v	e	r	s	i	t	y							99.9	EM 2000 12/9
37.1	50.9	63.6	69.5	81.1	92.8	100.3	112	118	126.7								
N	E	X	T	E	X	I	T									77.7	EM 2000 10
48.2	59.1	67.9	77.7	95.1	103.9	114.7	118.5										

FILE NAME = E:\2006\Plan Sheets\D468418-sht-details_sign05.dgn

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	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

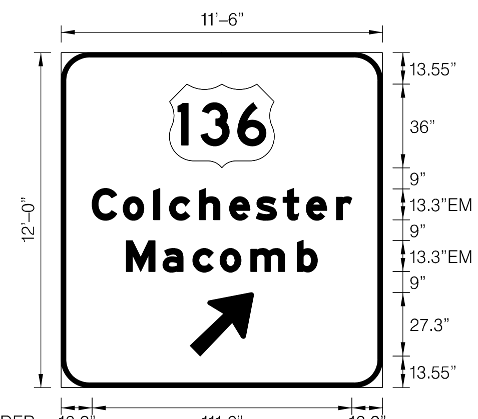
SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 5 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	328
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75



BORDER
R = 12"
TH = 2"

Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

SIGN NUMBER	336–BS–04, 336–BS–07
WIDTH x HGHT.	11'–6" x 12'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	46.5	94.4	45	36
AR_Type A	45	55.4	13.6	22.3	35.6

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
C	o	l	c	h	e	s	t	e	r		EM 2000
13.2	26.5	39.7	46.5	59.4	72.3	83.7	95.3	105.2	118.1	111.6	13.3/10
M	a	c	o	m	b						EM 2000
27.9	43.6	56.5	68.2	81.4	101.3					82.2	13.3/10

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign06.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 6 OF 16 SHEETS | STA. | TO STA.

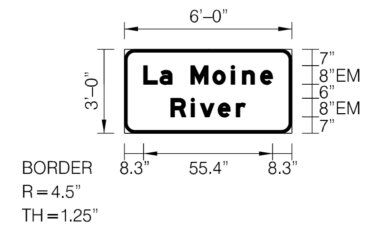
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	329

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	336–WP–10, 336–WP–11
WIDTH x HGHT.	6'–0" x 3'–0"
BORDER WIDTH	1.25"
CORNER RADIUS	4.5"
MOUNTING	Ground
BACKGROUND	TYPE: AP Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: AP Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

								LENGTH	SERIES/SIZE
L	a		M	o	i	n	e		EM 2000
8.3	15.2		28.5	38	45.9	50.7	58.4	55.4	8/6
R	i	v	e	r					EM 2000
20	28.6	32.5	40.3	48				32.1	8/6

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign07.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 7 OF 16 SHEETS | STA. | TO STA.

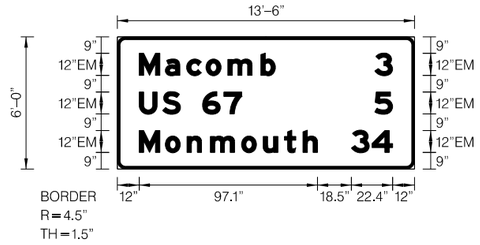
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	330

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	336–WP–14
WIDTH x HGHT.	13'–6" x 6'–0"
BORDER WIDTH	1.5"
CORNER RADIUS	4.5"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																	LENGTH	SERIES/SIZE
M	a	c	o	m	b																													EM 2000
12	26.2	37.8	48.4	60.2	78.2																												74.2	12/9
3																																		EM 2000
140.3																																	9.7	12
U	S		6	7																														EM 2000
12	24.7		46.4	58.1																													55.8	12
5																																		EM 2000
140.3																																	9.7	12
M	o	n	m	o	u	t	h																											EM 2000
12	26.2	38	50.8	67.7	79.6	91.1	101.2																										97.1	12/9
3	4																																	EM 2000
127.6	138.9																																22.4	12

FILE NAME = E:\2006\Plan Sheets\D468418-sht-details_sign08.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - RC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

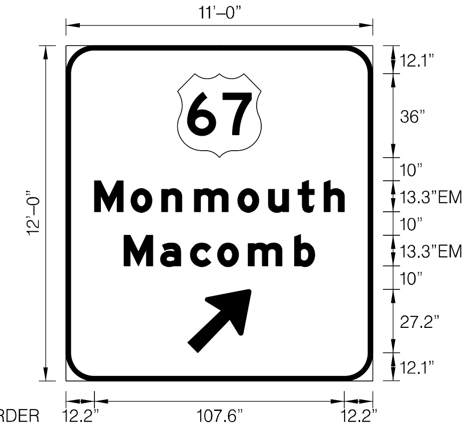
SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 8 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	331
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75



BORDER
R = 12"
TH = 2"

Panel Style: guide_sign.ssi
Dimensions are in inches.tenths

Panel Style: guide_sign.ssi
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	336–BS–39
WIDTH x HGHT.	11'–0" x 12'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	48	95.9	36	36
AR_Type A	45	52.4	12.1	22.3	35.6

LETTER POSITIONS (X)

								LENGTH	SERIES/SIZE
M	o	n	m	o	u	t	h		EM 2000
12.2	27.9	41.1	55.2	73.9	87.1	99.9	111	107.6	13.3/10
M	a	c	o	m	b				EM 2000
24.9	40.6	53.5	65.2	78.4	98.3			82.2	13.3/10

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign09.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 9 OF 16 SHEETS | STA. | TO STA.

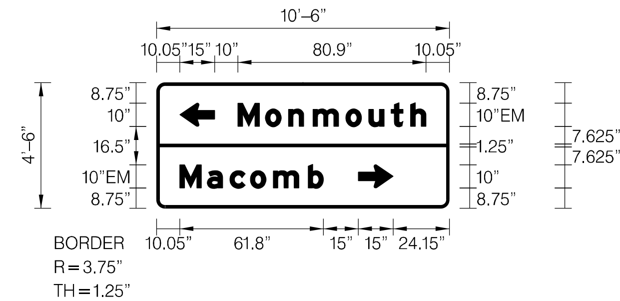
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	332

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	RDC–WP–28
WIDTH x HGHT.	10'–6" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	90	10	35.2	10	15
AR_Type D	270	86.8	8.7	10	15

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																																					LENGTH	SERIES/SIZE
M	o	n	m	o	u	t	h																															EM 2000
35.1	46.9	56.8	67.4	81.5	91.4	101	109.4																														80.9	10/7.5
M	a	c	o	m	b																																	EM 2000
10.1	21.9	31.6	40.4	50.3	65.3																																61.8	10/7.5

FILE NAME =
E:\1006\Plan Sheets\D468418-sht-details_sign10.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

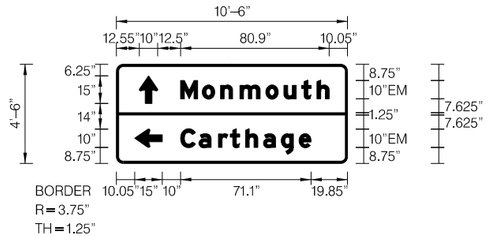
SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 10 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	333
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75



Panel Style: guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	67–WP–28
WIDTH x HGHT.	10'–6" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	12.5	32.8	10	15
AR_Type D	90	10	8.8	10	15

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																			LENGTH	SERIES/SIZE
M	o	n	m	o	u	t	h																														EM 2000
35	46.8	56.7	67.3	81.4	91.3	100.9	109.3																													80.9	107.5
C	a	r	t	h	a	g	e																														EM 2000
35	45	55.6	62	70.4	80.1	89.8	99.5																													71.1	107.5

FILE NAME = E:\2006\Plan Sheets\D468418-sht-details_sign1.dgn

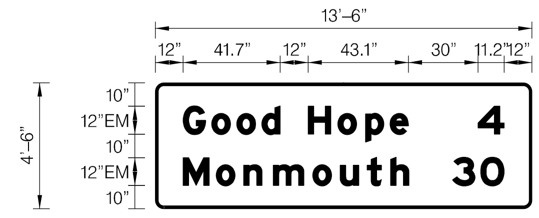
USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - RC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	**SIGNING DETAILS**
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	**SIGNING PLANS**

SCALE: NONE | SHEET NO. 11 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	334
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75



BORDER
R = 3.75"
TH = 1.25"

Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	67–WP–44
WIDTH x HGHT.	13'–6" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

									LENGTH	SERIES/SIZE
G	o	o	d		H	o	p	e		EM 2000
12	24.2	35	45.8		65.8	78.5	90.4	100.9	96.8	12/9
4										EM 2000
138.8									11.2	12
M	o	n	m	o	u	t	h			EM 2000
12	26.2	38	50.8	67.7	79.6	91.1	101.2		97.1	12/9
3	0									EM 2000
127.8	139.9								22.2	12

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign12.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 12 OF 16 SHEETS | STA. | TO STA.

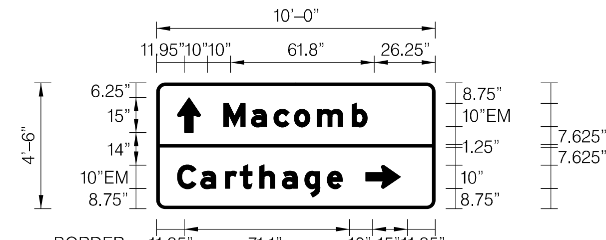
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	335

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



BORDER
R = 3.75"
TH = 1.25"

Panel Style: guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	67–WP–43
WIDTH x HGHT.	10'–0" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	9	31.5	10	15
AR_Type D	270	90	7.5	10	15

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

								LENGTH	SERIES/SIZE
M	a	c	o	m	b				EM 2000
29	40.8	50.5	59.3	69.2	84.2			61.8	10/7.5
C	a	r	t	h	a	g	e		EM 2000
9	19	29.6	36	44.4	54.1	63.8	73.5	71.1	10/7.5

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign13.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 13 OF 16 SHEETS | STA. | TO STA.

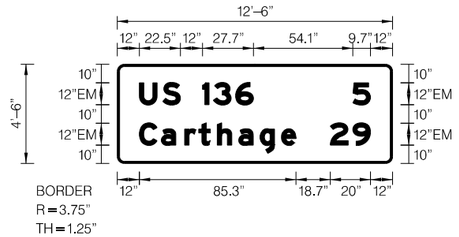
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	336

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	336–WP–29
WIDTH x HGHT.	12'–6" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																	LENGTH	SERIES/SIZE
U	S		1	3	6																													EM 2000
12	24.7		46.4	52.3	64.4																												62.2	12
5																																		EM 2000
128.3																																	9.7	12
C	a	r	t	h	a	g	e																											EM 2000
12	24	36.7	44.4	54.5	66.1	77.8	89.4																										85.3	129
2	9																																	EM 2000
116	128.3																																22	12

FILE NAME = E:\2006\Plan Sheets\D468418-sht-details_sign14.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

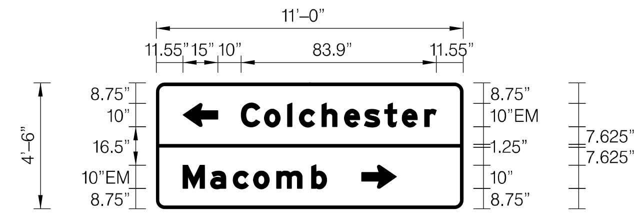
SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 14 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	337
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN DETAIL

1:75



BORDER
R = 3.75"
TH = 1.25"

Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	RL–WP–28
WIDTH x HGHT.	11'–0" x 4'–6"
BORDER WIDTH	1.25"
CORNER RADIUS	3.75"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	90	11.6	35.2	10	15
AR_Type D	270	88.4	8.7	10	15

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
C	o	l	c	h	e	s	t	e	r		EM 2000
36.6	46.6	56.5	61.6	71.3	81	89.6	98.3	105.8	115.5	83.9	10/7.5
M	a	c	o	m	b						EM 2000
11.6	23.4	33.1	41.9	51.8	66.8					61.8	10/7.5

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign15.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 15 OF 16 SHEETS | STA. | TO STA.

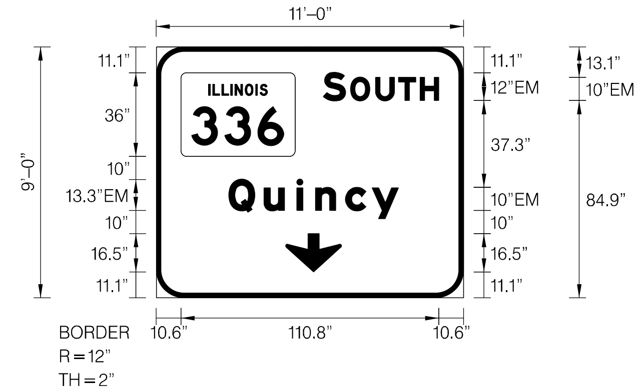
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	338

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN DETAIL

1:75



Panel Style: Guide_sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	336–BM–44
WIDTH x HGHT.	11'–0" x 9'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Sheeting
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ Sheeting
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1–I100	0	10.6	60.9	49.1	36
ARDOWN	0	55.6	11.1	24	16.5

Panel Style: Guide_sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

						LENGTH	SERIES/SIZE
S	O	U	T	H			EM 2000
71.7	83.4	94.2	104.1	113.3		49.7	12,10
Q	u	i	n	c	y		EM 2000
31.2	46.3	60.4	68.4	81.3	92.7	72.9	13.3/10

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign16.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:6.87841	CHECKED - ST	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SIGNING PLANS

SCALE: NONE | SHEET NO. 16 OF 16 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	339
		CONTRACT NO. 68B44		

FED. ROAD DIST. NO. 4 | ILLINOIS

SIGN SCHEDULE							72000100	72000200	72000300	72800100		73000100		73100100	72700100						73400100	X7330064
					SIGN AREA		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL SIGN SUPPORT	STEEL POST SIZE	STUB POST LENGTH	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT PER FOOT	STRUCT STEEL SIGN SUPPORT BREAKAWAY	CONCRETE FOUNDATIONS	SIGN SUPPORT SPECIAL
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	(EACH)		(FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	(POUND)	(POUND)	(CU YD)	(EACH)
110-WP-01	6003+26	RT	CO. ROAD 1100	W3-1	2.50	2.50	6.25					17.00										
110-WP-02	6006+50	RT	CO. ROAD 1100	R1-1	2.50	2.50	6.25					16.00										
110-WP-03				W4-4P	2.00	1.00	2.00															
110-WP-04	6007+86	LT	CO. ROAD 1100	R1-1	2.50	2.50	6.25					16.00										
110-WP-05				W4-4P	2.00	1.00	2.00															
110-WP-06	6009+23	LT	CO. ROAD 1100	W14-3	4.00	3.00	6.00					16.50										
110-WP-07	6011+10	LT	CO. ROAD 1100	W3-1	2.50	2.50	6.25					17.00										
110-WP-08	6028+39	RT	CO. ROAD 1100	W14-3	4.00	3.00	6.00					15.50										
136-WP-01	500+72	RT	US 136	M3-1	2.00	1.00	2.00					20.00										
136-WP-02				M1-I100	2.50	2.00	5.00															
136-WP-03				M5-1R	1.75	1.25	2.19															
136-WP-12				M1-I100	2.50	2.00	5.00															
136-WP-13				M4-I100	2.00	1.00	2.00															
136-WP-14				M5-1R	1.75	1.25	2.19															
136-WP-04	521+41	RT	US 136	M3-1	2.00	1.00	2.00					20.00										
136-WP-05				M1-I100	2.50	2.00	5.00															
136-WP-06				M6-1R	1.75	1.25	2.19															
136-WP-16				M1-I100	2.50	2.00	5.00															
136-WP-17				M4-I100	2.00	1.00	2.00															
136-WP-18				M6-1R	1.75	1.25	2.19															
136-WP-07	523+99	LT	US 136	M3-1	2.00	1.00	2.00					20.00										
136-WP-08				M1-I100	2.50	2.00	5.00															
136-WP-09				M6-1L	1.75	1.25	2.19															
136-WP-20				M1-I100	2.50	2.00	5.00															
136-WP-21				M4-I100	2.00	1.00	2.00															
136-WP-22				M6-1L	1.75	1.25	2.19															
136-WP-10	526+26	LT	US 136	M5-1L	1.75	1.25	2.19															
136-WP-24				M1-I100	2.50	2.00	5.00															
136-WP-25				M4-I100	2.00	1.00	2.00															
136-WP-26				M5-1L	1.75	1.25	2.19															
140-WP-01	10+30	LT	CO. ROAD 1400	R1-1	2.50	2.50	6.25					16.00										
140-WP-02	10+61	RT	CO. ROAD 1400	W1-1L	2.50	2.50	6.25					17.50										
140-WP-03				W13-1P	1.50	1.50	2.25															
140-WP-04	12+62	RT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-05				W1-8L	1.50	2.00	3.00															
140-WP-06	13+75	LT	CO. ROAD 1400	W3-1	2.50	2.50	6.25					17.00										
140-WP-07	13+42	RT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-08				W1-8L	1.50	2.00	3.00															
140-WP-09	14+22	RT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-10				W1-8L	1.50	2.00	3.00															

FILE NAME = E:\1205\Plan Sheets\1468418-sht-details-sign17.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - RC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 1 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	340
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	SIGN AREA WIDTH (FT)	SIGN AREA HEIGHT (FT)	72000100 SIGN PANEL TYPE 1 (SQ FT)	72000200 SIGN PANEL TYPE 2 (SQ FT)	72000300 SIGN PANEL TYPE 3 (SQ FT)	72800100 TELESCOPING STEEL SIGN SUPPORT POST 1 (FOOT)	72800100 TELESCOPING STEEL SIGN SUPPORT POST 2 (FOOT)	73000100 WOOD SIGN SUPPORT POST 1 (FOOT)	73000100 WOOD SIGN SUPPORT POST 2 (FOOT)	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)	72700100 STEEL POST SIZE	72700100 STUB POST LENGTH (FOOT)	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY POST 1 (FOOT)	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY POST 2 (FOOT)	72700100 WEIGHT PER FOOT (POUND)	72700100 STRUCT STEEL SIGN SUPPORT BREAKAWAY (POUND)	73400100 CONCRETE FOUNDATIONS (CU YD)	X7330064 SIGN SUPPORT SPECIAL (EACH)
140-WP-11	15+02	RT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-12				W1-8L	1.50	2.00	3.00															
140-WP-15	15+82	RT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-16				W1-8L	1.50	2.00	3.00															
140-WP-17	17+58	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-18				W1-8L	1.50	2.00	3.00															
140-WP-19	18+38	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-20				W1-8L	1.50	2.00	3.00															
140-WP-21	19+18	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-22				W1-8L	1.50	2.00	3.00															
140-WP-23	19+98	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-24				W1-8L	1.50	2.00	3.00															
140-WP-25	20+78	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-26				W1-8L	1.50	2.00	3.00															
140-WP-27	21+58	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-28				W1-8L	1.50	2.00	3.00															
140-WP-29	22+38	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-30				W1-8L	1.50	2.00	3.00															
140-WP-31	23+18	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-32				W1-8L	1.50	2.00	3.00															
140-WP-33	23+98	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-34				W1-8L	1.50	2.00	3.00															
140-WP-35	24+78	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-36				W1-8L	1.50	2.00	3.00															
140-WP-37	25+58	LT	CO. ROAD 1400	W1-8R	1.50	2.00	3.00					14.50										
140-WP-38				W1-8L	1.50	2.00	3.00															
140-WP-13	27+20	LT	CO. ROAD 1400	W13-1P	1.50	1.50	2.25					17.50										
140-WP-14				W1-2L	2.50	2.50	6.25															
336-WP-01	490+27	RT	IL 336	M2-1	2.50	1.75	4.38					16.00										
336-WP-02	490+27	RT	IL 336	M1-4	3.75	3.00		11.25														
336-BS-03	530+04	RT	IL 336	W. ILLINOIS UNIV.	14.50	6.50			94.25						W6 X 15	2.5	13.1	12.9	15.0	465.0	1.40	
336-WP-75	537+00	RT	IL 336	R2-1	4.00	5.00		20.00				16.00										
336-WP-48	539+00	RT	IL 336	W9-1L	4.00	4.00		16.00				17.00										
336-WP-49	539+00	RT	IL 336	W9-1L	4.00	4.00		16.00				17.00										
336-BS-04	543+45	RT	IL 336	COL/MACOMB EXIT	11.50	12.00			138.00						W12 X 26	3.0	21.9	23.6	26.0	1339.0	2.82	
336-WP-05	546+62	LT	IL 336	W4-1	4.00	4.00		16.00				17.50										
336-WP-50	547+50	RT	IL 336	W4-2L	4.00	4.00		16.00				17.00										
336-WP-51	547+50	RT	IL 336	W4-2L	4.00	4.00		16.00				17.00										
336-WP-06	550+03	RT	IL 336	E5-1	6.00	5.00			30.00			18.00										

FILE NAME = E:\1205\Plan Sheets\D468418-sht-details-sign18.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - RC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

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SIGNING PLANS

SCALE: NONE | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	341
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE					SIGN AREA		72000100	72000200	72000300	72800100		73000100		73100100	72700100							73400100	X7330064
							SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL SIGN SUPPORT	STEEL POST SIZE	STUB POST LENGTH	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT PER FOOT	STRUCT STEEL SIGN SUPPORT BREAKAWAY	CONCRETE FOUNDATIONS	SIGN SUPPORT SPECIAL
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	(EACH)		(FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	(POUND)	(POUND)	(CU YD)	(EACH)
336-TS-61	557+40	RT	IL 336	W1-8R	3.00	4.00		12.00		16.0												
336-SP-62	559+00	RT	IL 336	W1-8R	3.00	4.00		12.00														1
336-SP-63	560+60	RT	IL 336	W1-8R	3.00	4.00		12.00														1
336-SP-64	562+20	RT	IL 336	W1-8R	3.00	4.00		12.00														1
336-SP-65	563+80	RT	IL 336	W1-8R	3.00	4.00		12.00														1
336-BM-44	569+60	LT	IL 336	WEST SOUTH QUINCY	11.00	9.00			99.00													
336-BS-07	570+03	LT	IL 336	COL/MACOMB EXIT	11.50	12.00			138.00						W12 X 26	3.0	20.9	22.1	26.0	1274.0	2.82	
336-TS-67	571+23	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												
336-TS-68	572+83	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												
336-WP-52	576+00	RT	IL 336	W6-2	4.00	4.00		16.00				17.50										
336-WP-08	579+30	RT	IL 336	M3-1	3.00	1.50	4.50					23.50										
336-WP-09				M1-I100	3.75	3.00		11.25														
336-WP-10				I-3	6.00	3.00		18.00														
336-WP-42				M1-I100	3.75	3.00		11.25														
336-WP-43				M4-I100	3.00	1.50	4.50															
336-WP-54	579+30	RT	IL 336	W6-3	4.00	4.00		16.00				17.50										
336-WP-53	579+50	RT	IL 336	W6-1	4.00	4.00		16.00				17.50										
336-WP-11	587+20	RT	IL 336	I-3	6.00	3.00		18.00				15.50										
336-WP-12	590+50	RT	IL 336	R2-1	4.00	5.00		20.00				18.50										
336-WP-55				W14-3	4.00	3.00	6.00															
336-BS-13	595+44	LT	IL 336	W. ILLINOIS UNIV.	14.50	6.50			94.25						W8 X 18	2.5	16.1	14.8	18.0	646.2	1.40	
336-WP-14	600+50	RT	IL 336	D2-1	13.50	6.00			81.00			21.00	21.00									
336-WP-15	622+40	LT	IL 336	M2-1	2.50	1.75	4.38					16.00										
336-WP-16	622+40	LT	IL 336	M1-4	3.75	3.00		11.25														
336-WP-17	715+00	RT	IL 336	R2-1	4.00	5.00		20.00				18.50										
336-WP-18	715+00	RT	IL 336	R2-1	4.00	5.00		20.00				18.50										
336-WP-56	796+75	RT	IL 336	W14-3	4.00	3.00	6.00					17.50										
336-WP-57	810+25	RT	IL 336	W14-3	4.00	3.00	6.00					17.50										
336-WP-27	825+00	RT	IL 336	M2-1	2.50	1.75	4.38					16.00										
336-WP-28	825+00	RT	IL 336	M1-4	3.00	3.00	9.00															
336-WP-29	849+72	RT	IL 336	D2-2	12.50	4.50			56.25			19.50	19.50									
336-WP-58				W14-3	4.00	3.00	6.00															
336-WP-30	858+00	RT	IL 336	R2-1	4.00	5.00		20.00				18.50										
336-WP-59	859+71	RT	IL 336	W6-3	4.00	4.00		16.00				18.00										
336-WP-31	862+82	RT	IL 336	W19-4	4.00	4.00		16.00				19.00										
336-WP-32				W16-2P	2.50	2.00	5.00															
336-WP-35	867+82	RT	IL 336	W19-5	7.50	4.00			30.00			18.00	18.50									
336-WP-36	867+82	RT	IL 336	W19-5	7.50	4.00			30.00			17.50	18.00									
336-TS-69	868+94	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												

FILE NAME = E:\1205\Plan Sheets\D468418-sht-details-sign19.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS**
	DRAWN - RC	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

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SCALE: NONE | SHEET NO. 3 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	342
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	SIGN AREA WIDTH (FT)	SIGN AREA HEIGHT (FT)	72000100 SIGN PANEL TYPE 1 (SQ FT)	72000200 SIGN PANEL TYPE 2 (SQ FT)	72000300 SIGN PANEL TYPE 3 (SQ FT)	72800100 TELESCOPING STEEL SIGN SUPPORT POST 1 (FOOT)	72800100 TELESCOPING STEEL SIGN SUPPORT POST 2 (FOOT)	73000100 WOOD SIGN SUPPORT POST 1 (FOOT)	73000100 WOOD SIGN SUPPORT POST 2 (FOOT)	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)	72700100 STEEL POST SIZE	72700100 STUB POST LENGTH (FOOT)	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY POST 1 (FOOT)	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY POST 2 (FOOT)	72700100 WEIGHT PER FOOT (POUND)	72700100 STRUCT STEEL SIGN SUPPORT BREAKAWAY (POUND)	73400100 CONCRETE FOUNDATIONS (CU YD)	X7330064 SIGN SUPPORT SPECIAL (EACH)
336-WP-37	869+72	LT	IL 336	M3-3	3.00	1.50	4.50					20.00										
336-WP-38				M1-I100	3.75	3.00		11.25														
336-WP-46				M1-I100	3.75	3.00		11.25														
336-WP-47				M4-I100	3.00	1.50	4.50															
336-TS-70	870+54	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												
336-TS-71	872+14	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												
336-TS-72	873+74	LT	IL 336	W1-8L	3.00	4.00		12.00		14.0												
336-WP-60	874+72	LT	IL 336	W4-2R	4.00	4.00		16.00				18.00										
336-WP-66	874+72	LT	IL 336	W4-2R	4.00	4.00		16.00				18.00										
336-BS-39	877+83	RT	IL 336	MON/MACOMB EXIT	11.00	12.00			132.00						W12 X 26	3.0	21.2	22.3	26.0	1287.0	2.82	
336-TS-73	878+38	RT	IL 336	W1-8R	3.00	4.00		12.00		14.0												
336-TS-74	879+98	RT	IL 336	W1-8R	3.00	4.00		12.00		14.0												
336-WP-40	886+56	RT	IL 336	R11-I100	3.00	2.50	7.50					14.50	14.50									
67-WP-01	434+23	CL	US 67	R4-7	2.00	2.50	5.00					14.50										
67-WP-02	434+11	RT	US 67	R6-1L	4.50	1.50	6.75					16.00										
67-WP-03	434+17	LT	US 67	R1-1	3.00	3.00	9.00					17.00										
67-WP-04	434+56	LT	US 67	R6-1L	4.50	1.50	6.75					18.50										
67-WP-05				R6-1R	4.50	1.50	6.75															
67-WP-06				R1-1	3.00	3.00	9.00															
67-WP-07				R6-3	2.50	2.00	5.00															
67-WP-08	435+00	RT	US 67	R6-1L	4.50	1.50	6.75					18.50										
67-WP-09				R6-1R	4.50	1.50	6.75															
67-WP-10				R1-1	3.00	3.00	9.00															
67-WP-11				R6-3	2.50	2.00	5.00															
67-WP-12	435+31	RT	US 67	R1-1	3.00	3.00	9.00					16.50										
67-WP-13	435+32	CL	US 67	R4-7	2.00	2.50	5.00					14.50										
67-WP-14	435+60	LT	US 67	R6-1L	4.50	1.50	6.75					16.50										
67-WP-15	439+50	LT	US 67	D7-2								16.50	16.00									
67-WP-16	440+51	LT	US 67	W2-1	2.50	2.50	6.25					18.00										
67-WP-17				W16-8P	2.00	0.67	1.33															
67-WP-19	442+85	LT	US 67	M3-3	2.00	1.00	2.00					17.00										
67-WP-20				M1-4	2.00	2.00	4.00															
67-WP-23	444+71	RT	US 67	R3-2	3.00	3.00	9.00					16.50										
67-WP-24	445+89	LT	US 67	R3-1	3.00	3.00	9.00					17.00										
67-TS-25	446+74	LT	US 67	R3-2	3.00	3.00	9.00			10.00				1								
67-WP-26	446+75	RT	US 67	M2-1	1.75	1.25	2.19					18.00										
67-WP-27				M1-I100	2.50	2.00	5.00															
67-WP-54				M1-I100	2.50	2.00	5.00															
67-WP-55				M4-I100	2.00	1.00	2.00															

FILE NAME = E:\1205\Plan Sheets\D468418-sht-details-sign20.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 4 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	343
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE							72000100	72000200	72000300	72800100		73000100		73100100	72700100						73400100	X7330064
					SIGN AREA		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL	STEEL POST	STUB POST	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT	STRUCT STEEL SIGN SUPPORT	CONCRETE	SIGN SUPPORT
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	SIGN SUPPORT (EACH)	SIZE	LENGTH (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	PER FOOT (POUND)	BREAKAWAY (POUND)	FOUNDATIONS (CU YD)	SPECIAL (EACH)
67-WP-28	448+25	RT	US 67	D1-2	10.50	4.50			47.25			18.00	18.50									
67-WP-29	450+75	RT	US 67	M3-3	2.00	1.00	2.00					18.50										
67-WP-30				M1-I100	2.50	2.00	5.00															
67-WP-31				M5-1L	1.75	1.25	2.19															
67-WP-57				M1-I100	2.50	2.00	5.00															
67-WP-58				M4-I100	2.00	1.00	2.00															
67-WP-59				M5-1L	1.75	1.25	2.19															
67-WP-32	451+55	LT	US 67	R3-2	3.00	3.00	9.00					16.50										
67-WP-33	454+29	RT	US 67	M3-3	2.00	1.00	2.00					17.00										
67-WP-34				M1-I100	2.50	2.00	5.00															
67-WP-35				M6-1L	1.75	1.25	2.19															
67-WP-61				M1-I100	2.50	2.00	5.00															
67-WP-62				M4-I100	2.00	1.00	2.00															
67-WP-63				M6-1L	1.75	1.25	2.19															
67-WP-36	455+84	LT	US 67	M3-3	2.00	1.00	2.00					18.50										
67-WP-37				M1-I100	2.50	2.00	5.00															
67-WP-38				M6-1R	1.75	1.25	2.19															
67-WP-66				M1-I100	2.50	2.00	5.00															
67-WP-67				M4-I100	2.00	1.00	2.00															
67-WP-68				M6-1R	1.75	1.25	2.19															
67-WP-39	457+15	RT	US 67	M3-1	2.00	1.00	2.00					17.00										
67-WP-40				M1-4	2.00	2.00	4.00															
67-WP-42				M1-I100	2.50	2.00	5.00															
67-WP-64				M4-I100	2.00	1.00	2.00															
67-WP-43	457+63	LT	US 67	D1-2	10.00	4.50			45.00			18.50	18.50									
67-WP-44	458+15	RT	US 67	D2-2	13.50	4.50			60.75			18.00	19.00									
67-WP-45	459+12	LT	US 67	M3-3	2.00	1.00	2.00					18.00										
67-WP-46				M1-I100	2.50	2.00	5.00															
67-WP-47				M5-1R	1.75	1.25	2.19															
67-WP-70				M1-I100	2.50	2.00	5.00															
67-WP-71				M4-I100	2.00	1.00	2.00															
67-WP-72				M5-1R	1.75	1.25	2.19															
67-WP-48	461+01	RT	US 67	R6-1R	4.50	1.50	6.75					15.50										
67-WP-49	461+11	LT	US 67	M2-1	1.75	1.25	2.19					17.00										
67-WP-50				M1-I100	2.50	2.00	5.00															
67-WP-74				M1-I100	2.50	2.00	5.00															
67-WP-75				M4-I100	2.00	1.00	2.00															
67-WP-51	461+28	RT	US 67	R6-1R	4.50	1.50	6.75					18.00										
67-WP-52				R1-1	2.50	2.50	6.25															

FILE NAME = E:\1205\Plan Sheets\D468418-sht-details-sign21.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
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PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	344
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE							72000100	72000200	72000300	72800100		73000100		73100100	72700100						73400100	X7330064
					SIGN AREA		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL	STEEL POST	STUB POST	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT	STRUCT STEEL SIGN SUPPORT	CONCRETE	SIGN SUPPORT
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	SIGN SUPPORT (EACH)	SIZE	LENGTH (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	PER FOOT (POUND)	BREAKAWAY (POUND)	FOUNDATIONS (CU YD)	SPECIAL (EACH)
950-WP-01	2997+21	RT	CO. ROAD. 950	W2-2R	2.50	2.50	6.25					13.50										
950-WP-02				W16-8P	2.00	0.67	1.33															
950-WP-03	3002+46	LT	CO. ROAD. 950	W14-3	4.00	3.00	6.00					13.50										
950-WP-04	3013+54	LT	CO. ROAD. 950	W2-2L	2.50	2.50	6.25					13.50										
950-WP-05				W16-8P	2.00	0.67	1.33															
950-WP-06	3021+51	RT	CO. ROAD. 950	W14-3	4.00	3.00	6.00					13.50										
C20-WP-01	5000+80	LT	CO. HWY. 20	W14-3	4.00	3.00	6.00					14.50										
C20-WP-02	5001+01	LT	CO. HWY. 20	R1-1	2.50	2.50	6.25					14.00										
C20-WP-03	5020+55	RT	CO. HWY. 20	W14-3	4.00	3.00	6.00					16.50										
FRT-WP-01	10837+99	LT	FRONTAGE RD.	R1-1	2.50	2.50	6.25					15.50										
RBA-WP-01	323+50	RT	RAMP A	W13-3	3.00	4.00		12.00				17.50										
RDC-WP-01	203+01	RT	RAMP D	W13-2	3.00	4.00		12.00				17.50										
RDC-WP-02	206+00	RT	RAMP D	W1-2R	3.00	3.00	9.00					19.00										
RDC-WP-03				W13-1P	2.50	2.50	6.25															
RDC-WP-04	206+65	LT	RAMP D	E5-1	6.00	5.00			30.00			19.00										
RDC-WP-05	208+00	RT	RAMP D	W13-3	3.00	4.00		12.00				17.50										
RDC-WP-06	209+60	LT	RAMP D	W1-8R	3.00	4.00		12.00				14.50										
RDC-WP-07	211+20	LT	RAMP D	W1-8R	3.00	4.00		12.00				14.50										
RDC-WP-08	212+80	LT	RAMP D	W1-8R	3.00	4.00		12.00				14.50										
RDC-WP-09	214+00	RT	RAMP D	W3-1	4.00	4.00		16.00				17.50										
RDC-WP-10	214+00	RT	RAMP D	M2-1	2.50	1.75	4.38					19.50										
RDC-WP-11				M1-4	3.00	3.00	9.00															
RDC-WP-13				M1-I100	3.75	3.00		11.25														
RDC-WP-50				M4-I100	3.00	1.50	4.50															
RDC-WP-14	216+00	LT	RAMP D	R5-1a	3.50	2.50	8.75					16.50										
RDC-WP-15	216+00	RT	RAMP D	M3-1	3.00	1.50	4.50					20.50										
RDC-WP-16				M1-4	3.00	3.00	9.00															
RDC-WP-17				M5-1L	2.50	1.75	4.38															
RDC-WP-19				M1-I100	3.75	3.00		11.25														
RDC-WP-20				M5-1L	2.50	1.75	4.38															
RDC-WP-51				M4-I100	3.00	1.50	4.50															
RDC-WP-21	216+00	RT	RAMP D	M3-3	3.00	1.50	4.50					20.50										
RDC-WP-22				M1-4	3.00	3.00	9.00															
RDC-WP-23				M5-1R	2.50	1.75	4.38															
RDC-WP-27				R5-1a	3.50	2.50	8.75															
RDC-WP-28	218+00	RT	RAMP D	D1-2	10.50	4.50			47.25			18.00	18.50									
RDC-WP-29	219+09	RT	RAMP D	M3-1	3.00	1.50	4.50					21.00										
RDC-WP-30				M1-4	3.00	3.00	9.00															
RDC-WP-31				M6-1L	2.50	1.75	4.38															
RDC-WP-33				M1-I100	3.75	3.00		11.25														
RDC-WP-34				M6-1L	2.50	1.75	4.38															
RDC-WP-52				M4-I100	3.00	1.50	4.50															

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USER NAME = Lin21	DESIGNED - RC	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	345
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE							72000100	72000200	72000300	72800100		73000100		73100100	72700100						73400100	X7330064
					SIGN AREA		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL	STEEL POST	STUB POST	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT	STRUCT STEEL SIGN SUPPORT	CONCRETE	SIGN SUPPORT
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	SIGN SUPPORT (EACH)	SIZE	LENGTH (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	PER FOOT (POUND)	BREAKAWAY (POUND)	FOUNDATIONS (CU YD)	SPECIAL (EACH)
RDC-WP-35	219+09	RT	RAMP D	M3-3	3.00	1.50	4.50					20.50										
RDC-WP-36				M1-4	3.00	3.00	9.00															
RDC-WP-37				M6-1R	2.50	1.75	4.38															
RDC-WP-41	219+75	RT	RAMP D	R1-1	3.00	3.00	9.00					16.50										
RDC-WP-42				R5-1	3.00	3.00	9.00															
RDC-WP-43	219+95	RT	RAMP D	R6-1L	4.50	1.50	6.75					16.50										
RDC-WP-44				R6-1R	4.50	1.50	6.75															
RDC-WP-45				R1-1	3.00	3.00	9.00															
RDC-WP-46				R5-1	3.00	3.00	9.00															
RDC-WP-47	219+96	LT	RAMP D	R6-1L	4.50	1.50	6.75					18.50										
RDC-WP-48				R6-1R	4.50	1.50	6.75															
RDC-WP-49				R5-1	3.00	3.00	9.00															
RK-WP-19	100+48	LT	RAMP K	R5-1	4.00	4.00		16.00														
RK-WP-15	100+60	LT	RAMP K	R4-7	4.00	5.00		20.00				18.00										
RK-WP-16	100+64	LT	RAMP K	R5-1	4.00	4.00		16.00				17.00										
RK-WP-17	100+85	LT	RAMP K	R6-1L	4.50	1.50	6.75															
RK-WP-18				R6-1R	4.50	1.50	6.75															
RK-WP-01	103+00	RT	RAMP K	W13-3	3.00	4.00		12.00				17.50										
RK-WP-02	109+20	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-03	110+00	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-04	110+80	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-05	111+60	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-06	112+40	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-07	113+20	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-08	114+00	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-09	114+80	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-10	115+60	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-11	116+40	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-12	117+20	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-13	118+00	LT	RAMP K	W1-8R	3.00	4.00		12.00				14.50										
RK-WP-14	119+17	LT	RAMP K	W4-1	4.00	4.00		16.00				16.00										
RL-WP-01	52+17	RT	RAMP L	W13-2	3.00	4.00		12.00				17.50										
RL-WP-02	53+16	RT	RAMP L	W1-11	4.00	4.00		16.00				20.00										
RL-WP-03				W13-1P	2.50	2.50	6.25															
RL-WP-04	56+65	LT	RAMP L	E5-1	6.00	5.00			30.00			18.50										
RL-WP-05	56+66	RT	RAMP L	W13-3	3.00	4.00		12.00				17.50										
RL-WP-06	60+92	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-07	61+73	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-08	62+53	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign23.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
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PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SCALE: NONE | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6),B,B-1,B-2)]	MCDONOUGH	874	346
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN SCHEDULE							72000100	72000200	72000300	72800100		73000100		73100100	72700100						73400100	X7330064
					SIGN AREA		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	TELESCOPING STEEL SIGN SUPPORT		WOOD SIGN SUPPORT		BASE FOR TELESCOPING STEEL	STEEL POST	STUB POST	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY		WEIGHT	STRUCT STEEL SIGN SUPPORT	CONCRETE	SIGN SUPPORT
SIGN NO.	STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	POST 1 (FOOT)	POST 2 (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	SIGN SUPPORT (EACH)	SIZE	LENGTH (FOOT)	POST 1 (FOOT)	POST 2 (FOOT)	PER FOOT (POUND)	BREAKAWAY (POUND)	FOUNDATIONS (CU YD)	SPECIAL (EACH)
RL-WP-09	63+33	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-10	64+13	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-11	64+93	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-12	65+00	RT	RAMP L	W3-1	4.00	4.00		16.00				18.00										
RL-WP-13	65+73	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.00										
RL-WP-14	66+53	LT	RAMP L	W1-8R	3.00	4.00		12.00				14.50										
RL-WP-15	67+00	RT	RAMP L	M2-1	2.50	1.75	4.38					18.50										
RL-WP-16				M1-4	3.75	3.00		11.25														
RL-WP-17	69+10	RT	RAMP L	M3-4	3.00	1.50	4.50					20.00										
RL-WP-18				M1-4	3.75	3.00		11.25														
RL-WP-19				M5-1L	2.50	1.75	4.38															
RL-WP-20				M3-2	3.00	1.50	4.50															
RL-WP-21				M1-4	3.75	3.00		11.25														
RL-WP-22				M5-1R	2.50	1.75	4.38															
RL-WP-26				R5-1a	3.50	2.50	8.75															
RL-WP-27	69+10	LT	RAMP L	R5-1a	3.50	2.50	8.75					16.50										
RL-WP-28	71+00	RT	RAMP L	D1-2	11.00	4.50			49.50			18.00	18.50									
RL-WP-29	72+00	RT	RAMP L	M3-4	3.00	1.50	4.50					20.00										
RL-WP-30				M1-4	3.75	3.00		11.25														
RL-WP-31				M6-1L	2.50	1.75	4.38															
RL-WP-32				M3-2	3.00	1.50	4.50															
RL-WP-33				M1-4	3.75	3.00		11.25														
RL-WP-34				M6-1R	2.50	1.75	4.38															
RL-WP-36	73+00	RT	RAMP L	R6-1L	4.50	1.50	6.75					18.00										
RL-WP-37				R6-1R	4.50	1.50	6.75															
RL-WP-38				R1-1	4.00	4.00		16.00														
RL-WP-35	73+08	RT	RAMP L	R4-7	4.00	5.00		20.00				16.00										
RL-WP-39	73+12	RT	RAMP L	R5-1	4.00	4.00		16.00				16.50										
RL-WP-40	73+18	CL	RAMP L	R6-1L	4.50	1.50	6.75					17.50										
RL-WP-41				R6-1R	4.50	1.50	6.75															
RL-WP-42				R1-1	4.00	4.00		16.00														
RL-WP-43				R5-1	4.00	4.00		16.00														
RL-WP-44	72+84	LT	RAMP L	R5-1	4.00	4.00		16.00				16.00										
TOTAL							958.00	1205.50	1232.50	138.00		2736.00		1						5011.20	11.26	4

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USER NAME = Lin21	DESIGNED - RC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
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PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	347
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN REMOVAL SCHEDULE				72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 RELOCATE SIGN PANEL - TYPE 2
STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	(EACH)	(EACH)	(SQ FT)	(SQ FT)
5001+07	LT	CO. HWY. 20	R1-1	1			
5001+18	RT	CO. HWY. 20	D3-1,D3-1	1			
5012+45	RT	CO. HWY. 20	W14-3	1			
5027+68	LT	CO. HWY. 20	W14-3	1			
6006+50	RT	CO. ROAD 1100	R1-1	1			
6007+86	LT	CO. ROAD 1100	R1-1	1			
533+00	RT	IL 336	W9-1L	1			
533+00	RT	IL 336	W9-1L	1			
537+00	RT	IL 336	W4-2R	1			
537+00	RT	IL 336	W4-2R	1			
546+30	RT	IL 336	R11-I100	1			
579+65	LT	IL 336	R11-I100/OM4-3		1		
579+65	RT	IL 336	R11-I100/OM4-3		1		
587+12	LT	IL 336	R11-I100/OM4-3		1		
587+12	RT	IL 336	R11-I100/OM4-3		1		
633+38	RT	IL 336	R11-I100/OM4-3		1		
633+56	LT	IL 336	R11-I100/OM4-3		1		
634+70	RT	IL 336	R11-I100/OM4-3		1		
634+87	LT	IL 336	R11-I100/OM4-3		1		
679+85	LT	IL 336	R11-I100/OM4-3		1		
680+32	RT	IL 336	R11-I100/OM4-3		1		
682+09	LT	IL 336	R11-I100/OM4-3		1		
682+62	RT	IL 336	R11-I100/OM4-3		1		
702+05	LT	IL 336	R11-I100/OM4-3		1		
702+05	RT	IL 336	R11-I100/OM4-3		1		
703+38	LT	IL 336	R11-I100/OM4-3		1		
703+38	RT	IL 336	R11-I100/OM4-3		1		
728+74	RT	IL 336	R11-I100/OM4-3		1		
729+22	LT	IL 336	R11-I100/OM4-3		1		
734+31	LT	IL 336	R11-I100/OM4-3		1		
734+31	RT	IL 336	R11-I100/OM4-3		1		
778+74	RT	IL 336	R11-I100/OM4-3		1		
779+24	LT	IL 336	R11-I100/OM4-3		1		
780+26	RT	IL 336	R11-I100/OM4-3		1		
780+76	LT	IL 336	R11-I100/OM4-3		1		
801+24	LT	IL 336	R11-I100/OM4-3		1		
802+18	RT	IL 336	R11-I100/OM4-3		1		
803+79	LT	IL 336	R11-I100/OM4-3		1		
804+83	RT	IL 336	R11-I100/OM4-3		1		
840+24	LT	IL 336	R11-I100/OM4-3		1		
840+24	RT	IL 336	R11-I100/OM4-3		1		
841+76	LT	IL 336	R11-I100/OM4-3		1		
841+76	RT	IL 336	R11-I100/OM4-3		1		
894+49	LT	IL 336	R11-I100/OM4-3		1		
894+49	RT	IL 336	R11-I100/OM4-3		1		
3012+30	LT	950E	W1-7	1			
3012+48	RT	950E	R1-1	1			

SIGN REMOVAL SCHEDULE				72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL - TYPE 1	72400320 RELOCATE SIGN PANEL - TYPE 2
STATION	OFFSET	ALIGNMENT	LEGEND/DESCRIPTION	(EACH)	(EACH)	(SQ FT)	(SQ FT)
323+00	LT	RAMP A	R11-I100/OM4-3		1		
218+50	LT	RAMP D	R11-I100/OM4-3		1		
101+44	CL	RAMP K	OM4-1	1			
101+44	CL	RAMP K	OM4-1	1			
503+00	RT	US 136	OM4-1	1			
503+00	RT	US 136	OM4-1	1			
521+00	RT	US 136	R3-1	1			
524+00	LT	US 136	R3-2	1			
526+26	LT	US 136	M5-1L			2.19	
433+77	CL	US 67	R5-1	1			
433+79	RT	US 67	R6-1L,R5-1	1			
434+15	LT	US 67	R1-1	1			
434+54	LT	US 67	R6-1L,R6-1R,R1-1,R6-3		1		
434+98	RT	US 67	R6-1L,R6-1R,R1-1,R6-3		1		
435+28	RT	US 67	R1-1	1			
435+77	LT	US 67	R6-1L,R5-1	1			
435+79	CL	US 67	R5-1	1			
439+50	LT	US 67	D7-2		1		13.75
442+18	LT	US 67	W2-1,W16-8P	1			
452+02	RT	US 67	R6-1L,R5-1	1			
452+03	CL	US 67	R5-1	1			
453+19	RT	US 67	R6-1L,R6-1R,R1-1,R6-3		1		
453+92	CL	US 67	R5-1	1			
453+93	LT	US 67	R6-1L,R5-1	1			
TOTAL				30	40	2.19	13.75

FILE NAME = E:\1006\Plan Sheets\0468418-sht-details_sign25.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -	
	DRAWN - RC	REVISED -	
PLOT SCALE = 1:100	CHECKED - ST	REVISED -	
PLOT DATE = 1/29/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	348
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

SIGN NUMBER	STATION		A	B	C*	D**
336-BS-03	530+04	RT	14.5	6.5	5	41.0
336-BS-04	543+45	RT	13.0	13.0	5	50.0
336-BS-07	570+03	LT	13.0	13.0	5	35.0
336-BS-13	595+44	LT	14.5	6.5	5	35.0
336-BS-39	877+83	RT	14.0	13.5	5	48.5

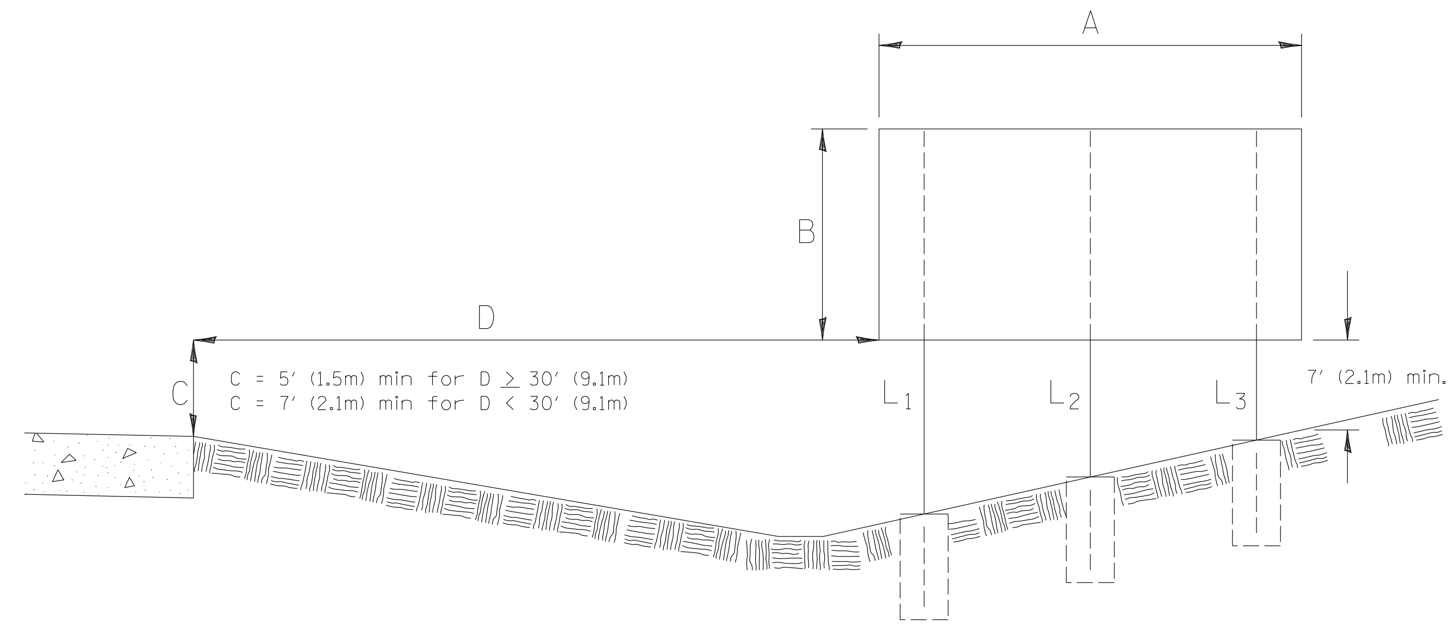
C * (A) For signs less than 30′(9.1m) from edge of pavement, the bottom edge of Sign shall be set level at an elevation of at least 7′(2.1m) above grade Elevation at edge of pavement.

