


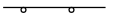






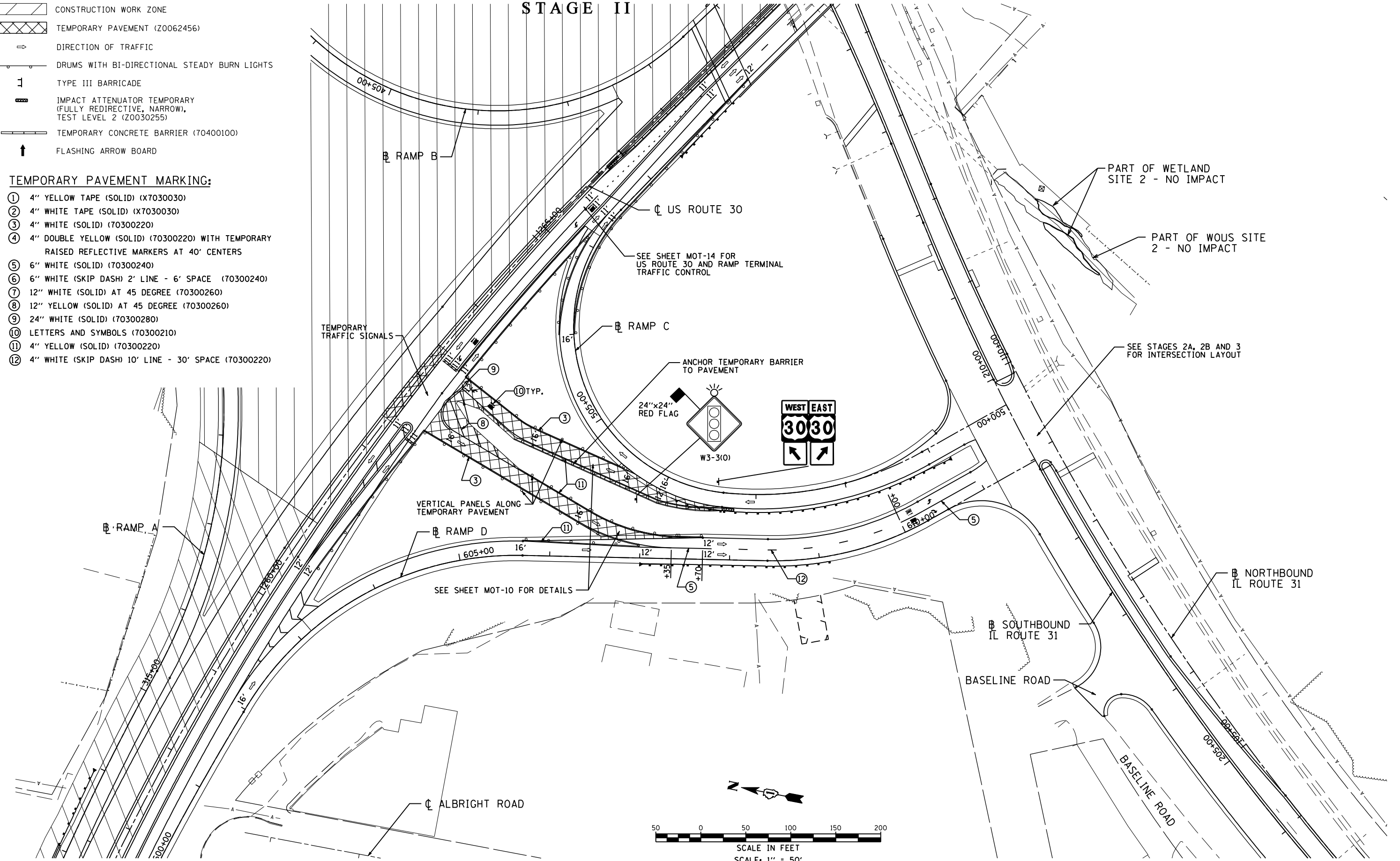
LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT (Z0062456)
-  DIRECTION OF TRAFFIC
-  DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
-  TYPE III BARRICADE
-  IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
-  TEMPORARY CONCRETE BARRIER (70400100)
-  FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING:

- ① 4" YELLOW TAPE (SOLID) (X7030030)
- ② 4" WHITE TAPE (SOLID) (X7030030)
- ③ 4" WHITE (SOLID) (70300220)
- ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
- ⑤ 6" WHITE (SOLID) (70300240)
- ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
- ⑦ 12" WHITE (SOLID) AT 45 DEGREE (70300260)
- ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
- ⑨ 24" WHITE (SOLID) (70300280)
- ⑩ LETTERS AND SYMBOLS (70300210)
- ⑪ 4" YELLOW (SOLID) (70300220)
- ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)

STAGE II



P:\jobs\2010\201030033\cd\site\vgd\00\060133-sht+mot+52-04.dgn
 8/8/2012 2:02:52 PM

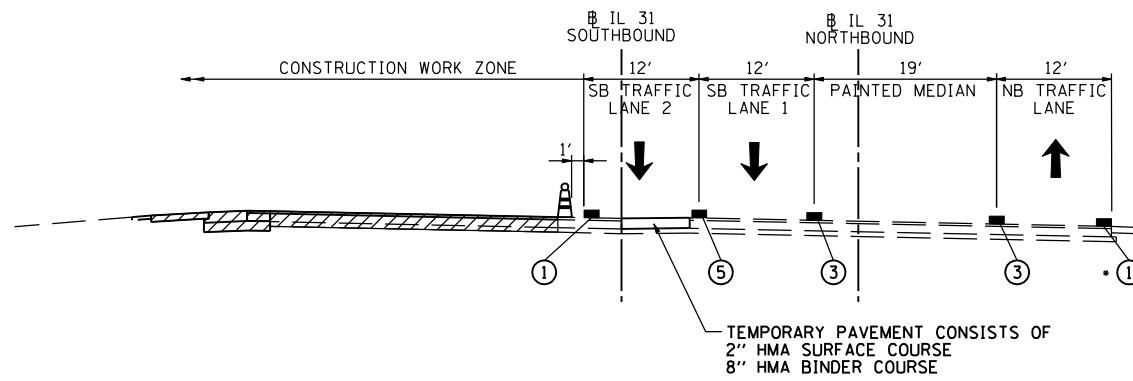
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

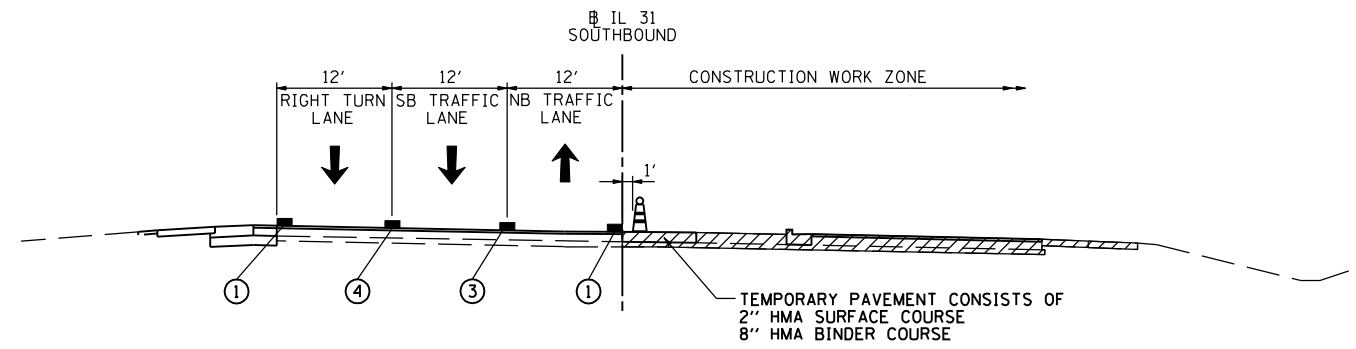
**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2
RAMP C AND RAMP D**

SCALE: 1"=50' SHEET NO. MOT-16 OF 27 (RAMP C) STA. 500+00 TO STA. 507+52 (RAMP D) STA. 600+00 TO STA. 609+96

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 103
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



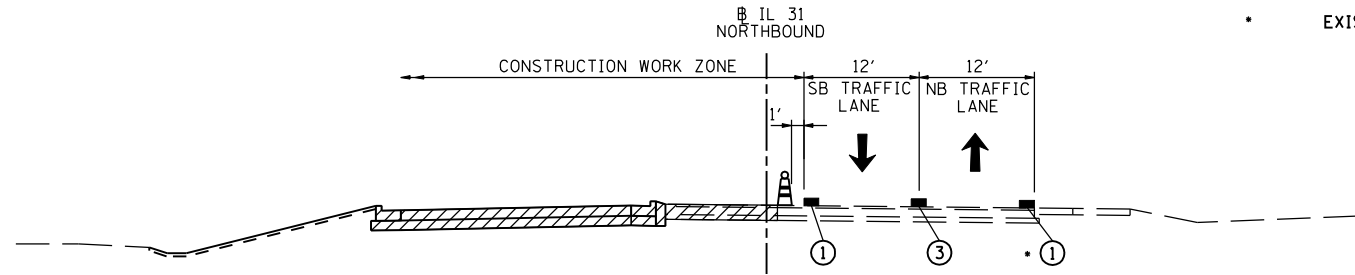
MAINTENANCE OF TRAFFIC - STAGE 2A
IL 31
 STA. 104+00
 (LOOKING NORTH)



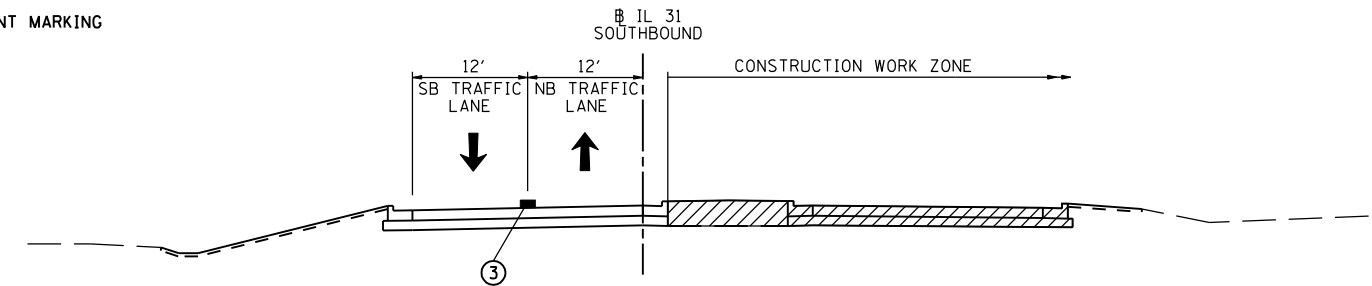
MAINTENANCE OF TRAFFIC - STAGE 2B
IL 31
 STA. 104+00
 (LOOKING NORTH)

LEGEND:

- AREA OF PROPOSED CONSTRUCTION
- DRUM WITH BIDIRECTIONAL STEADY BURN LIGHT ON 2-LANE ROADWAYS AND MONODIRECTIONAL ON MULTILANE ROADWAYS
- DOUBLE VERTICAL PANEL (ONE PANEL ON EACH SIDE OF POST) WITH BIDIRECTIONAL STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER WITH TYPE C MARKERS PER STANDARD 704001
- PAVEMENT MARKING:
 - ① 4" SOLID WHITE LINE
 - ② 4" SOLID YELLOW LINE
 - ③ 2-4" SOLID YELLOW LINE @ 11" C-C WITH YELLOW TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS AT 40' CENTERS (TYP.)
 - ④ 6" SOLID WHITE LINE
 - ⑤ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE
 - EXISTING PAVEMENT MARKING



MAINTENANCE OF TRAFFIC - STAGE 2A
IL 31
 STA. 128+00
 (LOOKING NORTH)



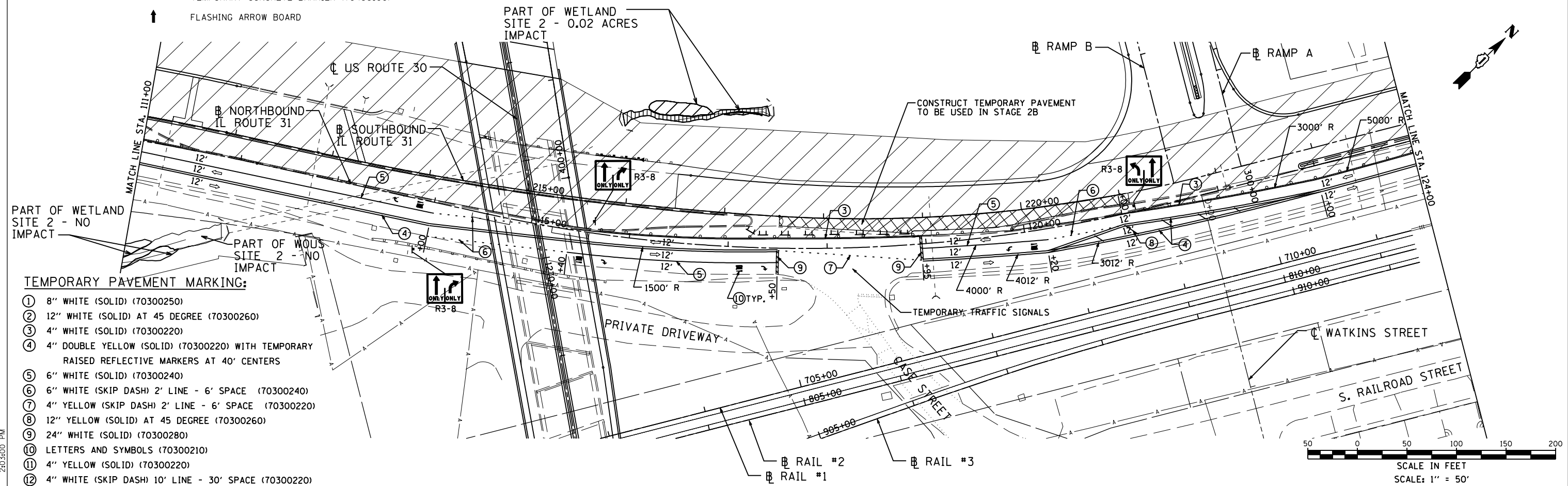
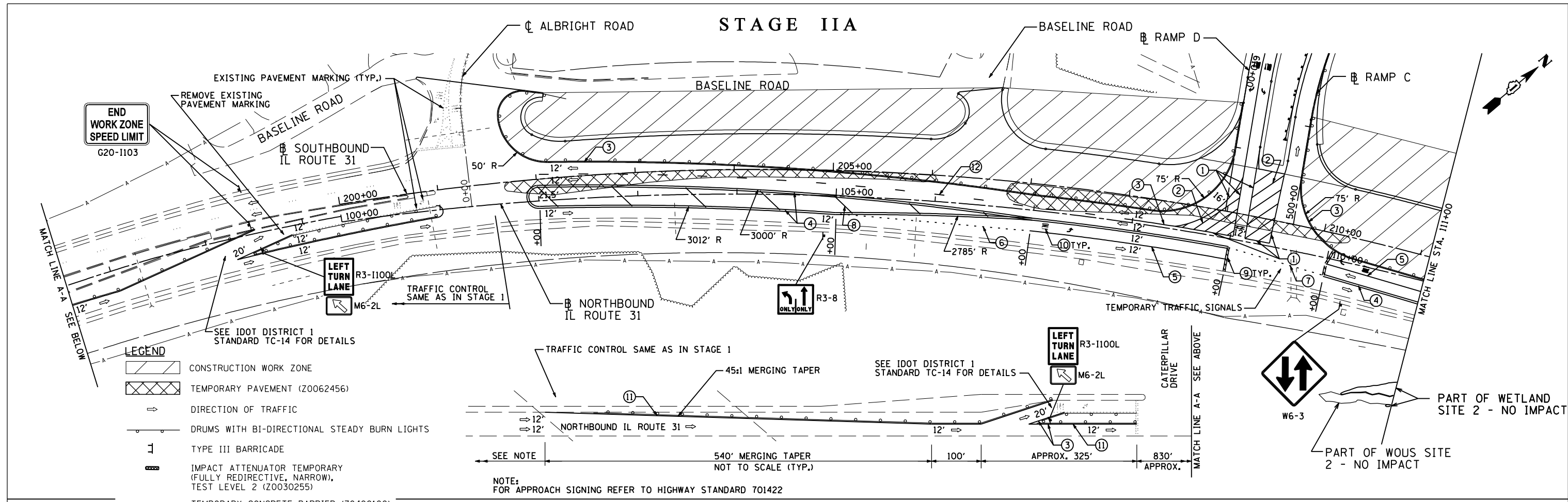
MAINTENANCE OF TRAFFIC - STAGE 2B
IL 31
 STA. 128+00
 (LOOKING NORTH)

P:\Jobs\2010\20103003\cadd\sheet\mot+typical-03.dgn
 8/8/2012 2:02:55 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
DRAWN - JWB	REVISIONS -	
PLOT SCALE = 20.0000' / IN.	CHECKED - RS	REVISIONS -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISIONS -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	104
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

STAGE IIA



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

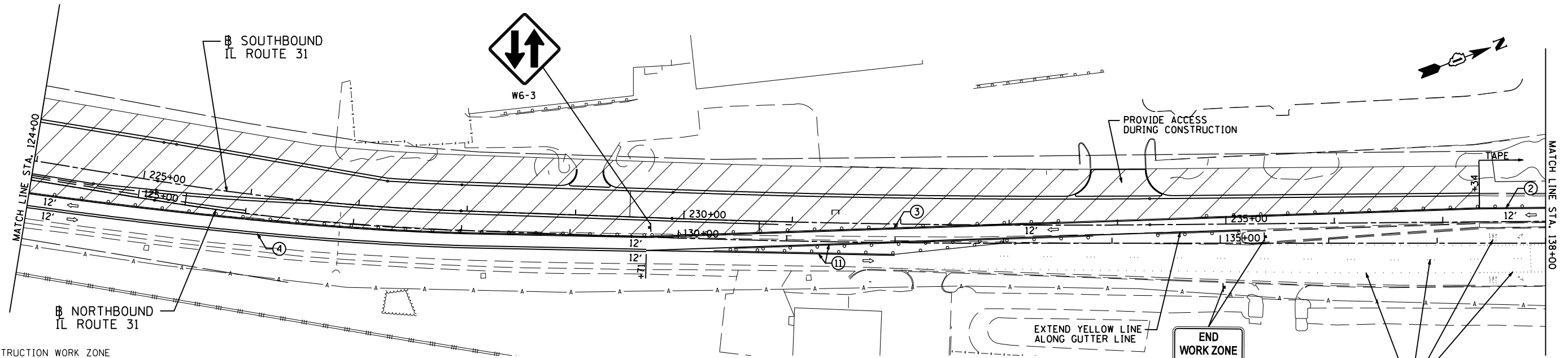
**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2A
IL ROUTE 31**

SCALE: 1"=50' SHEET NO. MOT-18 OF 27 STA. 100+00 TO STA. 124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	105
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

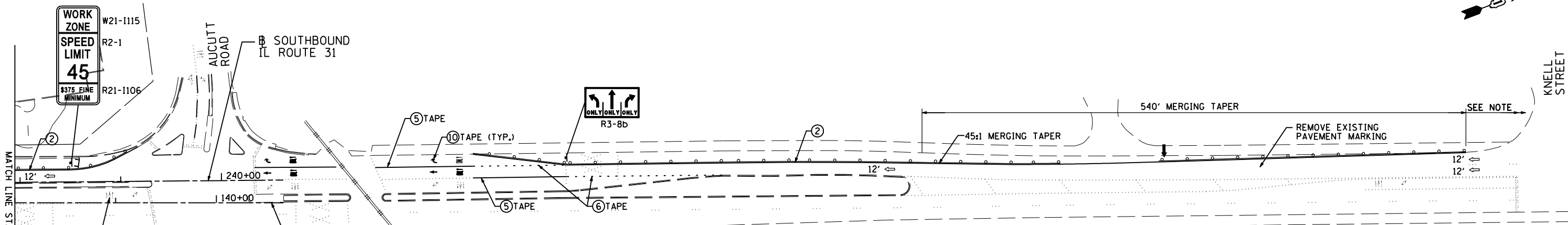
P:\Jobs\2010\201030033\cd\site\ogm\00\060133-sht+mot-18-2A-01.dgn
 8/8/2012 2:03:00 PM

STAGE IIA



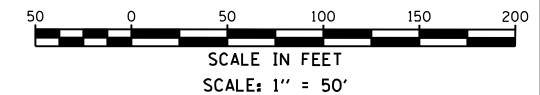
- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT (Z0062456)
 - DIRECTION OF TRAFFIC
 - DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
 - TYPE III BARRICADE
 - IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
 - TEMPORARY CONCRETE BARRIER (70400100)
 - FLASHING ARROW BOARD