(B) For signs 30′(9.1m) and greater from edge of pavement, the bottom edge of sign shall be set level at an elevation of at least 5′(1.5m) above grade elevation at edge of pavement.

(C) For signs on rising embankmentslopes, the bottom edge of the sign shall be set so as to obtain at least 7′(2.1 m) between the top of the stub post and the slot at the fuse plate on the far post. This may be reduced to 5′(1.5m) when the distance from the edge of pavement is 30′(9.1m) or greater and the slope is 1:2 or steeper or where it would be unlikely for an out of control vehicle to reach the post.

D ** All signs will be placed 35′(10.7m) or more off of main line wherever possible, except when placed behind guardrail. Signs on ramps will be placed 18′(5.5m) or more off the edge of pavement.

In general, the location of shoulder mounted signs may vary in order to take advantage of flatter cross sections which can result in considerable cost savings.



L_1 is always the post nearest to the edge of pavement. (See Sign Structures Manual)

7′ (2.1m) min. between top of stud post & fuse plate. May be reduced to 5′ (1.5m) when D = 30′ (9.1m) & the slope is 1:2 or steeper or where it would be unlikely for an out of control vehicle to reach the post.

All post sizes and support lengths shown on plans shall be verified in field prior to construction.

All post sizes will be verified by the I.D.O.T. Shoulder Mounted Sign Post Stress Analysis (See Special Provisions).

All slope ratios are expressed as units of vertical displacement to units of horizonal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise noted.

FILE NAME = E:\1006\Plan Sheets\D468418-sht-details_sign26.dgn

USER NAME = Lin21	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 1:2	CHECKED - ST	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

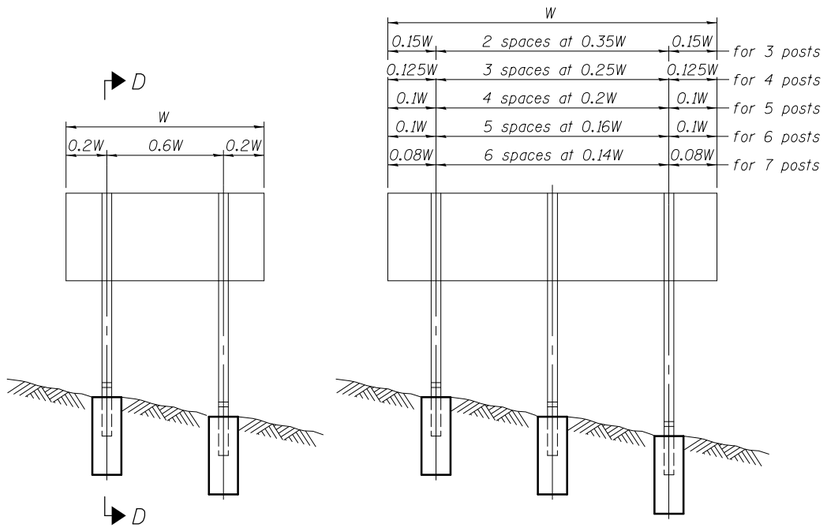
SIGNING SCHEDULE
SIGNING PLANS

SCALE: NONE | SHEET NO. 10 OF 10 SHEETS | STA. | TO STA.

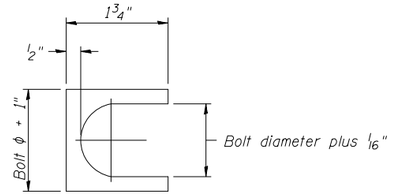
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV,HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	349

CONTRACT NO. 68B44

FED. ROAD DIST. NO. 4 | ILLINOIS

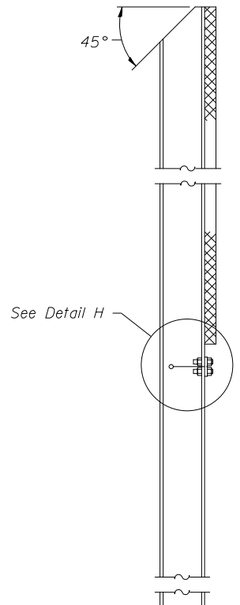


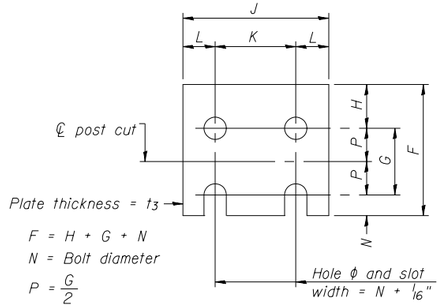
ELEVATION



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

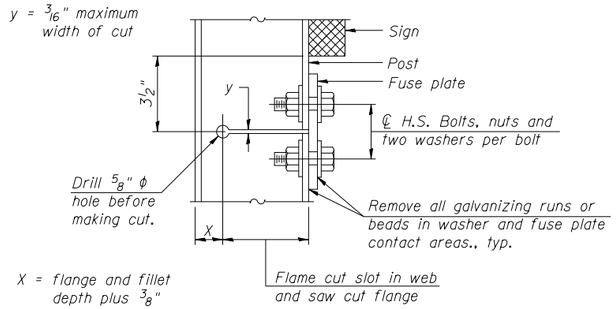




FUSE PLATE DETAIL

(Install with notches down.)

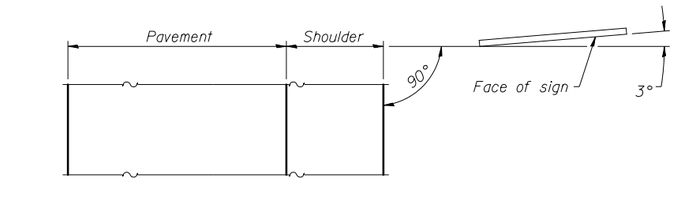
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



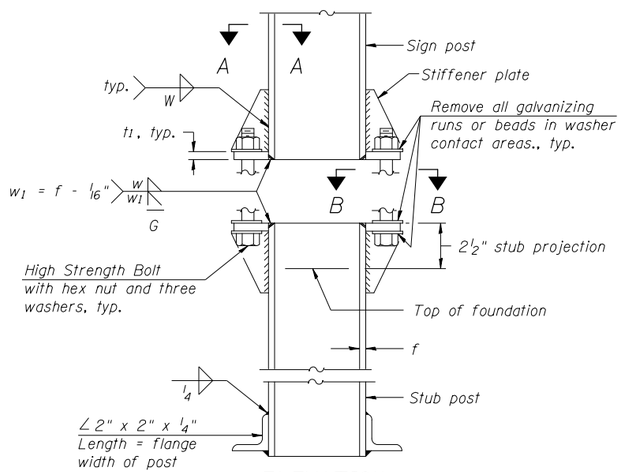
DETAIL H

STIFFENER PLATE DETAIL

Diameter

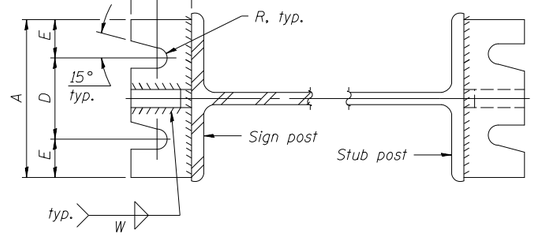


LOCATION SKETCH



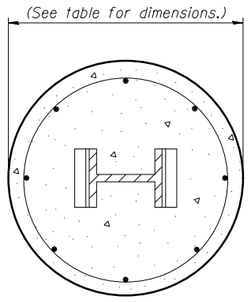
ELEVATION

SIGN POST & STUB POST

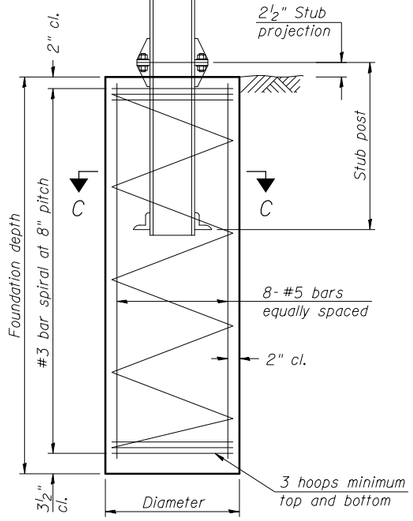


SECTION A-A

SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1 6-1-12

(Sheet 1 of 2)

USER NAME = Lin21	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:2	CHECKED -	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

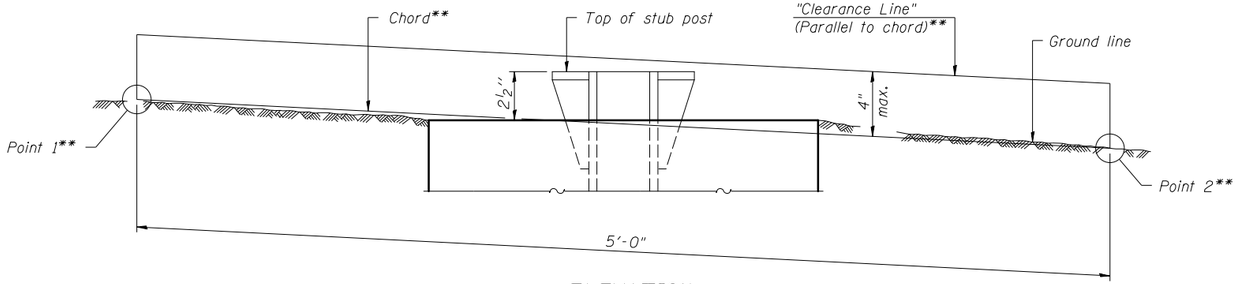
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	350
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

FILE NAME = E:\1006\Plan Sheets\D468418-ant-details.sign27.dgn

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement			Stub Post														
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Length	Bolt Size	A	B	C	D	E	t_1	t_2	R	W	J	K	L	t_3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	4"	2¼"	⅞"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	5¾"	2¾"	1½"	⅝"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6½"	3½"	1½"	⅝"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	6¾"	3½"	1⅝"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0''	18'-0''	19'-0''	20'-0''	21'-0''	22'-0''	23'-0''	24'-0''
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——	——
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——	——	——	——	——
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——	——
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——	——
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"
W16x45	——	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2 6-1-12

(Sheet 2 of 2)

USER NAME = Lin21	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:2	CHECKED -	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES

SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	351
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

FILE NAME = E:\1205\Plan Sheets\D468418-sht-details-sign28.dgn

GENERAL NOTES

1. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
3. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO THE ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
4. CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN PROPOSED LIGHTING POLE LOCATIONS AND UTILITY LINES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNIT DUCT OR UNDERGROUND CONDUIT PAY ITEM.
6. UNDERGROUND COILABLE NONMETALLIC CONDUIT SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
8. NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL INSTALL MULTI-MOUNT LUMINAIRES WITH OPTICS SET PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.
10. BREAKAWAY COUPLINGS SHALL NOT BE INSTALLED ON THE LIGHT POLES MOUNTED ON THE BRIDGE PARAPET WALL OR LOCATED BEHIND GUARDRAIL.
11. EXISTING BREAKAWAY COUPLINGS SHALL NOT BE RE-USED.
12. LEVELING PLATES FOR BRIDGE MOUNTED LIGHT POLES SHALL BE ACCORDING TO THE PLANS AND SHALL BE GALVANIZED STEEL.
13. UNIT DUCT SHALL BE SCHEDULE 40.

TEMPORARY LIGHTING NOTES

1. POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN REQUIRED CLEARANCE OF AERIAL CABLE OVER THE ROADWAY.
2. GUYS AND ANCHORS ARE SHOWN AS AN EXAMPLE AND SHALL BE INSTALLED AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
3. TEMPORARY WOOD POLES SHALL BE SET BACK A MINIMUM OF 30 FEET FROM EXISTING EDGE OF PAVEMENT AND OUTSIDE THE CLEAR ZONE OR 5 FEET BEHIND GUARDRAIL.
4. ALL TEMPORARY LUMINAIRES AT THE CROSSOVERS SHALL BE TILTED TEN DEGREES UP FROM THE STANDARD TILT OF 45 DEGREES.
5. THE TEMPORARY LIGHTING SYSTEM SHALL REMAIN IN PLACE UPON COMPLETION OF THE PROJECT.

LEGEND

- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480 VOLT, 1 PHASE, 4 WIRE
- PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 480 VOLT, 60 AMP
- PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT (CNC), 3" DIA., SCHEDULE 80.
- PROPOSED UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- L — PROPOSED ELECTRIC CABLE IN EXISTING CONDUIT EMBEDDED IN STRUCTURE, 600V (XLP-TYPE USE) 3-1/C NO. 8
- PROPOSED LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT WITH 250W HPS MULTI-MOUNT LUMINAIRE
- PROPOSED LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TWIN TENON MOUNT WITH 2-250W HPS MULTI-MOUNT LUMINAIRES
- PROPOSED LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., TENON MOUNT WITH 250W HPS MULTI-MOUNT LUMINAIRE, MOUNTED TO BRIDGE PARAPET WALL ON EXISTING FOUNDATION
- RL — RELOCATED LIGHTING UNIT
- EXISTING ELECTRIC SERVICE INSTALLATION TO BE REMOVED
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING JUNCTION BOX ATTACHED TO STRUCTURE
- E — EXISTING LIGHTING UNIT TO REMAIN
- R — EXISTING LIGHTING UNIT TO BE RELOCATED
- TEMPORARY LIGHTING UNIT, 50 FT. WOOD POLE, CLASS 3, 250 WATT HPS MULTI-MOUNT LUMINAIRE
- A — A AERIAL CABLE, 2-1/C NO. 2 ALUMINUM WITH MESSENGER WIRE
- ELECTRIC CABLE IN TRENCH, TRIPLEX 2-1C NO. 1/0, 1/C NO. 2 GROUND, ALUMINUM

LIGHTING SCHEDULE

LOCATION	ELECTRIC SERVICE INSTALLATION	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	UNIT DUCT, 600V, 2-1C NO. 8 1/C NO. 8 GROUND, (XLP TYPE USE), 3/4" DIA. POLYETHYLENE	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO.8	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	LIGHTING CONTROLLER, POLE MOUNTED, 480 VOLT, 60AMP	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., TENON MOUNT	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT-TWIN	LIGHT POLE FOUNDATION, 30" DIAMETER	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE
	80400100	81028770	81603000	81702420	82103900	82500320	83060820	83060830	83060835	83600300	83800205
	EACH	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH
IL 336 & US 136	1	798	8747	540	31	1	3	28		195	28
IL 336 & US 67	1	234	5738		27	1		23	2	163	25
TOTAL	2	1032	14485	540	58	2	3	51	2	358	53

LIGHTING SCHEDULE

LOCATION	REMOVAL OF POLE FOUNDATION	RELOCATE EXISTING LIGHTING UNIT	REMOVAL OF LIGHTING CONTROLLER	REMOVAL OF ELECTRIC SERVICE INSTALLATION	CONDIUT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	TEMPORARY LIGHTING SYSTEM
	84200804	84400105	84500110	84500120	X8110458	X8410102
	EACH	EACH	EACH	EACH	FOOT	L SUM
IL 336 & US 136	2	2	1	1	40	
IL 336 & US 67			1	1		
TOTAL	2	2	2	2	40	1

REV.

USER NAME = Lin21	DESIGNED - SEL	REVISED -
	DRAWN - SEL	REVISED -
PLOT SCALE = 1:20	CHECKED - RC	REVISED -
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
LIGHTING GENERAL NOTES & SCHEDULE

SCALE: NONE | SHEET NO. 1 OF 9 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	352
		CONTRACT NO. 68B44		

FED. ROAD DIST. NO. 4 ILLINOIS

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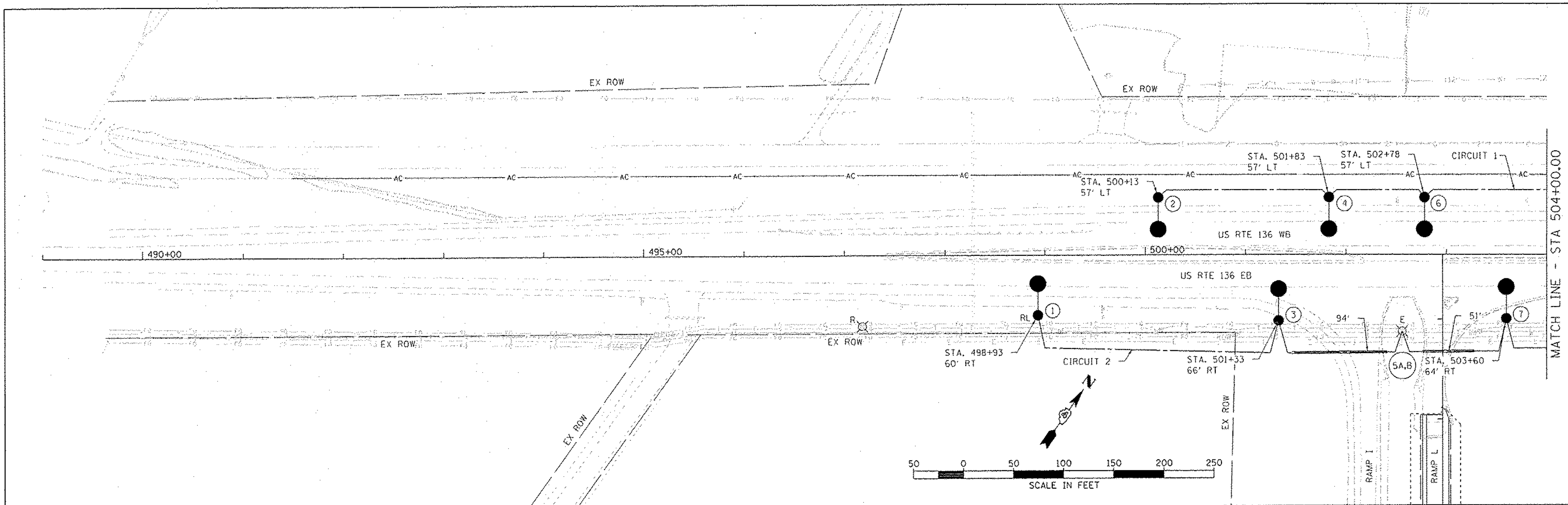
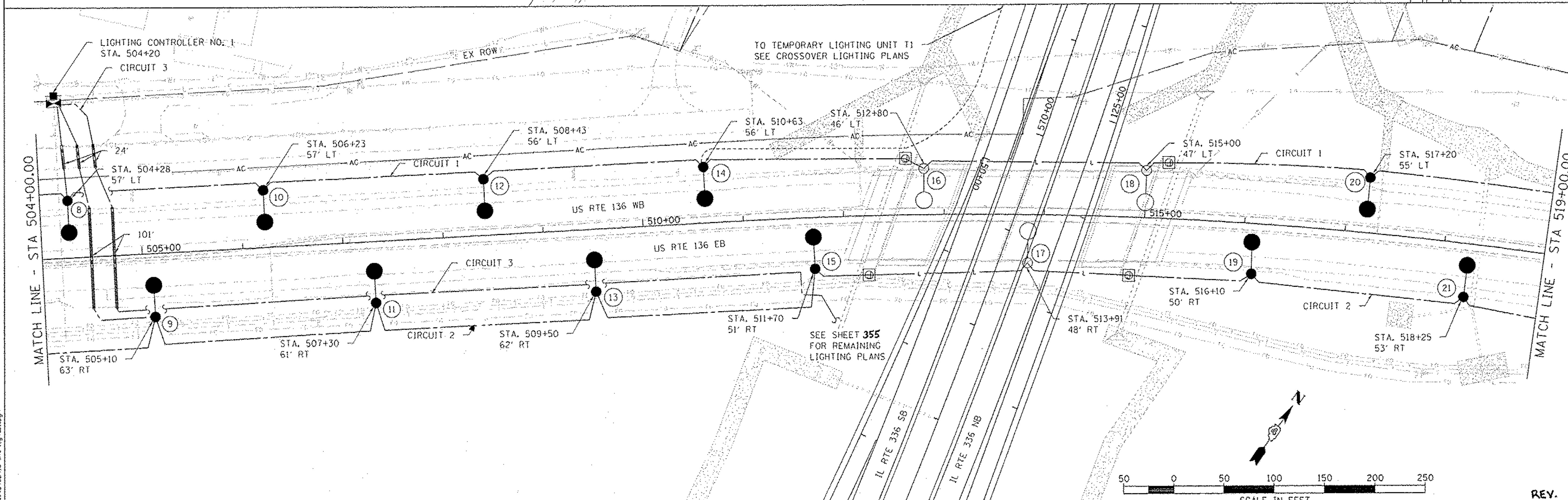
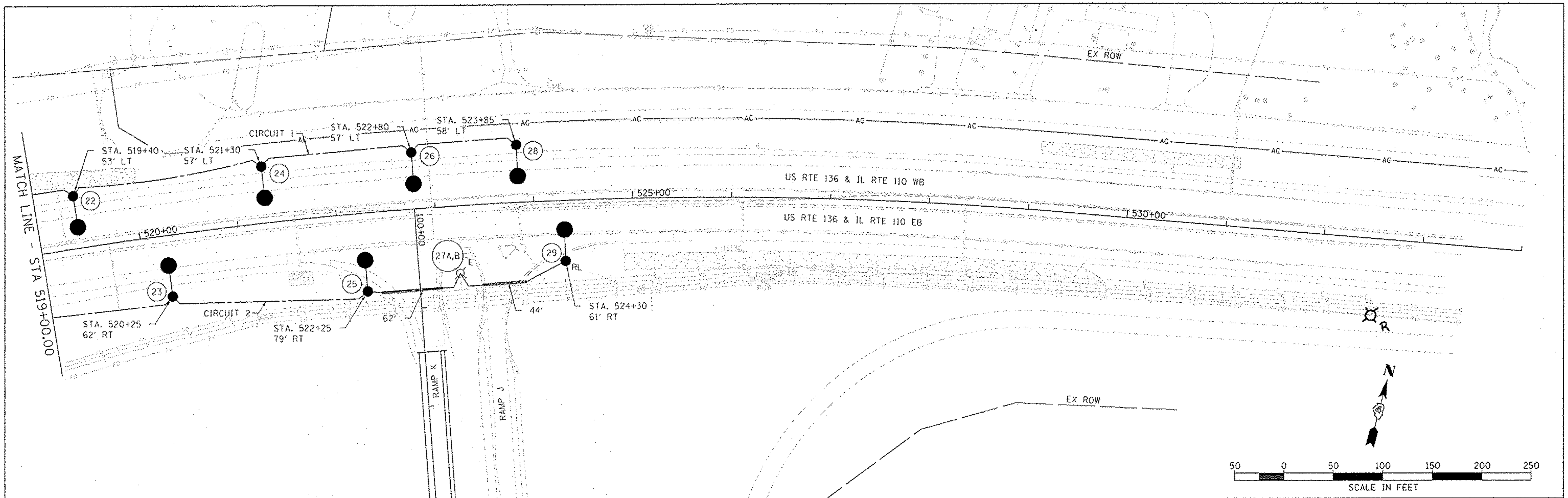




REV.

USER NAME = Lin21	DESIGNED - SEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 407 (IL 336/L 110) US RTE 136 LIGHTING PLANS
	DRAWN - SEL	REVISED -		
PLOT SCALE = 1:100	CHECKED - RC	REVISED -		
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -		SCALE: 1"=50' SHEET NO. 2 OF 9 SHEETS STA. 489+00 TO STA. 519+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV,HB(2-6);B,B-1,B-2)	MCDONOUGH	874	353
FED. ROAD DIST. NO. 4 ILLINOIS		CONTRACT NO. 68B44		



REV.

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	DRAWN - SEL	REVISED -		
PLOT SCALE = 1:100	CHECKED - RC	REVISED -		
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -		SCALE: 1"=50' · SHEET NO. 3 OF 9 SHEETS · STA. 519+00 TO STA. 534+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	354
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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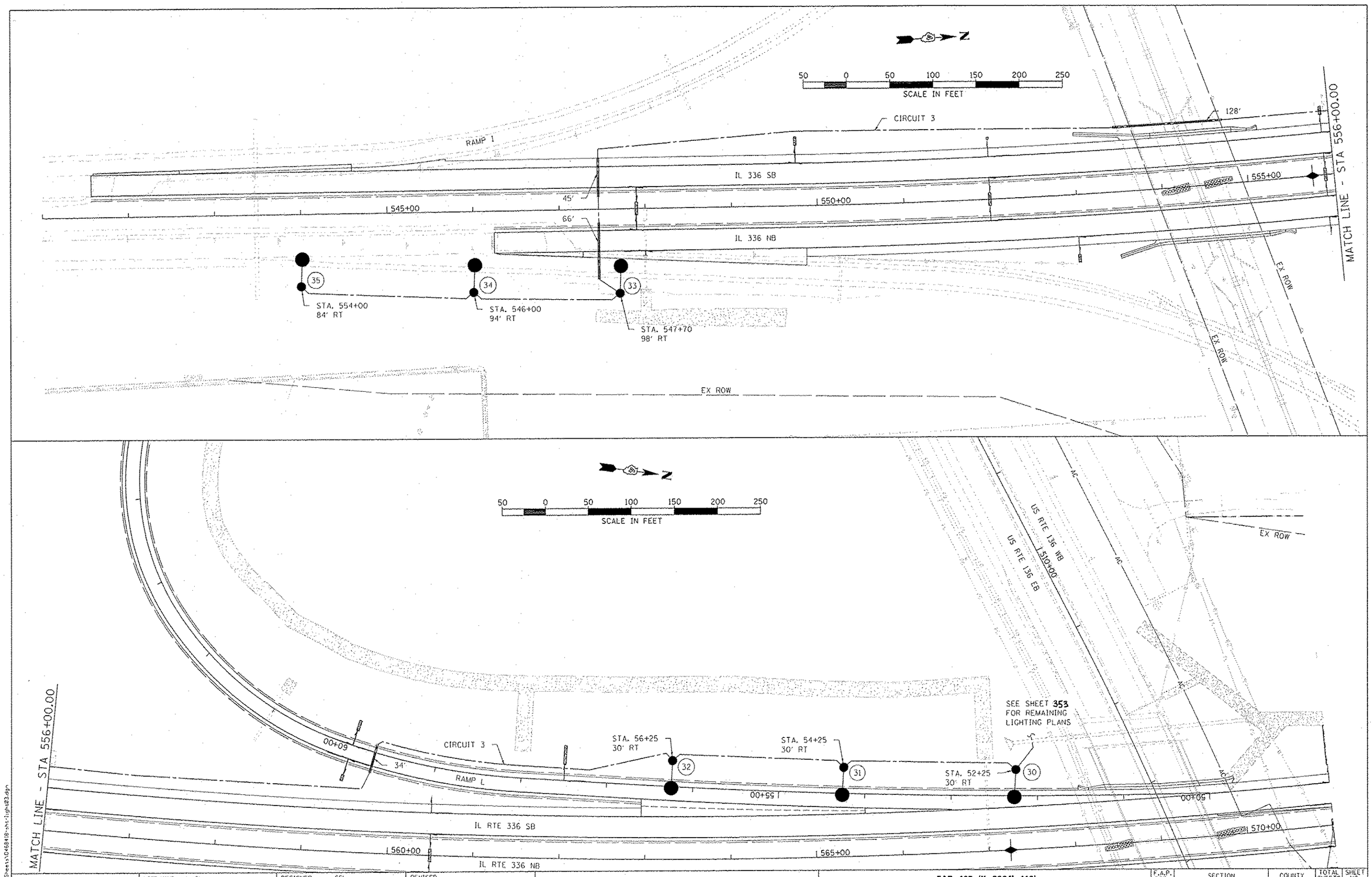

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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
LIGHTING PLANS

SCALE: 1"=50' | SHEET NO. 4 OF 9 SHEETS | STA. 541+00 TO STA. 571+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6)B,B-1,B-2))	MCDONOUGH	874	355
		CONTRACT NO. 68844		
FED. ROAD DIST. NO. 4	ILLINOIS			

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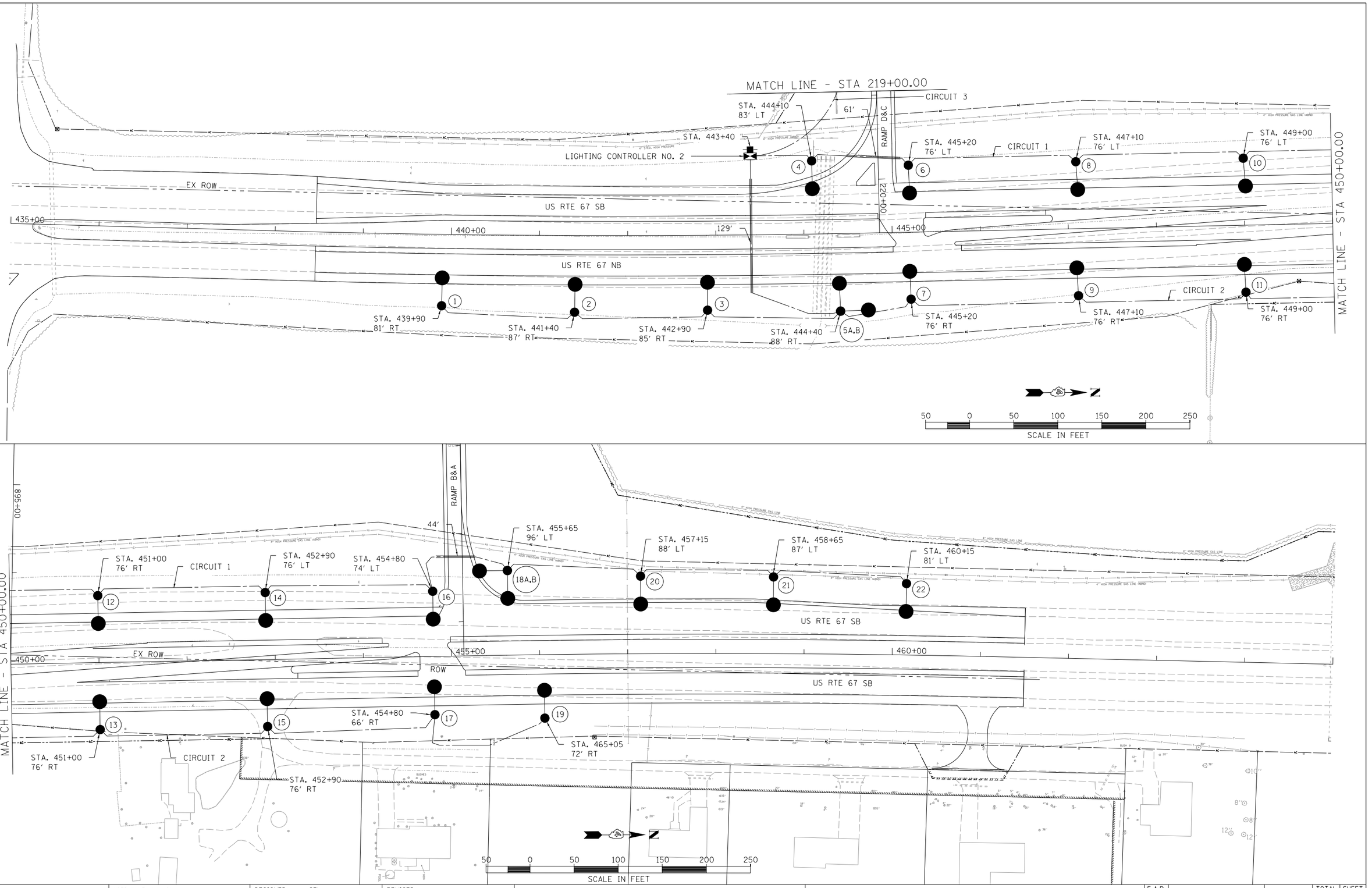

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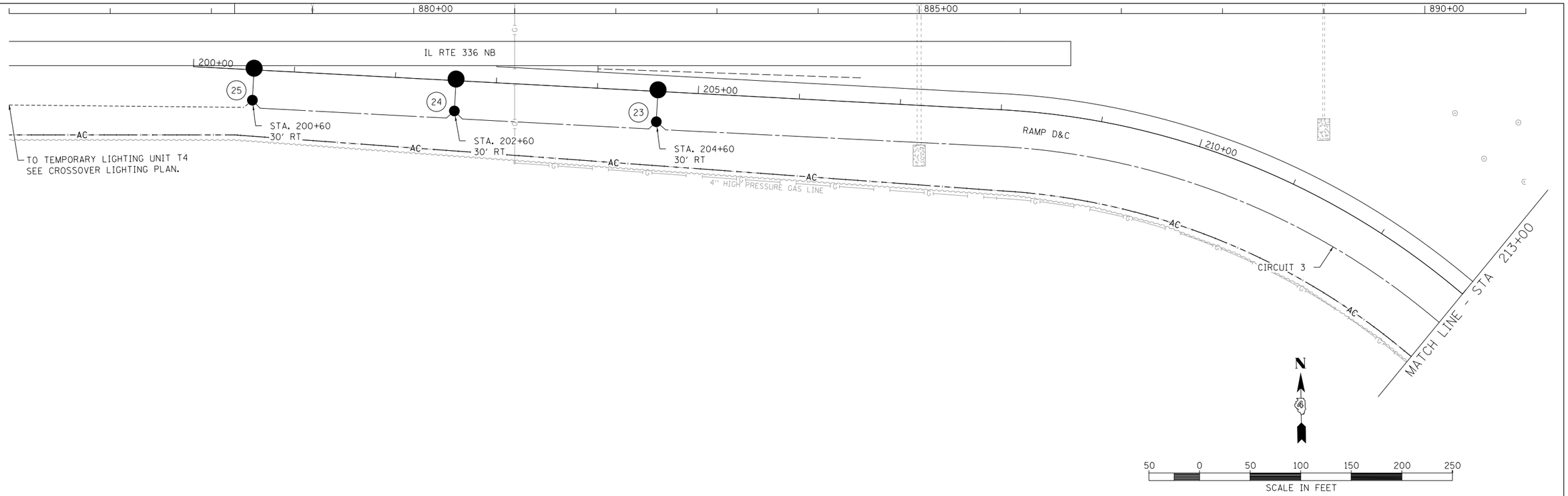
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/L 110)
US RTE 67 LIGHTING PLANS

SCALE: 1"=50' | SHEET NO. 5 OF 9 SHEETS | STA. 435+00 TO STA. 465+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB(2-6),B,B-1,B-2)J	MCDONOUGH	874	356
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



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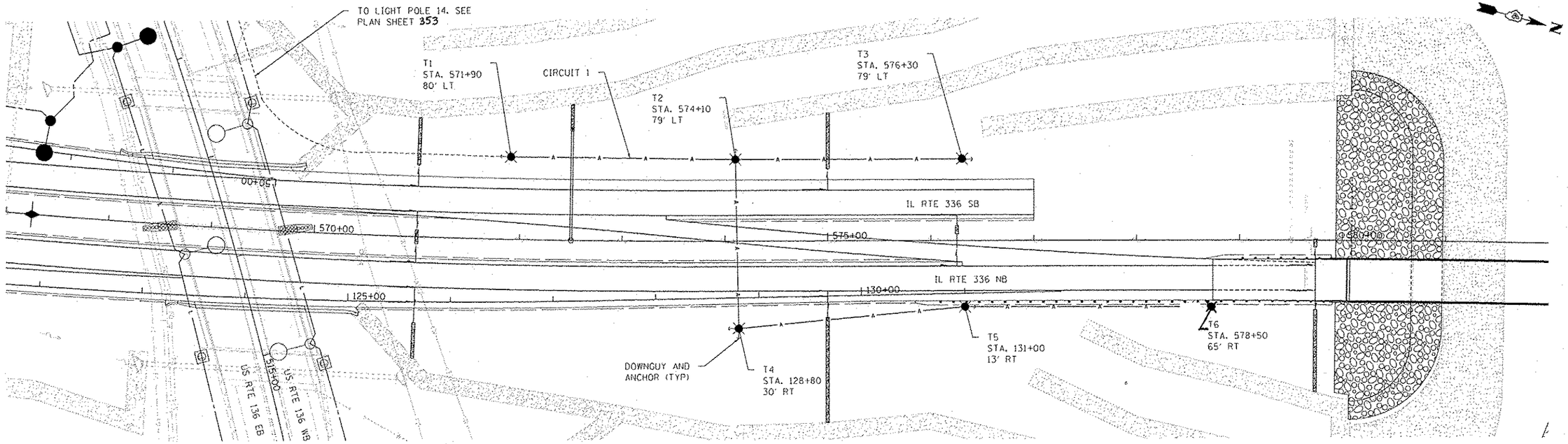
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

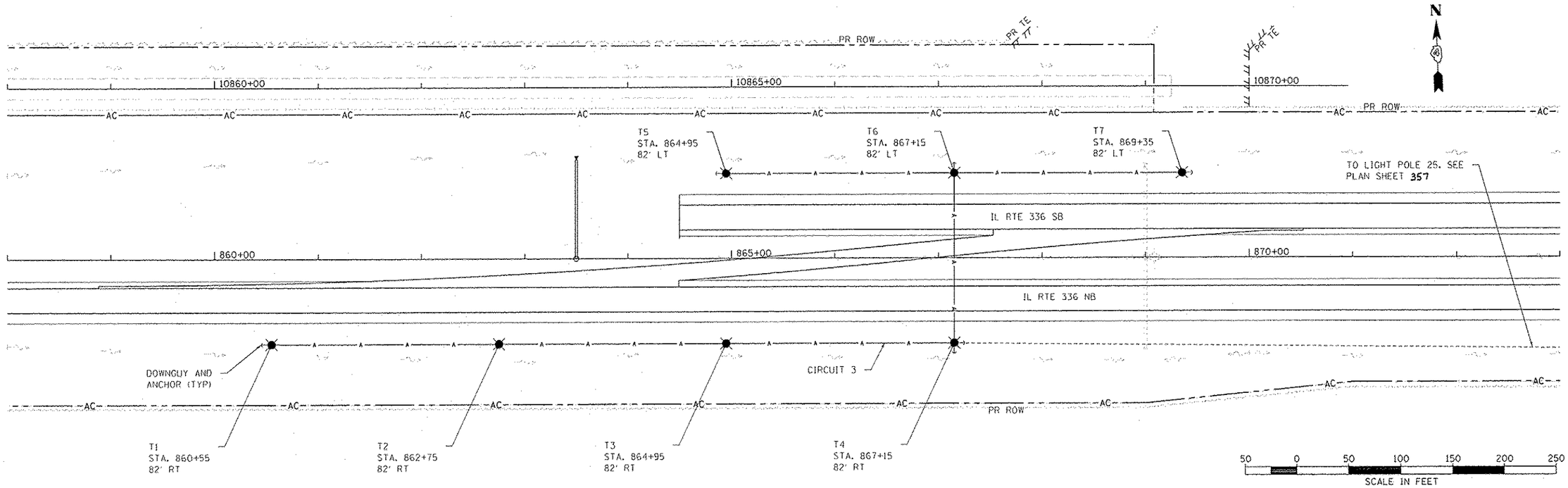
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/L 110)
RAMP D LIGHTING PLANS

SCALE: 1"=50' | SHEET NO. 6 OF 9 SHEETS | STA. 200+00 TO STA. 219+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6)½B,B-1,B-2))	MCDONOUGH	874	357
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			





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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/IL 110)
CROSSOVER LIGHTING PLANS

SCALE: 1"=50 | SHEET NO. 7 OF 9 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV,HB12-6);8,B-1,B-21)	MCDONOUGH	874	358
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			

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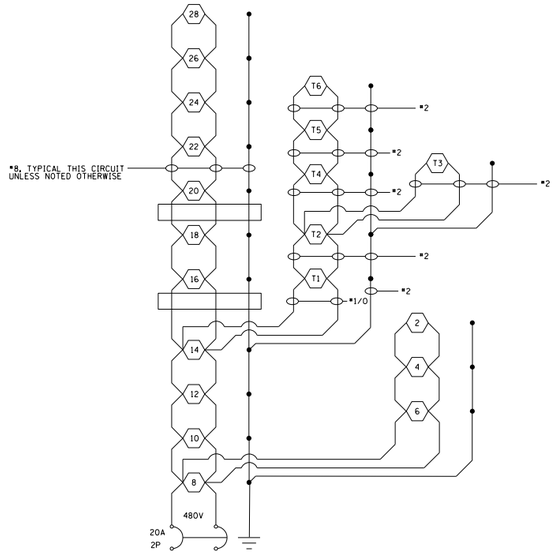
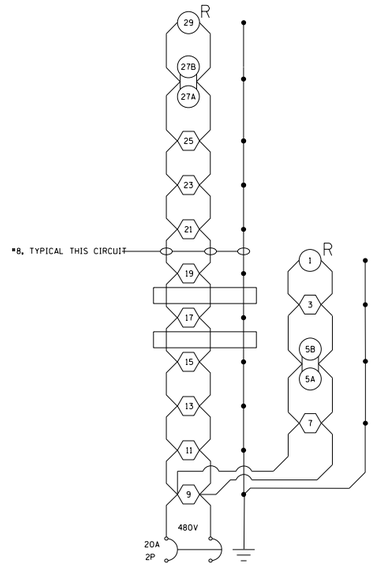
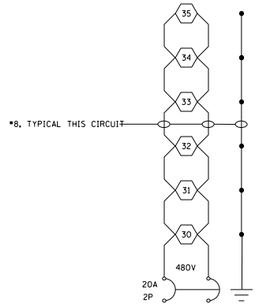


LIGHTING CKT 1
PROPOSED LIGHTING CONTROLLER NO. 1



LIGHTING CKT 2
PROPOSED LIGHTING CONTROLLER NO. 1



LIGHTING CKT 3
PROPOSED LIGHTING CONTROLLER NO. 1

NOTES:

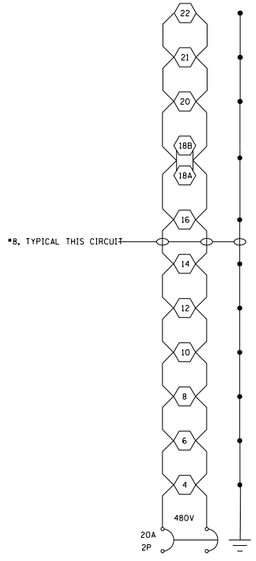
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

PROPOSED 250W ROADWAY LUMINAIRE

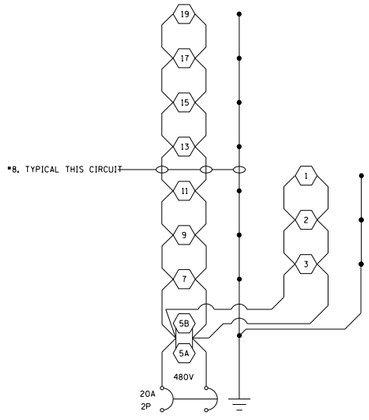
EXISTING 250W ROADWAY LUMINAIRE

RELOCATED 250W ROADWAY LUMINAIRE

EXISTING JUNCTION BOX



LIGHTING CKT 1
PROPOSED LIGHTING CONTROLLER NO. 2



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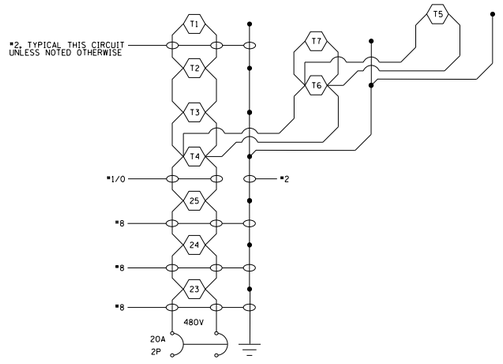
PROPOSED LIGHTING CONTROLLER NO. 2



LIGHTING CKT 3
PROPOSED LIGHTING CONTROLLER NO. 2

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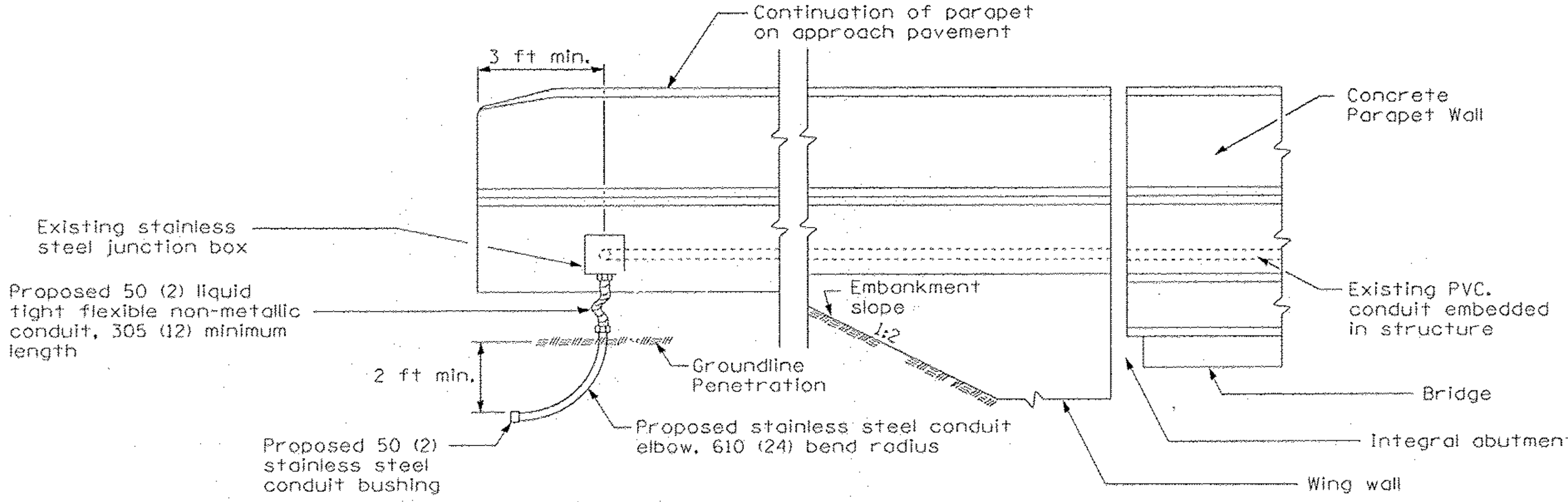
	DRAWN - SEL	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 1:2	CHECKED - RC	REVISED -	
PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

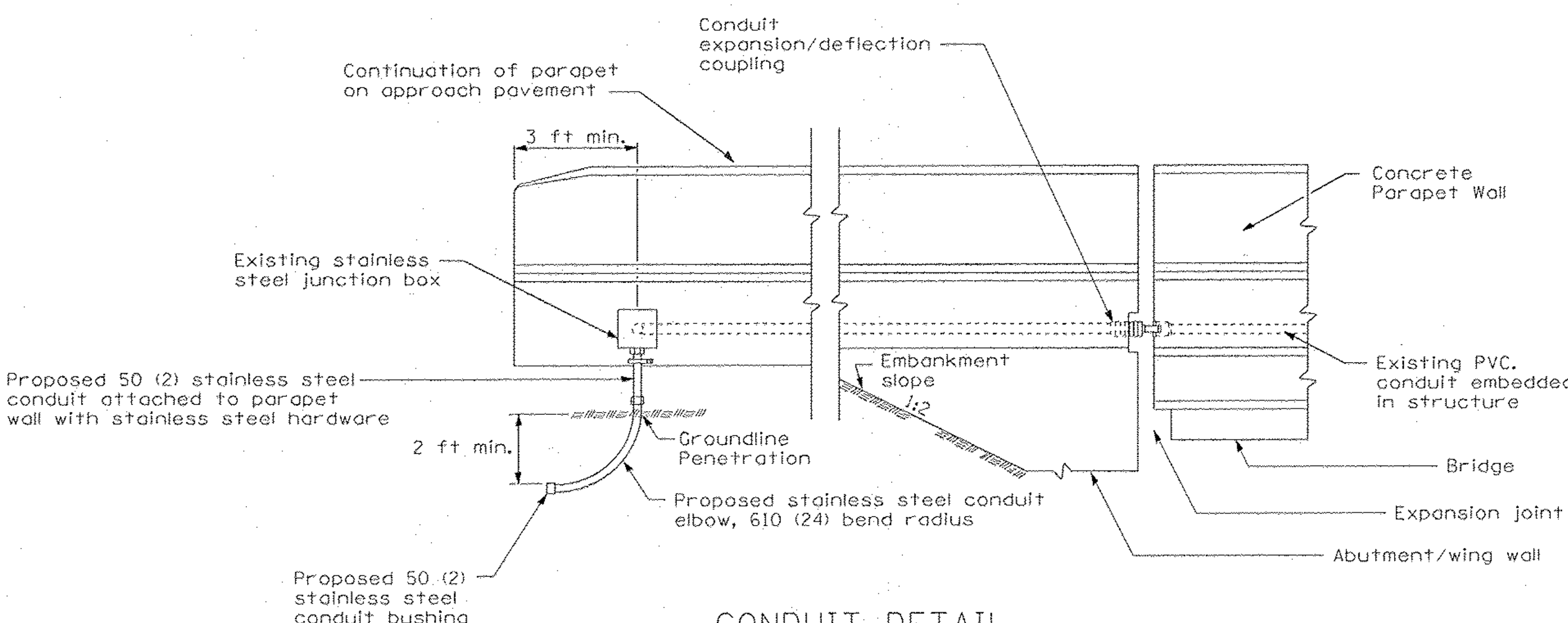
FAP 407 (IL 336/L 110)
LIGHTING CIRCUIT DETAILS

SCALE: NONE | SHEET NO. 8 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6),B,B-1,B-2))	MCDONOUGH	874	359
		CONTRACT NO. 68B44		
FED. ROAD DIST. NO. 4	ILLINOIS			



CONDUIT DETAIL
(Integral Abutment)



CONDUIT DETAIL
(Open Abutment)

GENERAL NOTES

Liquid tight flexible non-metallic conduit, including all fittings, bushings, and couplings, shall be included in the cost of the "CONDUIT ATTACHED TO STUCTURE, 2" DIA. STAINLESS STEEL" pay item.

The Contractor shall remove any existing galvanized steel conduit or elbows attached to or installed below the existing stainless steel junction boxes. Removed materials shall become the property of the Contractor and shall be disposed of off-site. The cost of this work shall be incuded in the "CONDUIT ATTACHED TO STRUCTURE, 2" DIA. STAINLESS STEEL" pay item.

All dimensions are in millimeters (inches) unless otherwise shown.

CONDUIT EXITING PARAPET ON APPROACH PAVEMENT

LGT002B.DGN

FILE NAME = E:\1026\Plan Sheets\D468418-sht-details2-lighting.dgn

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	DRAWN - SEL	REVISED -	
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PLOT DATE = 1/22/2015	DATE - 1/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 407 (IL 336/L 110)
LIGHTING DETAILS

SCALE: NONE | SHEET NO. 9 OF 9 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV,HB(2-6);B,B-1,B-2))	MCDONOUGH	874	360
		CONTRACT NO. 68B44		

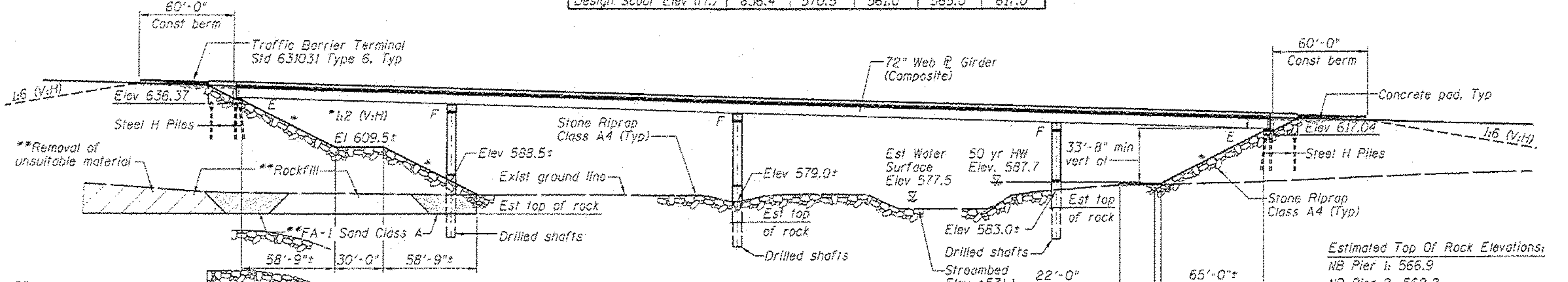
FED. ROAD DIST. NO. 4 | ILLINOIS

Bench Mark: BM HE1 28
R.R. spike in ±26" maple tree,
S. side of E. Lamoine River
Sta ±582+90, ±50.0' Lt
Elev 580.91

Existing Structure: None

DESIGN SCOUR ELEVATION TABLE

	S Abut	Pier 1	Pier 2	Pier 3	N Abut
Design Scour Elev (ft.)	636.4	570.5	561.0	565.0	617.0



**Work Done Under Previous Contract.

ELEVATION

Estimated Top Of Rock Elevations:
NB Pier 1: 566.9
NB Pier 2: 562.2
NB Pier 3: 570.1

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 Interims

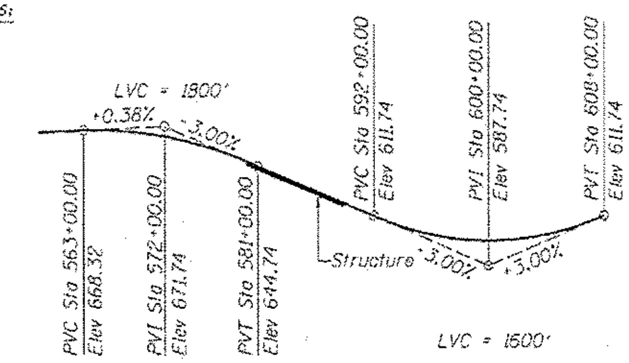
DESIGN STRESSES

FIELD UNITS

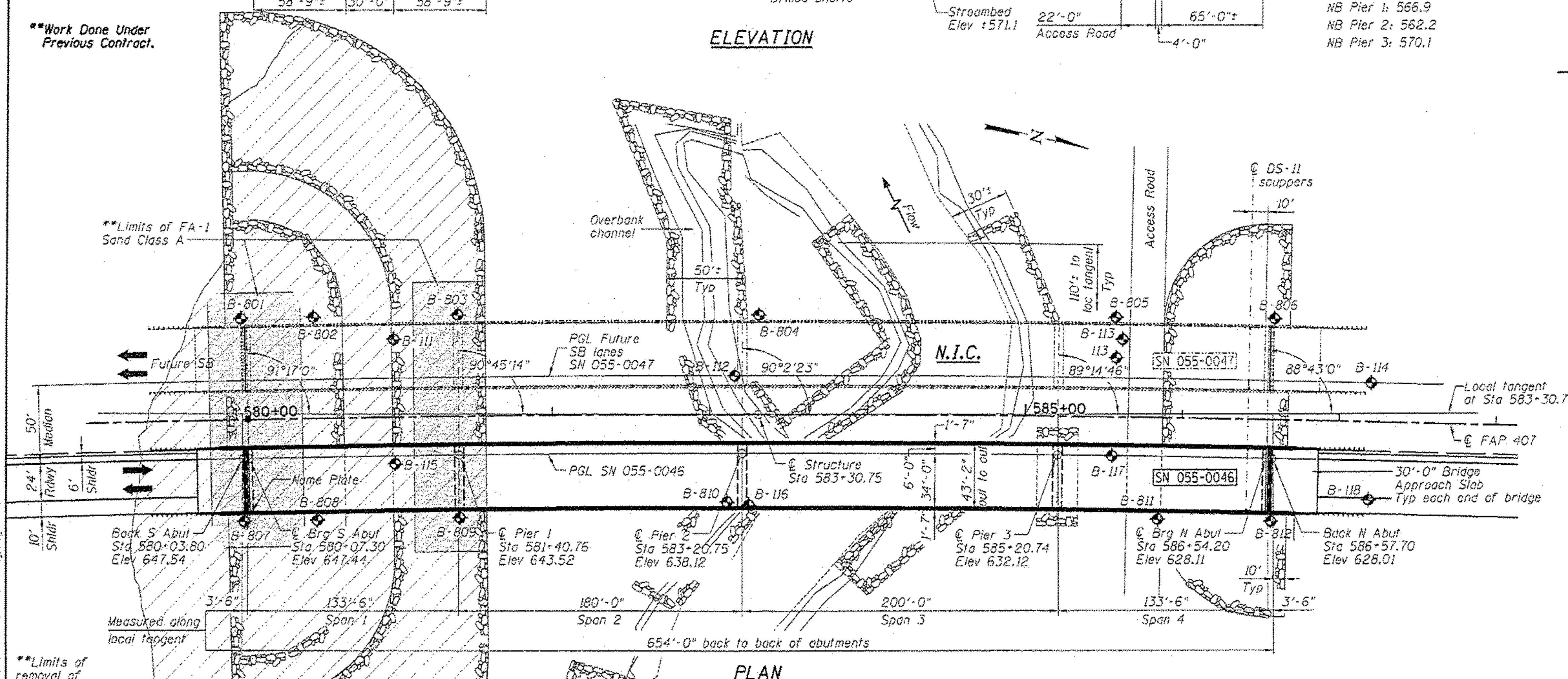
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Structural Steel M270 Grade 50W)
f'c = 4,000 psi (Drilled Shaft)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 Sec. (Sd1) = 0.08g
Design Spectral Acceleration at 0.2 Sec. (Sds) = 0.13g
Soil Site Class = C



PROFILE GRADE



PLAN

APPROVED
For Structural Adequacy Only
P. Carl Puzey
Engineer of Bridges & Structures

LICENSED STRUCTURAL ENGINEER
JEREMY BUENING
081-006896
STATE OF ILLINOIS

Jeremy Buening, P.E., S.E.   1/27/14
License Expires 11/30/16   Date

CURVE DATA

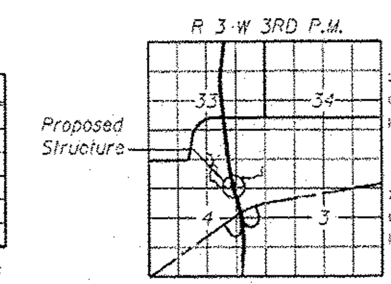
PROP. CURVE IL336-2
PI STA. = 590+36.90
Δ = 9° 15' 34" (RT)
D = 0° 23' 48"
R = 14,440.00'
T = 1,169.34'
L = 2,333.59'
E = 47.27'
P.C. STA. = 578+67.56
P.T. STA. = 602+01.15

WATERWAY INFORMATION

Drainage Area = 165 Sq Mi   Low Grade Elev. 611.7 @ Sta. 592+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	8,280	--	2,151	585.3	--	0.7	--	586.0
Design	50	12,700	--	3,149	587.7	--	0.8	--	588.5
Base	100	14,700	--	3,854	588.7	--	1.0	--	589.7
Max. Calc.	500	19,500	--	5,365	590.5	--	1.0	--	591.5

10 Year Velocity thru Exist Br = n/a   10 Year Velocity thru Prop Br = 3.9 fps



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
FAP ROUTE 407 OVER
EAST FORK LAMOINE RIVER
SECTION 55[3(PV;HB(2-6);B,B-1,B-2)]
MCDONOUGH COUNTY
STA 583+30.75
STRUCTURE NO. 055-0046

FILE NAME = ...\East Fork Lamoine River\NORTHBOUND\GPE.dgn

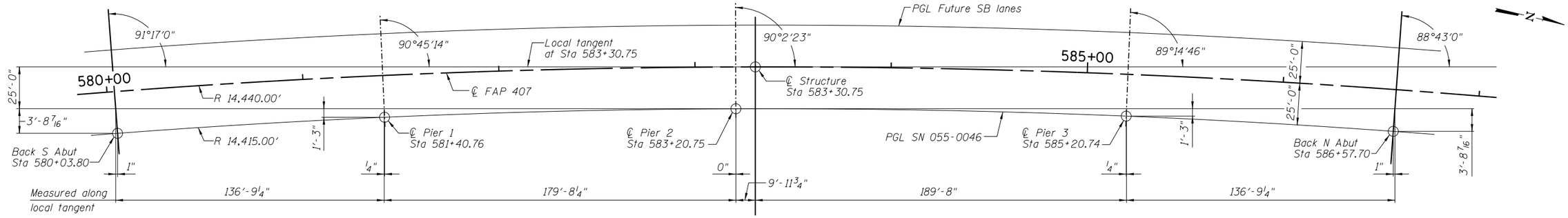
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001597

USER NAME = jbuening	DESIGNED - JMB	REVISED -
PLOT TIME = 9:17:11 AM	CHECKED - ACB	REVISED -
PLOT SCALE = 80.0000 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/27/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 055-0046
SHEET NO. 1 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	361
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS	FED. AID PROJECT		



BRIDGE OFFSET SKETCH

INDEX OF SHEETS

STATION 583+30.75
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE 407
SEC 55[3(PV;HB(2-6);B,B-1,B-2)]
LOADING HL-93
STRUCTURE NO. 055-0046

NAME PLATE

See Std. 515001

GENERAL NOTES:

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts 7/8" ϕ in holes 15/16" ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 1,406,670 lb

All structural steel shall be AASHTO M 270 Grade 50W

No field welding is permitted except as specified in the contract documents.

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

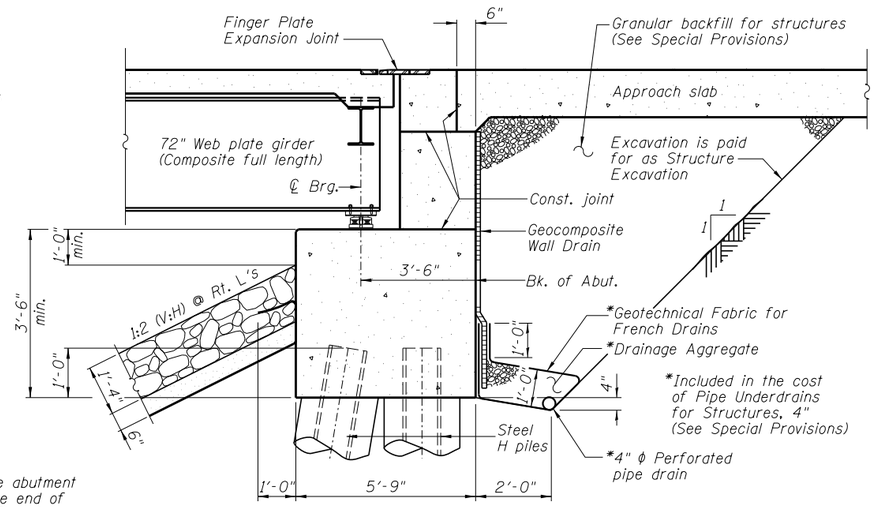
Concrete Sealer shall be applied to the designated areas of the abutments.

All structural steel girders, cross frames and diaphragms within a distance of 10 ft. from the expansion joints shall be metalized and painted with a color matching the Federal Color Standard 595a 20045 as specified in the Special Provisions for Metalizing Structural Steel. All structural steel components of cross frames and diaphragms within a distance of 10 ft. from the expansion joints may be galvanized in lieu of metalizing at the Contractor's option. Galvanizing shall be according to the Special Provision for Hot Dip Galvanizing for Structural Steel. Bearings at the abutments shall be hot dip galvanized..

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Reinforcement bars designated (E) shall be epoxy coated.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.



SECTION THRU PILE SUPPORTED STUB ABUTMENT

(Horiz. dim. @ Rt. L's)

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes.The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

This contract is for the construction of SN 055-0046 (NB) only. SN 055-0047 (SB) is to be built in a future contract and is shown for information only.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Granular Backfill for Structures	Cu. Yd.	---	218	218
Stone Riprap, Class A4	Sq. Yd.	---	15709	15709
Filter Fabric	Sq. Yd.	---	15709	15709
Structure Excavation	Cu. Yd.	---	192	192
Concrete Structures	Cu. Yd.	---	661.3	661.3
Concrete Superstructure	Cu. Yd.	1029.3	---	1029.3
Bridge Deck Grooving	Sq. Yd.	2989	---	2989
Concrete Encasement	Cu. Yd.	---	9.2	9.2
Protective Coat	Sq. Yd.	3724	---	3724
Furnishing and Erecting Structural Steel	L. Sum	0.60	---	0.60
Stud Shear Connectors	Each	7128	---	7128
Reinforcement Bars	Pound	---	109,230	109,230
Reinforcement Bars, Epoxy Coated	Pound	264,350	110,030	374,380
Bar Splicers	Each	---	194	194
Mechanical Splicers	Each	---	216	216
Furnishing Steel Piles HP12x53	Foot	---	1440	1440
Driving Piles	Foot	---	1440	1440
Test Pile Steel HP12x53	Each	---	2	2
Pile Shoes	Each	---	26	26
Name Plates	Each	1	---	1
Permanent Casing	Foot	---	171	171
Drilled Shaft in Soil	Cu. Yd.	---	179.5	179.5
Drilled Shaft in Rock	Cu. Yd.	---	237.6	237.6
Finger Plate Expansion Joint, 4"	Foot	80	---	80
Elastomeric Bearing Assembly, Type III	Each	---	12	12
Anchor Bolts, 3/4"	Each	---	24	24
Anchor Bolts, 1 1/2"	Each	---	36	36
Concrete Sealer	Sq. Ft.	---	1143	1143
Geocomposite Wall Drain	Sq. Yd.	---	161	161
Drainage Scuppers, DS-11	Each	2	---	2
Pipe Underdrains for Structures 4"	Foot	---	324	324

FILE NAME = I:\IDOT\5686. HEI.IL.338\C400.Structural\East Fork Lamoine River\NBRTHBOUND\NBgnbomdgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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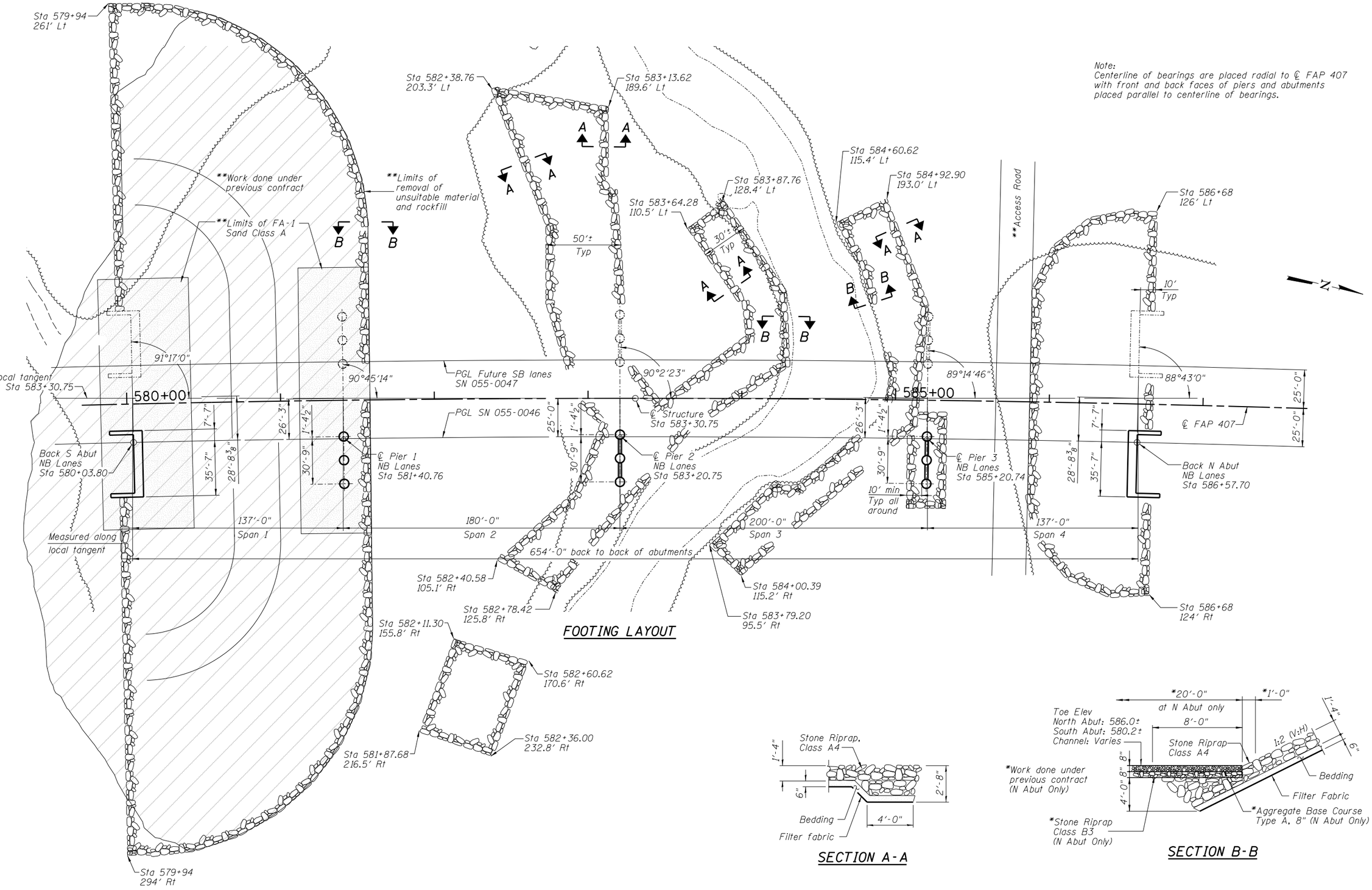
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 055-0046
SHEET NO. 2 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	362
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			

Note:
Centerline of bearings are placed radial to ℄ FAP 407 with front and back faces of piers and abutments placed parallel to centerline of bearings.



FOOTING LAYOUT

SECTION A-A

SECTION B-B

FILE NAME = I:\IDOT\5686. HEI.IL.336\CADD.Structural\East Fork Lamoine River\NBFTHBOUND\NBFtgplan.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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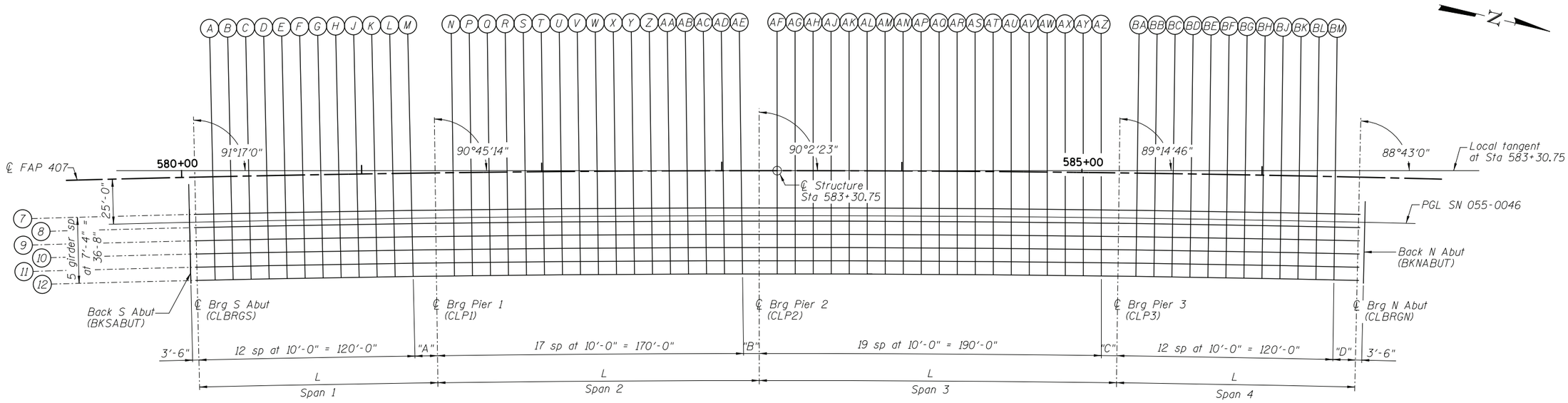
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOOTING LAYOUT
STRUCTURE NO. 055-0046
SHEET NO. 3 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6½B,B-1,B-2)]	MCDONOUGH	874	363
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



DECK ELEVATION LAYOUT

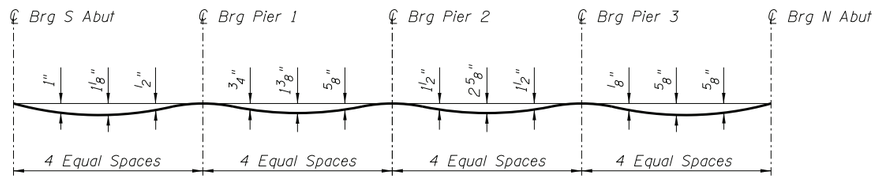
Note:
Increments for elevations are measured along centerline of each individual girder. Stations and offsets are located radial to PGL

Offsets to the left of PGL are negative and offsets to the right of PGL are positive.

For span lengths see Sheets 23 and 24 of 53.

VARIABLES

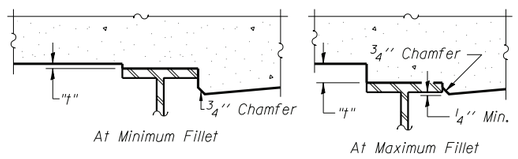
Girder	"A"	"B"	"C"	"D"
7	13'-3 1/4"	9'-8 3/4"	9'-8 3/8"	13'-3 1/4"
8	13'-2 3/8"	9'-7 5/8"	9'-7 1/4"	13'-2 3/8"
9	13'-1 5/8"	9'-6 5/8"	9'-6"	13'-1 5/8"
10	13'-0 3/4"	9'-5 1/2"	9'-4 3/4"	13'-0 3/4"
11	12'-11 7/8"	9'-4 3/8"	9'-3 1/2"	12'-11 7/8"
12	12'-11 1/8"	9'-3 1/4"	9'-2 3/8"	12'-11 1/8"



DEAD LOAD DEFLECTION DIAGRAM

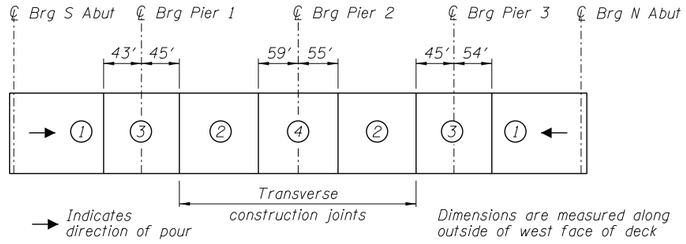
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the table on Sheets 5 thru 8 of 53.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets 5 thru 8 of 53, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



When the deck pour is stopped for the day at one or more of the Transverse Construction Joints in the Deck Pouring Sequence as shown, the next pour shall not be made until both of the following requirements are met:

1. *At least 72 hours shall have elapsed from the end of the previous pour.*
2. *The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.*

DECK POURING SEQUENCE

FILE NAME = I:\IDOT\56686. HEI.IL336\CADD.Structural\East Fork Lamoure River\NORTHBOUND\NB0846deckel.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATION LAYOUT
STRUCTURE NO. 055-0046
SHEET NO. 4 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	364
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

GIRDER 7

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	-4.33	647.45	647.45
CLBRGS	580+07.30	-4.33	647.35	647.35
A	580+17.31	-4.33	647.07	647.09
B	580+27.33	-4.33	646.78	646.83
C	580+37.34	-4.33	646.49	646.57
D	580+47.36	-4.33	646.20	646.29
E	580+57.37	-4.33	645.91	646.01
F	580+67.39	-4.33	645.62	645.71
G	580+77.40	-4.33	645.32	645.41
H	580+87.41	-4.33	645.03	645.10
J	580+97.43	-4.33	644.73	644.78
K	581+07.44	-4.33	644.43	644.47
L	581+17.46	-4.33	644.13	644.15
M	581+27.47	-4.33	643.83	643.83
CLP1	581+40.76	-4.33	643.43	643.43
N	581+50.77	-4.33	643.13	643.14
P	581+60.79	-4.33	642.83	642.84
Q	581+70.80	-4.33	642.53	642.56
R	581+80.82	-4.33	642.23	642.28
S	581+90.83	-4.33	641.92	642.00
T	582+00.85	-4.33	641.62	641.72
U	582+10.86	-4.33	641.32	641.43
V	582+20.87	-4.33	641.02	641.13
W	582+30.89	-4.33	640.72	640.83
X	582+40.90	-4.33	640.42	640.53
Y	582+50.92	-4.33	640.12	640.22
Z	582+60.93	-4.33	639.82	639.90
AA	582+70.95	-4.33	639.52	639.58
AB	582+80.96	-4.33	639.22	639.26
AC	582+90.97	-4.33	638.92	638.94
AD	583+00.99	-4.33	638.62	638.63
AE	583+11.00	-4.33	638.32	638.32
CLP2	583+20.75	-4.33	638.03	638.03
AF	583+30.76	-4.33	637.73	637.74
AG	583+40.78	-4.33	637.43	637.46
AH	583+50.79	-4.33	637.13	637.19
AJ	583+60.81	-4.33	636.83	636.92
AK	583+70.82	-4.33	636.53	636.65
AL	583+80.84	-4.33	636.22	636.38
AM	583+90.85	-4.33	635.92	636.10
AN	584+00.86	-4.33	635.62	635.82
AP	584+10.88	-4.33	635.32	635.53
AQ	584+20.89	-4.33	635.02	635.24
AR	584+30.91	-4.33	634.72	634.93
AS	584+40.92	-4.33	634.42	634.62
AT	584+50.94	-4.33	634.12	634.30
AU	584+60.95	-4.33	633.82	633.98
AV	584+70.96	-4.33	633.52	633.65
AW	584+80.98	-4.33	633.22	633.32
AX	584+90.99	-4.33	632.92	632.99
AY	585+01.01	-4.33	632.62	632.66
AZ	585+11.02	-4.33	632.32	632.34

GIRDER 7 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
CLP3	585+20.74	-4.33	632.03	632.03
BA	585+30.75	-4.33	631.73	631.72
BB	585+40.77	-4.33	631.43	631.43
BC	585+50.78	-4.33	631.13	631.13
BD	585+60.80	-4.33	630.83	630.85
BE	585+70.81	-4.33	630.53	630.56
BF	585+80.83	-4.33	630.22	630.27
BG	585+90.84	-4.33	629.92	629.98
BH	586+00.85	-4.33	629.62	629.69
BJ	586+10.87	-4.33	629.32	629.38
BK	586+20.88	-4.33	629.02	629.08
BL	586+30.90	-4.33	628.72	628.77
BM	586+40.91	-4.33	628.42	628.45
CLBRGN	586+54.20	-4.33	628.02	628.02
BKNABUT	586+57.70	-4.33	627.92	627.92

PGL

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	0.00	647.54	647.54
CLBRGS	580+07.30	0.00	647.44	647.44
A	580+17.32	0.00	647.16	647.18
B	580+27.33	0.00	646.87	646.92
C	580+37.35	0.00	646.58	646.66
D	580+47.37	0.00	646.29	646.38
E	580+57.39	0.00	646.00	646.10
F	580+67.40	0.00	645.71	645.80
G	580+77.42	0.00	645.41	645.50
H	580+87.44	0.00	645.12	645.19
J	580+97.46	0.00	644.82	644.87
K	581+07.47	0.00	644.52	644.56
L	581+17.49	0.00	644.22	644.24
M	581+27.51	0.00	643.91	643.92
CLP1	581+40.76	0.00	643.52	643.52

PGL (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
N	581+50.78	0.00	643.22	643.23
P	581+60.79	0.00	642.92	642.94
Q	581+70.81	0.00	642.62	642.65
R	581+80.83	0.00	642.32	642.37
S	581+90.85	0.00	642.01	642.09
T	582+00.86	0.00	641.71	641.80
U	582+10.88	0.00	641.41	641.52
V	582+20.90	0.00	641.11	641.22
W	582+30.92	0.00	640.81	640.92
X	582+40.93	0.00	640.51	640.62
Y	582+50.95	0.00	640.21	640.30
Z	582+60.97	0.00	639.91	639.99
AA	582+70.99	0.00	639.61	639.67
AB	582+81.00	0.00	639.31	639.35
AC	582+91.02	0.00	639.01	639.03
AD	583+01.04	0.00	638.71	638.72
AE	583+11.05	0.00	638.41	638.41
CLP2	583+20.75	0.00	638.12	638.12
AF	583+30.77	0.00	637.82	637.83
AG	583+40.78	0.00	637.52	637.55
AH	583+50.80	0.00	637.22	637.28
AJ	583+60.82	0.00	636.92	637.01
AK	583+70.84	0.00	636.61	636.73
AL	583+80.85	0.00	636.31	636.46
AM	583+90.87	0.00	636.01	636.19
AN	584+00.89	0.00	635.71	635.91
AP	584+10.91	0.00	635.41	635.62
AQ	584+20.92	0.00	635.11	635.33
AR	584+30.94	0.00	634.81	635.02
AS	584+40.96	0.00	634.51	634.71
AT	584+50.98	0.00	634.21	634.39
AU	584+60.99	0.00	633.91	634.07
AV	584+71.01	0.00	633.61	633.74
AW	584+81.03	0.00	633.31	633.41
AX	584+91.04	0.00	633.01	633.08
AY	585+01.06	0.00	632.71	632.75
AZ	585+11.08	0.00	632.41	632.43
CLP3	585+20.74	0.00	632.12	632.12
BA	585+30.76	0.00	631.82	631.81
BB	585+40.77	0.00	631.52	631.52
BC	585+50.79	0.00	631.22	631.22
BD	585+60.81	0.00	630.92	630.94
BE	585+70.83	0.00	630.62	630.65
BF	585+80.84	0.00	630.31	630.36
BG	585+90.86	0.00	630.01	630.07
BH	586+00.88	0.00	629.71	629.78
BJ	586+10.90	0.00	629.41	629.47
BK	586+20.91	0.00	629.11	629.17
BL	586+30.93	0.00	628.81	628.86
BM	586+40.95	0.00	628.51	628.54
CLBRGN	586+54.20	0.00	628.11	628.11
BKNABUT	586+57.70	0.00	628.01	628.01

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 055-0046
SHEET NO. 5 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	365
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

GIRDER 8

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	3.00	647.59	647.59
CLBRGS	580+07.30	3.00	647.49	647.49
A	580+17.32	3.00	647.20	647.23
B	580+27.34	3.00	646.92	646.97
C	580+37.36	3.00	646.63	646.70
D	580+47.38	3.00	646.34	646.43
E	580+57.40	3.00	646.05	646.14
F	580+67.42	3.00	645.75	645.85
G	580+77.44	3.00	645.46	645.55
H	580+87.46	3.00	645.16	645.24
J	580+97.47	3.00	644.86	644.92
K	581+07.49	3.00	644.56	644.60
L	581+17.51	3.00	644.26	644.28
M	581+27.53	3.00	643.96	643.97
CLP1	581+40.76	3.00	643.56	643.56
N	581+50.78	3.00	643.26	643.27
P	581+60.80	3.00	642.96	642.98
Q	581+70.82	3.00	642.66	642.70
R	581+80.84	3.00	642.36	642.42
S	581+90.86	3.00	642.06	642.14
T	582+00.88	3.00	641.76	641.85
U	582+10.90	3.00	641.46	641.56
V	582+20.92	3.00	641.16	641.27
W	582+30.93	3.00	640.86	640.97
X	582+40.95	3.00	640.56	640.66
Y	582+50.97	3.00	640.26	640.35
Z	582+60.99	3.00	639.96	640.03
AA	582+71.01	3.00	639.66	639.71
AB	582+81.03	3.00	639.36	639.39
AC	582+91.05	3.00	639.06	639.08
AD	583+01.07	3.00	638.75	638.76
AE	583+11.09	3.00	638.45	638.46
CLP2	583+20.75	3.00	638.16	638.16
AF	583+30.77	3.00	637.86	637.88
AG	583+40.79	3.00	637.56	637.60
AH	583+50.81	3.00	637.26	637.32
AJ	583+60.83	3.00	636.96	637.05
AK	583+70.85	3.00	636.66	636.78
AL	583+80.87	3.00	636.36	636.51
AM	583+90.89	3.00	636.06	636.23
AN	584+00.91	3.00	635.76	635.96
AP	584+10.92	3.00	635.46	635.67
AQ	584+20.94	3.00	635.16	635.37
AR	584+30.96	3.00	634.86	635.07
AS	584+40.98	3.00	634.56	634.76
AT	584+51.00	3.00	634.26	634.44
AU	584+61.02	3.00	633.96	634.12
AV	584+71.04	3.00	633.66	633.79
AW	584+81.06	3.00	633.36	633.46
AX	584+91.08	3.00	633.05	633.13
AY	585+01.10	3.00	632.75	632.79
AZ	585+11.12	3.00	632.45	632.47

GIRDER 8 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
CLP3	585+20.74	3.00	632.16	632.16
BA	585+30.76	3.00	631.86	631.86
BB	585+40.78	3.00	631.56	631.56
BC	585+50.80	3.00	631.26	631.27
BD	585+60.82	3.00	630.96	630.98
BE	585+70.84	3.00	630.66	630.69
BF	585+80.86	3.00	630.36	630.41
BG	585+90.88	3.00	630.06	630.12
BH	586+00.90	3.00	629.76	629.82
BJ	586+10.91	3.00	629.46	629.52
BK	586+20.93	3.00	629.16	629.21
BL	586+30.95	3.00	628.86	628.90
BM	586+40.97	3.00	628.56	628.59
CLBRGN	586+54.20	3.00	628.16	628.16
BKNABUT	586+57.70	3.00	628.06	628.06

GIRDER 9

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	10.33	647.70	647.70
CLBRGS	580+07.30	10.33	647.60	647.60
A	580+17.32	10.33	647.32	647.35
B	580+27.35	10.33	647.03	647.08
C	580+37.37	10.33	646.74	646.82
D	580+47.40	10.33	646.45	646.54
E	580+57.42	10.33	646.16	646.26
F	580+67.45	10.33	645.87	645.96
G	580+77.47	10.33	645.57	645.66
H	580+87.50	10.33	645.28	645.35
J	580+97.52	10.33	644.98	645.03
K	581+07.55	10.33	644.68	644.72
L	581+17.57	10.33	644.37	644.40
M	581+27.59	10.33	644.07	644.08
CLP1	581+40.76	10.33	643.68	643.68

GIRDER 9 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
N	581+50.78	10.33	643.38	643.39
P	581+60.81	10.33	643.08	643.10
Q	581+70.83	10.33	642.78	642.81
R	581+80.86	10.33	642.48	642.53
S	581+90.88	10.33	642.17	642.25
T	582+00.91	10.33	641.87	641.97
U	582+10.93	10.33	641.57	641.68
V	582+20.96	10.33	641.27	641.38
W	582+30.98	10.33	640.97	641.08
X	582+41.01	10.33	640.67	640.77
Y	582+51.03	10.33	640.37	640.46
Z	582+61.05	10.33	640.07	640.15
AA	582+71.08	10.33	639.77	639.83
AB	582+81.10	10.33	639.47	639.51
AC	582+91.13	10.33	639.17	639.19
AD	583+01.15	10.33	638.87	638.87
AE	583+11.18	10.33	638.57	638.57
CLP2	583+20.75	10.33	638.28	638.28
AF	583+30.77	10.33	637.98	637.99
AG	583+40.80	10.33	637.68	637.71
AH	583+50.82	10.33	637.38	637.44
AJ	583+60.85	10.33	637.08	637.17
AK	583+70.87	10.33	636.78	636.90
AL	583+80.90	10.33	636.47	636.62
AM	583+90.92	10.33	636.17	636.35
AN	584+00.95	10.33	635.87	636.07
AP	584+10.97	10.33	635.57	635.78
AQ	584+21.00	10.33	635.27	635.49
AR	584+31.02	10.33	634.97	635.18
AS	584+41.04	10.33	634.67	634.87
AT	584+51.07	10.33	634.37	634.55
AU	584+61.09	10.33	634.07	634.23
AV	584+71.12	10.33	633.77	633.90
AW	584+81.14	10.33	633.47	633.57
AX	584+91.17	10.33	633.17	633.24
AY	585+01.19	10.33	632.87	632.91
AZ	585+11.22	10.33	632.56	632.59
CLP3	585+20.74	10.33	632.28	632.28
BA	585+30.76	10.33	631.98	631.98
BB	585+40.79	10.33	631.68	631.68
BC	585+50.81	10.33	631.38	631.38
BD	585+60.84	10.33	631.08	631.10
BE	585+70.86	10.33	630.78	630.81
BF	585+80.89	10.33	630.47	630.52
BG	585+90.91	10.33	630.17	630.23
BH	586+00.94	10.33	629.87	629.94
BJ	586+10.96	10.33	629.57	629.63
BK	586+20.99	10.33	629.27	629.33
BL	586+31.01	10.33	628.97	629.02
BM	586+41.03	10.33	628.67	628.70
CLBRGN	586+54.20	10.33	628.28	628.28
BKNABUT	586+57.70	10.33	628.17	628.17