NOTE:
FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



TEMPORARY PAVEMENT MARKING:

- ① 4" YELLOW TAPE (SOLID) (X7030030)
- ② 4" WHITE TAPE (SOLID) (X7030030)
- ③ 4" WHITE (SOLID) (70300220)
- ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
- ⑤ 6" WHITE (SOLID) (70300240)
- ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
- ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
- ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
- ⑨ 24" WHITE (SOLID) (70300280)
- ⑩ LETTERS AND SYMBOLS (70300210)
- ⑪ 4" YELLOW (SOLID) (70300220)
- ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)



P:\Jobs\2010\20100303\cadd\site\vdgn\00\0160133-sht+mot+szA-02.dgn
 8/8/2012 2:03:10 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

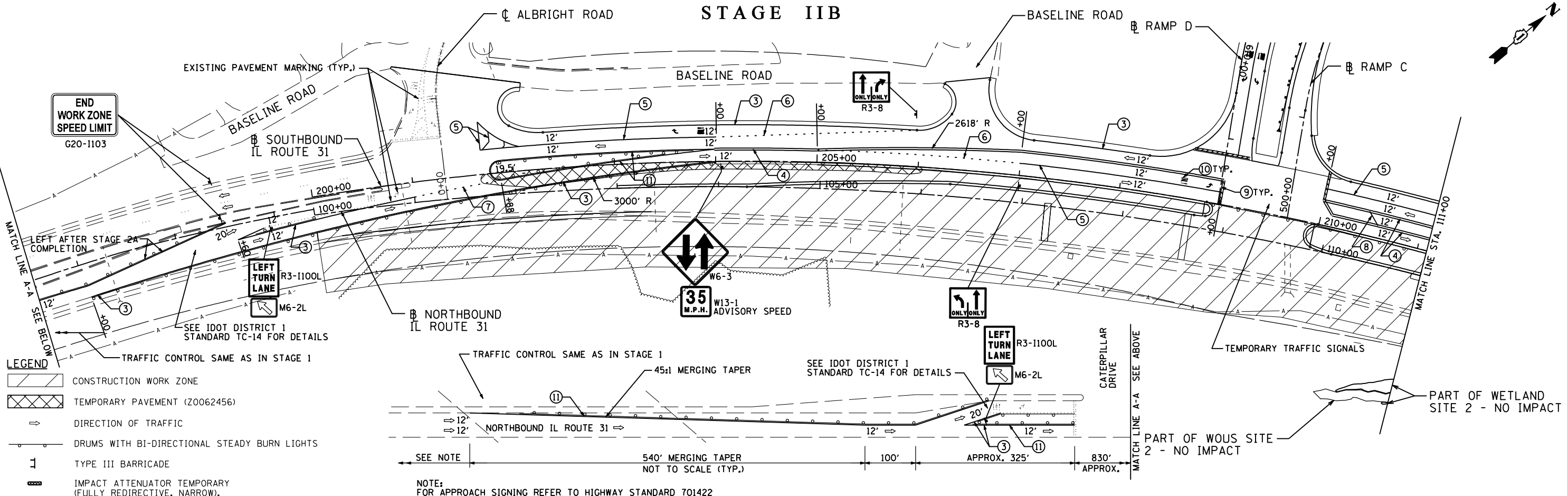
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2A
IL ROUTE 31**

SCALE: 1"=50' SHEET NO. MOT-19 OF 27 STA. 124+00 TO STA. 140+67

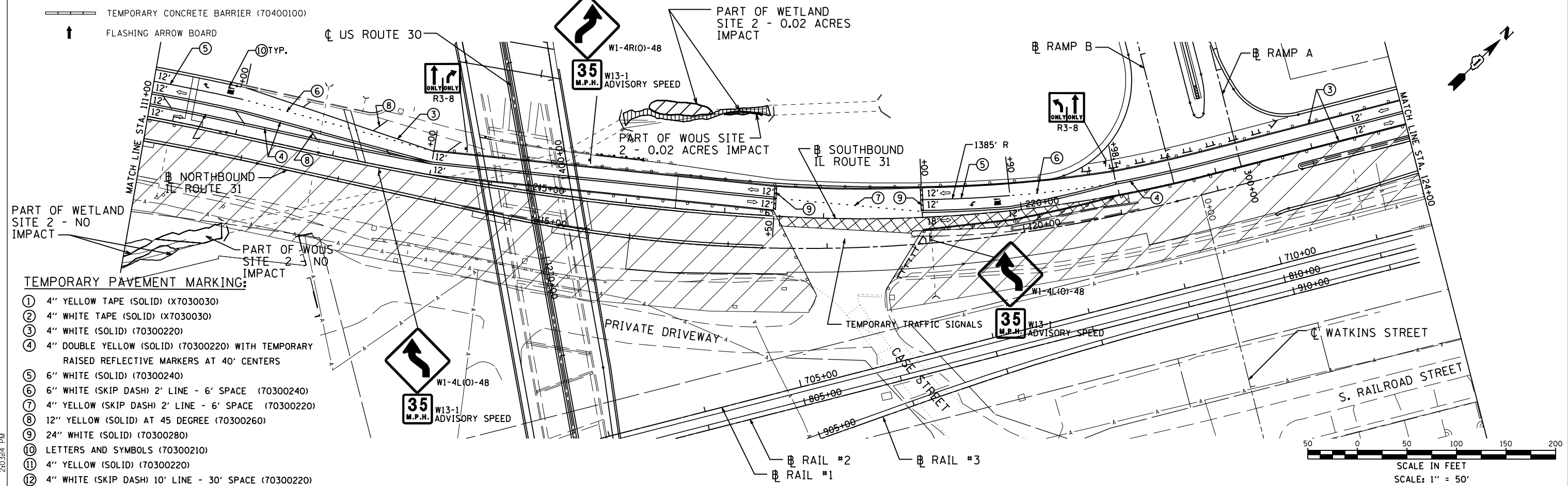
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	106
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

STAGE IIB



- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT (Z0062456)
 - DIRECTION OF TRAFFIC
 - DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
 - TYPE III BARRICADE
 - IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
 - TEMPORARY CONCRETE BARRIER (70400100)
 - FLASHING ARROW BOARD

NOTE:
FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



- TEMPORARY PAVEMENT MARKING:**
- ① 4" YELLOW TAPE (SOLID) (X7030030)
 - ② 4" WHITE TAPE (SOLID) (X7030030)
 - ③ 4" WHITE (SOLID) (70300220)
 - ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
 - ⑤ 6" WHITE (SOLID) (70300240)
 - ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
 - ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
 - ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
 - ⑨ 24" WHITE (SOLID) (70300280)
 - ⑩ LETTERS AND SYMBOLS (70300210)
 - ⑪ 4" YELLOW (SOLID) (70300220)
 - ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2B
IL ROUTE 31**

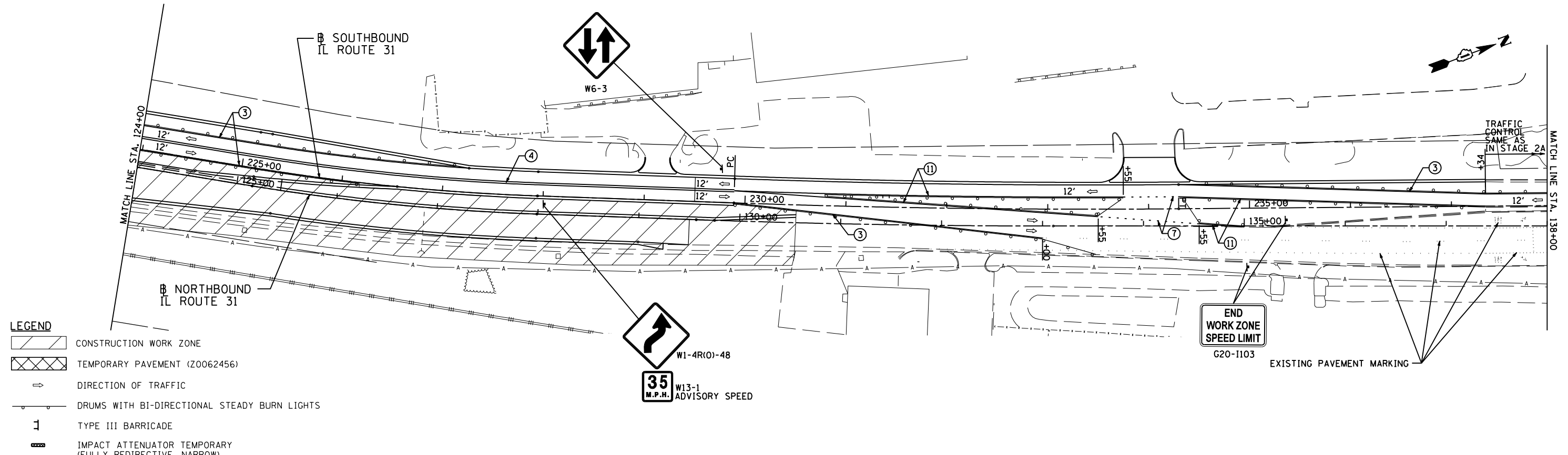
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	107
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

P:\Jobs\2010\201030033\cadd\stage\stage\mot-20-01.dgn
 8/8/2012 2:03:44 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

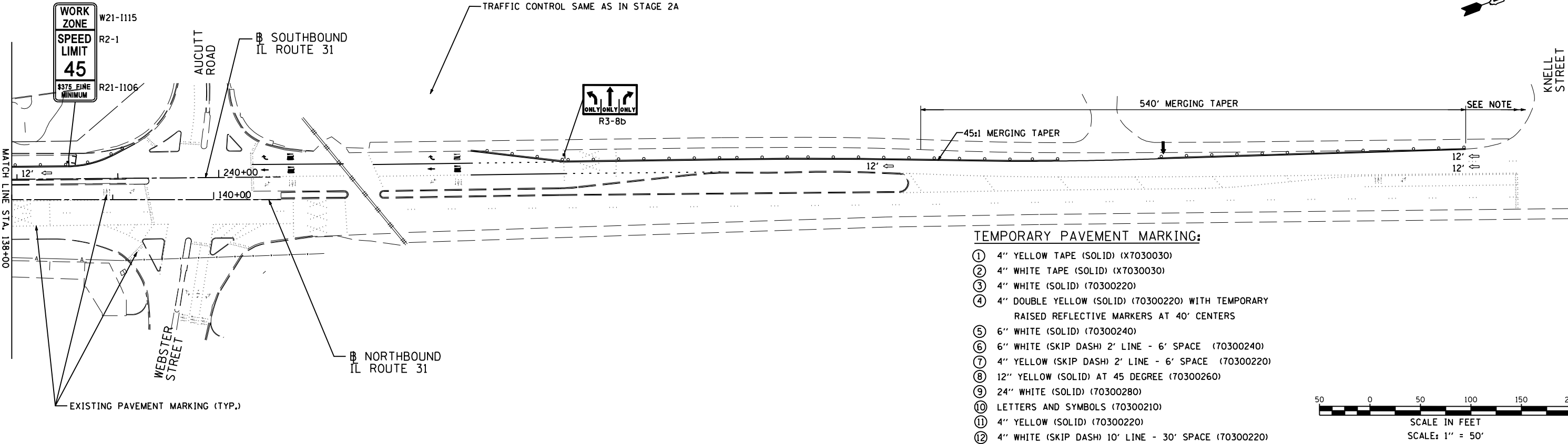
SCALE: 1"=50' SHEET NO. MOT-20 OF 27 STA. 100+00 TO STA. 124+00