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoure River\NORTHBOUND\NB0846deckel.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:25:27 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 30.0000 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 055-0046
SHEET NO. 6 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	366
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

GIRDER 10

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	17.67	647.64	647.64
CLBRGS	580+07.30	17.67	647.54	647.54
A	580+17.33	17.67	647.25	647.28
B	580+27.36	17.67	646.97	647.02
C	580+37.39	17.67	646.68	646.75
D	580+47.42	17.67	646.39	646.48
E	580+57.45	17.67	646.10	646.19
F	580+67.48	17.67	645.80	645.90
G	580+77.51	17.67	645.51	645.60
H	580+87.54	17.67	645.21	645.29
J	580+97.57	17.67	644.91	644.97
K	581+07.60	17.67	644.61	644.65
L	581+17.63	17.67	644.31	644.33
M	581+27.66	17.67	644.01	644.02
CLP1	581+40.76	17.67	643.62	643.62
N	581+50.79	17.67	643.32	643.32
P	581+60.82	17.67	643.01	643.03
Q	581+70.85	17.67	642.71	642.75
R	581+80.88	17.67	642.41	642.47
S	581+90.91	17.67	642.11	642.19
T	582+00.94	17.67	641.81	641.90
U	582+10.97	17.67	641.51	641.61
V	582+21.00	17.67	641.21	641.32
W	582+31.03	17.67	640.91	641.02
X	582+41.06	17.67	640.61	640.71
Y	582+51.09	17.67	640.31	640.40
Z	582+61.12	17.67	640.01	640.08
AA	582+71.15	17.67	639.70	639.76
AB	582+81.17	17.67	639.40	639.44
AC	582+91.20	17.67	639.10	639.13
AD	583+01.23	17.67	638.80	638.81
AE	583+11.26	17.67	638.50	638.50
CLP2	583+20.75	17.67	638.22	638.22
AF	583+30.78	17.67	637.92	637.93
AG	583+40.81	17.67	637.61	637.65
AH	583+50.84	17.67	637.31	637.38
AJ	583+60.87	17.67	637.01	637.10
AK	583+70.90	17.67	636.71	636.83
AL	583+80.93	17.67	636.41	636.56
AM	583+90.96	17.67	636.11	636.28
AN	584+00.99	17.67	635.81	636.01
AP	584+11.02	17.67	635.51	635.71
AQ	584+21.05	17.67	635.21	635.42
AR	584+31.08	17.67	634.91	635.12
AS	584+41.11	17.67	634.61	634.81
AT	584+51.14	17.67	634.30	634.49
AU	584+61.16	17.67	634.00	634.16
AV	584+71.19	17.67	633.70	633.83
AW	584+81.22	17.67	633.40	633.50
AX	584+91.25	17.67	633.10	633.17
AY	585+01.28	17.67	632.80	632.84
AZ	585+11.31	17.67	632.50	632.52

GIRDER 10 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
CLP3	585+20.74	17.67	632.22	632.22
BA	585+30.77	17.67	631.92	631.91
BB	585+40.80	17.67	631.61	631.61
BC	585+50.83	17.67	631.31	631.32
BD	585+60.86	17.67	631.01	631.03
BE	585+70.89	17.67	630.71	630.75
BF	585+80.92	17.67	630.41	630.46
BG	585+90.95	17.67	630.11	630.17
BH	586+00.98	17.67	629.81	629.87
BJ	586+11.01	17.67	629.51	629.57
BK	586+21.04	17.67	629.21	629.26
BL	586+31.07	17.67	628.91	628.95
BM	586+41.10	17.67	628.61	628.63
CLBRGN	586+54.20	17.67	628.21	628.21
BKNABUT	586+57.70	17.67	628.11	628.11

GIRDER 11

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	25.00	647.52	647.52
CLBRGS	580+07.30	25.00	647.42	647.42
A	580+17.33	25.00	647.13	647.16
B	580+27.37	25.00	646.85	646.90
C	580+37.40	25.00	646.56	646.63
D	580+47.44	25.00	646.27	646.36
E	580+57.47	25.00	645.98	646.07
F	580+67.51	25.00	645.68	645.78
G	580+77.54	25.00	645.39	645.48
H	580+87.58	25.00	645.09	645.17
J	580+97.61	25.00	644.79	644.85
K	581+07.65	25.00	644.49	644.53
L	581+17.68	25.00	644.19	644.21
M	581+27.72	25.00	643.89	643.90
CLP1	581+40.76	25.00	643.50	643.50

GIRDER 11 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
N	581+50.79	25.00	643.20	643.20
P	581+60.83	25.00	642.89	642.91
Q	581+70.86	25.00	642.59	642.63
R	581+80.90	25.00	642.29	642.35
S	581+90.93	25.00	641.99	642.07
T	582+00.97	25.00	641.69	641.78
U	582+11.00	25.00	641.39	641.49
V	582+21.04	25.00	641.09	641.20
W	582+31.07	25.00	640.79	640.90
X	582+41.11	25.00	640.49	640.59
Y	582+51.14	25.00	640.18	640.28
Z	582+61.18	25.00	639.88	639.96
AA	582+71.21	25.00	639.58	639.64
AB	582+81.25	25.00	639.28	639.32
AC	582+91.28	25.00	638.98	639.00
AD	583+01.32	25.00	638.68	638.69
AE	583+11.35	25.00	638.38	638.38
CLP2	583+20.75	25.00	638.10	638.10
AF	583+30.78	25.00	637.80	637.81
AG	583+40.82	25.00	637.49	637.53
AH	583+50.85	25.00	637.19	637.26
AJ	583+60.89	25.00	636.89	636.98
AK	583+70.92	25.00	636.59	636.71
AL	583+80.96	25.00	636.29	636.44
AM	583+90.99	25.00	635.99	636.16
AN	584+01.03	25.00	635.69	635.88
AP	584+11.06	25.00	635.39	635.59
AQ	584+21.10	25.00	635.09	635.30
AR	584+31.13	25.00	634.79	634.99
AS	584+41.17	25.00	634.48	634.69
AT	584+51.20	25.00	634.18	634.36
AU	584+61.24	25.00	633.88	634.04
AV	584+71.27	25.00	633.58	633.71
AW	584+81.31	25.00	633.28	633.38
AX	584+91.34	25.00	632.98	633.05
AY	585+01.38	25.00	632.68	632.72
AZ	585+11.41	25.00	632.38	632.40
CLP3	585+20.74	25.00	632.10	632.10
BA	585+30.77	25.00	631.80	631.79
BB	585+40.81	25.00	631.49	631.49
BC	585+50.84	25.00	631.19	631.20
BD	585+60.88	25.00	630.89	630.91
BE	585+70.91	25.00	630.59	630.62
BF	585+80.95	25.00	630.29	630.34
BG	585+90.98	25.00	629.99	630.05
BH	586+01.02	25.00	629.69	629.75
BJ	586+11.05	25.00	629.39	629.45
BK	586+21.09	25.00	629.09	629.14
BL	586+31.12	25.00	628.79	628.83
BM	586+41.16	25.00	628.48	628.51
CLBRGN	586+54.20	25.00	628.09	628.09
BKNABUT	586+57.70	25.00	627.99	627.99

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\NB0846deckel.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -	
PLOT TIME = 3:25:28 PM	CHECKED - ACB	REVISED -	
PLOT SCALE = 30.0000 ' / in.	DRAWN - RLK	REVISED -	
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 055-0046
SHEET NO. 7 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	367
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

GIRDER 12

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BKSABUT	580+03.80	32.33	647.37	647.37
CLBRGS	580+07.30	32.33	647.27	647.27
A	580+17.34	32.33	646.98	647.01
B	580+27.38	32.33	646.70	646.75
C	580+37.42	32.33	646.41	646.48
D	580+47.46	32.33	646.12	646.21
E	580+57.50	32.33	645.82	645.92
F	580+67.54	32.33	645.53	645.62
G	580+77.58	32.33	645.23	645.32
H	580+87.62	32.33	644.94	645.01
J	580+97.66	32.33	644.64	644.69
K	581+07.70	32.33	644.34	644.38
L	581+17.74	32.33	644.03	644.06
M	581+27.78	32.33	643.73	643.74
CLP1	581+40.76	32.33	643.34	643.34
N	581+50.80	32.33	643.04	643.05
P	581+60.84	32.33	642.74	642.76
Q	581+70.88	32.33	642.44	642.48
R	581+80.92	32.33	642.14	642.19
S	581+90.96	32.33	641.84	641.91
T	582+01.00	32.33	641.54	641.63
U	582+11.04	32.33	641.24	641.34
V	582+21.08	32.33	640.93	641.04
W	582+31.12	32.33	640.63	640.74
X	582+41.16	32.33	640.33	640.44
Y	582+51.20	32.33	640.03	640.12
Z	582+61.24	32.33	639.73	639.81
AA	582+71.28	32.33	639.43	639.49
AB	582+81.32	32.33	639.13	639.17
AC	582+91.36	32.33	638.83	638.85
AD	583+01.40	32.33	638.52	638.53
AE	583+11.44	32.33	638.22	638.23
CLP2	583+20.75	32.33	637.94	637.94
AF	583+30.79	32.33	637.64	637.66
AG	583+40.83	32.33	637.34	637.37
AH	583+50.87	32.33	637.04	637.10
AJ	583+60.91	32.33	636.74	636.83
AK	583+70.95	32.33	636.44	636.56
AL	583+80.99	32.33	636.14	636.29
AM	583+91.03	32.33	635.84	636.01
AN	584+01.07	32.33	635.53	635.73
AP	584+11.11	32.33	635.23	635.44
AQ	584+21.15	32.33	634.93	635.15
AR	584+31.19	32.33	634.63	634.84
AS	584+41.23	32.33	634.33	634.53
AT	584+51.27	32.33	634.03	634.21
AU	584+61.31	32.33	633.73	633.89
AV	584+71.35	32.33	633.43	633.56
AW	584+81.39	32.33	633.12	633.23
AX	584+91.43	32.33	632.82	632.89
AY	585+01.47	32.33	632.52	632.56
AZ	585+11.51	32.33	632.22	632.24

GIRDER 12 (Continued)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
CLP3	585+20.74	32.33	631.94	631.94
BA	585+30.78	32.33	631.64	631.64
BB	585+40.82	32.33	631.34	631.34
BC	585+50.86	32.33	631.04	631.05
BD	585+60.90	32.33	630.74	630.76
BE	585+70.94	32.33	630.44	630.47
BF	585+80.98	32.33	630.14	630.18
BG	585+91.02	32.33	629.84	629.89
BH	586+01.06	32.33	629.53	629.60
BJ	586+11.10	32.33	629.23	629.29
BK	586+21.14	32.33	628.93	628.99
BL	586+31.18	32.33	628.63	628.67
BM	586+41.22	32.33	628.33	628.36
CLBRGN	586+54.20	32.33	627.94	627.94
BKNABUT	586+57.70	32.33	627.84	627.84

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoure River\NORTHBOUND\NB0046deckel.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:25:28 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 30.0000 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 055-0046
SHEET NO. 8 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	368
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			

WEST EDGE OF SHOULDER

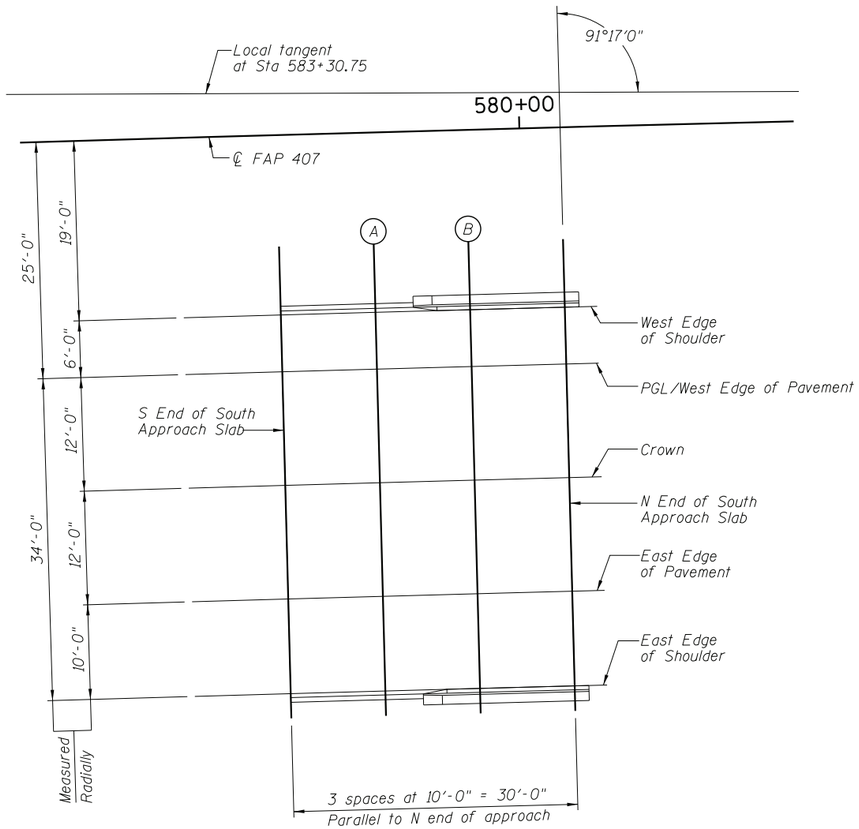
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	579+74.26	-6.00	648.24
A	579+84.27	-6.00	647.96
B	579+94.29	-6.00	647.68
N. End of S. Appr.	580+04.30	-6.00	647.40

PGL/WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	579+74.25	0.00	648.36
A	579+84.26	0.00	648.09
B	579+94.28	0.00	647.81
N. End of S. Appr.	580+04.30	0.00	647.53

CROWN

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	579+74.22	12.00	648.55
A	579+84.25	12.00	648.27
B	579+94.27	12.00	647.99
N. End of S. Appr.	580+04.30	12.00	647.71



PLAN

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	579+74.19	24.00	648.37
A	579+84.23	24.00	648.09
B	579+94.26	24.00	647.81
N. End of S. Appr.	580+04.29	24.00	647.53

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr.	579+74.17	34.00	648.16
A	579+84.21	34.00	647.88
B	579+94.25	34.00	647.60
N. End of S. Appr.	580+04.29	34.00	647.32

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 055-0046
SHEET NO. 9 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	369
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

WEST EDGE OF SHOULDER

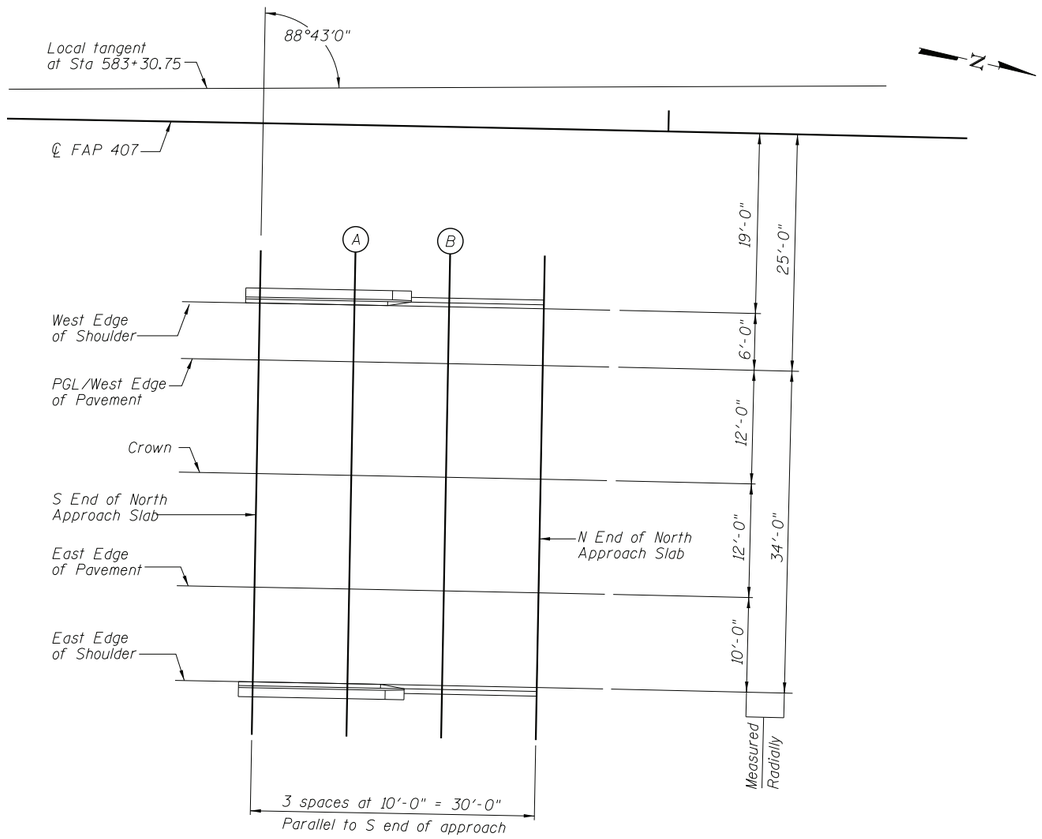
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	586+57.20	-6.00	627.90
A	586+67.21	-6.00	627.60
B	586+77.23	-6.00	627.30
N. End of N. Appr.	586+87.24	-6.00	627.00

PGL/WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	586+57.20	0.00	628.02
A	586+67.22	0.00	627.72
B	586+77.24	0.00	627.42
N. End of N. Appr.	586+87.25	0.00	627.12

CROWN

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	586+57.20	12.00	628.21
A	586+67.23	12.00	627.91
B	586+77.26	12.00	627.61
N. End of N. Appr.	586+87.28	12.00	627.31



PLAN

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	586+57.21	24.00	628.02
A	586+67.24	24.00	627.72
B	586+77.27	24.00	627.42
N. End of N. Appr.	586+87.31	24.00	627.12

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr.	586+57.21	34.00	627.82
A	586+67.25	34.00	627.51
B	586+77.29	34.00	627.21
N. End of N. Appr.	586+87.33	34.00	626.91

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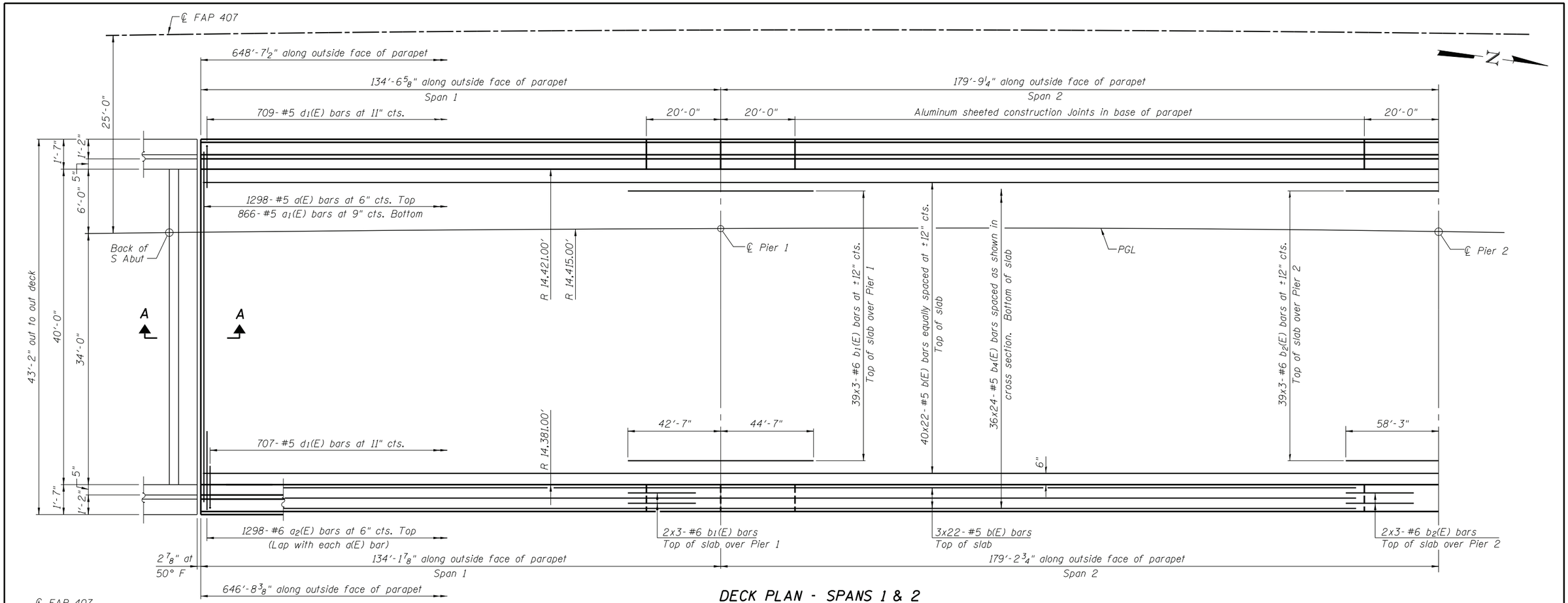
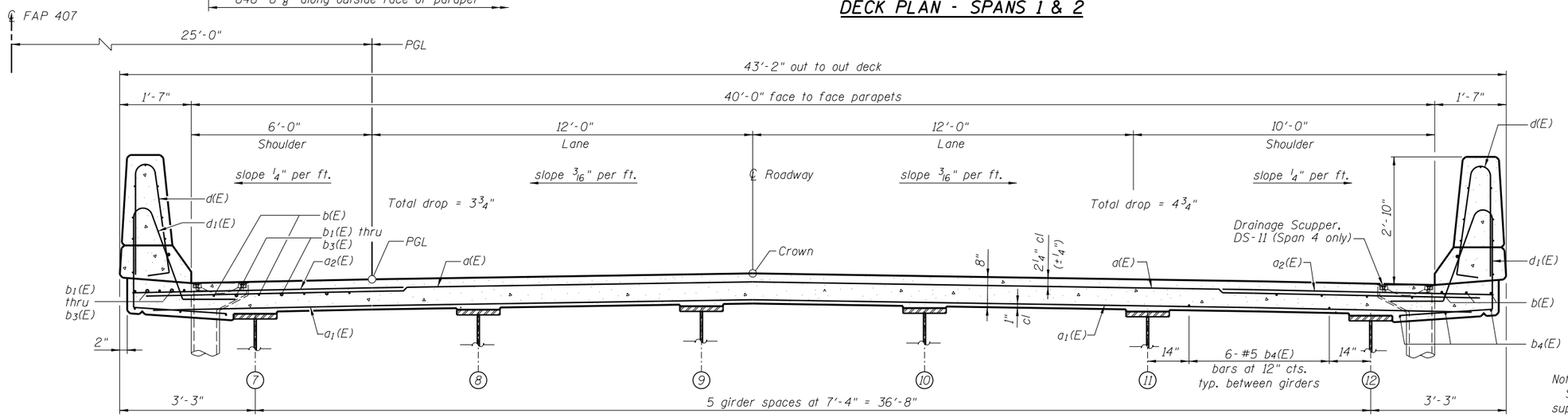
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 055-0046 (NB)
SHEET NO. 10 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	370
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



DECK PLAN - SPANS 1 & 2



NEAR PIER

NEAR MIDSPAN

CROSS SECTION

(Looking Up Station)

MIN BAR LAP

(Deck)
#5 bar = 3'-3"
#6 bar = 3'-10"

Notes:
See Sheet 14 of 53 for Section A-A, superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 13 of 53 for parapet reinforcement.
All transverse dimensions are measured radially.

FILE NAME = I:\IDOT\5686, HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\NB0046deckplan1.dgn

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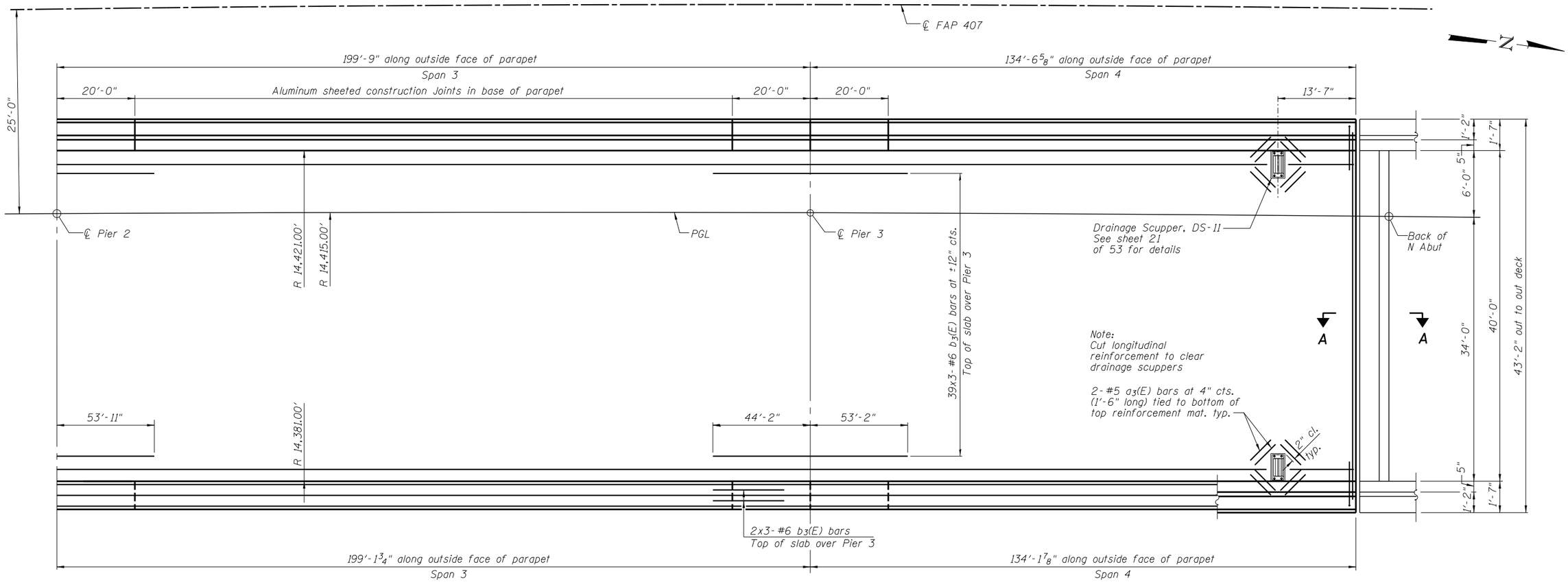
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE – SPANS 1 & 2
STRUCTURE NO. 055-0046
SHEET NO. 11 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	371
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



DECK PLAN - SPANS 3 & 4

MIN BAR LAP

(Deck)
#5 bar = 3'-3"
#6 bar = 3'-10"

Notes:
See Sheet 14 of 53 for Section A-A, superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 13 of 53 for parapet reinforcement.
All transverse dimensions are measured radially.

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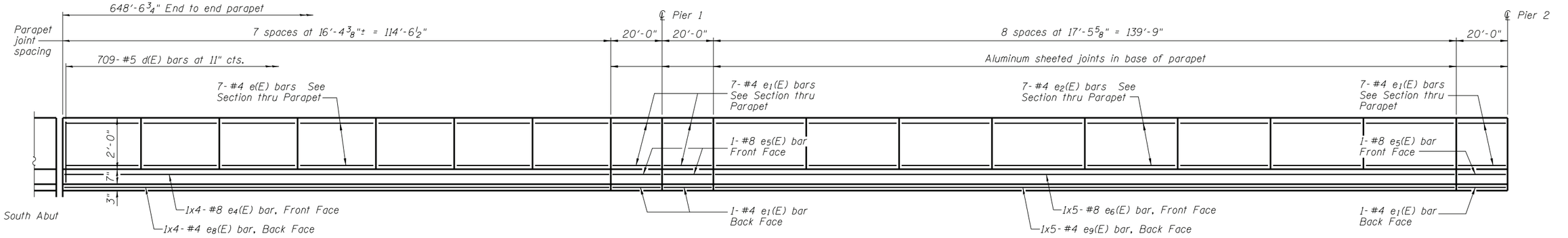
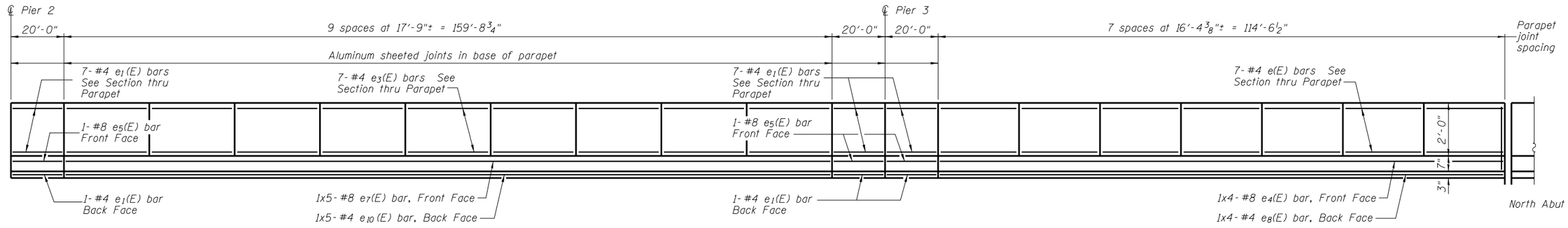
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE – SPANS 3 & 4
STRUCTURE NO. 055-0046
SHEET NO. 12 OF 53 SHEETS

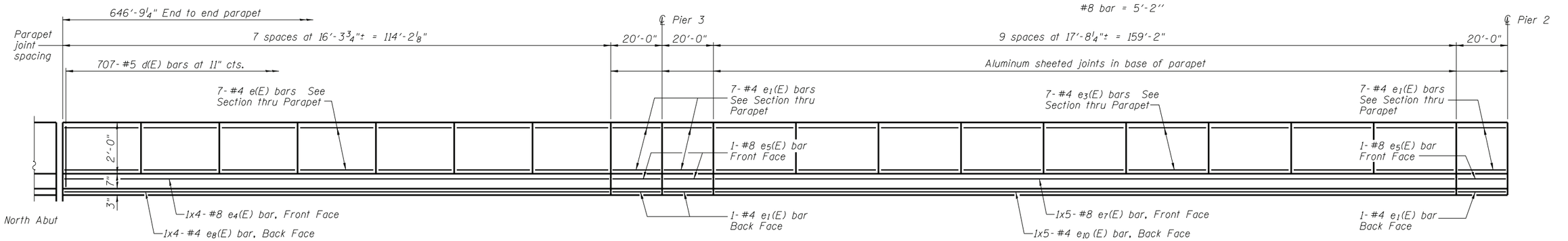
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	372
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS	FED. AID PROJECT	

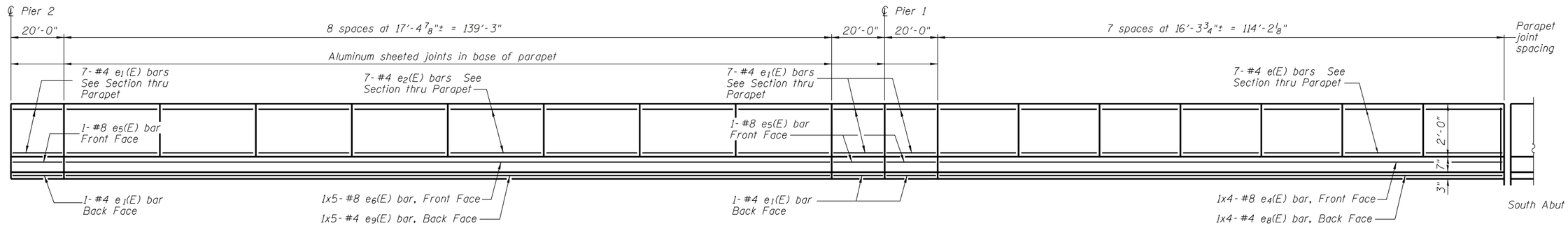




INSIDE ELEVATION OF WEST PARAPET

MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"





INSIDE ELEVATION OF EAST PARAPET

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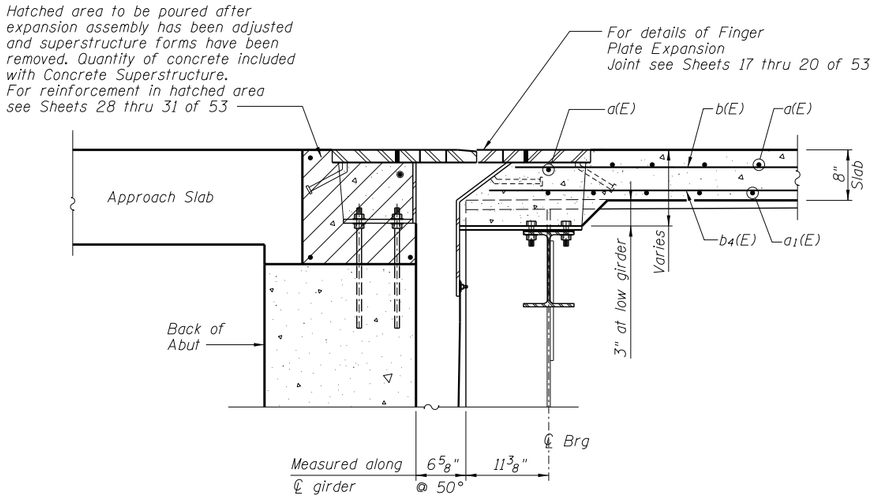
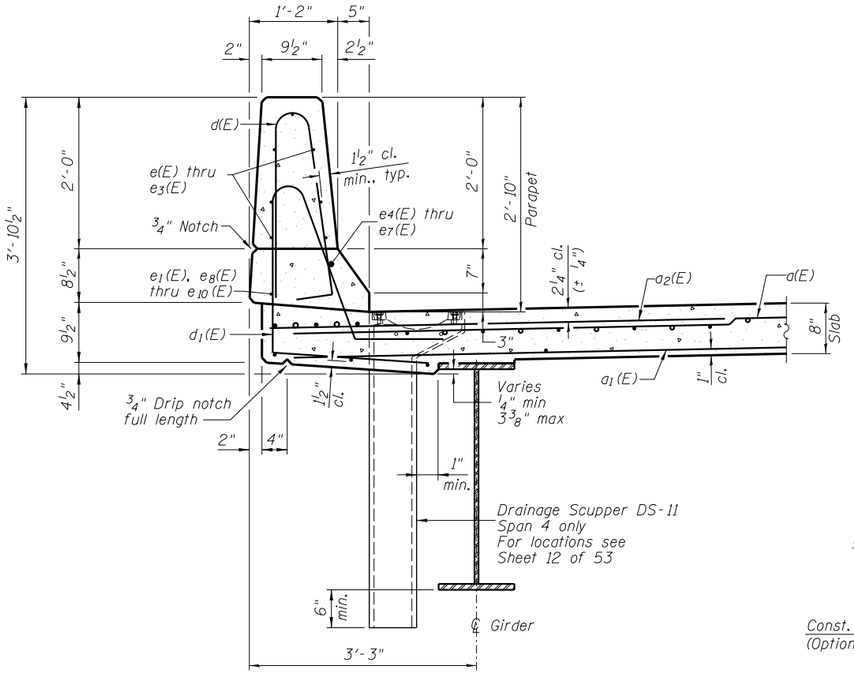
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 13 OF 53 SHEETS

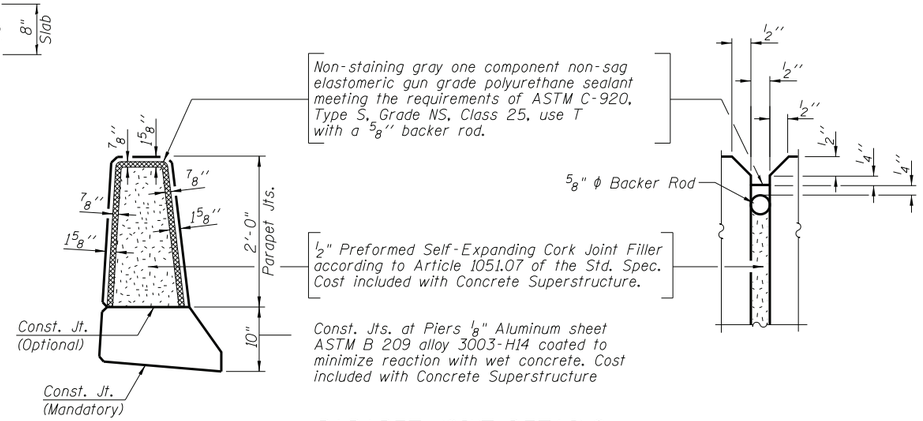
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	373
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



SECTION A-A



SECTION THRU PARAPET

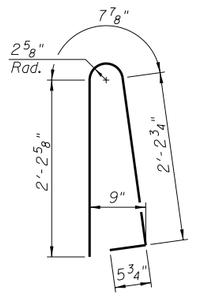


PARAPET JOINT DETAILS

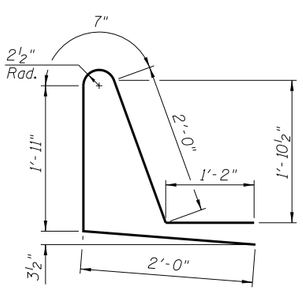
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	1298	#5	42'-6"	——
a_1(E)	866	#5	41'-6"	——
a_2(E)	2596	#6	6'-6"	——
a_3(E)	16	#5	1'-6"	——
b(E)	1012	#5	32'-9"	——
b_1(E)	129	#6	31'-8"	——
b_2(E)	129	#6	40'-0"	——
b_3(E)	129	#6	35'-0"	——
b_4(E)	864	#5	30'-3"	——
d(E)	1416	#5	5'-7"	
d_1(E)	1416	#5	7'-8"	
e(E)	196	#4	16'-1"	——
e_1(E)	96	#4	19'-8"	——
e_2(E)	112	#4	17'-2"	——
e_3(E)	126	#4	17'-5"	——
e_4(E)	16	#8	32'-6"	——
e_5(E)	12	#8	19'-8"	——
e_6(E)	10	#8	32'-1"	——
e_7(E)	10	#8	36'-1"	——
e_8(E)	16	#4	30'-1"	——
e_9(E)	10	#4	29'-6"	——
e_{10}(E)	10	#4	33'-6"	——
Reinforcement Bars, Epoxy Coated		Pound	233,150	
Concrete Superstructure		Cu. Yds.	903.3	
Bridge Deck Grooving		Sq. Yd.	2735	
Protective Coat		Sq. Yd.	3420	

Bars indicated thus 1 x 5-#8 etc. indicates 1 line of bars with 5 lengths per line.



BAR d(E)



BAR d1(E)

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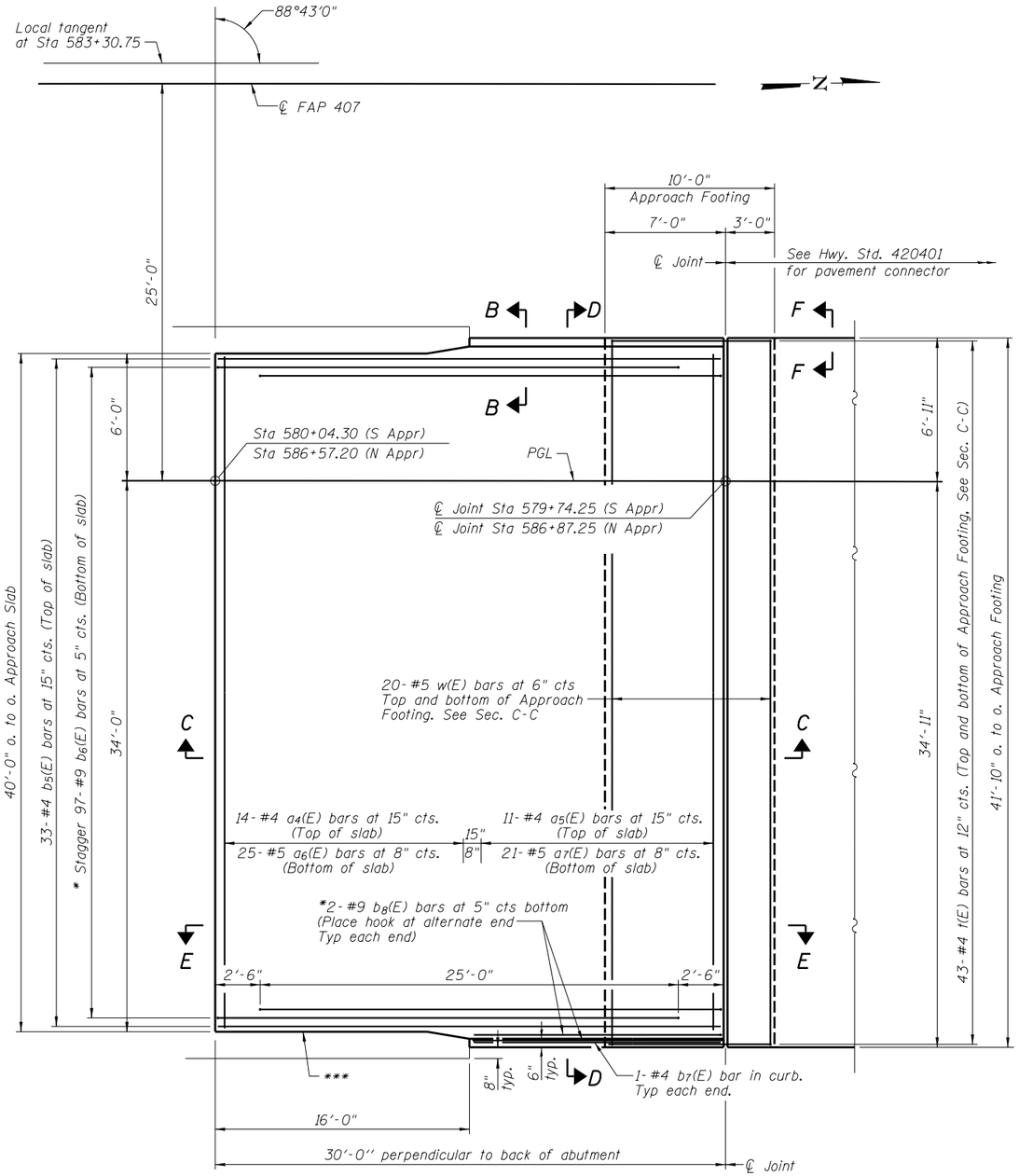
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 14 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	374
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



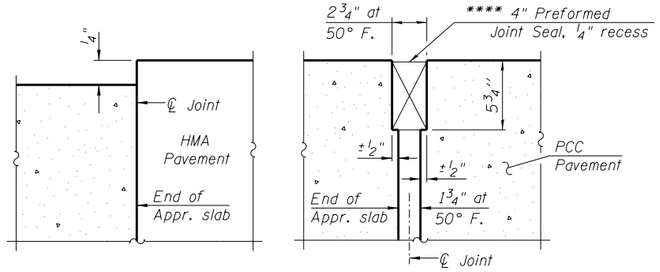
PLAN

North approach shown (South approach similar)

* Tilt #9 b_6(E) bars as required to maintain clearance.
*** Preformed flexible foam expansion joint filler according to Article 1051.09 of the Standard Specifications, full depth of slab, full length of parapet. Typical each parapet. Cost included with Concrete Superstructure.

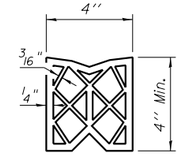
Notes:
See sheet 16 of 53 for Sections C-C & D-D and View E-E.
a_4(E) thru a_7(E) bar spacings measured perpendicular to back of abutment.

**** Cost included with Concrete Superstructure.

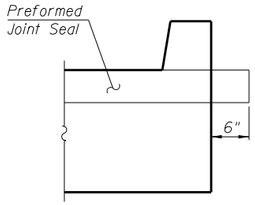


FLEXIBLE PAVEMENT — RIGID PAVEMENT

DETAIL A

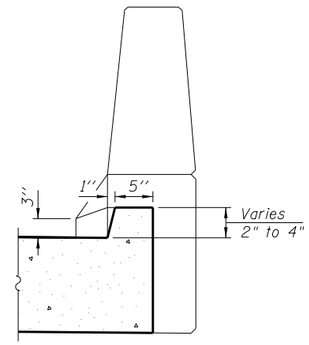


PREFORMED JOINT SEAL



VIEW F-F

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.