STAGE IIB

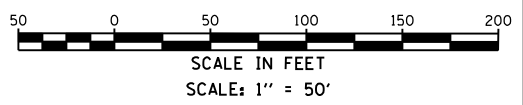


- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT (Z0062456)
 - DIRECTION OF TRAFFIC
 - DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
 - TYPE III BARRICADE
 - IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
 - TEMPORARY CONCRETE BARRIER (70400100)
 - FLASHING ARROW BOARD

NOTE:
FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



- TEMPORARY PAVEMENT MARKING:**
- ① 4" YELLOW TAPE (SOLID) (X7030030)
 - ② 4" WHITE TAPE (SOLID) (X7030030)
 - ③ 4" WHITE (SOLID) (70300220)
 - ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
 - ⑤ 6" WHITE (SOLID) (70300240)
 - ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
 - ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
 - ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
 - ⑨ 24" WHITE (SOLID) (70300280)
 - ⑩ LETTERS AND SYMBOLS (70300210)
 - ⑪ 4" YELLOW (SOLID) (70300220)
 - ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)



P:\Jobs\2010\20100303\cd\site\vdgn\00\1010133-sht+mot+52B-02.dgn
 8/8/2012 2:03:25 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

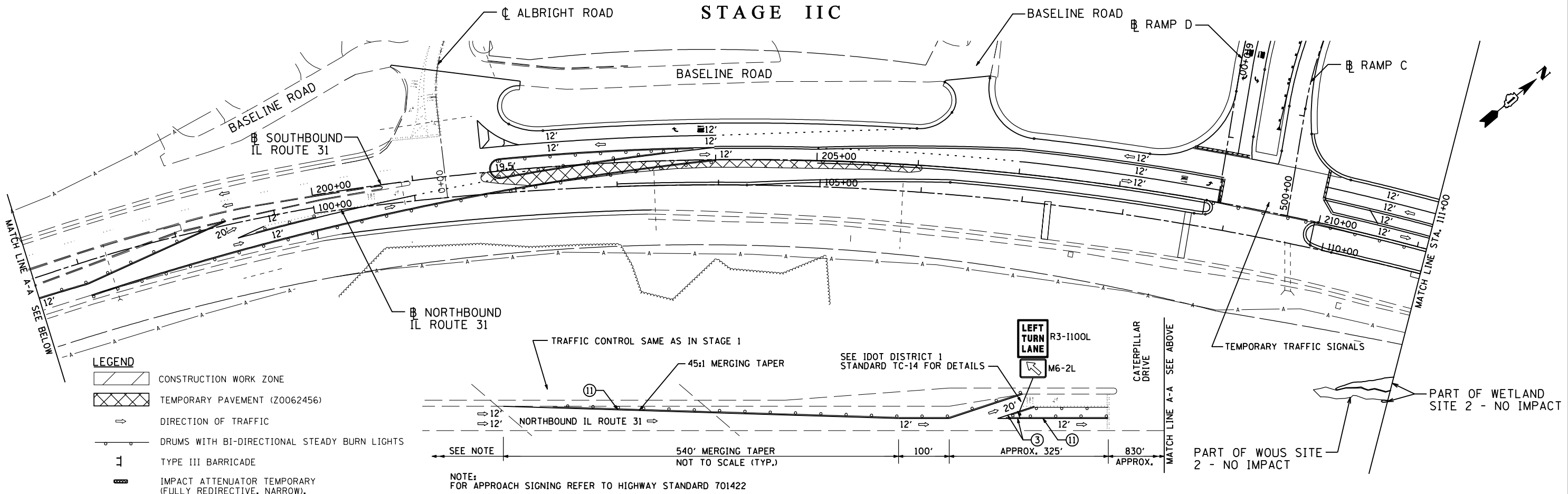
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2B
IL ROUTE 31**

SCALE: 1"=50' SHEET NO. MOT-21 OF 27 STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	108
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

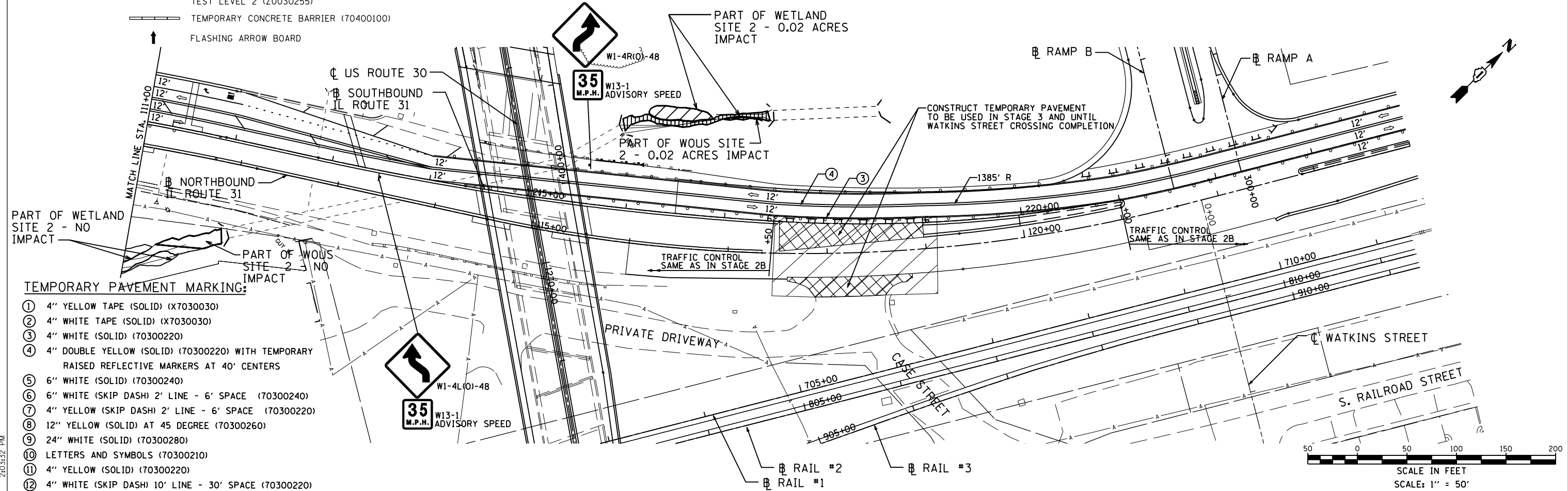
STAGE IIC



LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT (Z0062456)
- DIRECTION OF TRAFFIC
- DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
- TYPE III BARRICADE
- IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
- TEMPORARY CONCRETE BARRIER (70400100)
- FLASHING ARROW BOARD

NOTE: FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



TEMPORARY PAVEMENT MARKING:

- ① 4" YELLOW TAPE (SOLID) (X7030030)
- ② 4" WHITE TAPE (SOLID) (X7030030)
- ③ 4" WHITE (SOLID) (70300220)
- ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
- ⑤ 6" WHITE (SOLID) (70300240)
- ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
- ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
- ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
- ⑨ 24" WHITE (SOLID) (70300280)
- ⑩ LETTERS AND SYMBOLS (70300210)
- ⑪ 4" YELLOW (SOLID) (70300220)
- ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

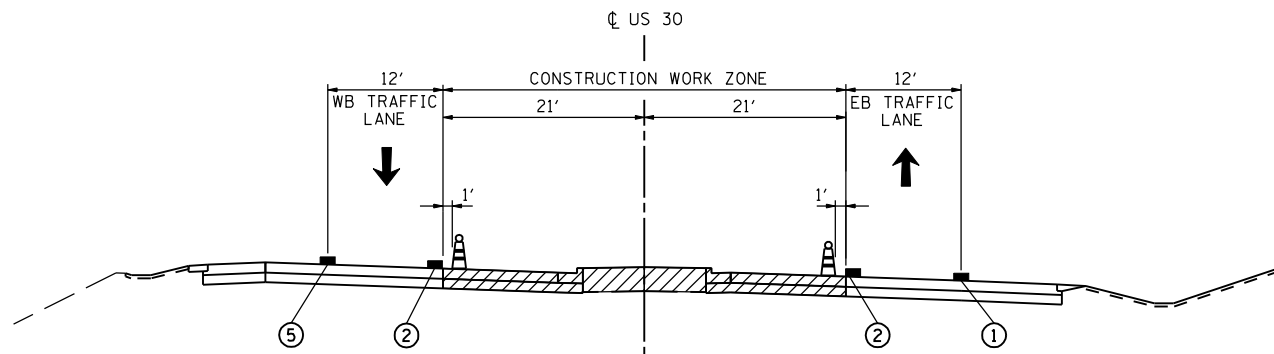
**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 2C
IL ROUTE 31**

SCALE: 1"=50' SHEET NO. MOT-22 OF 27 STA. 100+00 TO STA. 124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	109
* KANE AND KENDALL			CONTRACT NO. 60133	

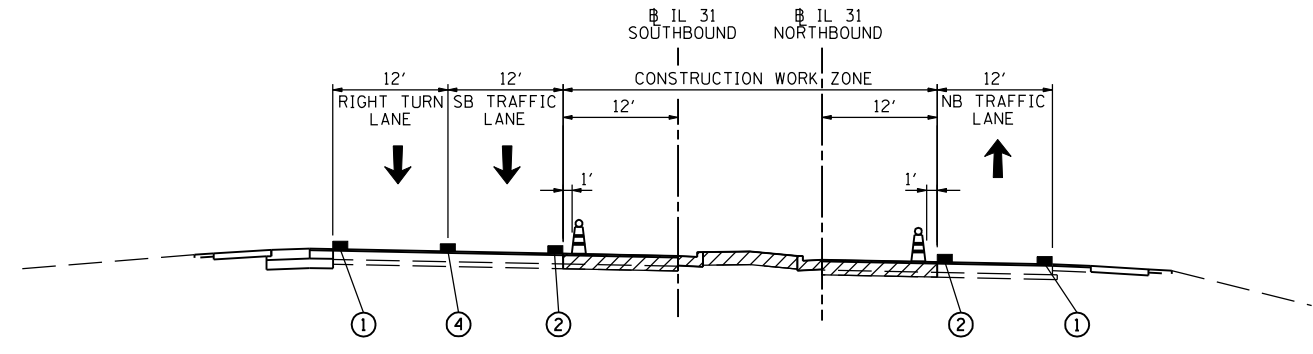
ILLINOIS FED. AID PROJECT

P:\Jobs\2010\201030033\cd\site\dm\00\060133-sht+mot-22c-01.dgn
 8/8/2012 2:03:32 PM



MAINTENANCE OF TRAFFIC - STAGE 3
US 30












STA. 1250+00
(LOOKING EAST)

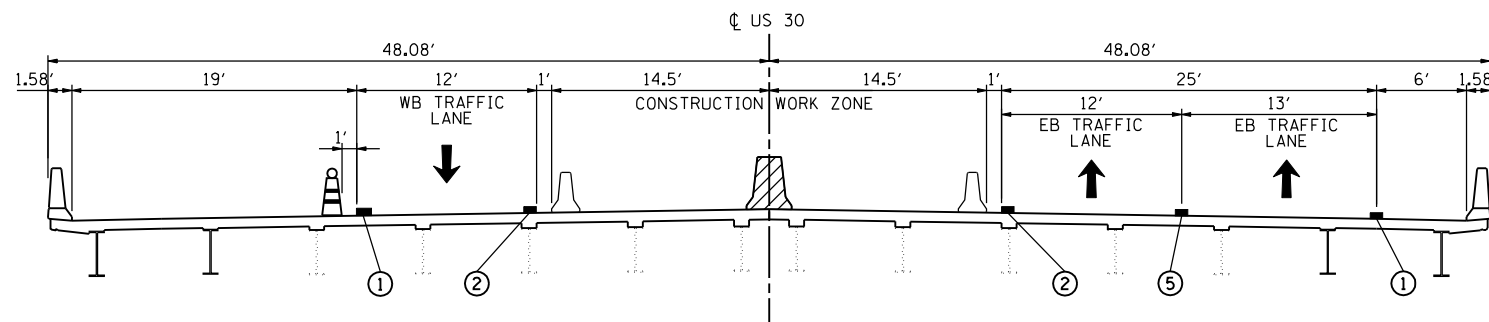


MAINTENANCE OF TRAFFIC - STAGE 3
IL 31

STA. 104+00
(LOOKING NORTH)

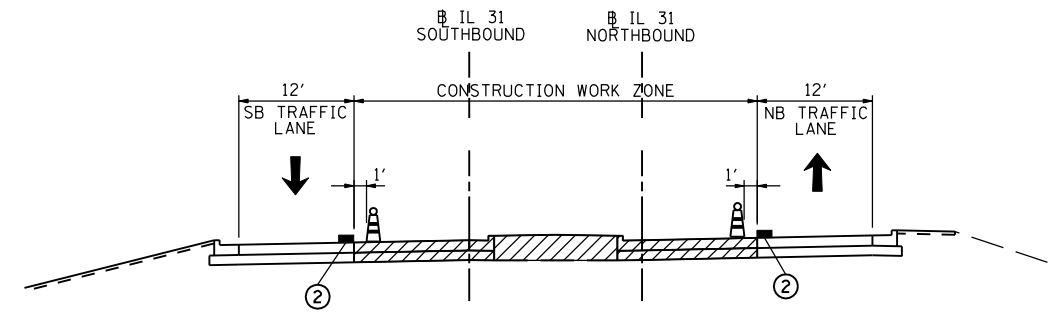
LEGEND:

-  AREA OF PROPOSED CONSTRUCTION
-  DRUM WITH BIDIRECTIONAL STEADY BURN LIGHT ON 2-LANE ROADWAYS AND MONODIRECTIONAL ON MULTILANE ROADWAYS
-  DOUBLE VERTICAL PANEL (ONE PANEL ON EACH SIDE OF POST) WITH BIDIRECTIONAL STEADY BURN LIGHT
-  TEMPORARY CONCRETE BARRIER WITH TYPE C MARKERS PER STANDARD 704001
-  PAVEMENT MARKING:
-  ① 4" SOLID WHITE LINE
-  ② 4" SOLID YELLOW LINE
-  ③ 2-4" SOLID YELLOW LINE @ 11" C-C WITH YELLOW TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS AT 40' CENTERS (TYP.)
-  ④ 6" SOLID WHITE LINE
-  ⑤ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE
-  • EXISTING PAVEMENT MARKING



MAINTENANCE OF TRAFFIC - STAGE 3
US 30

STA. 1271+00
(LOOKING EAST)



MAINTENANCE OF TRAFFIC - STAGE 3
IL 31

STA. 128+00
(LOOKING NORTH)

F:\Jobs\2010\20103003\cd\site\vdgn\00\0160133-sht-mot-typicat-04.dgn 8/8/2012 2:03:38 PM

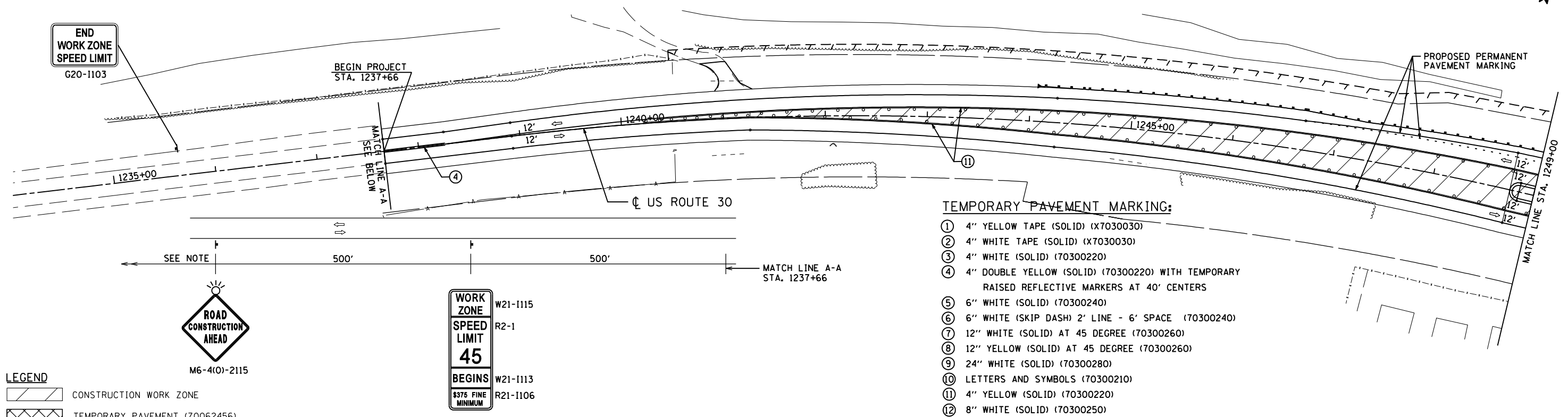
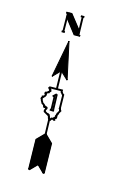
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	110
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

STAGE III

NOTE:

FOR APPROACH SIGNING WHERE FLAGGERS ARE NEEDED TO STOP TRAFFIC FOR SHORT DURATIONS WHILE WORK ENCKROACHES UPON THE LANE(S) OPEN TO TRAFFIC, FOLLOW IDOT HIGHWAY STANDARD 701326

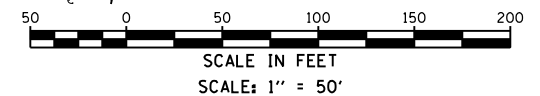
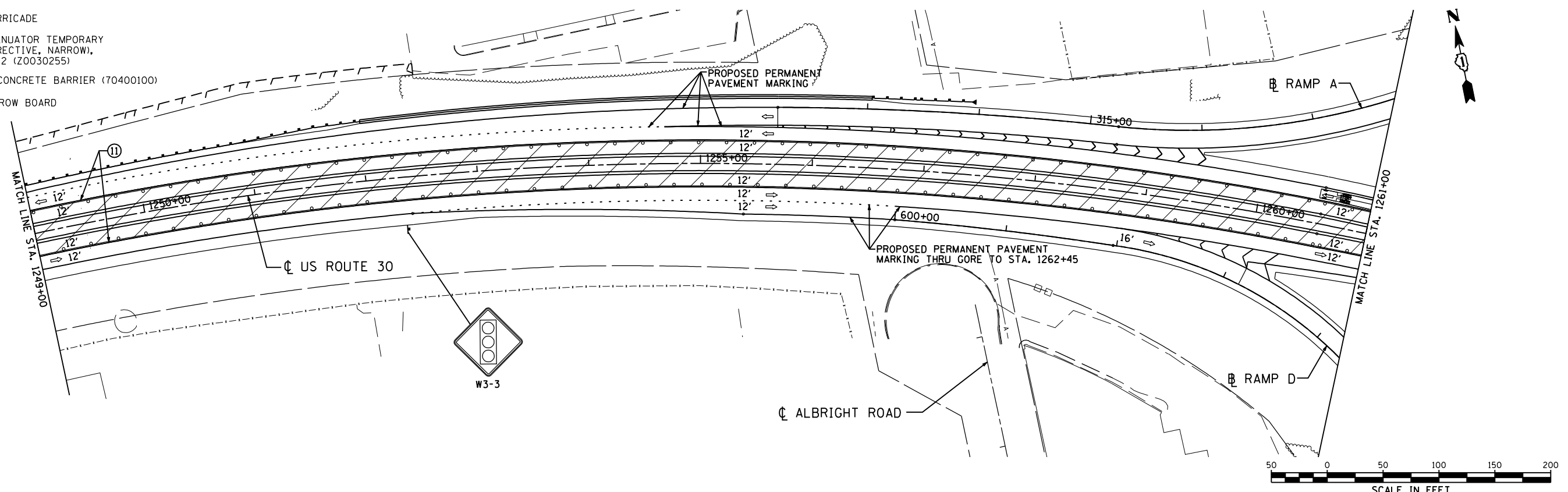