VIEW B-B

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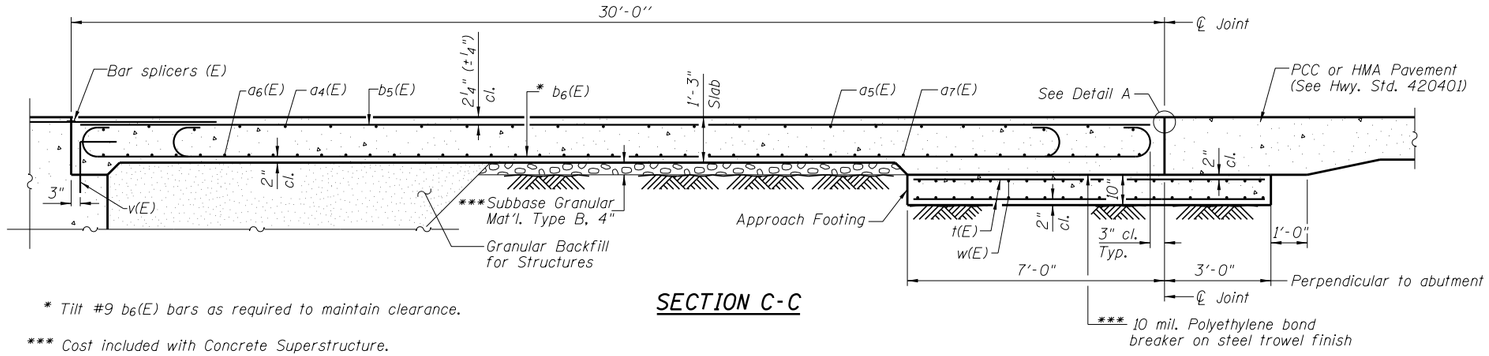
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 15 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV±HB(2-6)±B,B-1,B-2)]	MCDONOUGH	874	375
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

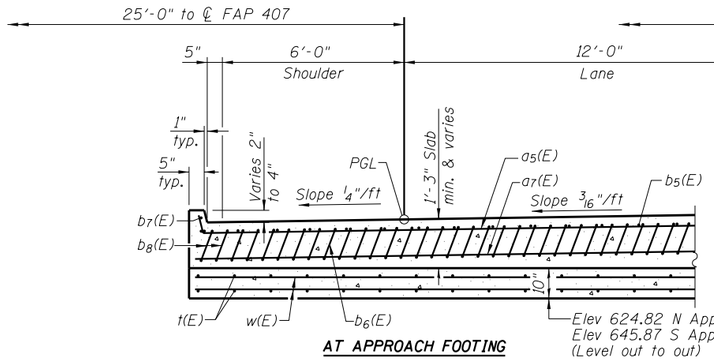


SECTION C-C

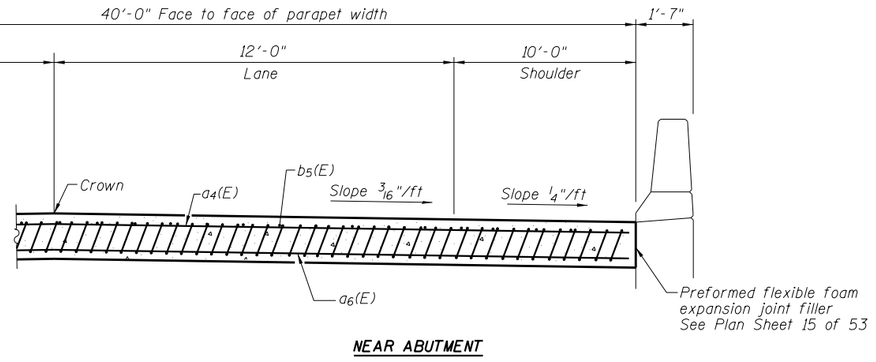
* Tilt #9 $b_6(E)$ bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

Notes:
See sheet 15 of 53 for Detail A and View B-B.
Approach slab concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For v(E) bar details, see sheets 28 thru 31 of 53.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 36 of 53.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 53.

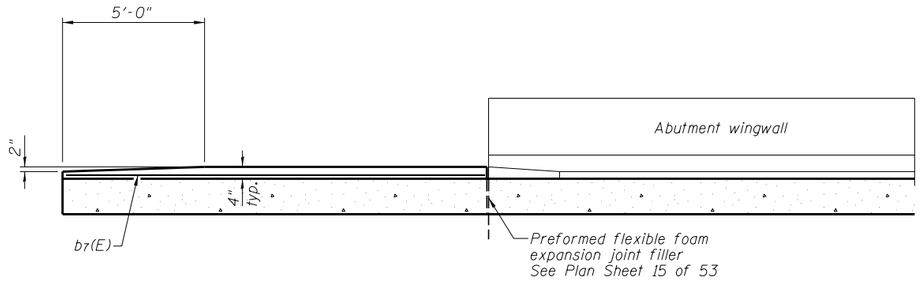


AT APPROACH FOOTING

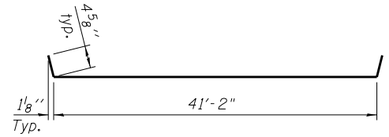


NEAR ABUTMENT

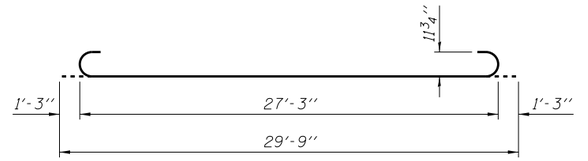
SECTION D-D
(See Plan for dimensions not shown)



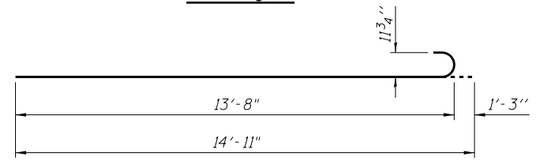
VIEW E-E



BAR a5(E)



BAR b6(E)



BAR b8(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a4(E)	28	#4	39'-8"	
a5(E)	22	#4	41'-11"	
a6(E)	50	#5	39'-8"	
a7(E)	42	#5	41'-6"	
b5(E)	66	#4	29'-8"	
b6(E)	194	#9	29'-9"	
b7(E)	4	#4	13'-8"	
b8(E)	8	#9	14'-11"	
t(E)	172	#4	9'-8"	
w(E)	80	#5	41'-6"	
Concrete Superstructure			Cu. Yd.	126.0
Concrete Structures			Cu. Yd.	25.8
Reinforcement Bars, Epoxy Coated			Pound	31,200
Bridge Deck Grooving			Sq. Yd.	254
Protective Coat			Sq. Yd.	304

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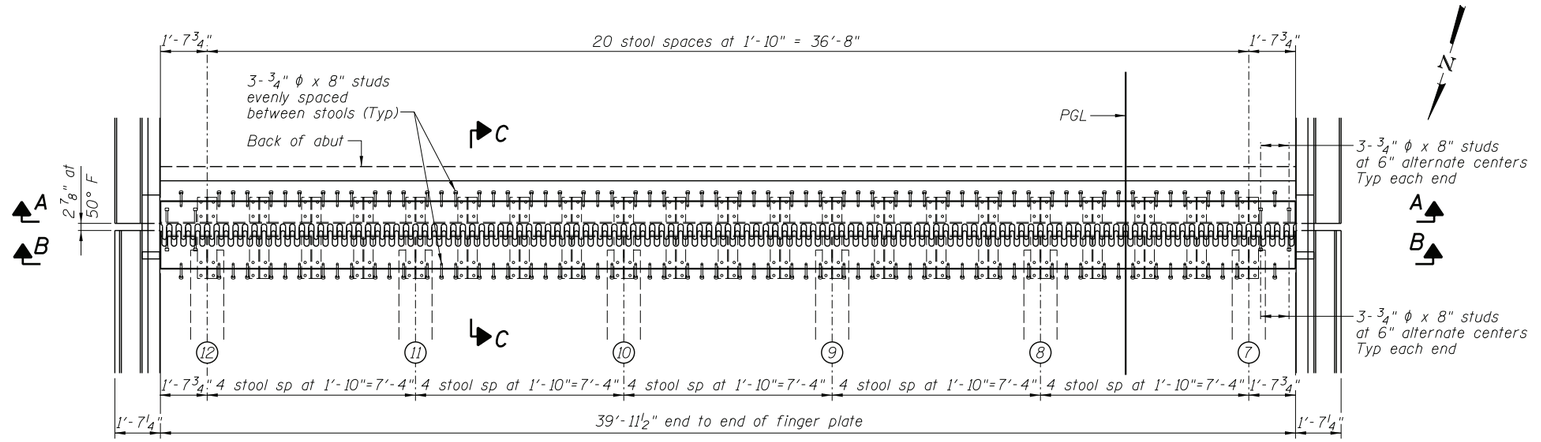
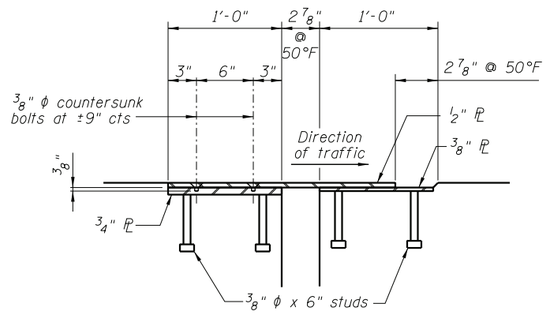
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 16 OF 53 SHEETS

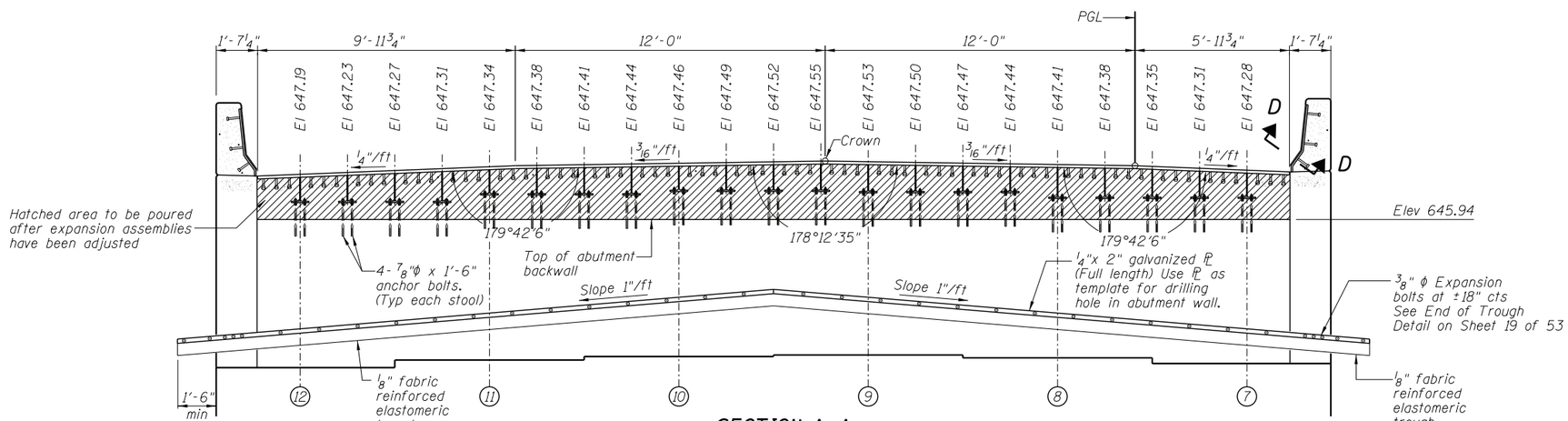
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	376
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			



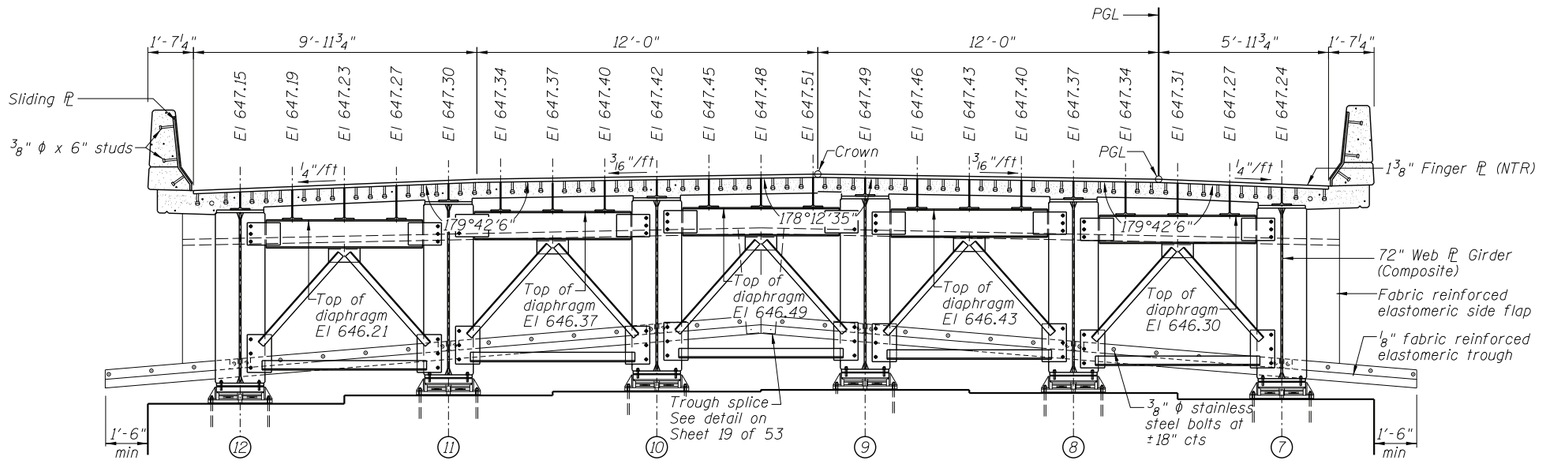
PLAN OF FINGER PLATE EXPANSION DEVICE AT SOUTH ABUTMENT



SECTION D-D



SECTION A-A



SECTION B-B

NOTES:

Elevations shown in Section A-A are taken along front face of backwall at bottom of 1 3/8" finger PL.

Elevations shown in Section B-B are taken at ℄ bearing at bottom of 1 3/8" finger PL.

See Sheet 22 of 53 for top of web elevations.

See Sheet 23 of 53 for top flange thickness.

Heights of stools for finger PL varies.

FILE NAME = I:\IDOT\5686. HEI.IL336\C400.Structural\East Fork Lamoine River\NGRTHBOUND\N68046fingerplateabut.dgn

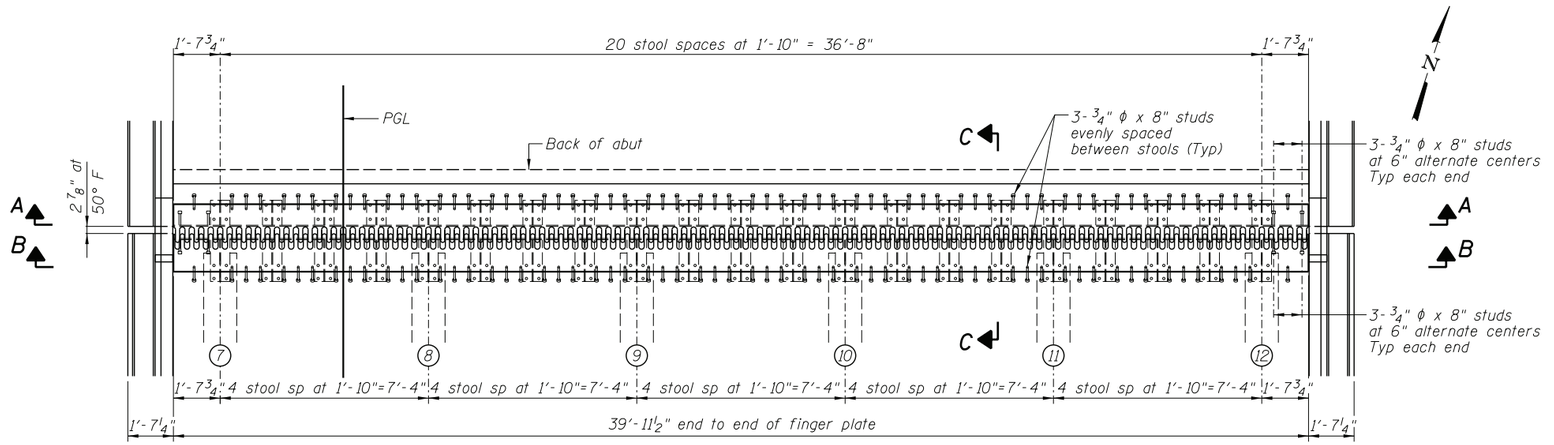
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:25:34 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 2.8 '/ in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

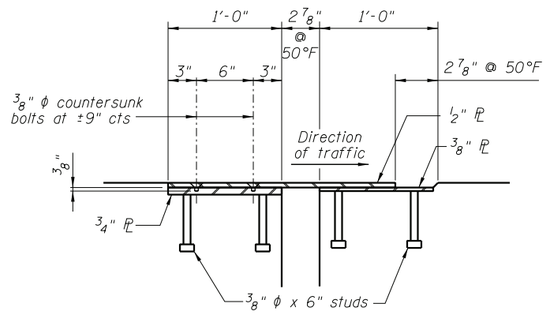
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE EXPANSION JOINT – SOUTH ABUTMENT
STRUCTURE NO. 055-0046
SHEET NO. 17 OF 53 SHEETS

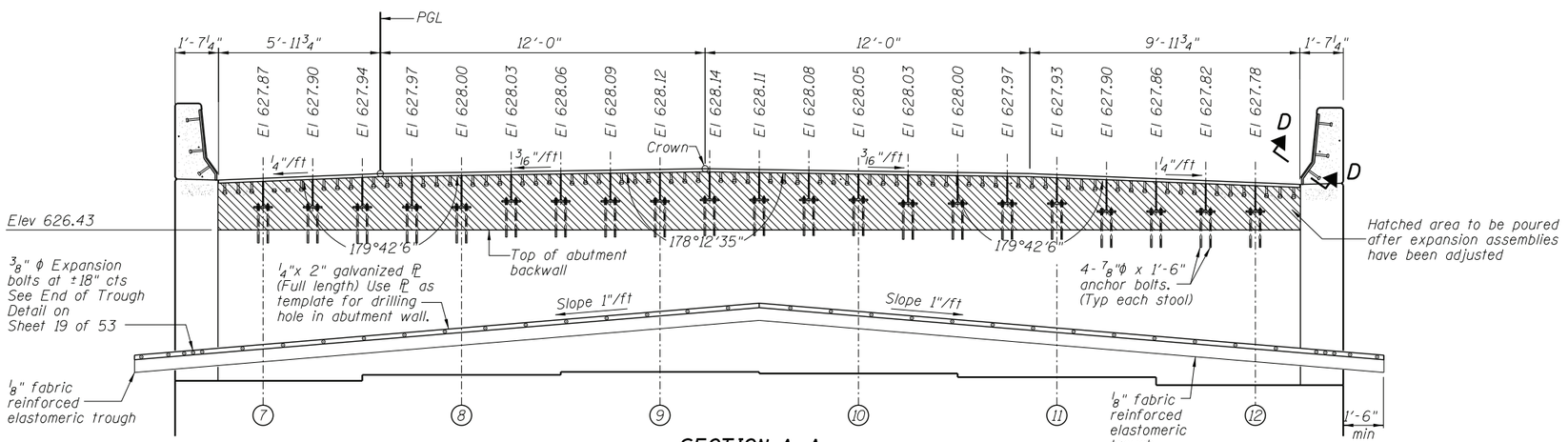
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	377
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



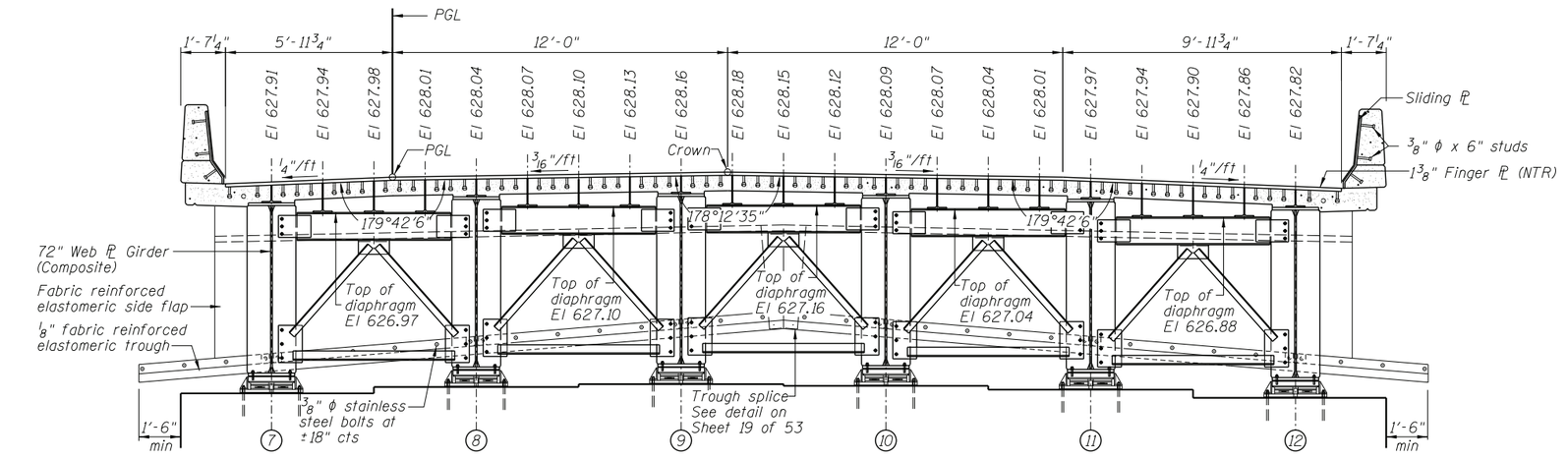
PLAN OF FINGER PLATE EXPANSION DEVICE AT NORTH ABUTMENT



SECTION D-D



SECTION A-A



SECTION B-B

NOTES:

Elevations shown in Section A-A are taken along front face of backwall at bottom of 1 3/8" finger PL.

Elevations shown in Section B-B are taken at ℄ bearing at bottom of 1 3/8" finger PL.

See Sheet 22 of 53 for top of web elevations.

See Sheet 23 of 53 for top flange thickness.

Heights of stools for finger PL varies.

FILE NAME = I:\DOT\5686_HEI_IL336\CADD\Structural\East Fork Lamoine River\NORTHBOUND\N68B46fingerplnabut.dgn

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184-001397

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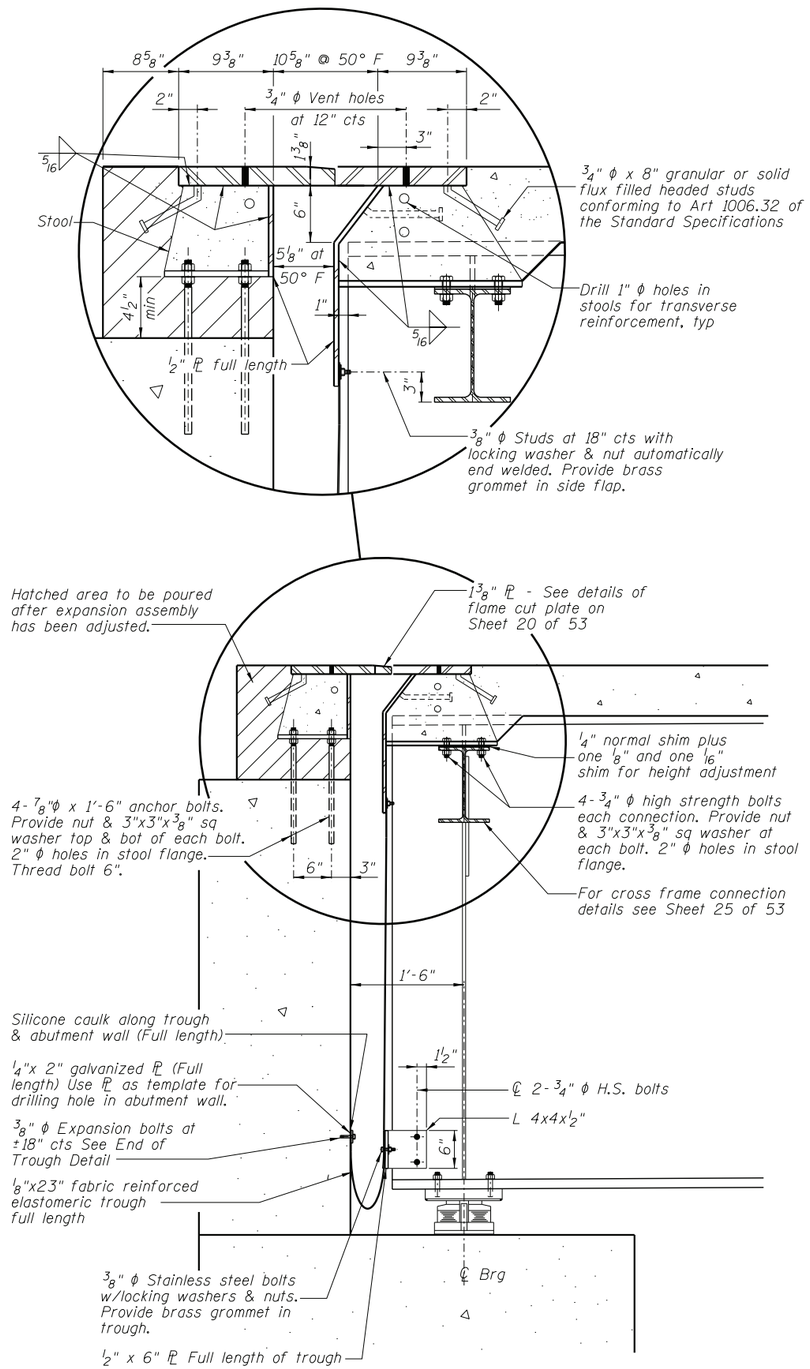
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

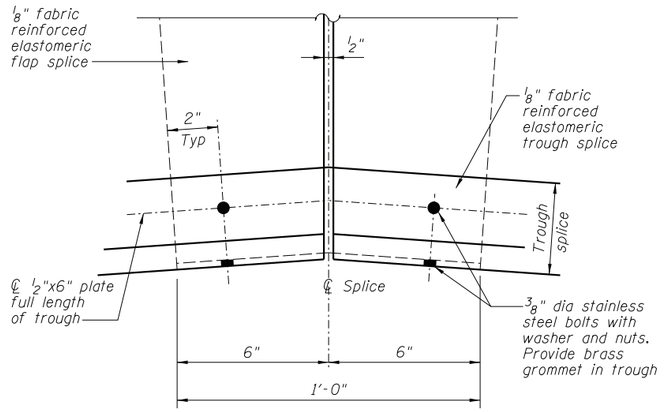
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE EXPANSION JOINT – NORTH ABUTMENT
STRUCTURE NO. 055-0046
SHEET NO. 18 OF 53 SHEETS

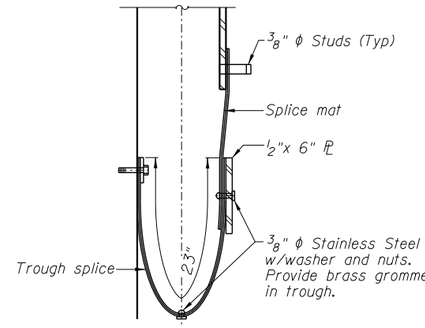
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	378
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			



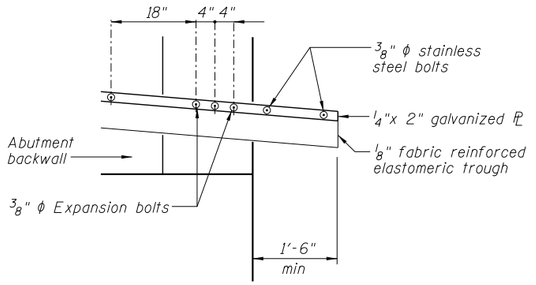
SECTION C-C



TROUGH SPLICE DETAIL



SECTION THRU TROUGH SPLICE



END OF TROUGH DETAIL

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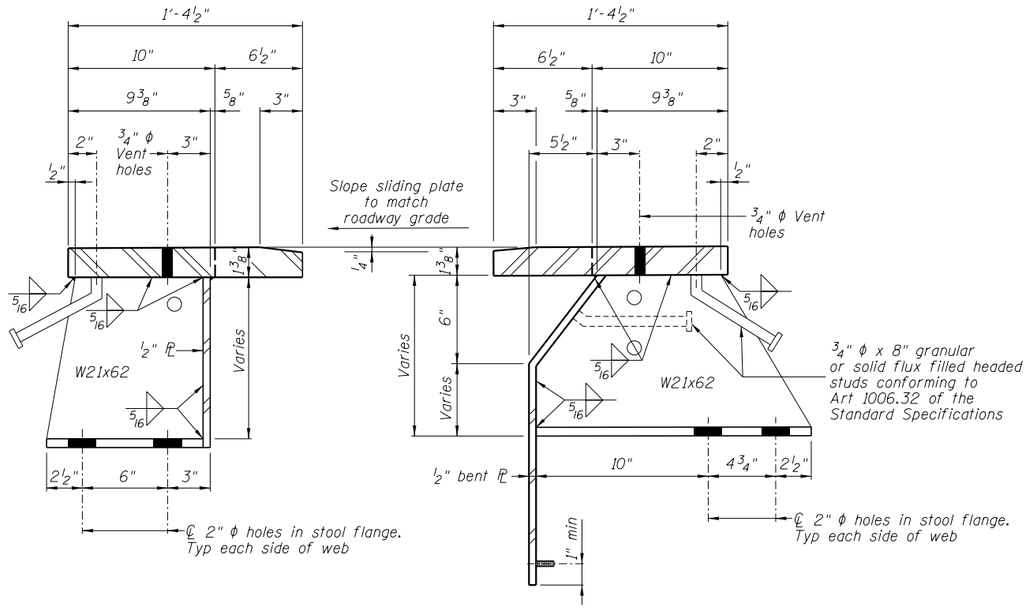
	PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

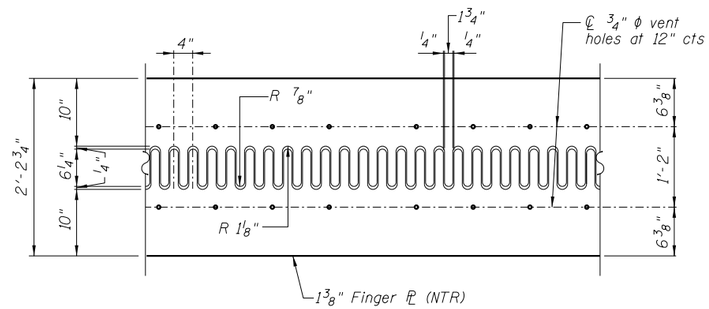
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE EXPANSION JOINT DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 19 OF 53 SHEETS

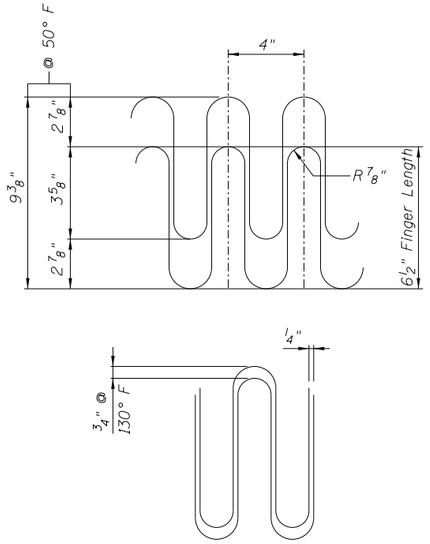
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6);B-1,B-2)]	MCDONOUGH	874	379
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



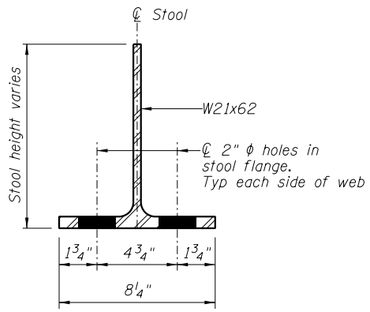
STOOLS DETAILS AT FINGER PLATE JOINT



FLAME CUTTING DIAGRAM



JOINT OPENING AND GEOMETRY DETAIL



SECTION THRU STOOL

NOTES:

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

Finger plates and sliding plates shall conform to the requirements of AASHTO M270, Grade 50W.

The cost of all materials for finger plates, trough support brackets and elastomeric troughs shall be included in the cost of Finger Plate Expansion Joint, 4".

All steel components of the expansion joint including hardware associated with the trough system and sliding plates shall be galvanized after fabrication according to Section 520.03 of the Standard Specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Finger Plate Expansion Joint, 4"	Foot	80

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\NB8846fingerpl2.dgn

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CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
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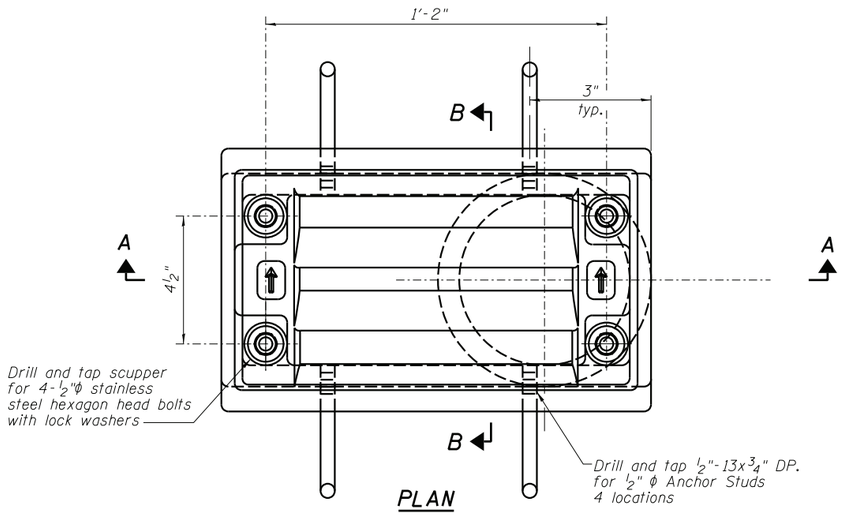
PLOT SCALE = 2.6667 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/27/2015	CHECKED - JMB	REVISED -

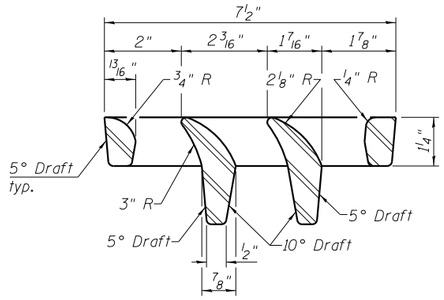
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE EXPANSION JOINT DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 20 OF 53 SHEETS

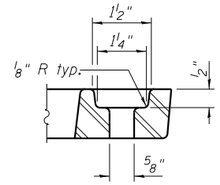
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	380
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			



PLAN



VANE GRATE DETAIL



BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

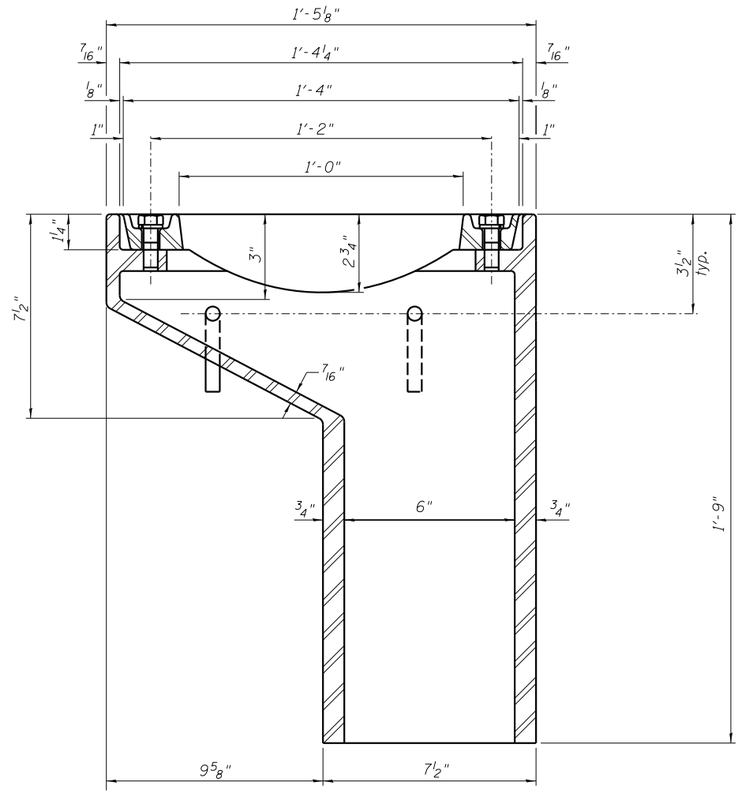
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

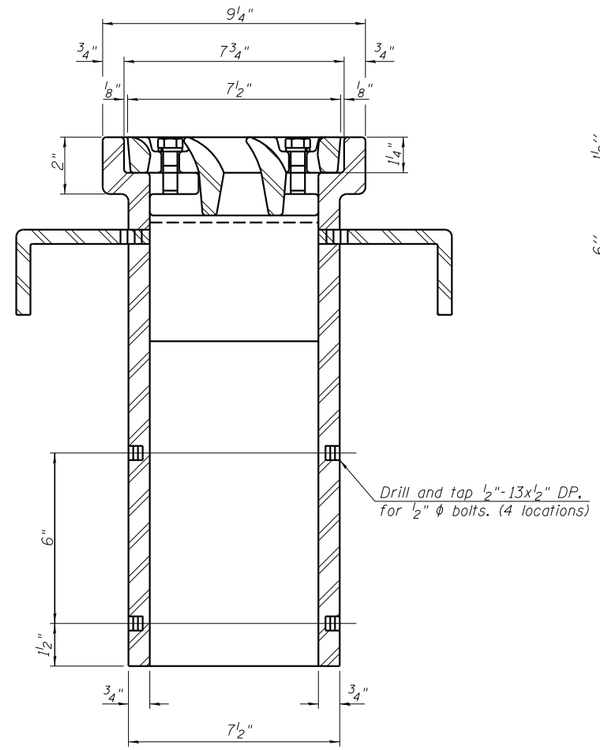
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

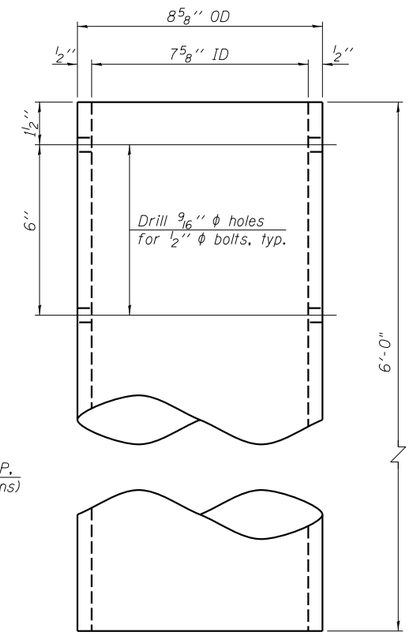


SECTION A-A

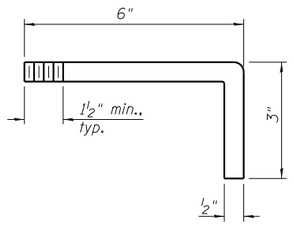
See sheet 14 of 53 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scupper, DS-11	Each	2

FILE NAME = I:\IDOT\5686, HEI,IL336\C400,Structural\East Fork Lamoine River\NBRTHBOUND\NBDS11scupper.dgn

DS-11

7-1-10

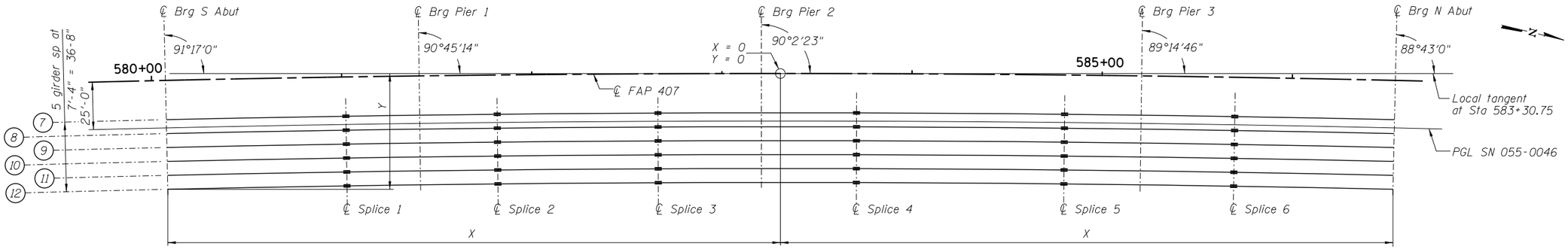
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:25:44 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 1.0000 '/ in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 055-0046
SHEET NO. 21 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6½B,B-1,B-2))	MCDONOUGH	874	381
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS	FED. AID PROJECT	

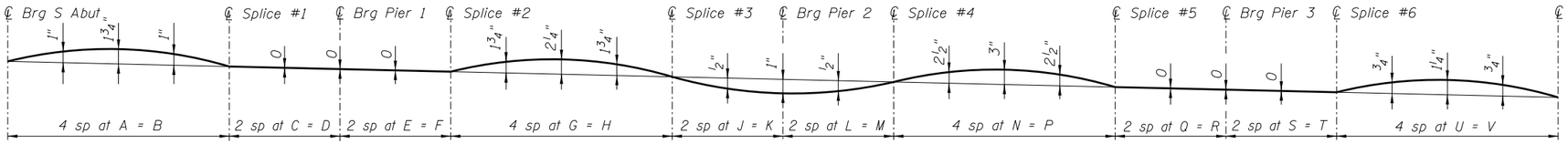


CURVED GIRDER LAYOUT

GIRDER LAYOUT DIMENSIONS

Girder	S Abut		Splice 1		Pier 1		Splice 2		Splice 3		Pier 2		Splice 4		Splice 5		Pier 3		Splice 6		N Abut	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
7	322'-11½"	24'-3⅜"	228'-5⅞"	22'-5¾"	189'-8½"	21'-11"	148'-11⅛"	21'-5¼"	64'-4⅝"	20'-9¾"	9'-11⅞"	20'-8"	40'-0⅝"	20'-8⅝"	149'-5½"	21'-5¼"	189'-8½"	21'-11"	238'-11⅝"	22'-7¾"	322'-11½"	24'-3⅜"
8	322'-9½"	31'-7⅜"	228'-4⅜"	29'-9¾"	189'-7⅜"	29'-3"	148'-10⅛"	28'-9¼"	64'-4⅛"	28'-1¾"	9'-11¾"	28'-0"	40'-0⅜"	28'-0⅝"	149'-4⅝"	28'-9¼"	189'-7⅜"	29'-3"	238'-10⅛"	29'-11¾"	322'-9½"	31'-7⅜"
9	322'-7½"	38'-11⅜"	228'-3"	37'-1¾"	189'-6¼"	36'-7"	148'-9¼"	36'-1¼"	64'-3¾"	35'-5¾"	9'-11¾"	35'-4"	40'-0⅛"	35'-4⅝"	149'-3⅝"	36'-1¼"	189'-6¼"	36'-7"	238'-8⅝"	37'-3¾"	322'-7½"	38'-11⅜"
10	322'-5½"	46'-3⅜"	228'-1⅝"	44'-5¾"	189'-5⅛"	43'-11"	148'-8⅜"	43'-5¼"	64'-3⅜"	42'-9¾"	9'-11⅝"	42'-8"	39'-11⅞"	42'-8⅝"	149'-2¾"	43'-5¼"	189'-5⅛"	43'-11"	238'-7¼"	44'-7¾"	322'-5½"	46'-3⅜"
11	322'-3⅝"	53'-7⅜"	228'-0¼"	51'-9⅝"	189'-3⅞"	51'-3"	148'-7⅜"	50'-9¼"	64'-3"	50'-1¾"	9'-11½"	50'-0"	39'-11⅝"	50'-0⅝"	149'-1⅞"	50'-9¼"	189'-3⅞"	51'-3"	238'-5¾"	51'-11¾"	322'-3⅝"	53'-7⅜"
12	322'-1⅝"	60'-11¼"	227'-10⅞"	59'-1⅝"	189'-2¾"	58'-7"	148'-6½"	58'-1¼"	64'-2⅝"	57'-5¾"	9'-11½"	57'-4"	39'-11⅜"	57'-4⅝"	149'-1"	58'-1¼"	189'-2¾"	58'-7"	238'-4¼"	59'-3¾"	322'-1⅝"	60'-11¼"

X dimensions are along local tangent at Sta 583+30.75
Y dimensions are at right angles to the local tangent at Sta 583+30.75



CAMBER DIAGRAM

TABLE OF CAMBER DIMENSIONS

Girder	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
7	23'-7½"	94'-5⅞"	19'-4⅝"	38'-9⅜"	20'-4¾"	40'-9½"	21'-1⅝"	84'-6½"	27'-2⅜"	54'-4¾"	25'-0¼"	50'-0½"	27'-4¼"	109'-4⅞"	20'-1½"	40'-3"	24'-7½"	49'-3⅛"	21'-0"	84'-0⅛"
8	23'-7⅜"	94'-5¼"	19'-4½"	38'-9⅛"	20'-4⅝"	40'-9¼"	21'-1½"	84'-6"	27'-2¼"	54'-4⅜"	25'-0"	50'-0⅛"	27'-4"	109'-4¼"	20'-1⅜"	40'-2⅞"	24'-7½"	49'-2⅞"	20'-11⅞"	83'-11½"
9	23'-7⅛"	94'-4¾"	19'-4⅜"	38'-8⅞"	20'-4½"	40'-9"	21'-1⅜"	84'-5½"	27'-2"	54'-4⅛"	24'-11⅞"	49'-11⅞"	27'-3⅞"	109'-3½"	20'-1¼"	40'-2⅝"	24'-7¼"	49'-2½"	20'-11¾"	83'-11"
10	23'-7"	94'-4⅛"	19'-4¼"	38'-8⅝"	20'-4⅜"	40'-8¾"	21'-1¼"	84'-5"	27'-1⅞"	54'-3¾"	24'-11¾"	49'-11½"	27'-3¾"	109'-2⅞"	20'-1⅛"	40'-2⅜"	24'-7⅛"	49'-2¼"	20'-11⅝"	83'-10½"
11	23'-6⅞"	94'-3½"	19'-4⅛"	38'-8⅜"	20'-4¼"	40'-8½"	21'-1⅛"	84'-4½"	27'-1¾"	54'-3⅜"	24'-11⅝"	49'-11¼"	27'-3½"	109'-2¼"	20'-1"	40'-2⅛"	24'-7"	49'-1⅞"	20'-11½"	83'-10"
12	23'-6¾"	94'-3"	19'-4"	38'-8⅛"	20'-4⅛"	40'-8¼"	21'-1"	84'-3⅞"	27'-1½"	54'-3⅛"	24'-11½"	49'-11"	27'-3⅜"	109'-1½"	20'-0⅞"	40'-1⅞"	24'-6¾"	49'-1⅝"	20'-11⅜"	83'-9½"

TOP OF WEB ELEVATIONS

(For Fabrication Only)

Location	Girder 7	Girder 8	Girder 9	Girder10	Girder 11	Girder 12
CL Brg at S. Abut	646.53	646.67	646.79	646.72	646.60	646.45
CL Splice 1	643.72	643.86	643.97	643.91	643.79	643.64
CL Brg at Pier 1	642.56	642.70	642.81	642.75	642.63	642.48
CL Splice 2	641.34	641.48	641.59	641.53	641.41	641.26
CL Splice 3	638.78	638.92	639.04	638.97	638.85	638.70
CL Brg at Pier 2	637.12	637.25	637.37	637.31	637.19	637.03
CL Splice 4	635.73	635.86	635.98	635.91	635.79	635.64
CL Splice 5	632.38	632.52	632.63	632.57	632.45	632.30
CL Brg at Pier 3	631.13	631.27	631.38	631.32	631.20	631.05
CL Splice 6	629.59	629.73	629.85	629.78	629.66	629.51
CL Brg at N. Abut	627.21	627.35	627.46	627.40	627.28	627.13

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CHASTAIN & ASSOCIATES LLC
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184-001397

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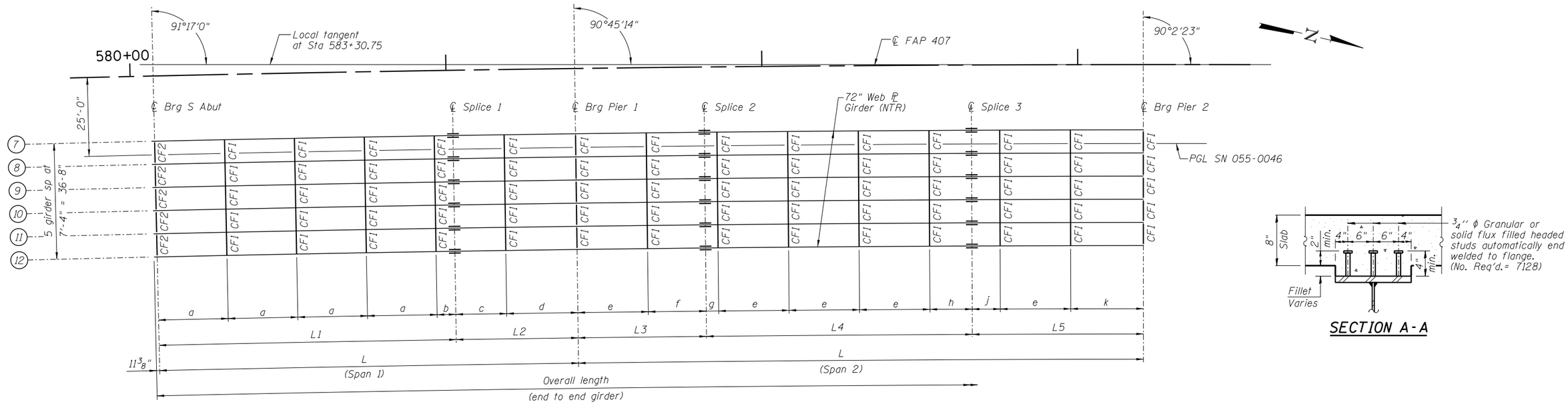
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

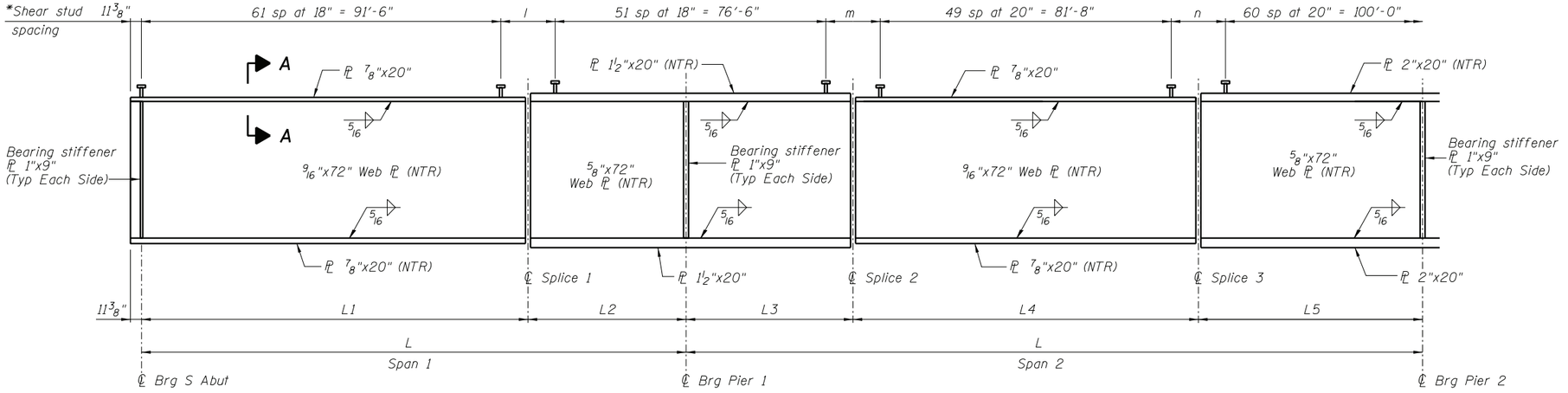
CURVED GIRDER LAYOUT
STRUCTURE NO. 055-0046
SHEET NO. 22 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	382
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



STEEL FRAMING PLAN - SPANS 1 & 2

(SN 055-0046)



GIRDER ELEVATION

"NTR" denotes plates to which notch toughness requirements are applicable.