TEMPORARY PAVEMENT MARKING:

- ① 4" YELLOW TAPE (SOLID) (X7030030)
- ② 4" WHITE TAPE (SOLID) (X7030030)
- ③ 4" WHITE (SOLID) (70300220)
- ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
- ⑤ 6" WHITE (SOLID) (70300240)
- ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
- ⑦ 12" WHITE (SOLID) AT 45 DEGREE (70300260)
- ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
- ⑨ 24" WHITE (SOLID) (70300280)
- ⑩ LETTERS AND SYMBOLS (70300210)
- ⑪ 4" YELLOW (SOLID) (70300220)
- ⑫ 8" WHITE (SOLID) (70300250)

LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT (Z0062456)
- DIRECTION OF TRAFFIC
- DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
- TYPE III BARRICADE
- IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW, TEST LEVEL 2 (Z0030255))
- TEMPORARY CONCRETE BARRIER (70400100)
- FLASHING ARROW BOARD



P:\jobs\2010\20103003\cd\site\vdgn\00\0160133-sht+mot+53-01.dgn
 8/8/2012 2:03:43 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

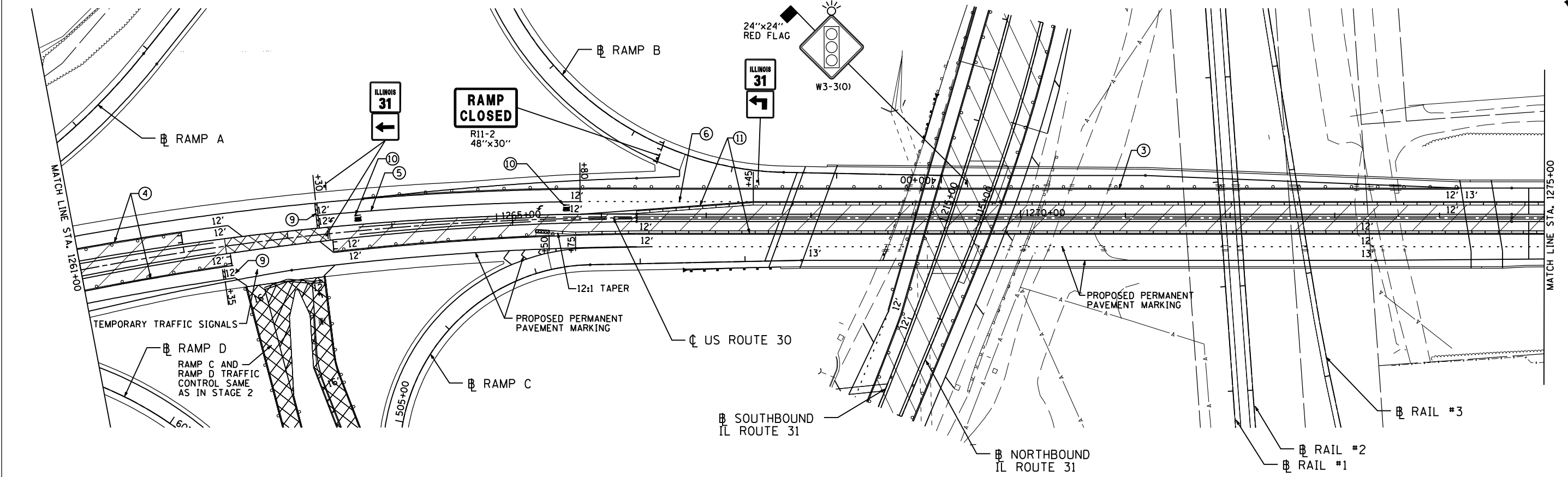
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 3
U.S. ROUTE 30**

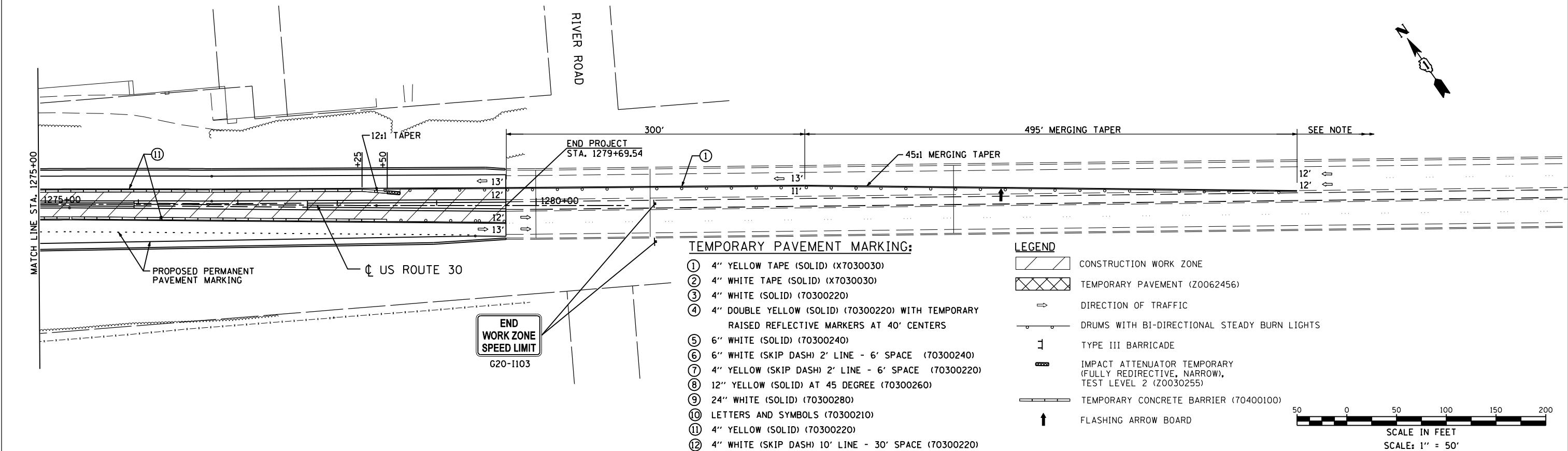
SCALE: 1"=50' SHEET NO. MOT-24 OF 27 STA. 1234+00 TO STA. 1261+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	111
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

STAGE III



NOTE:
FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



- TEMPORARY PAVEMENT MARKING:**
- ① 4" YELLOW TAPE (SOLID) (X7030030)
 - ② 4" WHITE TAPE (SOLID) (X7030030)
 - ③ 4" WHITE (SOLID) (70300220)
 - ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
 - ⑤ 6" WHITE (SOLID) (70300240)
 - ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
 - ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
 - ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
 - ⑨ 24" WHITE (SOLID) (70300280)
 - ⑩ LETTERS AND SYMBOLS (70300210)
 - ⑪ 4" YELLOW (SOLID) (70300220)
 - ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)

- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT (Z0062456)
 - DIRECTION OF TRAFFIC
 - DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
 - TYPE III BARRICADE
 - IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
 - TEMPORARY CONCRETE BARRIER (70400100)
 - FLASHING ARROW BOARD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 3
U.S. ROUTE 30**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	112
* KANE AND KENDALL			CONTRACT NO. 60133	

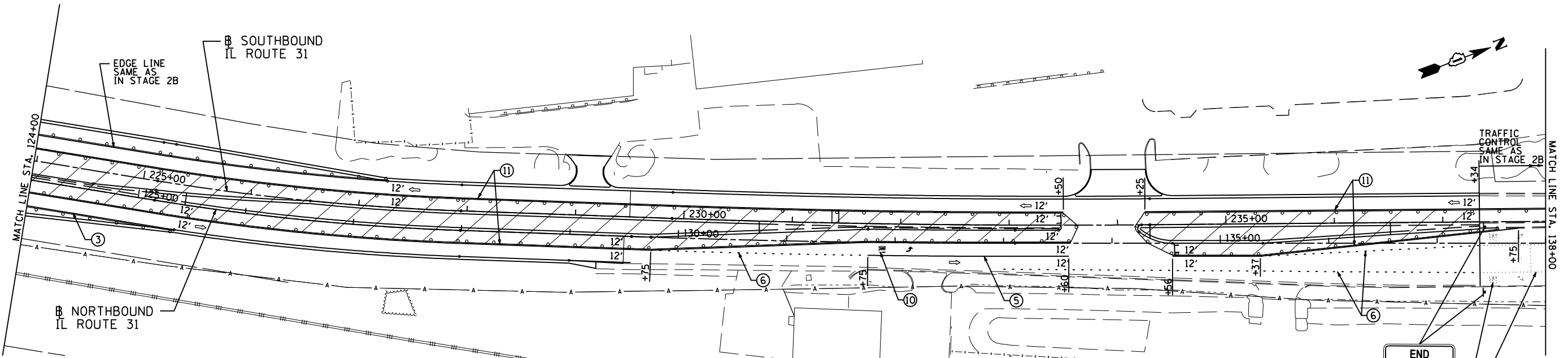
USER NAME	DESIGNED	REVISIONS
1654	JWB	-
	JWB	-
	RS	-
		-

PLOT SCALE	CHECKED	DATE
100.0000' / IN.	RS	06/15/2012

SCALE: 1"=50' SHEET NO. MOT-25 OF 27 STA. 1261+00 TO STA. 1280+93

P:\jobs\2010\201030033\cd\site\vdgn\00\0160133-sht+mot-53-02.dgn
 8/8/2012 2:03:51 PM