*Based on plumbed end of girder.

SECTION A-A

NOTES:

Structural steel shall be AASHTO M270 Grade 50W for the girders, cross frames and connection plates and all splice plate material.

All dimensions are measured along the centerline of girder.

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

GIRDER VARIABLES MEASURED ALONG ℄ GIRDER

Girder	Radius	Overall length	L (Span 1)	L (Span 2)	L1	L2	L3	L4	L5	a	b	c	d	e	f	g	h	j	k	l	m	n
7	14419'-4"	647'-10 3/8"	133'-3 1/4"	179'-8 3/4"	94'-5 7/8"	38'-9 3/8"	40'-9 1/2"	84'-6 1/2"	54'-4 3/4"	22'-1 5/8"	5'-11 5/8"	16'-2"	22'-7 3/8"	22'-4 1/2"	18'-5"	3'-11 5/8"	13'-5 1/4"	8'-11 1/4"	23'-1"	4'-6 1/4"	2'-11 5/8"	3'-7 7/8"
8	14412'-0"	647'-6 3/8"	133'-2 3/8"	179'-7 5/8"	94'-5 1/4"	38'-9 1/8"	40'-9 1/4"	84'-6"	54'-4 3/8"	22'-1 3/8"	5'-11 5/8"	16'-1 7/8"	22'-7 1/4"	22'-4 3/8"	18'-4 7/8"	3'-11 1/2"	13'-5 1/4"	8'-11 1/4"	23'-0 3/4"	4'-5 3/8"	2'-11 1/8"	3'-7 1/4"
9	14404'-8"	647'-2 5/8"	133'-1 5/8"	179'-6 5/8"	94'-4 3/4"	38'-8 7/8"	40'-9"	84'-5 1/2"	54'-4 1/8"	22'-1 1/4"	5'-11 1/2"	16'-1 3/4"	22'-7 1/8"	22'-4 1/4"	18'-4 3/4"	3'-11 1/2"	13'-5 1/8"	8'-11 1/8"	23'-0 5/8"	4'-4 5/8"	2'-10 5/8"	3'-6 3/4"
10	14397'-4"	646'-10 1/2"	133'-0 3/4"	179'-5 1/2"	94'-4 1/8"	38'-8 5/8"	40'-8 3/4"	84'-5"	54'-3 3/4"	22'-1 1/8"	5'-11 1/2"	16'-1 5/8"	22'-7"	22'-4 1/8"	18'-4 5/8"	3'-11 1/2"	13'-5"	8'-11 1/8"	23'-0 1/2"	4'-3 3/4"	2'-10 1/8"	3'-6 1/8"
11	14390'-0"	646'-6 3/8"	132'-11 7/8"	179'-4 3/8"	94'-3 1/2"	38'-8 3/8"	40'-8 1/2"	84'-4 1/2"	54'-3 3/8"	22'-1"	5'-11 1/2"	16'-1 1/2"	22'-6 7/8"	22'-4"	18'-4 1/2"	3'-11 1/2"	13'-5"	8'-11"	23'-0 3/8"	4'-2 7/8"	2'-9 5/8"	3'-5 1/2"
12	14382'-8"	646'-2 5/8"	132'-11 1/8"	179'-3 1/4"	94'-3"	38'-8 1/8"	40'-8 1/4"	84'-3 7/8"	54'-3 1/8"	22'-0 7/8"	5'-11 3/8"	16'-1 1/2"	22'-6 5/8"	22'-3 7/8"	18'-4 3/8"	3'-11 1/2"	13'-4 7/8"	8'-11"	23'-0 1/4"	4'-2 1/8"	2'-9 1/8"	3'-5"

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184-001397

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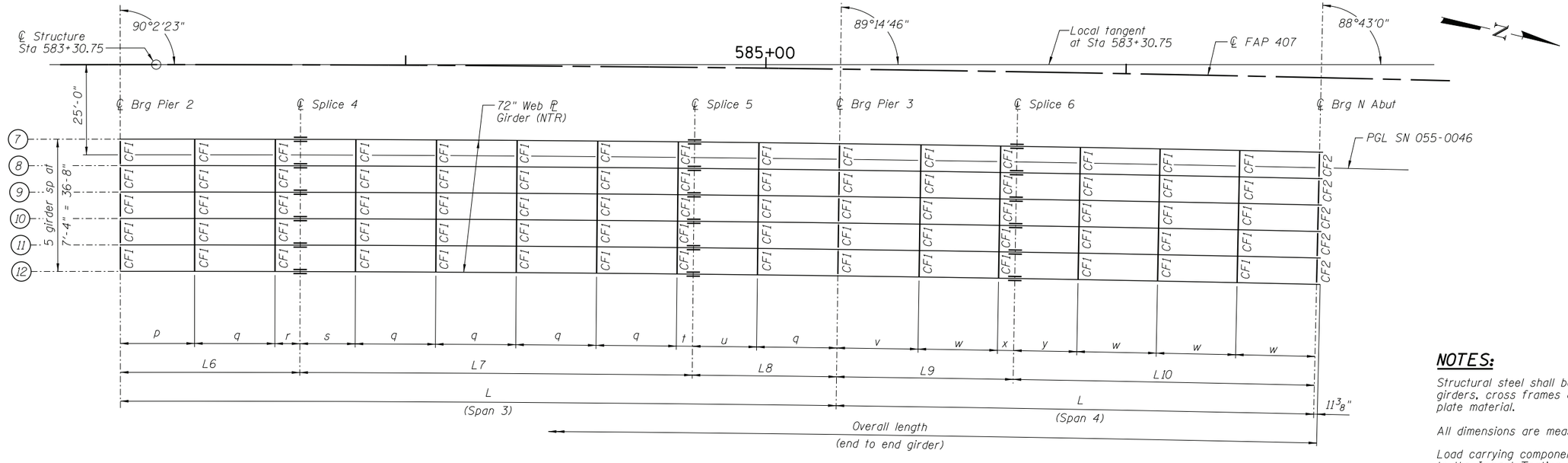
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN – SPANS 1 & 2
STRUCTURE NO. 055-0046
SHEET NO. 23 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	383
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



NOTES:

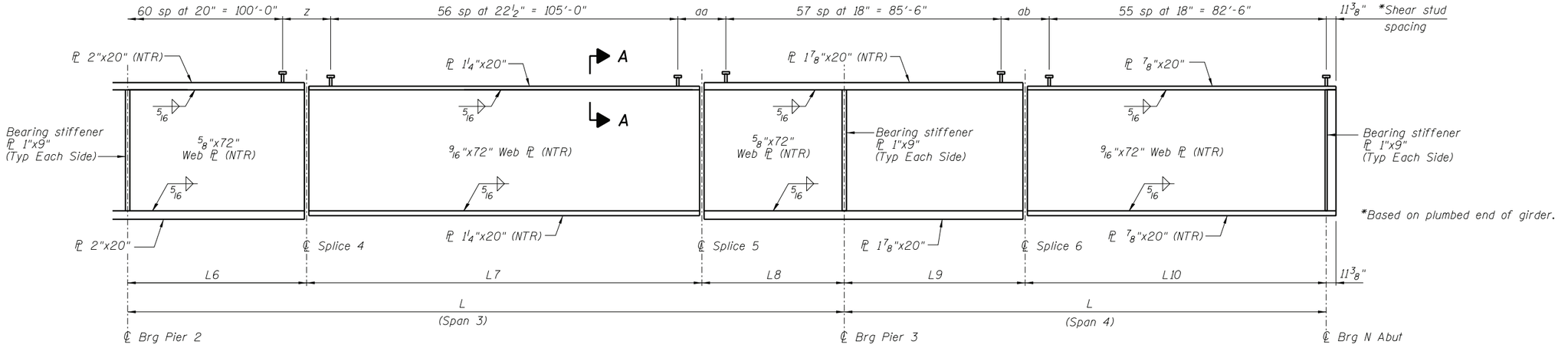
Structural steel shall be AASHTO M270 Grade 50W for the girders, cross frames and connection plates and all splice plate material.

All dimensions are measured along the centerline of girder.

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

STEEL FRAMING PLAN - SPANS 3 & 4

(SN 055-0046)



GIRDER ELEVATION

"NTR" denotes plates to which notch toughness requirements are applicable.

GIRDER VARIABLES MEASURED ALONG ℄ GIRDER

Girder	Radius	Overall length	L (Span 3)	L (Span 4)	L6	L7	L8	L9	L10	p	q	r	s	t	u	v	w	x	y	z	aa	ab
7	14419'-4"	647'-10 3/8"	199'-8 3/8"	133'-3 1/4"	50'-0 1/2"	109'-4 7/8"	40'-3"	49'-3 1/8"	84'-0 1/8"	20'-8"	22'-4 1/2"	6'-11 7/8"	15'-4 5/8"	4'-6"	17'-10 1/2"	22'-7 3/8"	22'-1 5/8"	4'-6 1/8"	17'-7 3/8"	4'-5"	4'-2 1/2"	3'-6 1/8"
8	14412'-0"	647'-6 3/8"	199'-7 1/4"	133'-2 3/8"	50'-0 1/8"	109'-4 1/4"	40'-2 7/8"	49'-2 7/8"	83'-11 1/2"	20'-7 7/8"	22'-4 3/8"	6'-11 7/8"	15'-4 5/8"	4'-6"	17'-10 3/8"	22'-7 1/4"	22'-1 3/8"	4'-6 1/8"	17'-7 1/4"	4'-4 3/8"	4'-2"	3'-5 3/8"
9	14404'-8"	647'-2 5/8"	199'-6"	133'-1 5/8"	49'-11 7/8"	109'-3 1/2"	40'-2 5/8"	49'-2 1/2"	83'-11"	20'-7 3/4"	22'-4 1/4"	6'-11 3/4"	15'-4 1/2"	4'-6"	17'-10 1/4"	22'-7 1/8"	22'-1 1/4"	4'-6 1/8"	17'-7 1/8"	4'-3 3/4"	4'-1 1/4"	3'-4 1/2"
10	14397'-4"	646'-10 1/2"	199'-4 3/4"	133'-0 3/4"	49'-11 1/2"	109'-2 7/8"	40'-2 3/8"	49'-2 1/4"	83'-10 1/2"	20'-7 5/8"	22'-4 1/8"	6'-11 3/4"	15'-4 3/8"	4-6"	17'-10 1/4"	22'-7"	22'-1 1/8"	4'-6 1/8"	17'-7"	4'-3"	4'-0 3/4"	3'-3 7/8"
11	14390'-0"	646'-6 3/8"	199'-3 1/2"	132'-11 7/8"	49'-11 1/4"	109'-2 1/4"	40'-2 1/8"	49'-1 7/8"	83'-10"	20'-7 1/2"	22'-4"	6'-11 3/4"	15'-4 1/4"	4'-5 7/8"	17'-10 1/8"	22'-6 7/8"	22'-1"	4'-6"	17'-7"	4'-2 3/8"	4'-0 1/8"	3'-3"
12	14382'-8"	646'-2 5/8"	199'-2 3/8"	132'-11 1/8"	49'-11"	109'-1 1/2"	40'-1 7/8"	49'-1 5/8"	83'-9 1/2"	20'-7 3/8"	22'-3 7/8"	6'-11 5/8"	15'-4 1/4"	4'-5 7/8"	17'-10"	22'-6 5/8"	22'-0 7/8"	4'-6"	17'-6 7/8"	4'-1 7/8"	3'-11 1/2"	3'-2 1/4"

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184-001397

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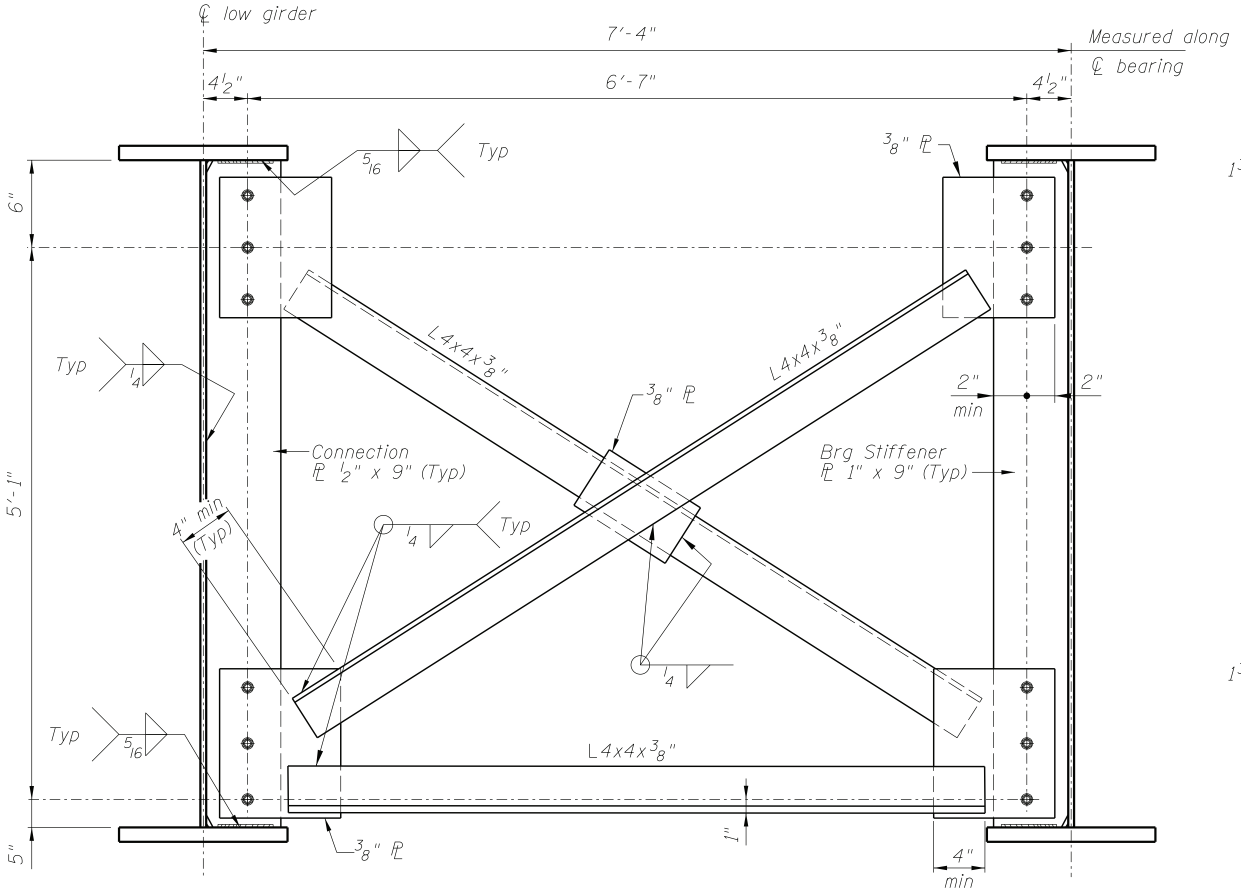
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

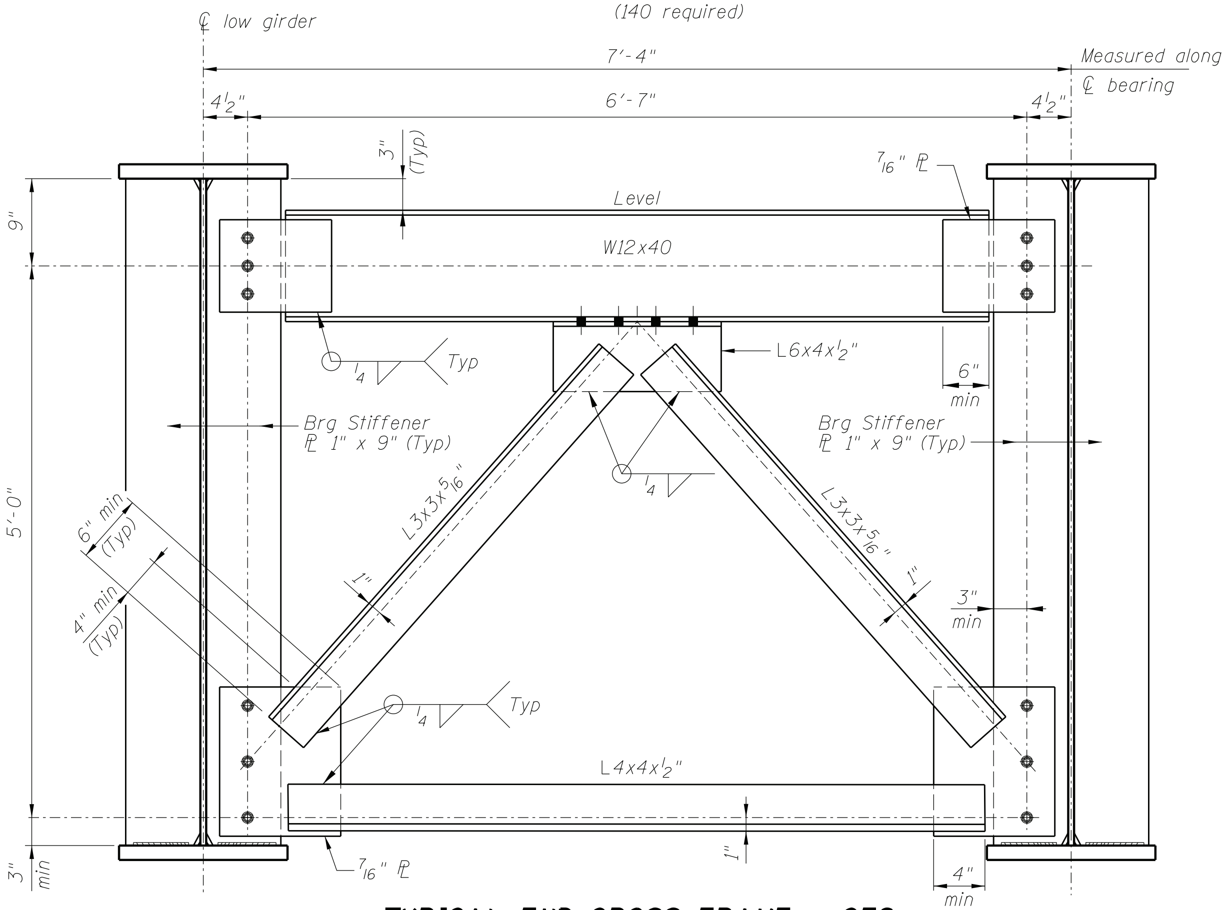
FRAMING PLAN – SPANS 3 & 4
STRUCTURE NO. 055-0046
SHEET NO. 24 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6½B,B-1,B-2)]	MCDONOUGH	874	384
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



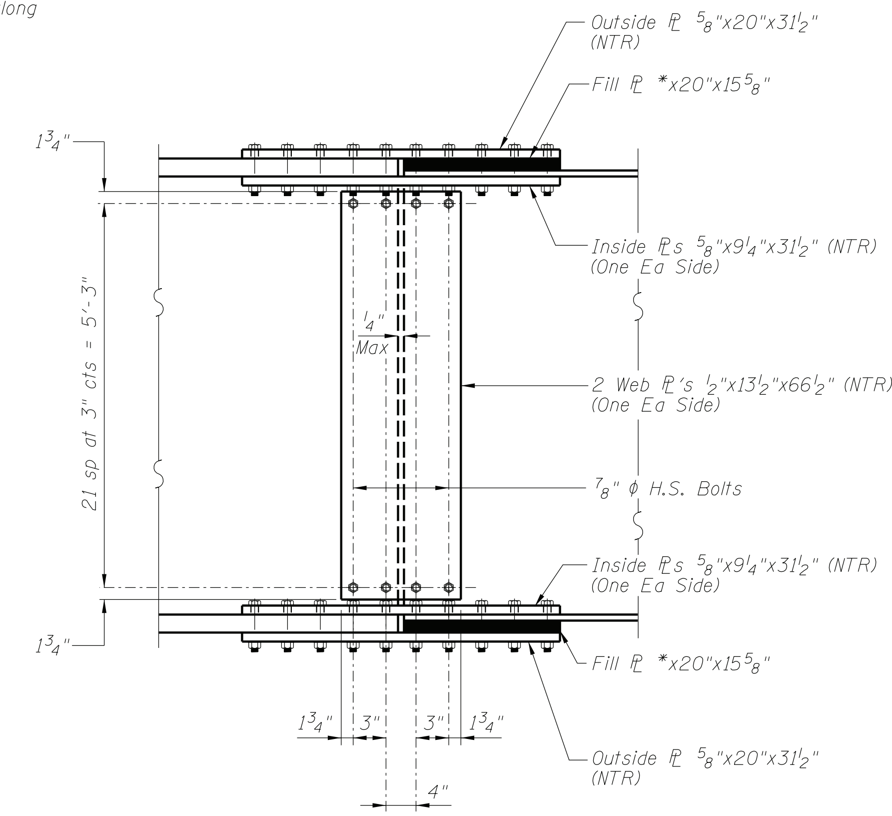
TYPICAL INTERIOR CROSS FRAME - CF1

(140 required)

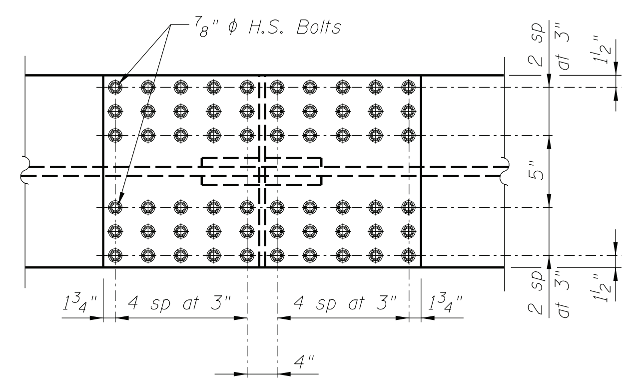


TYPICAL END CROSS FRAME - CF2

(10 required)

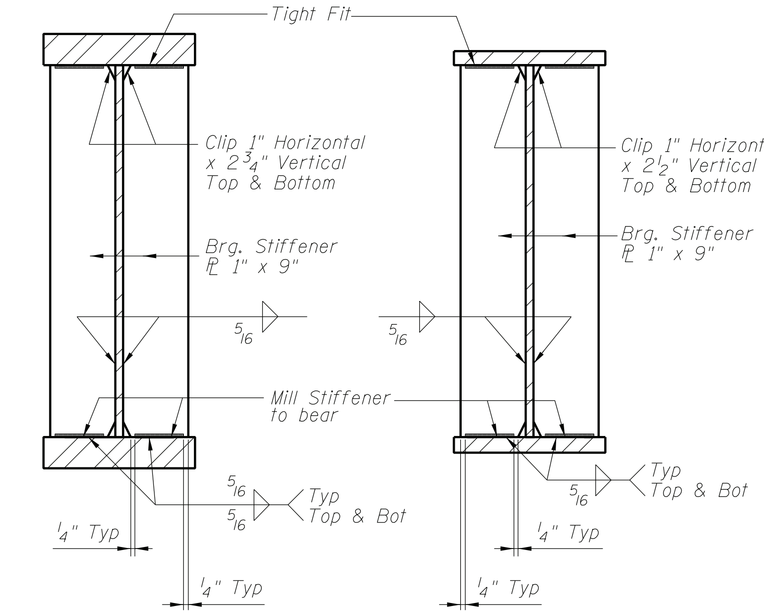


WEB FLANGE SPLICE PLATE



TOP & BOTTOM FLANGE SPLICE PLATE

FIELD SPLICE DETAIL



SECTION AT PIER

SECTION AT ABUTMENT

*FILL PL's

Splice No.	Fill PL's
1	5/8"
2	5/8"
3	1 1/8"
4	3/4"
5	5/8"
6	1"

NOTES:

All bolts for cross frames shall be 3/4" ϕ A325 H.S. bolts with 15/16" ϕ holes.

Two (2) hardened washers shall be required for each set of oversized holes.

All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING DETAILS
STRUCTURE NO. 055-0046

SHEET NO. 25 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV);HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	385
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			

INTERIOR GIRDER MOMENT TABLE (SN 055-0046)								
		0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	0.6 Sp. 4
I_s	(in^4)	63967	100485	63967	128987	84572	121790	63967
$I_c(n)$	(in^4)	130950	-	130950	-	159002	-	130950
$I_c(3n)$	(in^4)	97687	-	97687	-	120418	-	97687
$I_c(cr)$	(in^4)	-	112808	-	141736	-	133700	-
S_s	(in^3)	1734.5	2679.6	1734.5	3394.4	2270.4	3215.2	1734.5
$S_c(n)$	(in^3)	2255.4	-	2255.4	-	2803.3	-	2255.4
$S_c(3n)$	(in^3)	2054.0	-	2054.0	-	2581.9	-	2054.0
$S_c(cr)$	(in^3)	-	2801.2	-	3510.0	-	3332.4	-
DC1	(k/')	1.06	1.16	1.06	1.22	1.11	1.21	1.06
M_{DC1}	('k)	1170	2751	1090	4025	1871	3532	901
DC2	(k/')	0.15	0.15	0.15	0.15	0.15	0.15	0.15
M_{DC2}	('k)	169	376	156	522	252	467	133
DW	(k/')	0.33	0.33	0.33	0.33	0.33	0.33	0.33
M_{DW}	('k)	375	836	346	1161	561	1038	295
M_{L+IM}	('k)	2077	2598	2125	3087	2420	2873	2066
M_u (Strength I)	('k)	5871	9709	5795	12828	7730	11584	5351
$\phi_f M_n$	('k)	11548	-	11595	-	14341	-	11700
f_s DC1	(ksi)	8.1	12.3	7.5	14.2	9.9	13.2	6.2
f_s DC2	(ksi)	1.0	1.6	0.9	1.8	1.2	1.7	0.8
f_s DW	(ksi)	2.2	3.6	2.0	4.0	2.6	3.7	1.7
f_s (L+IM)	(ksi)	11.1	11.1	11.3	10.6	10.4	10.3	11.0
f_s (Service II)	(ksi)	25.6	32.0	25.2	33.7	27.1	32.1	23.0
$0.95R_hF_{yf}$	(ksi)	47.5	47.5	47.5	47.5	47.5	47.5	47.5
f_s (Total)(Strength I)	(ksi)	-	42.3	-	44.4	-	42.3	-
$\phi_f F_n$	(ksi)	-	50.0	-	50.0	-	50.0	-
Vr	(k)	21.7	31.4	23.4	33.0	22.6	34.9	21.8

INTERIOR GIRDER REACTION TABLE HL93 Loading						
		S. Abut.	Pier 1	Pier 2	Pier 3	N. Abut.
R_{DC1}	(k)	51.1	187.4	229.9	215.8	46.0
R_{DC2}	(k)	7.2	25.5	29.5	28.2	6.5
R_{DW}	(k)	15.9	56.6	65.6	62.6	14.4
R_{L+IM}	(k)	98.0	203.6	216.0	211.0	97.6
R_{Total}	(k)	172.2	473.1	541.0	517.6	164.5

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.^{4} and in.^{3}).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.^{4} and in.^{3}).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.^{4} and in.^{3}).

$I_c(cr)$, $S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.^{4} and in.^{3}).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_{nc}

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
$M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
$M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.

f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
$M_{L+IM} / S_c(n)$ or M_{L+IM} / S (cr) as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3\ f_s(L+IM)$

$0.95R_hF_yf$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (f_{sDC1} + f_{sDC2}) + 1.5\ f_{sDW} + 1.75\ f_s(L+IM)$

$\phi_f F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

Vr: Maximum factored shear range in span computed according to Article 6.10.10.

Note:
M_{L+IM} and R_{L+IM} include the effects of centrifugal force and superelevation.

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184-001397

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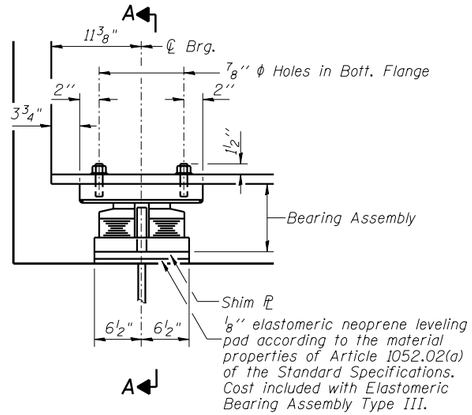
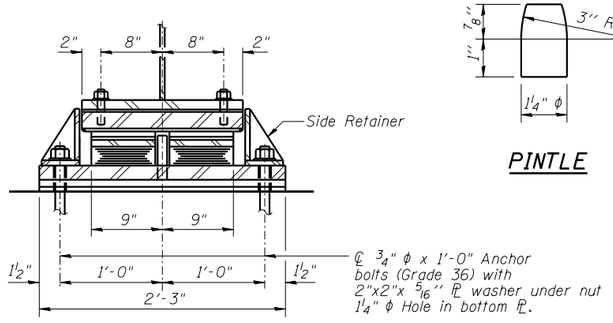
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERIOR GIRDER MOMENT TABLES
STRUCTURE NO. 055-0046
SHEET NO. 26 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV+HB(2-6)+B,B-1,B-2))	MCDONOUGH	874	386
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS	FED. AID PROJECT	



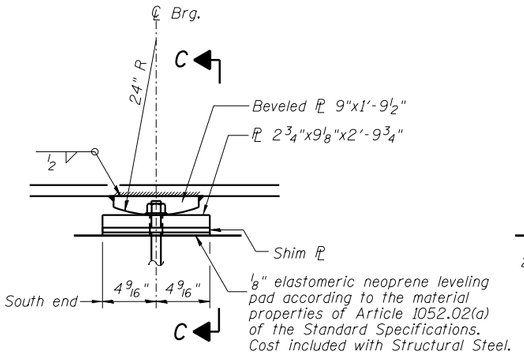
ELEVATION AT ABUTMENTS



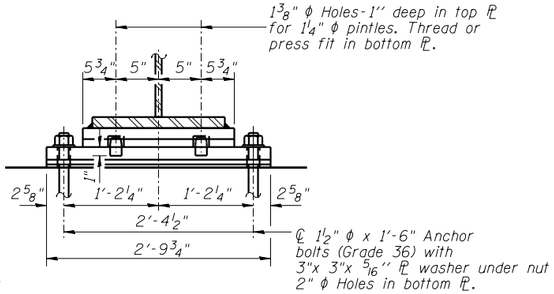
SECTION A-A

PINTLE

TYPE III ELASTOMERIC EXP. BRG.

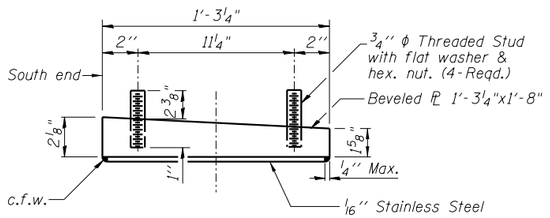


ELEVATION

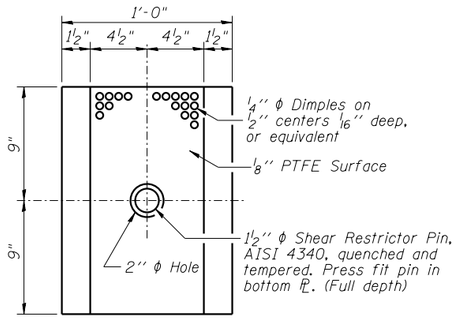


SECTION C-C

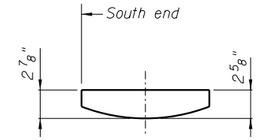
FIXED BEARING AT PIERS



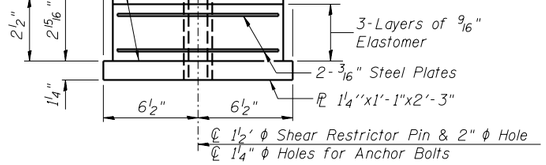
TOP BEARING ASSEMBLY



PLAN-PTFE ELASTOMERIC BRG.

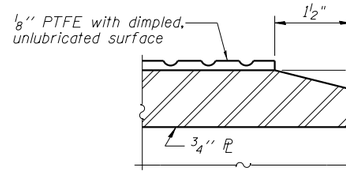


BEVELED TOP PLATE FOR PIERS

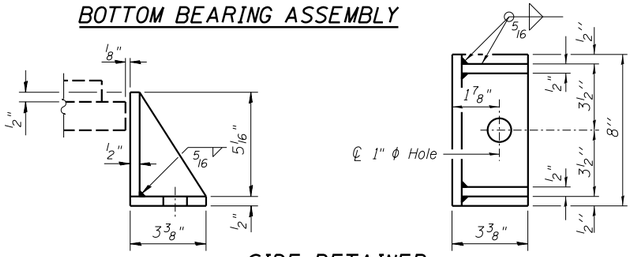


*1/8" PTFE dimpled, unlubricated

BOTTOM BEARING ASSEMBLY

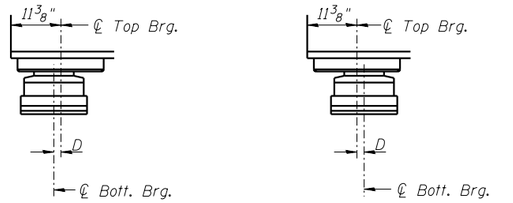


SECTION THRU PTFE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



BELOW 50° F. (Move bottom brg. away from fixed brg.)

ABOVE 50° F. (Move bottom brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type III bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type III.

The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

The structural steel plates and pintles of the Bearing Assembly shall conform to the requirements AASHTO M 270 Grade 50.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates, side retainers, anchor bolts, nuts, adjusting shims, washers and pintles under the expansion joints shall be galvanized according to AASHTO M111 or M232 as applicable.

H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type III	Each	12
Anchor Bolts, 3/4"	Each	24
Anchor Bolts, 1 1/2"	Each	36

FILE NAME = I:\IDOT\5686, HEI.IL336\CADD\Structural\East Fork Lamoine River\NORTHBOUND\NB0845type2brg.dgn

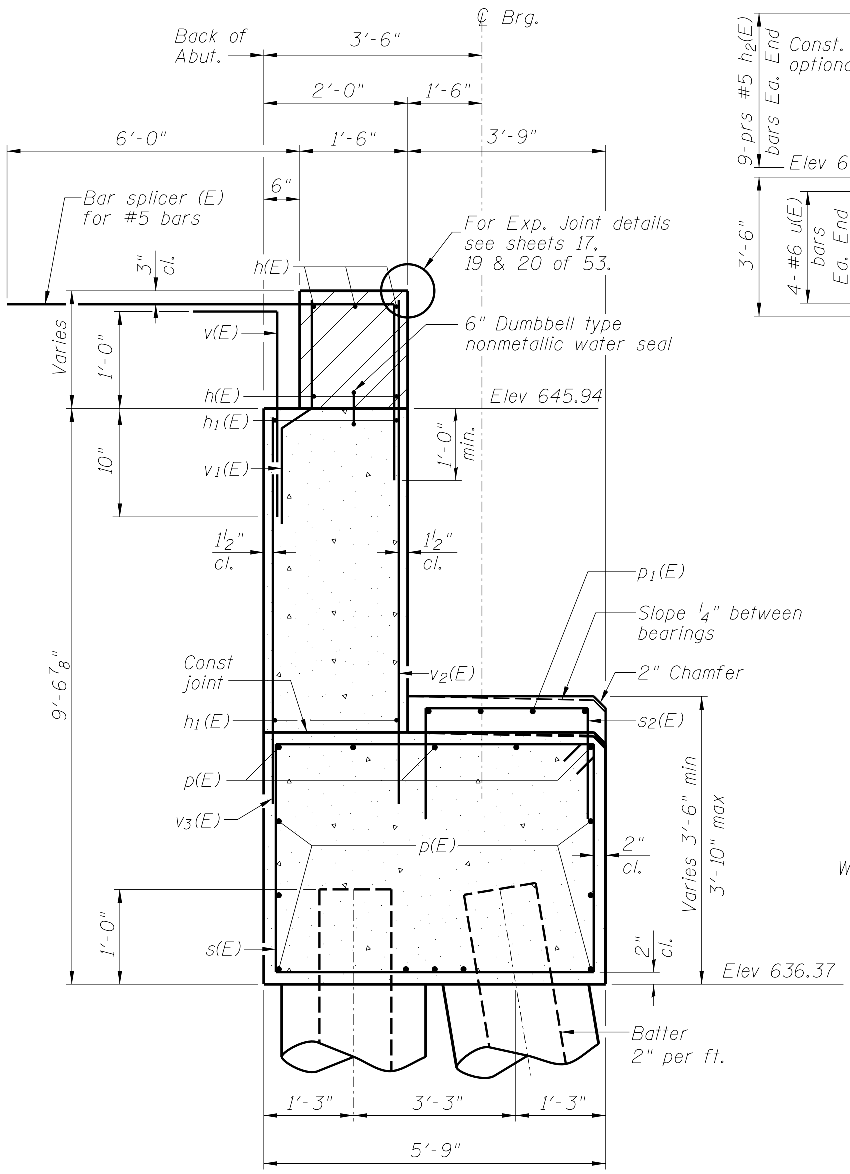
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -	
PLOT TIME = 8:53:30 AM	CHECKED - ACB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	DRAWN - RLK	REVISED -	
PLOT DATE = 1/27/2015	CHECKED - JMB	REVISED -	

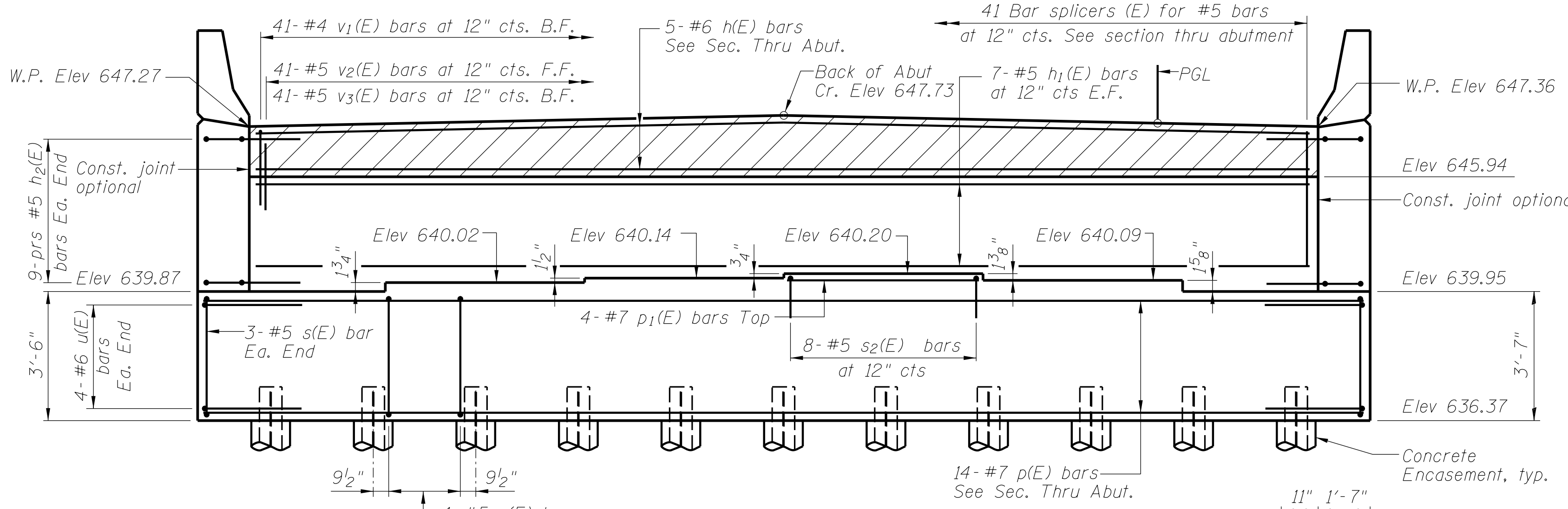
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 27 OF 53 SHEETS

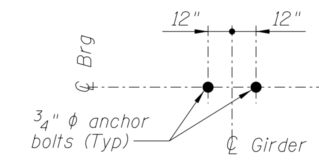
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	387
	SN 055-0046	CONTRACT NO. 68844		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



SECTION THRU ABUTMENT



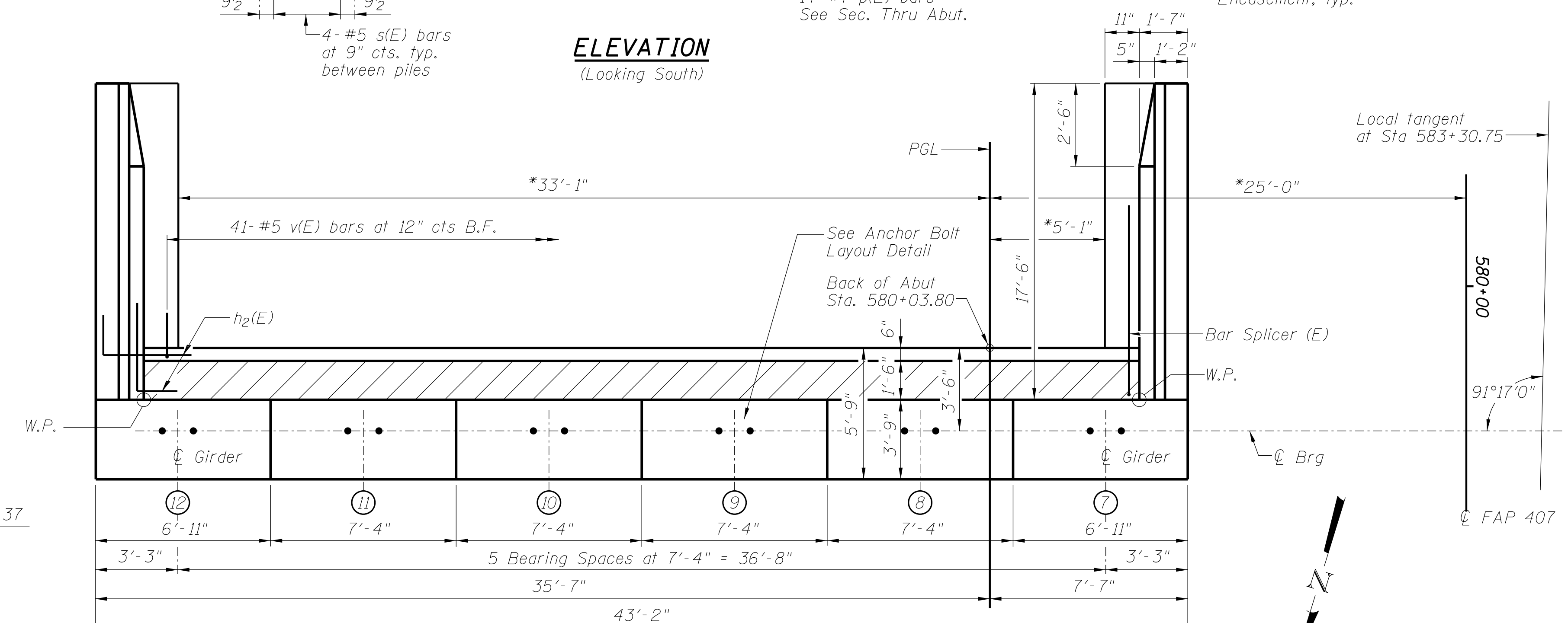
ELEVATION
(Looking South)



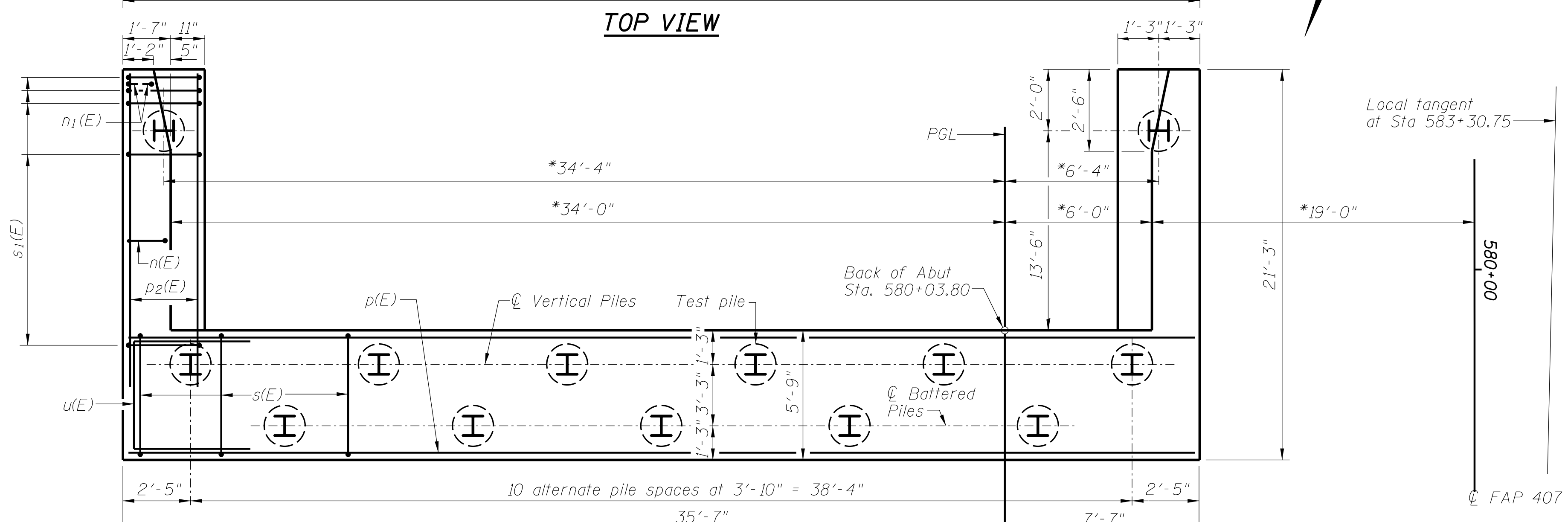
ANCHOR BOLT LAYOUT DETAIL

PILE DATA

Type: Steel HP12x53 with pile shoes
Nominal Required Bearing: 401 k
Factored Resistance Available: 220 k
Est. Length: 72
No. Req'd: 12
Test Pile: 1



TOP VIEW



PLAN-PILE CAP

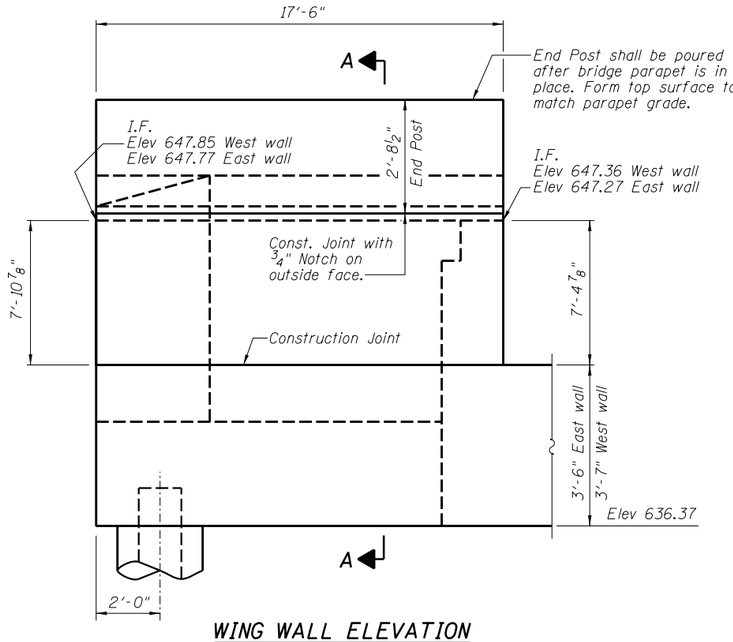
Notes:
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure on sheet 14 of 53.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
B.F.= Back Face, F.F.= Front Face, E.F.= Each Face
For details of piles and Concrete Encasement, see sheet 35 of 53.
For details of Bar Splicers, see sheet 36 of 53
*Dimensions are along ℄ bearing.