STAGE III

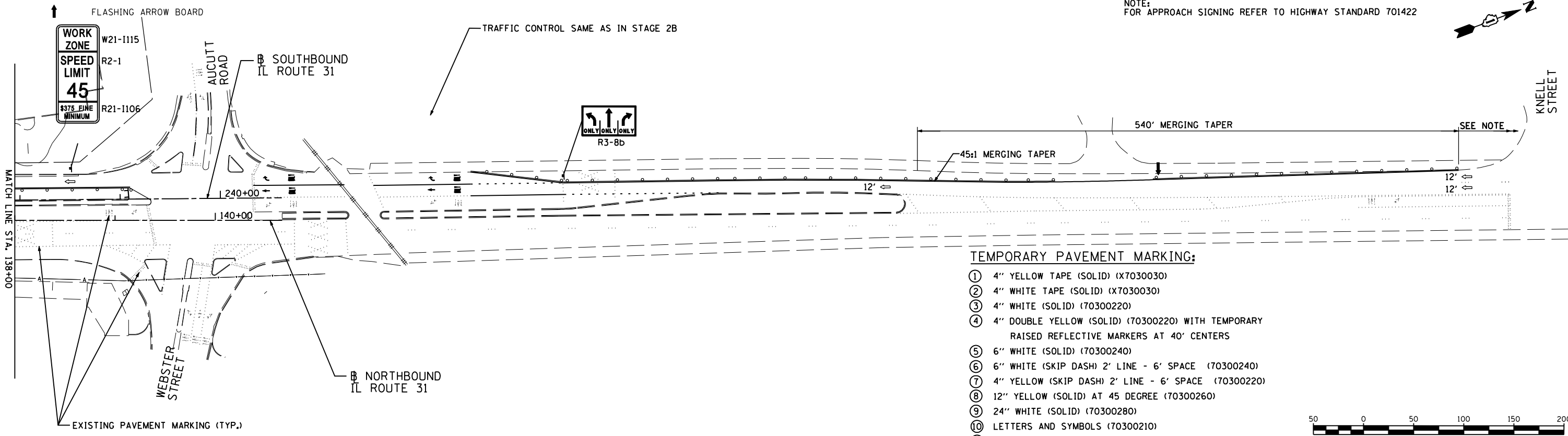


- LEGEND**
- CONSTRUCTION WORK ZONE
 - TEMPORARY PAVEMENT (Z0062456)
 - DIRECTION OF TRAFFIC
 - DRUMS WITH BI-DIRECTIONAL STEADY BURN LIGHTS
 - TYPE III BARRICADE
 - IMPACT ATTENUATOR TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 (Z0030255)
 - TEMPORARY CONCRETE BARRIER (70400100)

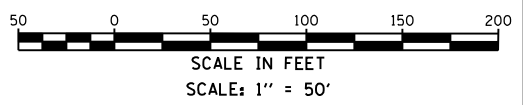
END WORK ZONE SPEED LIMIT
G20-1103

EXISTING PAVEMENT MARKING (TYP.)

NOTE:
FOR APPROACH SIGNING REFER TO HIGHWAY STANDARD 701422



- TEMPORARY PAVEMENT MARKING:**
- ① 4" YELLOW TAPE (SOLID) (X7030030)
 - ② 4" WHITE TAPE (SOLID) (X7030030)
 - ③ 4" WHITE (SOLID) (70300220)
 - ④ 4" DOUBLE YELLOW (SOLID) (70300220) WITH TEMPORARY RAISED REFLECTIVE MARKERS AT 40' CENTERS
 - ⑤ 6" WHITE (SOLID) (70300240)
 - ⑥ 6" WHITE (SKIP DASH) 2' LINE - 6' SPACE (70300240)
 - ⑦ 4" YELLOW (SKIP DASH) 2' LINE - 6' SPACE (70300220)
 - ⑧ 12" YELLOW (SOLID) AT 45 DEGREE (70300260)
 - ⑨ 24" WHITE (SOLID) (70300280)
 - ⑩ LETTERS AND SYMBOLS (70300210)
 - ⑪ 4" YELLOW (SOLID) (70300220)
 - ⑫ 4" WHITE (SKIP DASH) 10' LINE - 30' SPACE (70300220)



P:\Jobs\2010\201030033\cadd\site\vdgn\00\0160133-sht+mot+53-04.dgn
 8/8/2012 2:04:11 PM

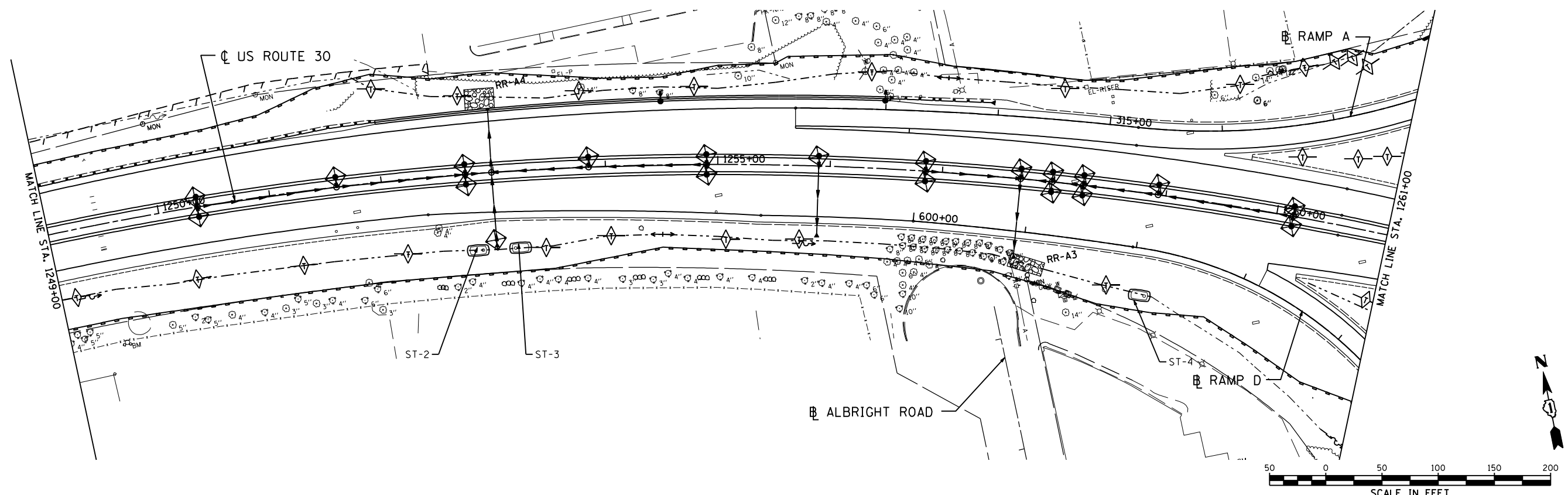
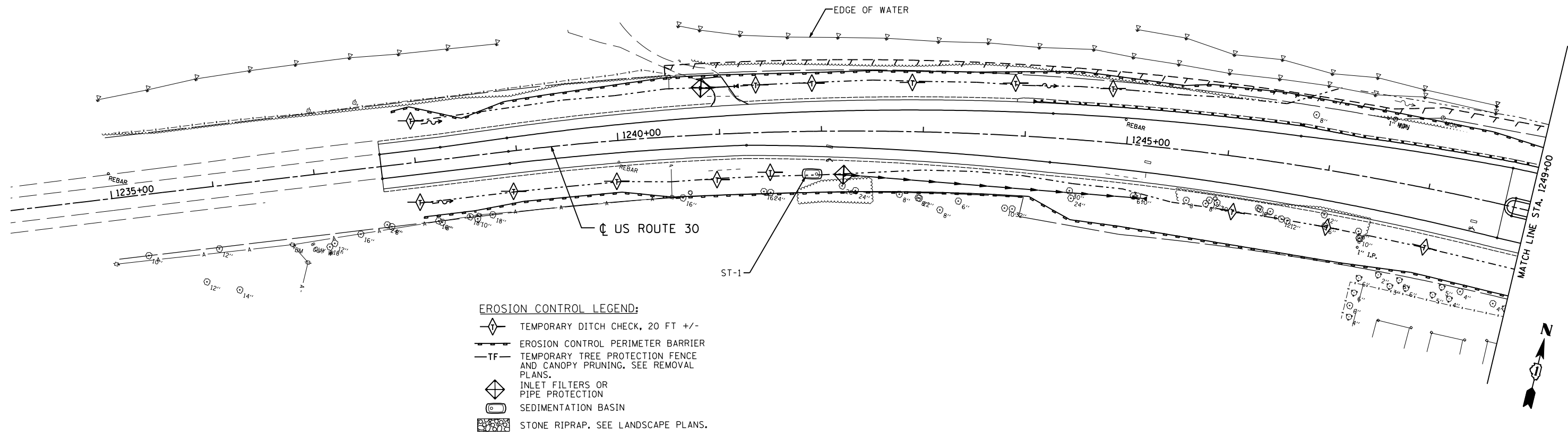
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 8/8/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SUGGESTED STAGING AND TRAFFIC CONTROL - STAGE 3
IL ROUTE 31**

SCALE: 1"=50' SHEET NO. MOT-27 OF 27 STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	114
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



H:\Jobs\2010\20100303\CAD\Site\Site\00\0160133-sht+eros-01.dgn
 6/15/2012 5:47:08 PM