FILE NAME = I:\IDOT\5606. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\NB0046sabut.dgn

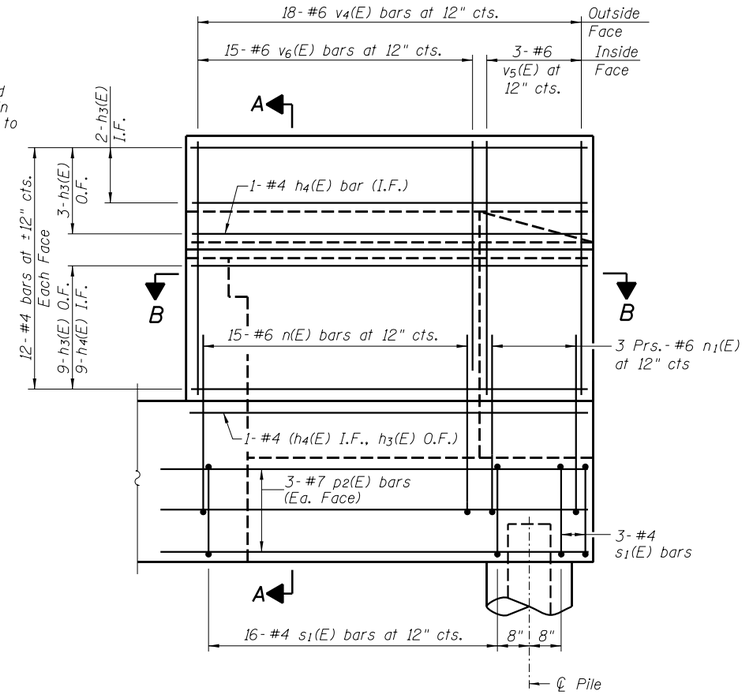
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH ABUTMENT STRUCTURE NO. 055-0046
PLOT TIME = 10:01:20 AM	CHECKED - ACB	REVISED -		
PLOT SCALE = 8.0000 '/ in.	DRAWN - RLK	REVISED -		
PLOT DATE = 4/21/2015	CHECKED - JMB	REVISED -		SHEET NO. 28 OF 53 SHEETS

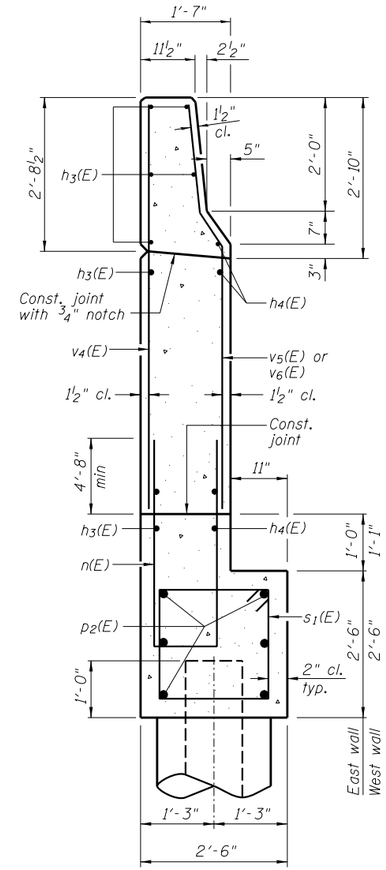
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV);HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	388
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			



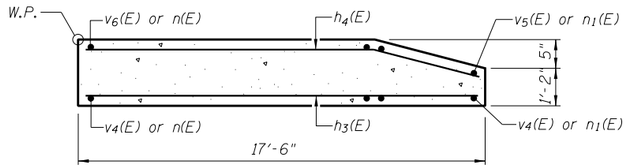
WING WALL ELEVATION
Showing Dimensions



WING WALL ELEVATION
Showing Reinforcement



SECTION A-A



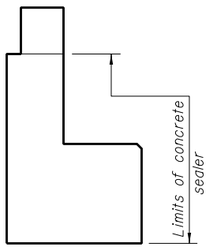
SECTION B-B

ABUTMENT BILL OF MATERIAL

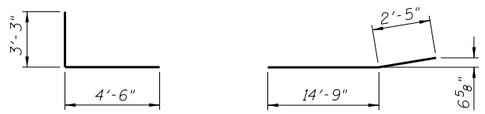
Bar	No.	Size	Length	Shape
h(E)	5	#6	39'-8"	
h1(E)	14	#5	39'-8"	
h2(E)	36	#5	7'-9"	
h3(E)	30	#4	17'-2"	
h4(E)	22	#4	17'-2"	
n(E)	30	#6	15'-2"	
n1(E)	12	#6	7'-7"	
p(E)	14	#7	42'-10"	
p1(E)	4	#7	7'-0"	
p2(E)	12	#7	17'-2"	
s(E)	46	#5	18'-1"	
s1(E)	38	#4	9'-5"	
s2(E)	8	#5	7'-3"	
u(E)	8	#6	13'-0"	
v(E)	41	#5	3'-9"	
v1(E)	41	#4	2'-10"	
v2(E)	41	#5	9'-0"	
v3(E)	41	#5	7'-9"	
v4(E)	36	#6	9'-9"	
v5(E)	6	#6	10'-5"	
v6(E)	30	#6	10'-0"	
Structure Excavation		Cu. Yd.	86	
Concrete Structures		Cu. Yd.	75.6	
Reinforcement Bars, Epoxy Coated		Pound	7640	
Furnishing Steel Piles HP12x53		Foot	864	
Driving Piles		Foot	864	
Test Pile Steel HP12x53		Each	1	
Concrete Encasement		Cu. Yd.	4.6	
Concrete Sealer		Sq. Ft.	575	
Bar Splicers		Each	41	
Pile Shoes		Each	13	

MIN BAR LAP
#6 bar = 3'-10"

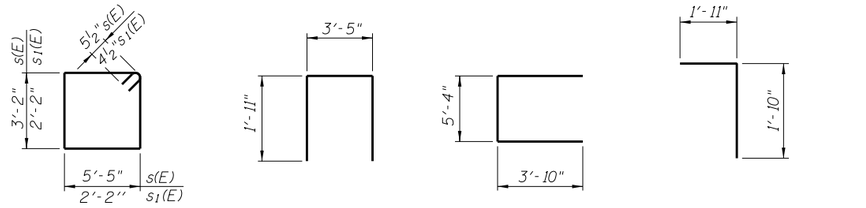
Notes:
Quantity of concrete in end post included with Concrete Superstructure on sheet 16 of 53.
I.F. = Inside Face O.F. = Outside Face



CONCRETE SEALER LIMITS



BAR h2(E) BAR h4(E) BAR n(E) BAR n1(E)



BARS s(E) & s1(E) BAR s2(E) BAR u(E) BAR v(E) BAR v1(E) BAR v5(E) BAR v6(E)

FILE NAME = I:\IDOT\5686_HEI_IL336\CADD_Structural\East Fork Lamoine River\NBRTHBOUND\NB0846sabut.dgn

CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS 184-001397			
USER NAME = abenz	DESIGNED - JMB	REVISED -	
PLOT TIME = 10:01:29 AM	CHECKED - ACB	REVISED -	
PLOT SCALE = 8.0000 ' / in.	DRAWN - RLK	REVISED -	
PLOT DATE = 4/21/2015	CHECKED - JMB	REVISED -	

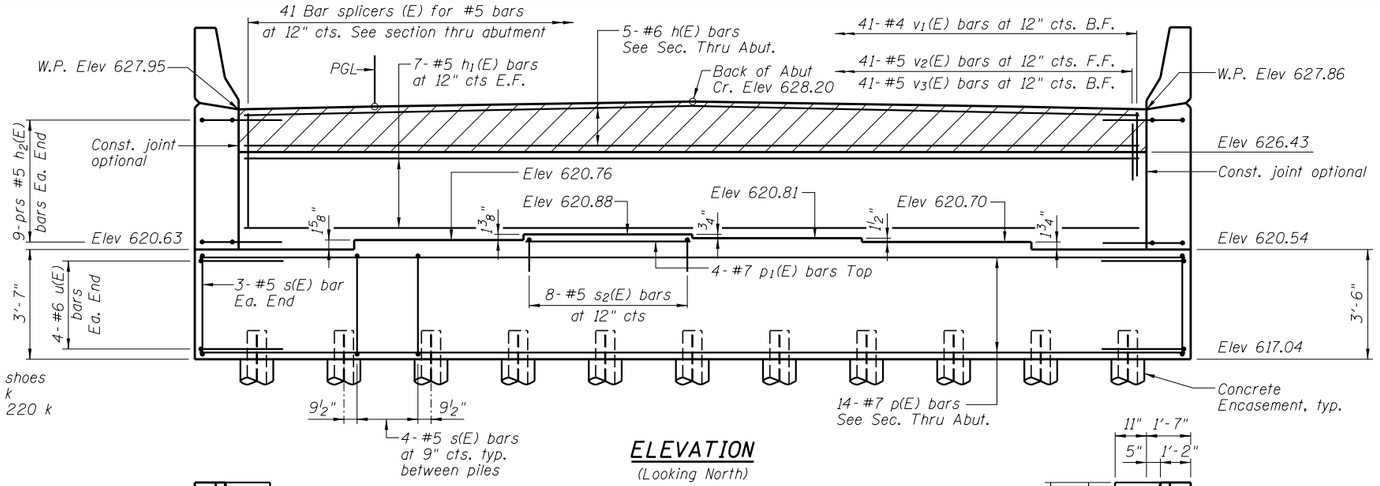
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
STRUCTURE NO. 055-0046
SHEET NO. 29 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	389
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

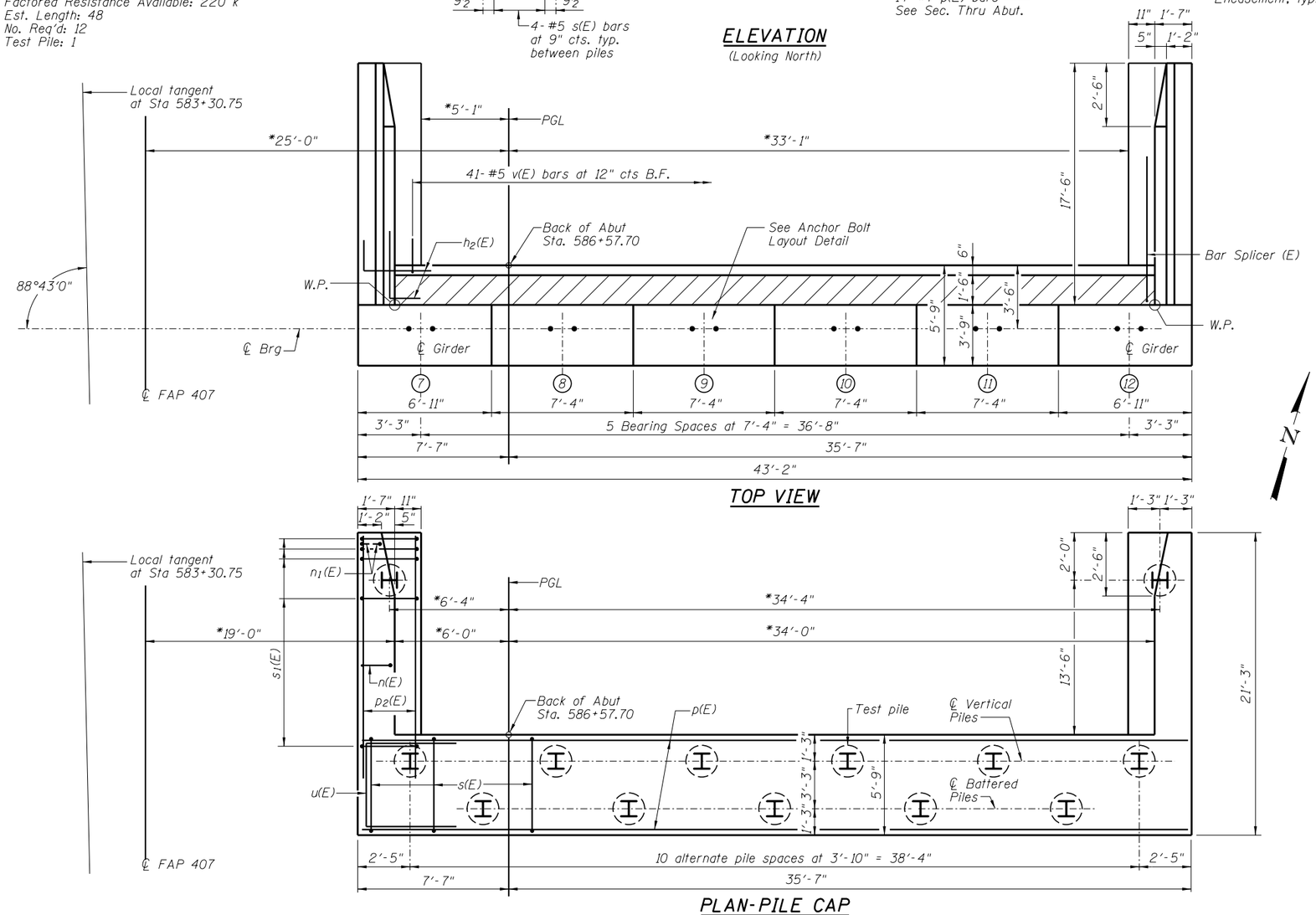
PILE DATA

Type: Steel HP12x53 with pile shoes
Nominal Required Bearing: 401 k
Factored Resistance Available: 220 k
Est. Length: 48
No. Req'd: 12
Test Pile: 1



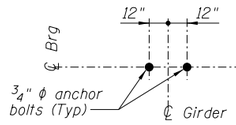
ELEVATION

(Looking North)

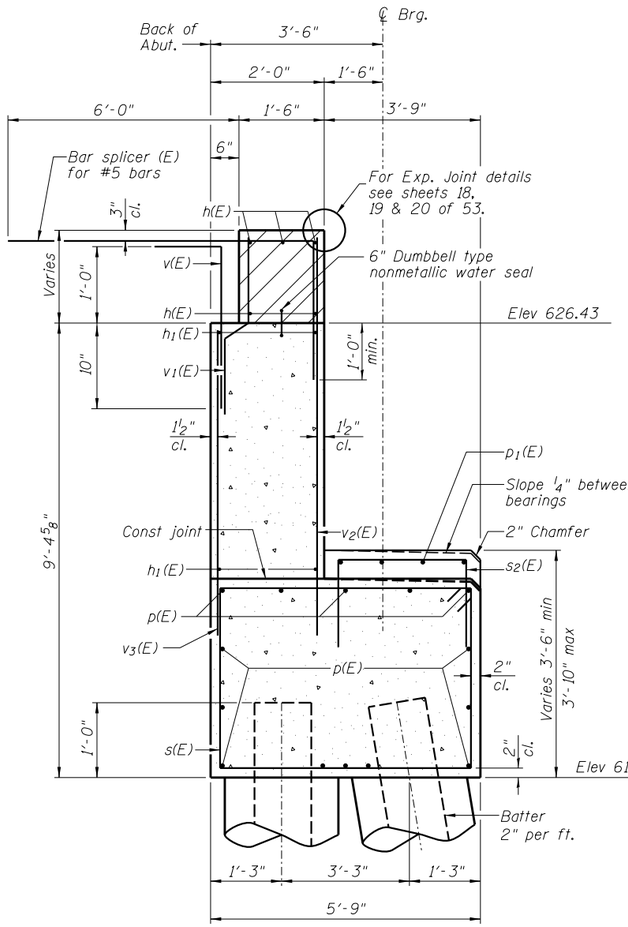


TOP VIEW

PLAN-PILE CAP



ANCHOR BOLT LAYOUT DETAIL



SECTION THRU ABUTMENT

Notes:
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure on sheet 14 of 53.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
B.F.= Back Face, F.F.= Front Face, E.F.= Each Face
For details of piles and Concrete Encasement, see sheet 35 of 53.
For details of Bar Splicers, see sheet 36 of 53
*Dimensions are along ℄ bearing.

FILE NAME = I:\IDOT\56686_HEI\IL336\CADD_Structural\East Fork Lamoine River\NGRTHBOUND\NB0046nabut.dgn

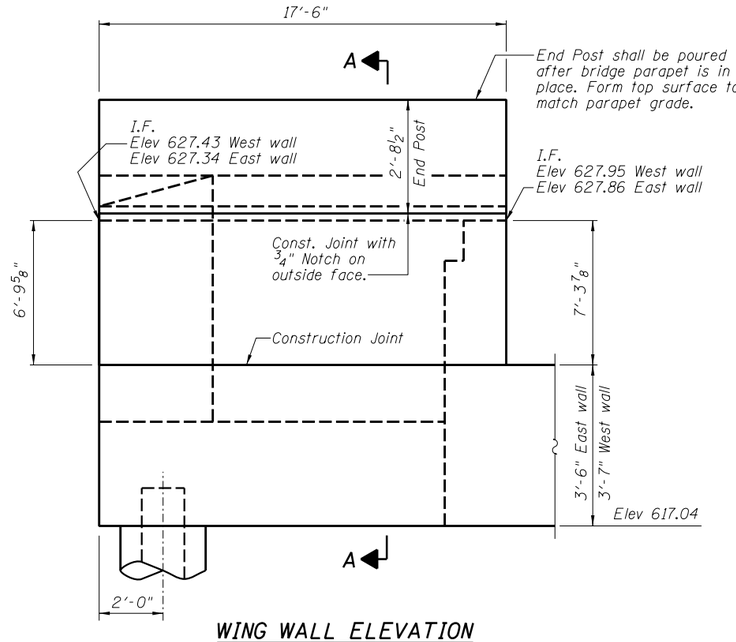
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 10:02:21 AM	CHECKED - ACB	REVISED -
PLOT SCALE = 8.0000 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 4/21/2015	CHECKED - JMB	REVISED -

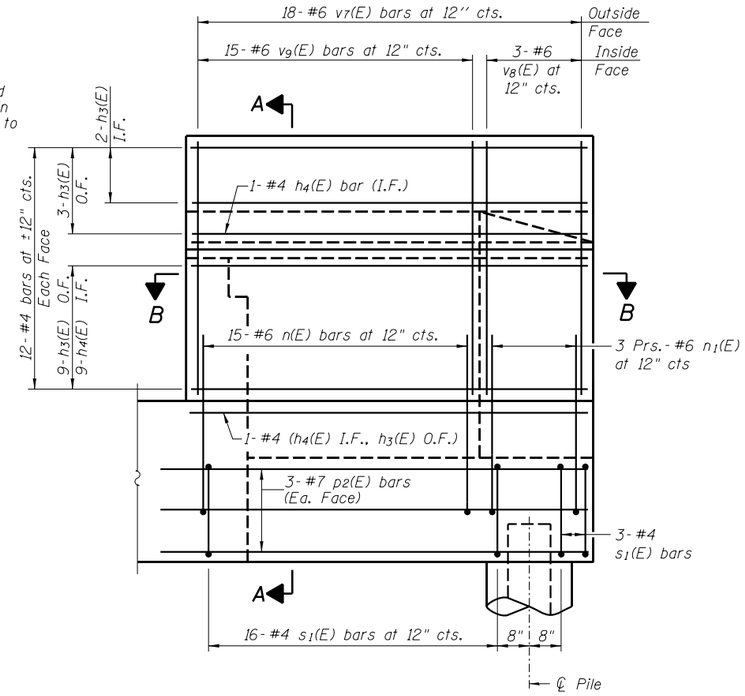
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 055-0046
SHEET NO. 30 OF 53 SHEETS

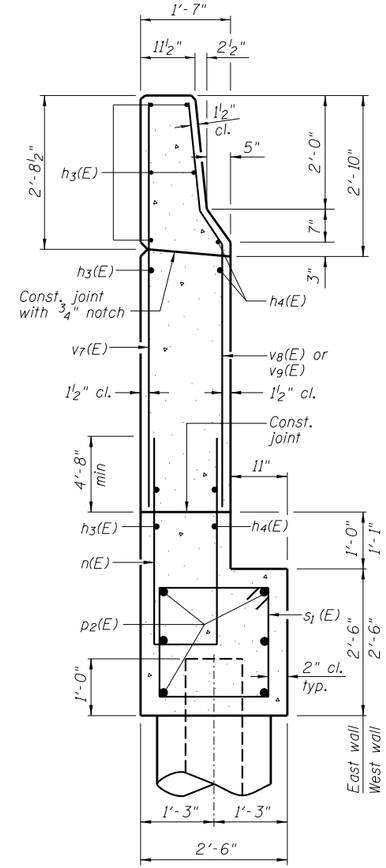
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2)]	MCDONOUGH	874	390
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



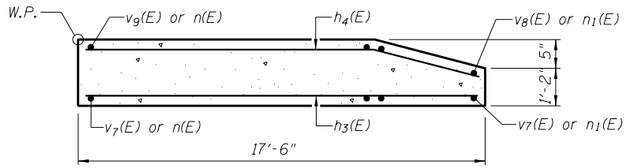
WING WALL ELEVATION
Showing Dimensions



WING WALL ELEVATION
Showing Reinforcement



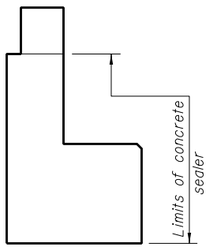
SECTION A-A



SECTION B-B

ABUTMENT BILL OF MATERIAL

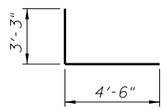
Bar	No.	Size	Length	Shape
h(E)	5	#6	39'-8"	
h1(E)	14	#5	39'-8"	
h2(E)	36	#5	7'-9"	
h3(E)	30	#4	17'-2"	
h4(E)	22	#4	17'-2"	
n(E)	30	#6	15'-2"	
n1(E)	12	#6	7'-7"	
p(E)	14	#7	42'-10"	
p1(E)	4	#7	7'-0"	
p2(E)	12	#7	17'-2"	
s(E)	46	#5	18'-1"	
s1(E)	38	#4	9'-5"	
s2(E)	8	#5	7'-3"	
u(E)	8	#6	13'-0"	
v(E)	41	#5	3'-9"	
v1(E)	41	#4	2'-10"	
v2(E)	41	#5	9'-0"	
v3(E)	41	#5	7'-9"	
v7(E)	36	#6	9'-3"	
v8(E)	6	#6	9'-3"	
v9(E)	30	#6	9'-5"	
Structure Excavation		Cu. Yd.	86	
Concrete Structures		Cu. Yd.	74.0	
Reinforcement Bars, Epoxy Coated		Pound	7570	
Furnishing Steel Piles HP12x53		Foot	576	
Driving Piles		Foot	576	
Test Pile Steel HP12x53		Each	1	
Concrete Encasement		Cu. Yd.	4.6	
Concrete Sealer		Sq. Ft.	568	
Bar Splicers		Each	41	
Pile Shoes		Each	13	



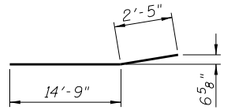
CONCRETE SEALER LIMITS

MIN BAR LAP
#6 bar = 3'-10"

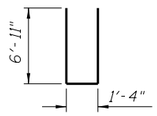
Notes:
Quantity of concrete in end post included with Concrete Superstructure on sheet 16 of 53.
I.F. = Inside Face O.F. = Outside Face



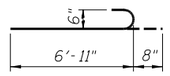
BAR h2(E)



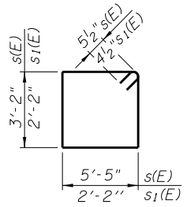
BAR h4(E)



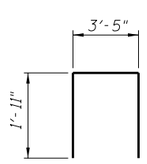
BAR n(E)



BAR n1(E)



BARS s(E) & s1(E)



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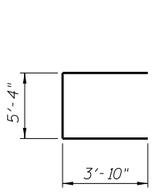
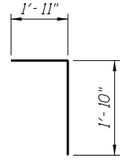


BAR u(E)



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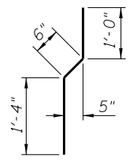

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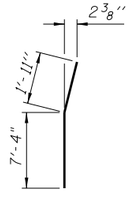

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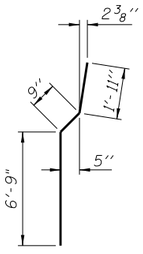

BAR v9(E)

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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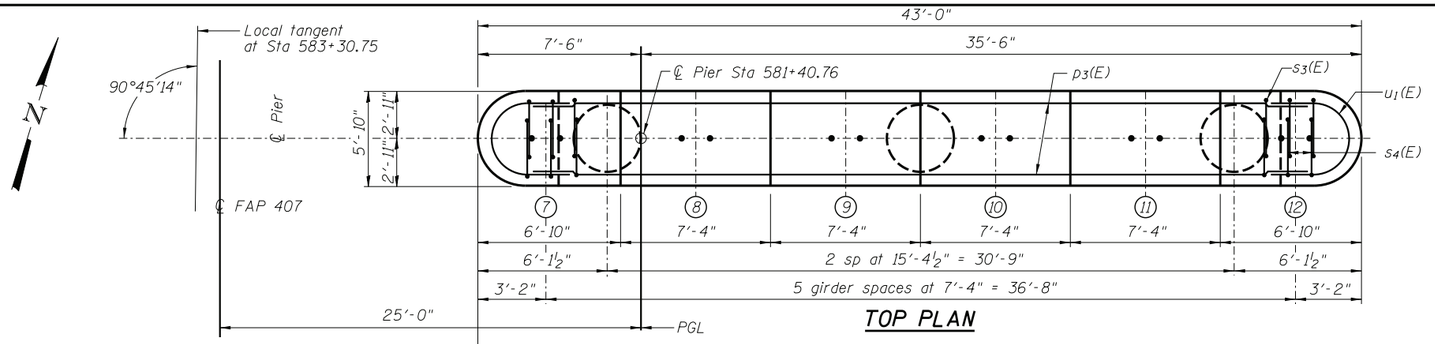
PLOT DATE = 4/21/2015	CHECKED - JMB	REVISED -

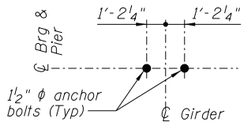
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 055-0046
SHEET NO. 31 OF 53 SHEETS

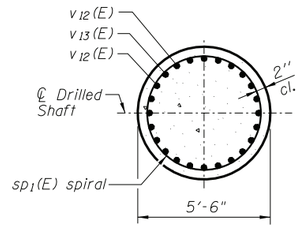
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6),B,B-1,B-2))	MCDONOUGH	874	391
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



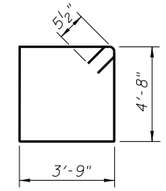
TOP PLAN



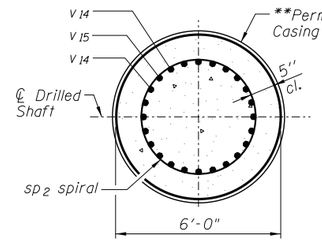
ANCHOR BOLT LAYOUT DETAIL



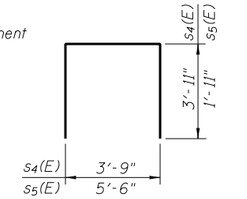
SECTION A-A



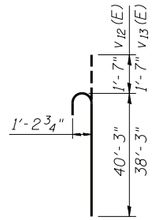
BAR s3(E)



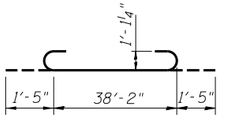
SECTION B-B



BARS s4(E) & s5(E)



BAR v12(E) & v13(E)



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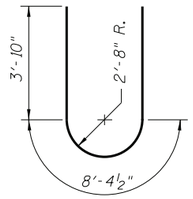
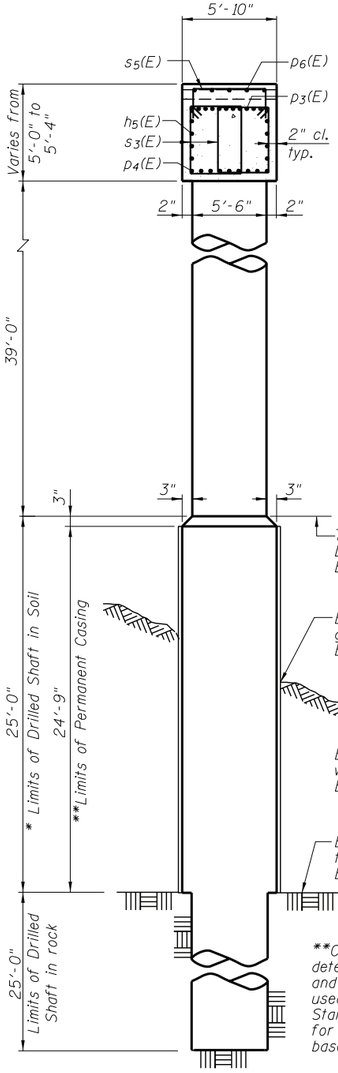
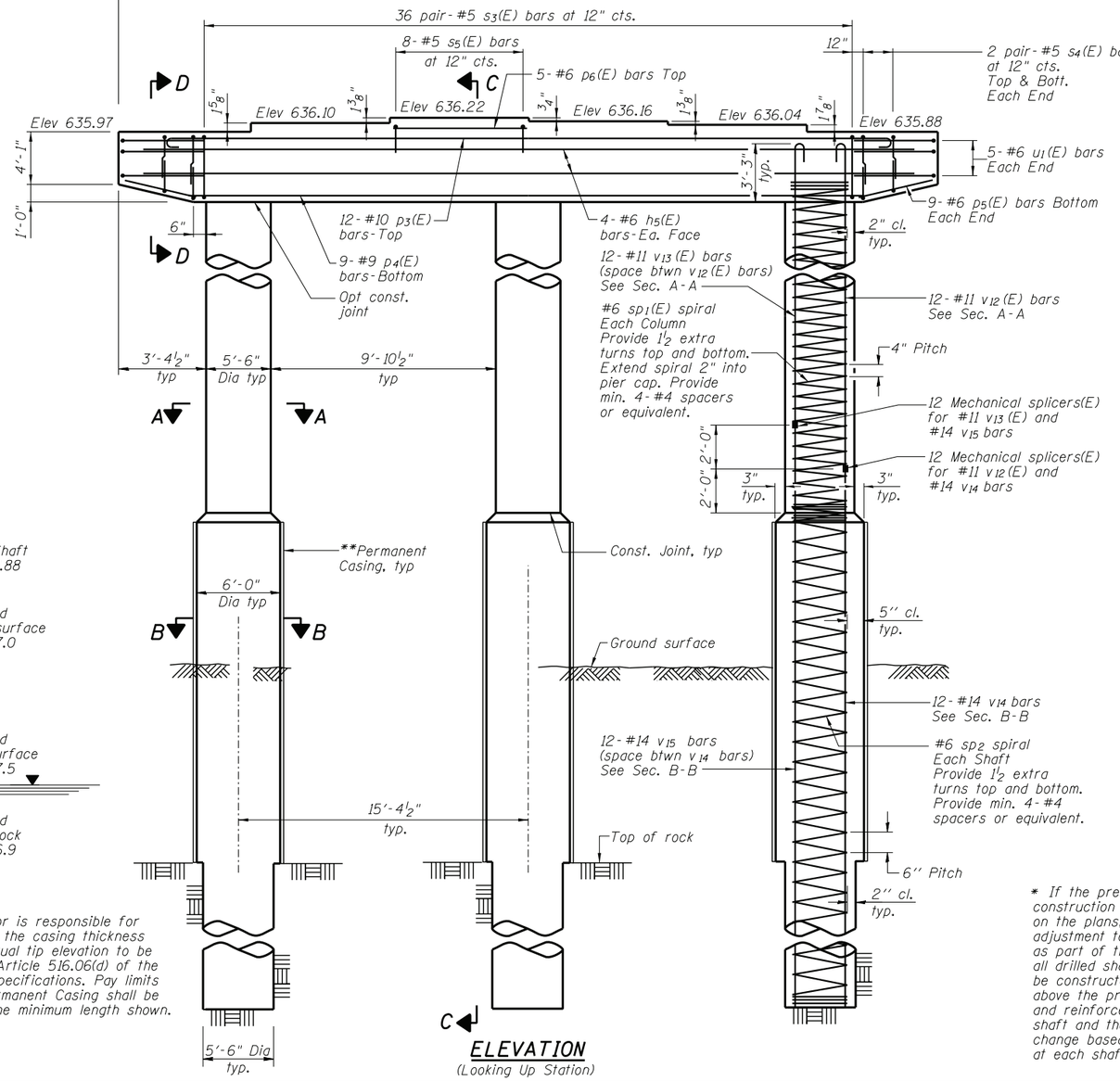


BAR u1(E)



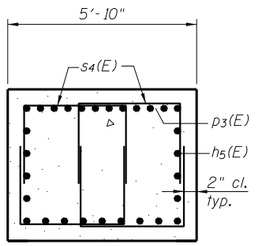
SECTION C-C

**Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06(d) of the Standard Specifications. Pay limits for the Permanent Casing shall be based on the minimum length shown.



ELEVATION

(Looking Up Station)



SECTION D-D

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5(E)	8	#6	37'-2"	—
p3(E)	12	#10	41'-0"	⊂⊃
p4(E)	9	#9	37'-3"	—
p5(E)	18	#6	2'-10"	—
p6(E)	5	#6	7'-0"	—
s3(E)	72	#5	17'-9"	□
s4(E)	16	#5	11'-7"	⊔
s5(E)	8	#5	9'-4"	⊔
*** sp1(E)	3	#6	39'-2"	∿∿∿
*** sp2	3	#6	50'-6"	∿∿∿
u1(E)	10	#6	16'-1"	⊃
v12(E)	36	#11	41'-10"	⊃
v13(E)	36	#11	39'-10"	⊃
v14	36	#14	52'-0"	—
v15	36	#14	54'-0"	—
Concrete Structures		Cu. Yd.	150.5	
Reinforcement Bars		Pound	36,900	
Reinforcement Bars, Epoxy Coated		Pound	30,220	
Drilled Shaft in Soil		Cu. Yd.	78.5	
Drilled Shaft in Rock		Cu. Yd.	66.0	
Mechanical Splicers		Each	72	
Permanent Casing		Foot	75	

Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Minimum lap for spirals = 1½ turns
*** Length is height of spiral.

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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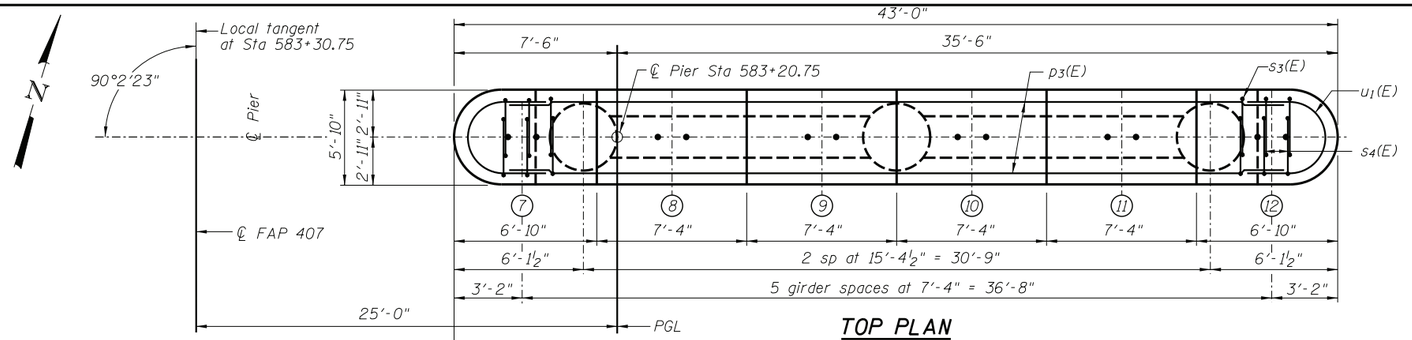
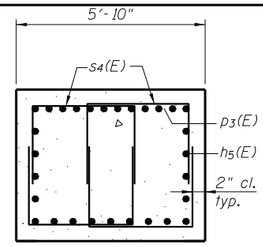
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1
STRUCTURE NO. 055-0046
SHEET NO. 32 OF 53 SHEETS

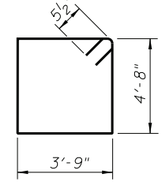
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55[3(PV;HB(2-6½B,B-1,B-2)]	MCDONOUGH	874	392
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



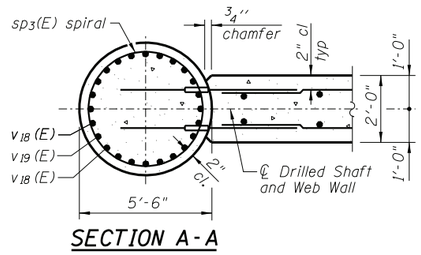
TOP PLAN



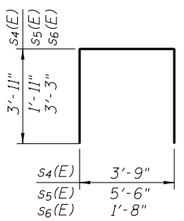
SECTION D-D



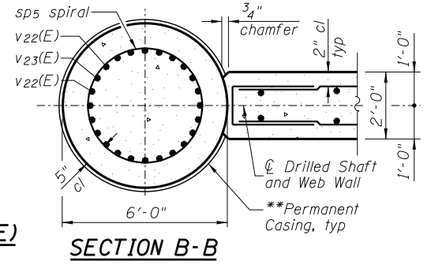
BAR s3(E)



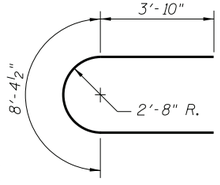
SECTION A-A



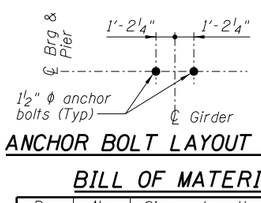
BARS s4(E), s5(E) & s6(E)



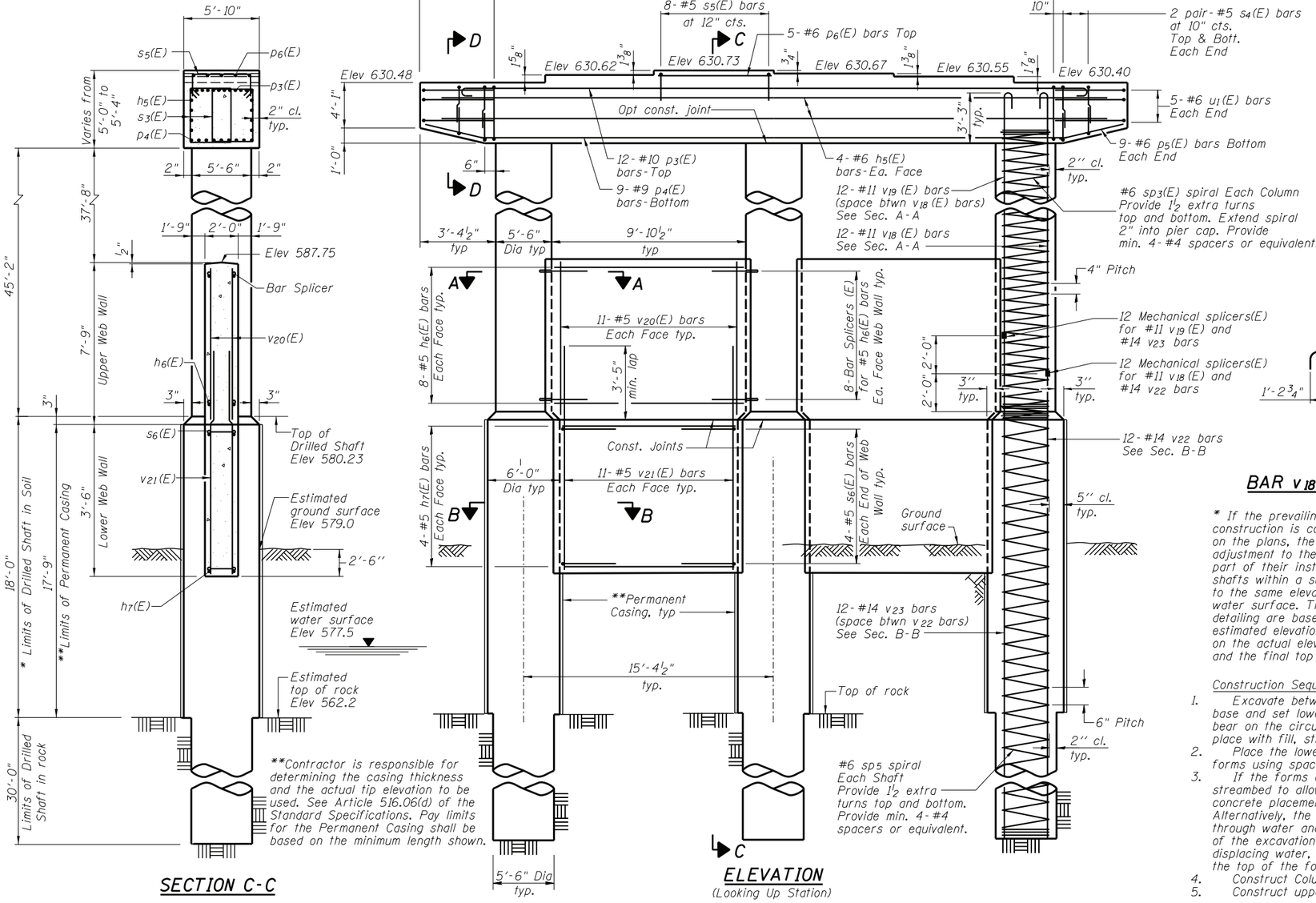
SECTION B-B



BAR u1(E)



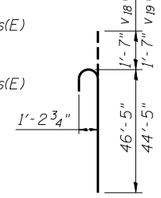
ANCHOR BOLT LAYOUT DETAIL



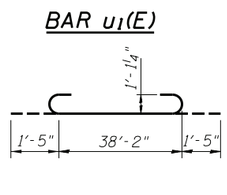
SECTION C-C

ELEVATION

(Looking Up Station)



BAR v18(E) & v19(E)



BAR p3(E)

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

Construction Sequence for Web Wall:

1. Excavate between shafts to elevation of web wall base and set lower web wall forms through water to bear on the circular edge of drilled shafts. Secure in place with fill, struts or tie forms together as required.
2. Place the lower web wall reinforcement cage into the forms using spacers to maintain proper clearances.
3. If the forms can be sealed against the shafts and streambed to allow dewatering, the reinforcement and the concrete placement may be completed in the dry. Alternatively, the rebar cage can be lowered into position through water and the concrete discharged at the base of the excavation through a tremie pipe or pump hose, displacing water, sediment, and tainted concrete out the top of the forms.
4. Construct Columns.
5. Construct upper web walls.

BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	h5(E)	8	#6	37'-2"	—
	h6(E)	32	#5	9'-6"	—
	h7(E)	16	#5	9'-0"	—
	p3(E)	12	#10	41'-0"	C
	p4(E)	9	#9	37'-3"	—
	p5(E)	18	#6	2-10"	—
	p6(E)	5	#6	7'-0"	—
	s3(E)	90	#5	17'-9"	□
	s4(E)	16	#5	11'-7"	U
	s5(E)	8	#5	9'-4"	U
	s6(E)	16	#5	8'-2"	U
***	sp3(E)	3	#6	45'-4"	∿∿
***	sp5	3	#6	48'-6"	∿∿
	u1(E)	10	#6	16'-1"	⊃
	v18 (E)	36	#11	48'-0"	⊃
	v19 (E)	36	#11	46'-0"	⊃
	v20(E)	44	#5	7'-5"	—
	v21(E)	44	#5	6'-9"	—
	v22	36	#14	50'-0"	—
	v23	36	#14	52'-0"	—
	Concrete Structures		Cu. Yd.	182.9	
	Structure Excavation		Cu. Yd.	10	
	Reinforcement Bars		Pound	35,500	
	Reinforcement Bars, Epoxy Coated		Pound	35,540	
	Drilled Shaft in Soil		Cu. Yd.	56.5	
	Drilled Shaft in Rock		Cu. Yd.	79.2	
	Bar Splicers		Each	64	
	Mechanical Splicers		Each	72	
	Permanent Casing		Foot	54	

Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Minimum lap for spirals = 1½ turns
*** Length is height of spiral.

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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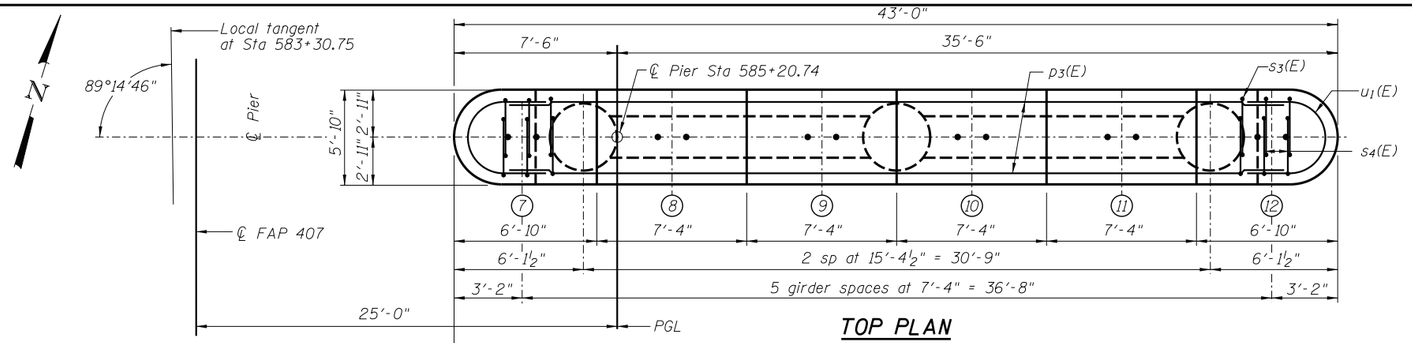
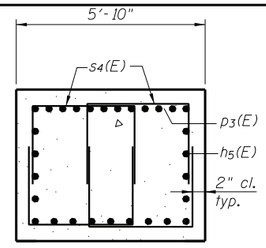
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2
STRUCTURE NO. 055-0046
SHEET NO. 33 OF 53 SHEETS

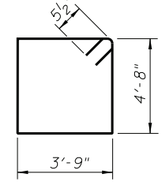
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV1HB(2-6)1B,B-1,B-2)1	MCDONOUGH	874	393
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



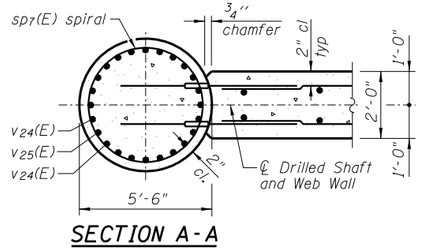
TOP PLAN



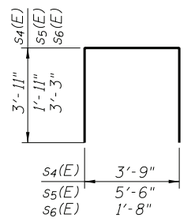
SECTION D-D



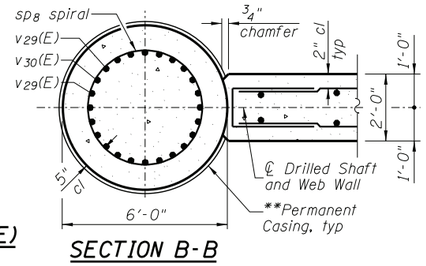
BAR s3(E)



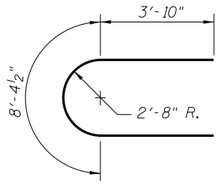
SECTION A-A



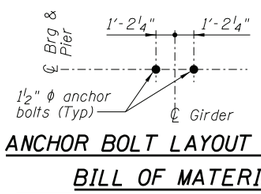
BARS s4(E), s5(E) & s6(E)



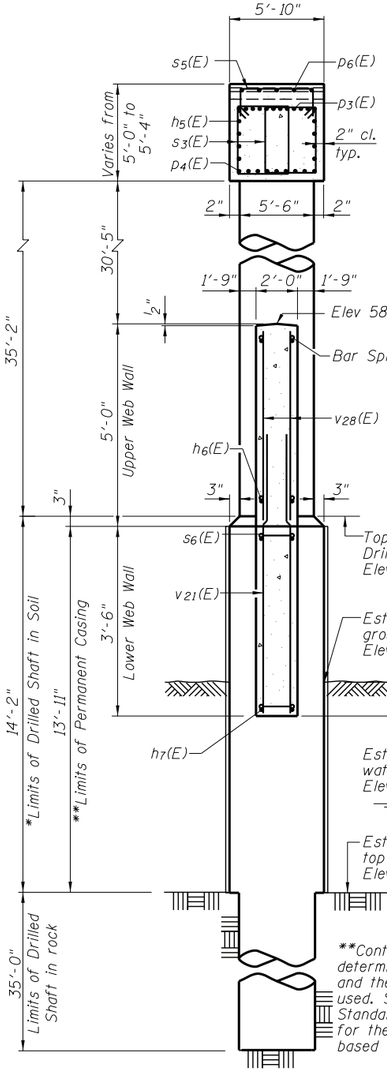
SECTION B-B



BAR u1(E)

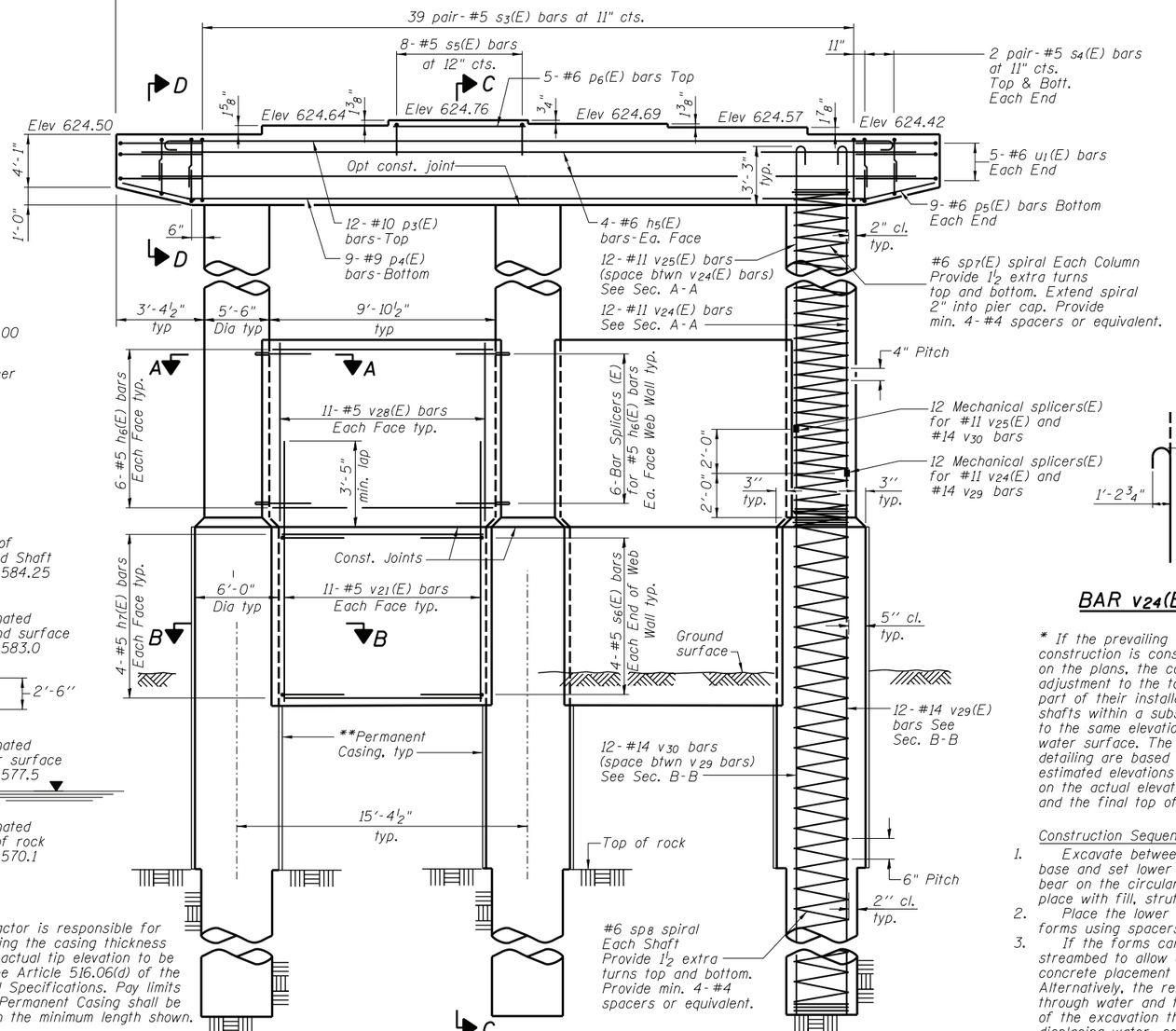


ANCHOR BOLT LAYOUT DETAIL



SECTION C-C

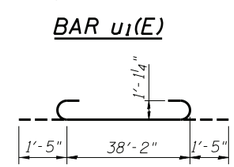
**Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06(d) of the Standard Specifications. Pay limits for the Permanent Casing shall be based on the minimum length shown.



ELEVATION

(Looking Up Station)

BAR v24(E) & v25(E)



BAR p3(E)

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

Construction Sequence for Web Wall:

1. Excavate between shafts to elevation of web wall base and set lower web wall forms through water to bear on the circular edge of drilled shafts. Secure in place with fill, struts or tie forms together as required.
2. Place the lower web wall reinforcement cage into the forms using spacers to maintain proper clearances.
3. If the forms can be sealed against the shafts and streambed to allow dewatering, the reinforcement and the concrete placement may be completed in the dry. Alternatively, the rebar cage can be lowered into position through water and the concrete discharged at the base of the excavation through a tremie pipe or pump hose, displacing water, sediment, and tainted concrete out the top of the forms.
4. Construct Columns.
5. Construct upper web walls.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5(E)	8	#6	37'-2"	—
h6(E)	24	#5	9'-6"	—
h7(E)	16	#5	9'-0"	—
p3(E)	12	#10	41'-0"	⊂⊃
p4(E)	9	#9	37'-3"	—
p5(E)	18	#6	2-10"	—
p6(E)	5	#6	7'-0"	—
s3(E)	78	#5	17'-9"	⊏
s4(E)	16	#5	11'-7"	⊔
s5(E)	8	#5	9'-4"	⊔
s6(E)	16	#5	8'-2"	⊔
*** sp7(E)	3	#6	35'-4"	∿∿
*** sp8	3	#6	49'-8"	∿∿
u1(E)	10	#6	16'-1"	⊃
v21(E)	44	#5	6'-9"	—
v24(E)	36	#11	38'-0"	⊃
v25(E)	36	#11	36'-0"	⊃
v28(E)	44	#5	4'-8"	—
v29	36	#14	51'-2"	—
v30	36	#14	53'-2"	—
Concrete Structures		Cu. Yd.	152.5	
Structure Excavation		Cu. Yd.	10	
Reinforcement Bars		Pound	36,830	
Reinforcement Bars, Epoxy Coated		Pound	29,060	
Drilled Shaft in Soil		Cu. Yd.	44.5	
Drilled Shaft in Rock		Cu. Yd.	92.4	
Bar Splicers		Each	48	
Mechanical Splicers		Each	72	
Permanent Casing		Foot	42	

Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Minimum lap for spirals = 1 1/2 turns
*** Length is height of spiral.

FILE NAME = I:\DOT\5606_ HEI.IL336\CADD\Structure\East Fork Lamoine River\NORTHBOUND\NB0846pier3.dgn

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CONSULTING ENGINEERS
184-001397

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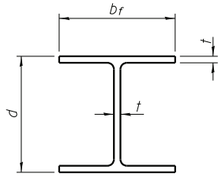
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

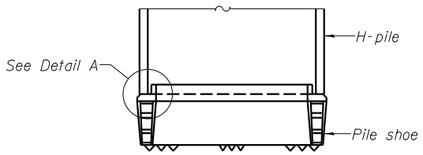
PIER 3
STRUCTURE NO. 055-0046
SHEET NO. 34 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	394
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	$14\frac{1}{4}''$	$14\frac{7}{8}''$	$\frac{13}{16}''$	30''
x102	14''	$14\frac{3}{4}''$	$\frac{11}{16}''$	30''
x89	$13\frac{7}{8}''$	$14\frac{3}{4}''$	$\frac{5}{8}''$	30''
x73	$13\frac{5}{8}''$	$14\frac{5}{8}''$	$\frac{1}{2}''$	30''
HP 12x84	$12\frac{1}{4}''$	$12\frac{1}{4}''$	$\frac{11}{16}''$	24''
x74	$12\frac{1}{8}''$	$12\frac{1}{4}''$	$\frac{5}{8}''$	24''
x63	12''	$12\frac{1}{8}''$	$\frac{1}{2}''$	24''
x53	$11\frac{3}{4}''$	12''	$\frac{7}{16}''$	24''
HP 10x57	10''	$10\frac{1}{4}''$	$\frac{9}{16}''$	24''
x42	$9\frac{3}{4}''$	$10\frac{1}{8}''$	$\frac{7}{16}''$	24''
HP 8x36	8''	$8\frac{1}{8}''$	$\frac{7}{16}''$	18''



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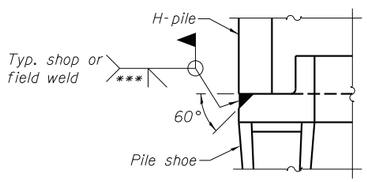
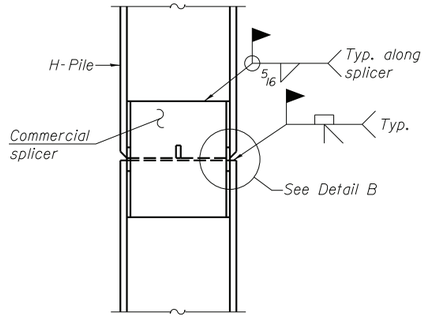


DETAIL A

H-PILE SHOE ATTACHMENT



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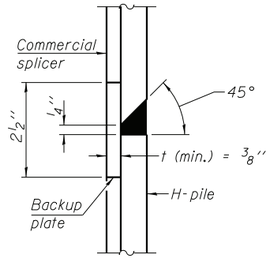
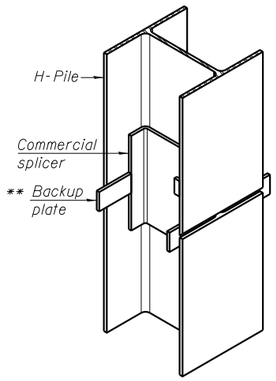
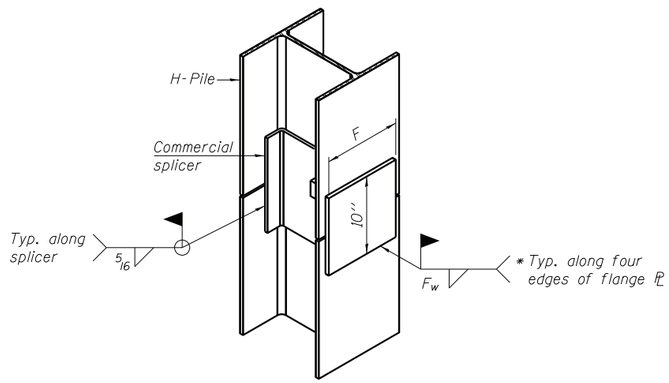


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



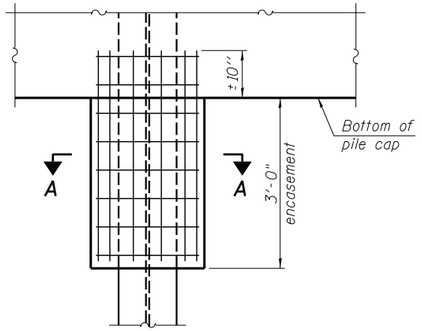
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds $\frac{1}{4}''$ from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer ($\frac{5}{16}''$ min.).



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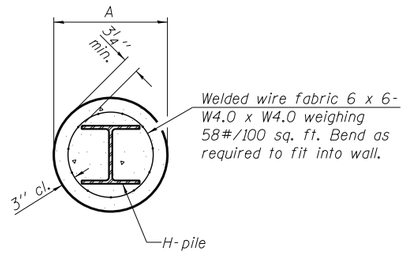
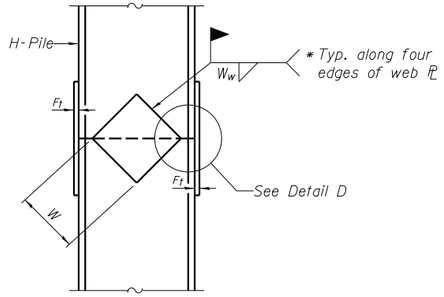


SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.

PILE ENCASEMENT



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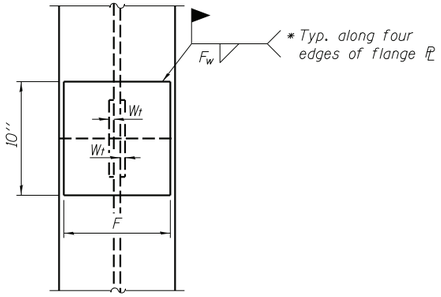
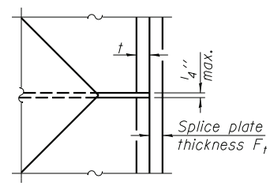


END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	$12\frac{1}{2}''$	1''	$\frac{7}{8}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x102	$12\frac{1}{2}''$	$\frac{7}{8}''$	$\frac{3}{4}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x89	$12\frac{1}{2}''$	$\frac{3}{4}''$	$\frac{11}{16}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x73	$12\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{9}{16}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
HP 12x84	10''	$\frac{7}{8}''$	$\frac{11}{16}''$	$6\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x74	10''	$\frac{7}{8}''$	$\frac{11}{16}''$	$6\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x63	10''	$\frac{5}{8}''$	$\frac{1}{2}''$	$6\frac{1}{2}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
x53	10''	$\frac{5}{8}''$	$\frac{1}{2}''$	$6\frac{1}{2}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
HP 10x57	8''	$\frac{3}{4}''$	$\frac{9}{16}''$	$5\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
x42	8''	$\frac{5}{8}''$	$\frac{9}{16}''$	$5\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
HP 8x36	7''	$\frac{5}{8}''$	$\frac{7}{16}''$	$4\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

F-HP 1-27-12

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184-001397

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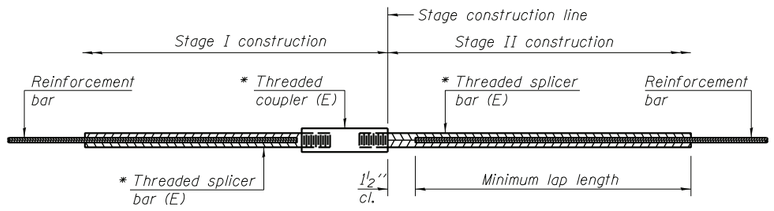
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 35 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	395
	SN 055-0046	CONTRACT NO. 68B44		
STA. 583+30.75	ILLINOIS FED. AID PROJECT			



STANDARD BAR SPLICER ASSEMBLY

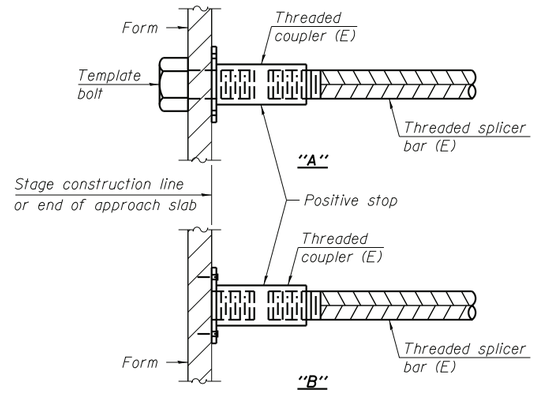
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Class C
Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1½" + thread length

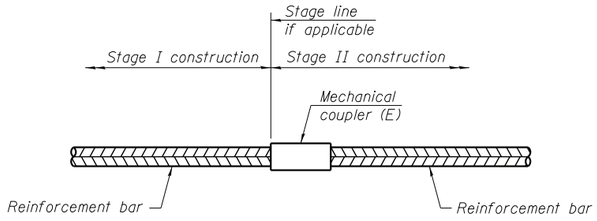
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Pier 2 web wall	#5	64	4
Pier 3 web wall	#5	48	4



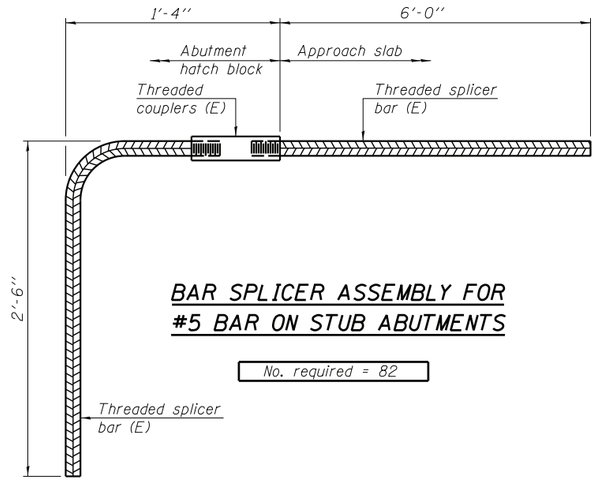
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier 1	#14/#11	72
Pier 2	#14/#11	72
Pier 3	#14/#11	72



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 82

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME = I:\IDOT\5686, HEI,IL336\CADD,Structural\East Fork Lamoine River\NBRTHBOUND\NBbarsplicer.dgn

BSD-1

8-31-12

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184-001397

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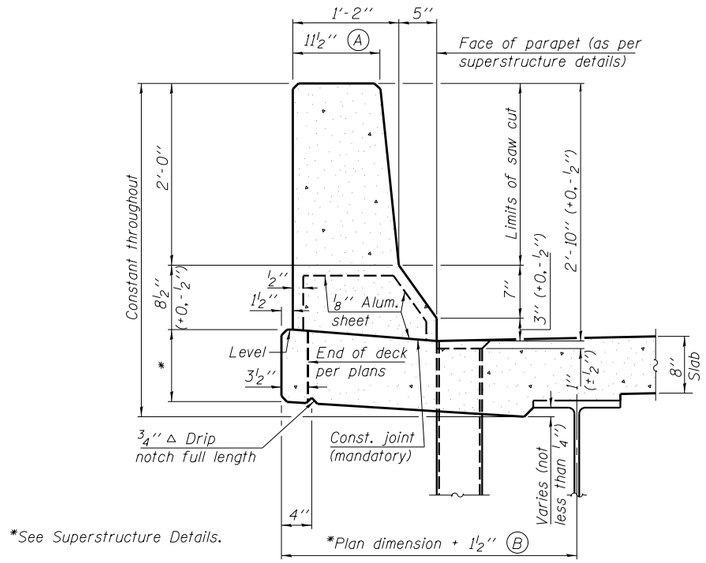
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

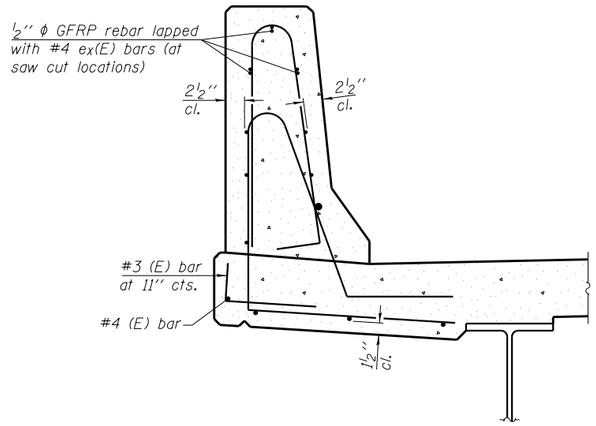
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 055-0046
SHEET NO. 36 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	396
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		



34" F SHAPE PARAPET SECTION

(Showing dimensions)



SECTION

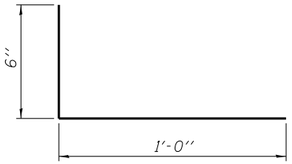
(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

GENERAL NOTES

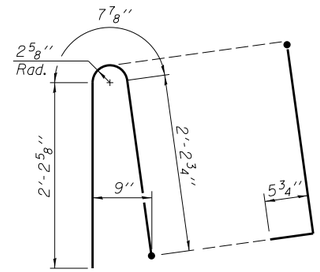
All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet.

Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.

Steel superstructure shown. Other superstructure types similar.

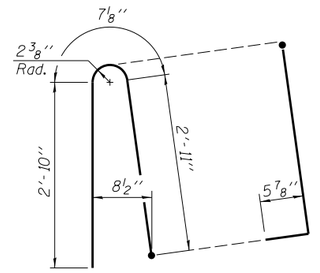


#3 (E) BAR



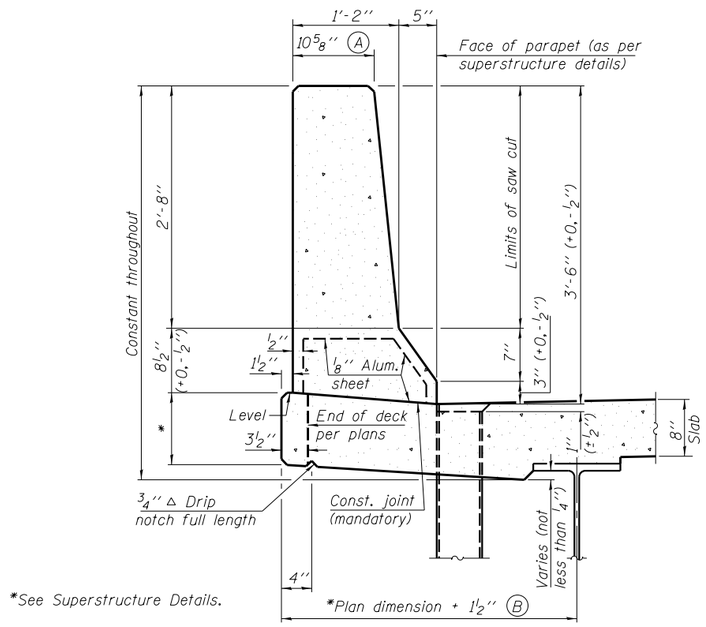
ALTERNATE BAR d(E)

(For 34" parapet when conduit is present)



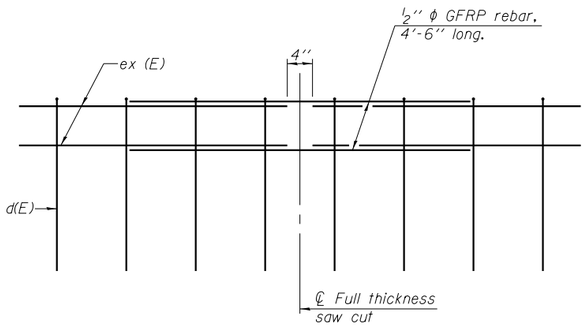
ALTERNATE BAR d(E)

(For 42" parapet when conduit is present)



42" F SHAPE PARAPET SECTION

(Showing dimensions)



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

SFP 34-42

8-16-12

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\slipform.dgn

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184-001397

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO 055-0046
SHEET NO. 36a OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	396A
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) Date 9/27/05
LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Prop. South Abutment, NE 1/4, SEC. 4, TWP. 5 N, RNG. 3 W, 4th PM,
Latitude 40° 27' 4.680001" N, Longitude 90° 44' 22.241605" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-111
Station 581+00
Offset 50.0 ft LT
Ground Surface Elev. 580.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 572.0 ft
Upon Completion ft
After 24 Hrs. 576.5 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 2 inches 579.8			
Brown CLAY LOAM, A-6	1 2 3	0.3 P	18
577.0			
Brown CLAY, A-7	0 1 1	0.4 B	29
-5			
	0 0 1	<0.25 P	24
572.0			
Brown SANDY CLAY LOAM, A-2 w/gravel	2 4		
-10	5		
569.5			
Gray GRAVEL, A-1	8 9		11
568.0	49		
Gray SANDY SHALE			
565.5	9 50		13
-15	50/0.5"		
Auger refusal at 14.5 ft Boring terminated at 14.5 ft. **Hole collapsed at 7.8 ft. after 24 hours			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) Date 11/3/10
LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Proposed S Abut - S Bound; NE 1/4, SEC. 4, TWP. 5N, RNG. 3W, 4th PM,
Latitude , Longitude

COUNTY McDonough DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-111 X
Station 581+00
Offset 50.0 ft LT
Ground Surface Elev. 581.1 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 572.1 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY LOAM: Brown A-4 580.8			
SAND: Brown A-3 580.5			
SILTY LOAM: Brown and gray A-4 579.9			15
SANDY LOAM: Brown, trace coarse gravel A-2-4 (0), LL-24, PL-15, PI-9 A-2-6 (0)			9
A-2-4 (0)			
576.1 -5			12
SILTY CLAY LOAM: Brown A-6 (14), LL-38, PL-20, PI-18 575.1			35
SANDY LOAM: Brown A-4 (0)			
574.0			22
SAND: Brown A-2-4 (0)			
572.1			15
SANDY LOAM: Brown A-2-4 (0)			
571.1 -10			23
SAND: Brown A-3 (0)			14
569.1			14
SAND: Brown A-1-b (0) 568.4			11
Auger Refusal at 12.7 ft. Boring terminated at 12.7 ft.			
-15			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Recovery - 23/24 inches			
Recovery - 2/24 inches			
-25			
Recovery - 21/24 inches			
Recovery - 22/24 inches			
Recovery - 24/24 inches			
-30			
Recovery - 24/24 inches			
Recovery - 6/24 inches			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) Date 9/29/05
LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Prop. South Pier, NE 1/4, SEC. 4, TWP. 5 N, RNG. 3 W, 4th PM,
Latitude 40° 27' 6.812786" N, Longitude 90° 44' 22.640686" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-112
Station 583+16
Offset 25.0 ft LT
Ground Surface Elev. 572.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 565.0 ft
Upon Completion ft
After 24 Hrs. 565.8 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 1 inch 571.9			
Brown CLAY LOAM, A-6	2 3 2	1.3 P	22
567.7			
Brown SAND, A-3 567.3	2 3 3	0.5 B	22
-5			
Brown SAND, A-1 566.5			
Brown CLAY LOAM, A-6			
565.5	2 3 3		
Gray SANDY LOAM, A-2			
562.5	2 2		
-10 Gray GRAVEL, A-1 w/sand	19		
561.5			
Gray SANDY LOAM, A-2	3 5 4		
558.5			
Dark gray CLAY, A-7 558.0	22		14
Black CARBONIFEROUS SHALE 557.5	29	4.5 P	8
-15 Light brown CLAY, A-7	40		
556.5			
Gray SHALE 556.0			
Light brown CLAYEY SHALE 555.7	50/2.5"		10
	50/0.5"		
Auger refusal at 16.3 ft Boring terminated at 16.3 ft. **Hole collapsed at 8.0 ft. after 24 hours			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

FILE NAME = I:\IDOT\5686. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\Borings01.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:25:57 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 0.0833 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 055-0046
SHEET NO. 37 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	397
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75 ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

Date 11/02/10

ROUTE FAP 407 (IL 336) DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Proposed S Pier - S Bound; NE 1/4, **SEC.** 4, **TWP.** 5N, **RNG.** 3W, 4th **PM**

COUNTY McDonough DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-112 X
Station 583+25
Offset 25.0 ft LT
Ground Surface Elev. 577.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-5			
-10			
-15			
-20			

Auger refusal at 20 feet.
Borehole continued with rock coring.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrcmeter)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

ROCK CORE LOG

Page 1 of 1

Date 11/02/10

ROUTE FAP 407 (IL 336) DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (BCR)

SECTION 55-3 LOCATION Proposed S Pier - S Bound; NE 1/4, **SEC.** 4, **TWP.** 5N, **RNG.** 3W, 4th **PM**

COUNTY McDonough CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

CORING BARREL TYPE & SIZE NW conv dbl bbl split inner

BORING NO. B-112 X
Station 583+25
Offset 25.0 ft LT
Ground Surface Elev. 577.9 ft

Core Diameter 1.9 in
Top of Rock Elev. ft
Begin Core Elev. 557.9 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)
SANDY SHALE: Brown	1	87	37		15.0	5
Geomechanics Classification of Rock Mass Rating (GC RMR)=48, Fair Rock						
555.7						
CLAYEY SHALE: Gray and dark gray, with rock fragments Becomes dark gray						
-25	2	93	13			
Becomes light gray and greenish gray						
GC RMR=51, Fair Rock					4.0	10.4
548.2 -30	3	100	39			
SILTSTONE: Greenish gray						
GC RMR=62, Good Rock					425.0	3.6
544.6						
LIMESTONE: Gray						
GC RMR=62, Good Rock						
543.2 -35						
Boring terminated at 34.7 ft.						
-40						

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

Date 4/25/05

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (TC)

SECTION 55-3 LOCATION Prop. North Pier, NE 1/4, **SEC.** 4, **TWP.** 5 N, **RNG.** 3 W, 4th **PM**
Latitude 40° 27' 9.112231" N, **Longitude** 90° 44' 23.709618" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-113
Station 585+61
Offset 50.0 ft LT
Ground Surface Elev. 584.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 576.5 ft ▼
Upon Completion 582.7 ft ▽
After 48 Hrs. 583.5 ft ▼

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 3 inches 584.3			
Brown SILTY CLAY LOAM, A-6	2 3 3	1.1 B	26
579.9 -5	2 2 4	0.2 B	15
Brown SAND, A-3	2 2 4		
576.5	3 3 5	0.1 B	21
Gray SILTY LOAM, A-4 -10			
573.9	5 12 17		
Gray GRAVEL, A-1	15 35 40		14
571.1 -15	19 40 44		10
Dark gray SHALE w/silt and lignite seams	15 80/3"		6
565.0			
Boring terminated at 19.5 ft. -20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

FILE NAME = I:\IDOT\5686, HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUNDNBboring01.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:26:30 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 0.0833 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 055-0046
SHEET NO. 38 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3PV;HB(2-6½B,B-1,B-2))	MCDONOUGH	874	398
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75	ILLINOIS	FED. AID PROJECT	

FILE NAME = I:\IDOT\5606. HEI.IL336\CADD.Structural\East Fork Lamoine River\NORTHBOUND\NBorings01.dgn

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 9/4/07

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb Bypass (Northwest Corridor) - IL 336 over E. Fork LaMoine River LOGGED BY JAR- IDOT

SECTION 55-3 LOCATION NE 1/4, **SEC.** 4, **TWP.** 5N, **RNG.** 3W, 4th **PM,**
Latitude , Longitude

COUNTY McDonough DRILLING METHOD HSA HAMMER TYPE ______

STRUCT. NO. 055-0066(prop)
Station ______

BORING NO. B-113X (N Pier, SBL's)
Station 585+57
Offset 38.0 ft Lt
Ground Surface Elev. 584.50 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter ______ ft
Upon Completion ______ ft
After ______ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SEE SCI BORING B-113 FOR SOILS 0-19.5'					
		-5			
		-10			
		-15			
	565.00				
Borehole continued with rock coring.		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

DRILLED AND LOGGED BY IDOT

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 9/4/07

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb Bypass (Northwest Corridor) - IL 336 over E. Fork LaMoine River LOGGED BY JAR- IDOT

SECTION 55-3 LOCATION NE 1/4, **SEC.** 4, **TWP.** 5N, **RNG.** 3W, 4th **PM,**
Latitude , Longitude

COUNTY McDonough CORING METHOD Dual Barrel

STRUCT. NO. 055-0066(prop)
Station ______

CORING BARREL TYPE & SIZE NWD4
Core Diameter 2.1 in
Top of Rock Elev. 565.00 ft
Begin Core Elev. 565.00 ft

BORING NO. B-113X (N Pier, SBL's)
Station 585+57
Offset 38.0 ft Lt
Ground Surface Elev. 584.50 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)
Dk. Gray Sandy **SHALE** Geomechanics Classification of Rock Mass Rating (GC RMR)=18, Poor Rock	565.00 / 564.20	-20	1	90	18			
Lt. Gray w/ Dk. Gray seams **Sandy SHALE** GC RMR=18, Poor Rock	562.20							
Lt. Gray to Gray **Sandy SHALE** GC RMR=36, Poor Rock	561.10						101.7	4
Dk. Gray & Lt. Gray **Sandy SHALE** w/sdstone seams GC RMR=18, Poor Rock	560.00							
Lt. Gray **SANDSTONE** GC RMR=18, Poor Rock	558.70	-25	2	90	18			
Grn-Gray **SHALE/SHALEY CLAY** w/ limest/sdstone frags GC RMR=18, Poor Rock	555.00						18.0 7.8	9 11
Grn-Gray **SHALEY CLAY/SHALE** (soft) GC RMR=28, Poor Rock	550.00	-30	3	100	52		3.8 1.6 63.2 7.5 14.8 5.0	11 13 9 9 8 9
End of Boring		-35						

Color pictures of the cores Yes
Cores will be stored for examination until ______
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

Date 4/25/05

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (TC)

SECTION 55-3 LOCATION Prop. North Abutment, NE 1/4, **SEC.** 4, **TWP.** 5 N, **RNG.** 3 W, 4th **PM,**
Latitude 40° 27' 10.703124" N, **Longitude** 90° 44' 23.854235" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-114
Station 587+20
Offset 25.0 ft LT
Ground Surface Elev. 590.9 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 577.9 ft▼
Upon Completion 584.4 ft▽
After 48 Hrs. 584.9 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 6 inches	590.4				
Gray SILTY CLAY, A-6	589.2		3 6 10	2.3 B	24
Gray CLAY, A-7		-5	3 4 5	1.5 B	24
	584.4		3 4 6	1.4 B	16
Brown CLAY LOAM, A-6	583.5				
Brown SAND, A-3	582.2				
Brown SANDY LOAM, A-2		-10	1 1 1		
			1 1 2		
	577.9				
Gray SAND, A-3		-15	5 6 19		
	575.2				
Gray SAND, A-1 w/gravel	573.9		7 4 13		
Gray SILTSTONE w/sandstone and lignite seams	571.4		26 80/3"		12
Boring terminated at 19.5 ft.		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS 184-001397	USER NAME = abenz	DESIGNED - JMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 055-0046	F.A.P. RTE. 407	SECTION 55[3(PV;HB(2-6);B,B-1,B-2)]
	PLOT TIME = 3:27:03 PM	CHECKED - ACB	REVISED -			COUNTY MCDONOUGH	TOTAL SHEETS 874
	PLOT SCALE = 0.0833 '/ in.	DRAWN - RLK	REVISED -			SHEET NO. 399	SN 055-0046
	PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -		SHEET NO. 39 OF 53 SHEETS	CONTRACT NO. 68B44	STA. 583+30.75 ILLINOIS FED. AID PROJECT

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (BCR)
Date 9/26/05

SECTION 55-3 LOCATION Prop. South Abutment, NE 1/4, SEC. 4, TWP. 5N, RNG. 3 W, 4th PM,
Latitude 40° 27' 4.886954" N, Longitude 90° 44' 21.242912" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-115
Station 581+00
Offset 30.0 ft RT
Ground Surface Elev. 580.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 572.8 ft ▼
Upon Completion 575.3 ft ▽
After 24 Hrs. 575.8 ft ▼

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL - 2 inches	580.1			
Brown CLAY, A-7	579.3			
Dark brown SILTY CLAY, A-6	578.7	1 2 3	0.5 P	17
Brown CLAY LOAM, A-6	577.3			
Brown and gray CLAY, A-7	▽ -5	0 0 0	0.4 B	27
		0 1 1	0.5 B	31
	-10	0 1 2	0.6 B	29
Brown and gray SANDY LOAM, A-2 w/gravel	569.6	7 8 10		16
Gray SANDY SHALE	566.9			
Auger refusal at 14 ft.	566.3	50/1.5"		
Auger refusal at 14 ft.		50/3.5"		
**Hole collapsed at 8.0 ft. after 24 hours	-15	50/0.5"		
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (BCR)
Date 9/26/05

SECTION 55-3 LOCATION Prop. South Abutment, NE 1/4, SEC. 4, TWP. 5N, RNG. 3 W, 4th PM,
Latitude 40° 27' 4.886954" N, Longitude 90° 44' 21.242912" W

COUNTY McDonough DRILLING METHOD CME 850 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-115 ST
Station 581+00
Offset 30.0 ft RT
Ground Surface Elev. 580.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	577.3			
Gray SILTY CLAY LOAM, A-6	575.3			30
Gray CLAY, A-7	-5		0.3 UU	29
	573.3			
Gray SILTY CLAY, A-6	571.3		0.5 UU	27
Boring terminated at 9.0 ft.	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Page 1 of 1

ROUTE FAP 407 DESCRIPTION IL 336 Macomb Bypass - East Fork LaMoine River Bridge (Chalmers Twp) LOGGED BY SCI (BCR)
Date 11/3/10

SECTION 55-3 LOCATION Proposed S Abut - N Bound; NE 1/4, SEC. 4, TWP. 5N, RNG. 3W, 4th PM,
Latitude , Longitude

COUNTY McDonough DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 055-0046 & 055-0047
Station 583+84.75

BORING NO. B-115 X
Station 581+00
Offset 50.0 ft RT
Ground Surface Elev. 581.9 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 573.4 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Brown, silty clay loam A-6	581.4			
FILL: Grayish brown, silty loam A-7-6 (19), LL-48, PL-25, PI-23				33
Becomes brown and gray with roots	579.7			
FILL: Brown, sand A-3	579.5			22
SILTY LOAM: Brown A-6 (8), LL-35, PL-21, PI-14	578.7			19
FILL: Brown and gray, sandy loam A-6 (3), LL-30, PL-17, PI-13 LL-28, PL-14, PI-14	-5			24
SILTY CLAY LOAM: Brown and gray A-7-6 (23), LL-47, PL-23, PI-24	575.9			26
SAND: Brown, fine to medium, trace fine gravel (A-3)	575.6			15
LOAM: Brown and gray, trace cobble A-6 (3), LL-30, PL-18, PI-12	575.4		0.1 B	29
A-6 (6), LL-35, PL-17, PI-18 Becomes grayish brown and brown	571.9 -10			35
SILTY CLAY LOAM: Gray (A-6, 9), LL-33, PL-19, PI-14	570.6			24
SILTY LOAM: Gray A-4 (2), LL-25, PL-19, PI-6	569.9			32
CLAY: Grayish brown A-7	569.4			27
SAND: Brown A-2-4 (0)	568.6			
Auger Refusal at 13.3 ft.	-15			
	-20			

Recovery - 18/24 inches

Recovery - 23/24 inches

Recovery - 14/24 inches

Recovery - 22/24 inches

No recovery in ST. SPT sampler pushed in disturbed materials to collect sample. Rimac test result shown in Qu (tsf).

Recovery - 23/24 inches

Recovery - 17/17 inches

-25 -30 -35 -40

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

FILE NAME = I:\IDOT\5686. HEI.IL336\C400.Structural\East Fork Lamoine River\NGRTHBOUND\Borings01.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = abenz	DESIGNED - JMB	REVISED -
PLOT TIME = 3:27:36 PM	CHECKED - ACB	REVISED -
PLOT SCALE = 0.0833 ' / in.	DRAWN - RLK	REVISED -
PLOT DATE = 1/15/2015	CHECKED - JMB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 055-0046
SHEET NO. 40 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3(PV;HB(2-6);B,B-1,B-2))	MCDONOUGH	874	400
	SN 055-0046	CONTRACT NO. 68B44		
	STA. 583+30.75 ILLINOIS FED. AID PROJECT			