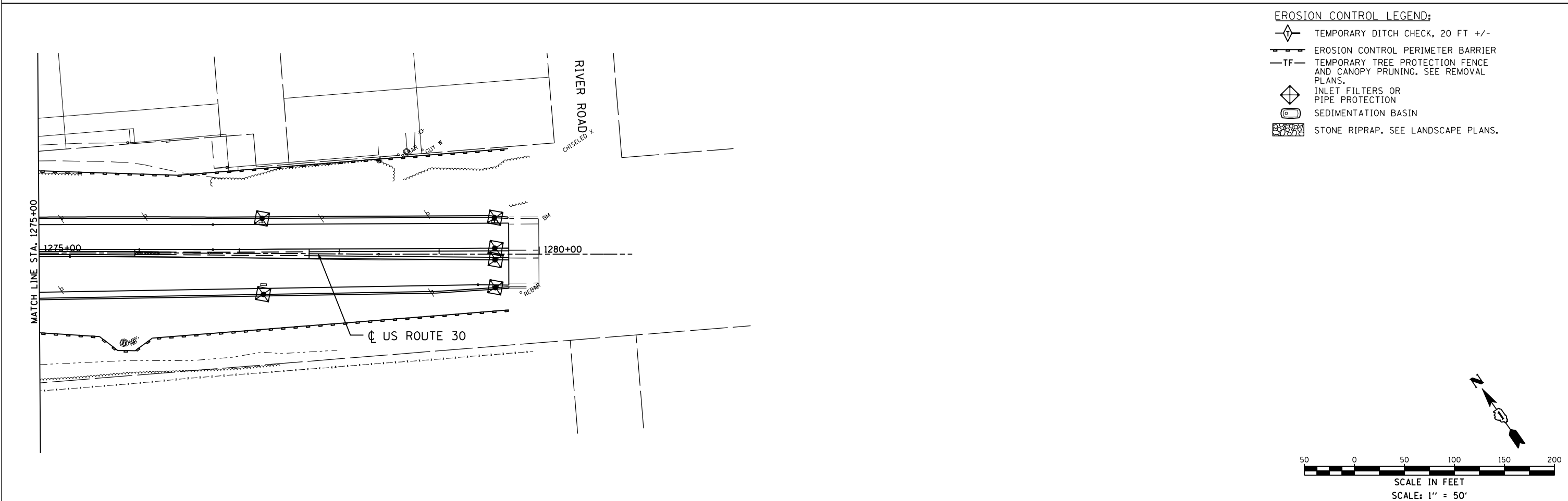
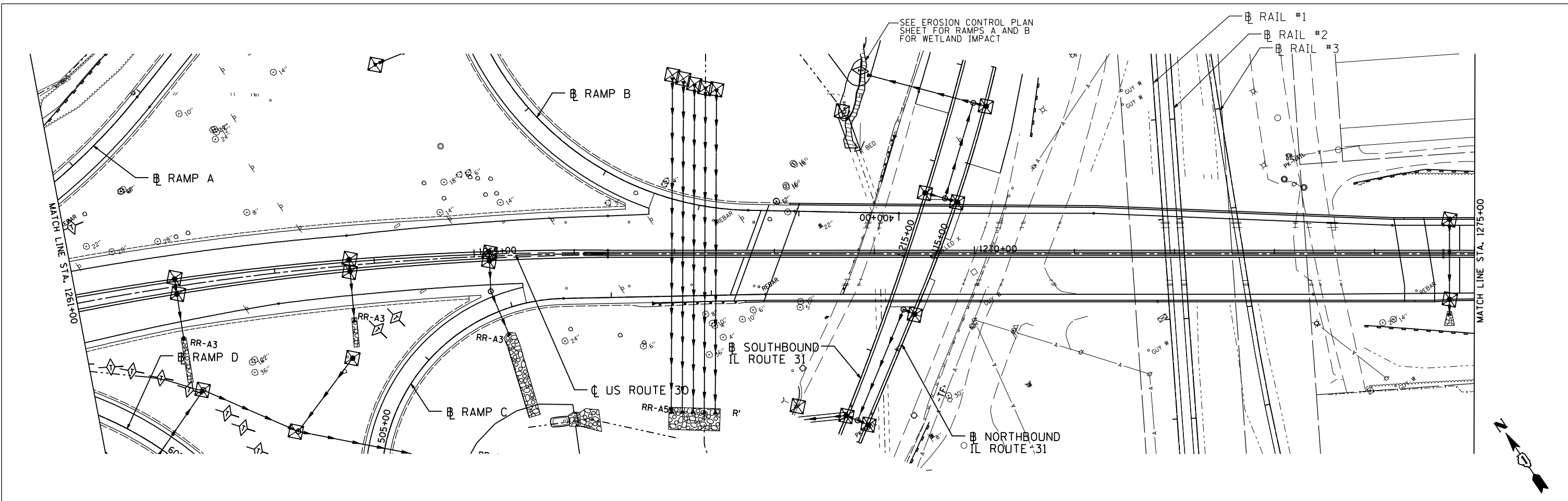
GR&EF
 8501 W. Higgins Road, Suite 280
 Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

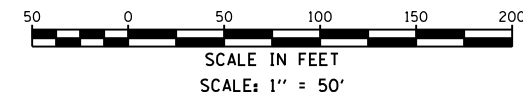
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
EROSION AND SEDIMENT CONTROL PLAN - U.S. ROUTE 30
 SCALE: 1"=50' SHEET NO. -- STA. 1234+00 TO STA. 1261+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	115
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- TEMPORARY DITCH CHECK, 20 FT +/-
 - EROSION CONTROL PERIMETER BARRIER
 - TEMPORARY TREE PROTECTION FENCE AND CANOPY PRUNING. SEE REMOVAL PLANS.
 - INLET FILTERS OR PIPE PROTECTION
 - SEDIMENTATION BASIN
 - STONE RIPRAP. SEE LANDSCAPE PLANS.



P:\Jobs\2010\20103003\cd\site\00\0160133-sht+eros-02.dgn
 6/15/2012 5:47:15 PM

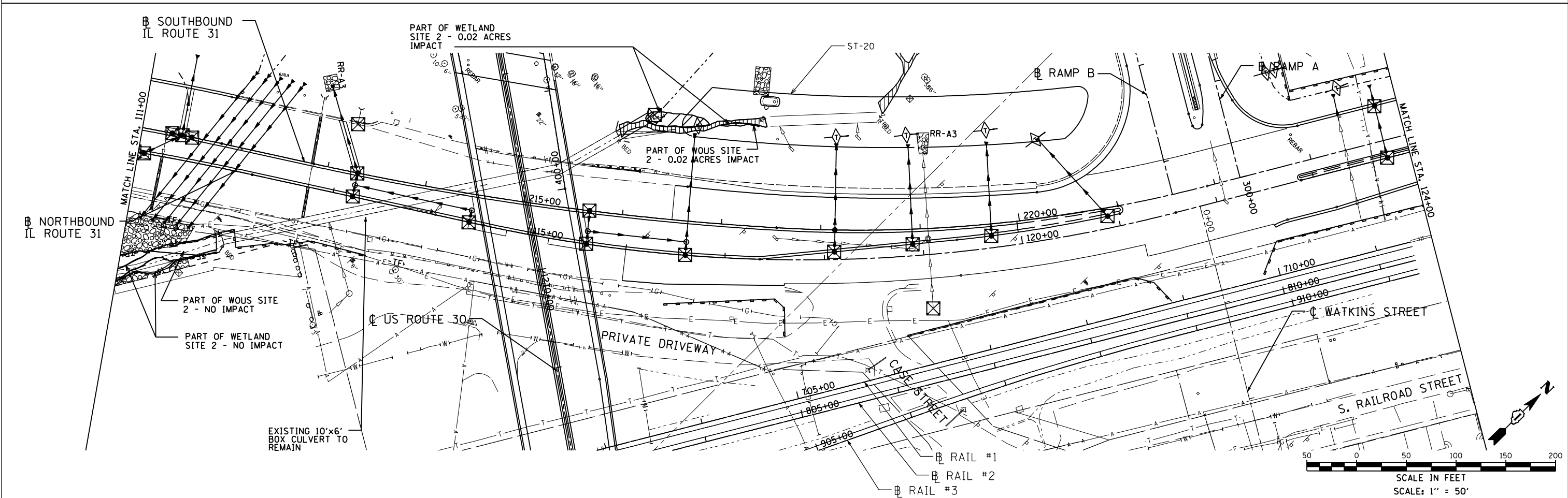
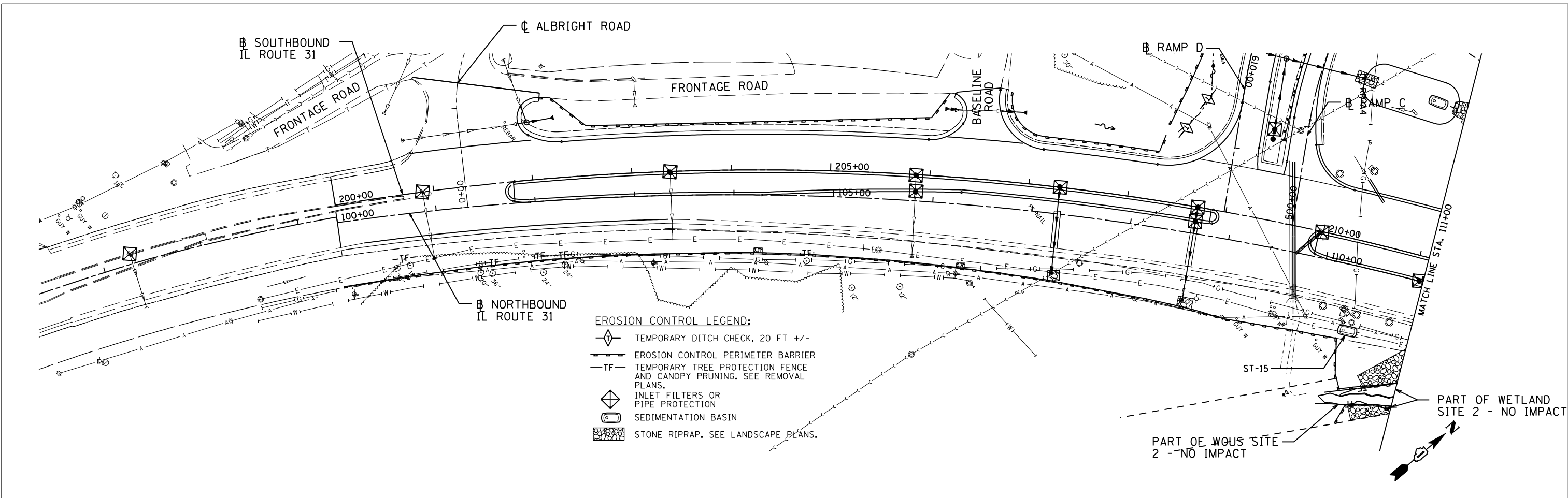
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
EROSION AND SEDIMENT CONTROL PLAN - U.S. ROUTE 30

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	116
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. -- STA. 1261+00 TO STA. 1280+93



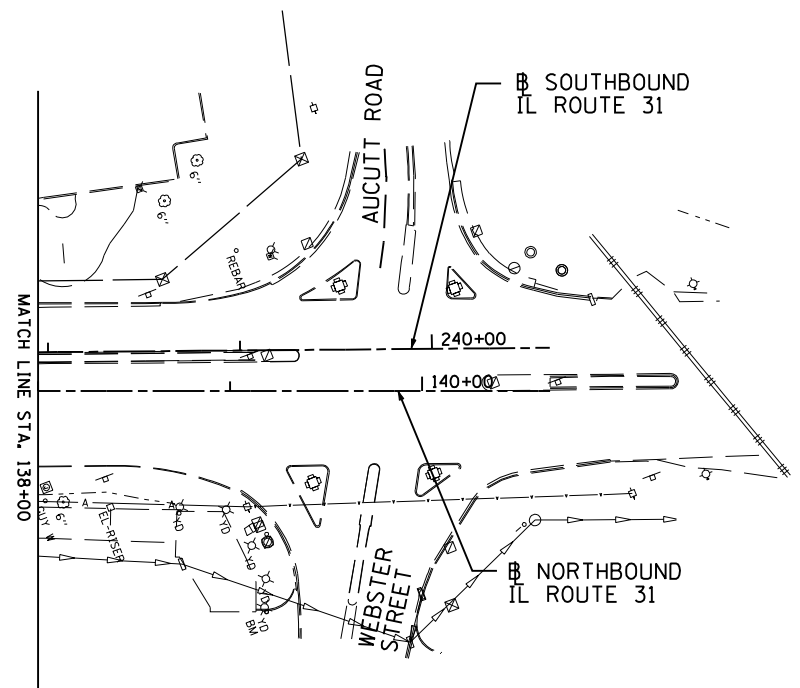
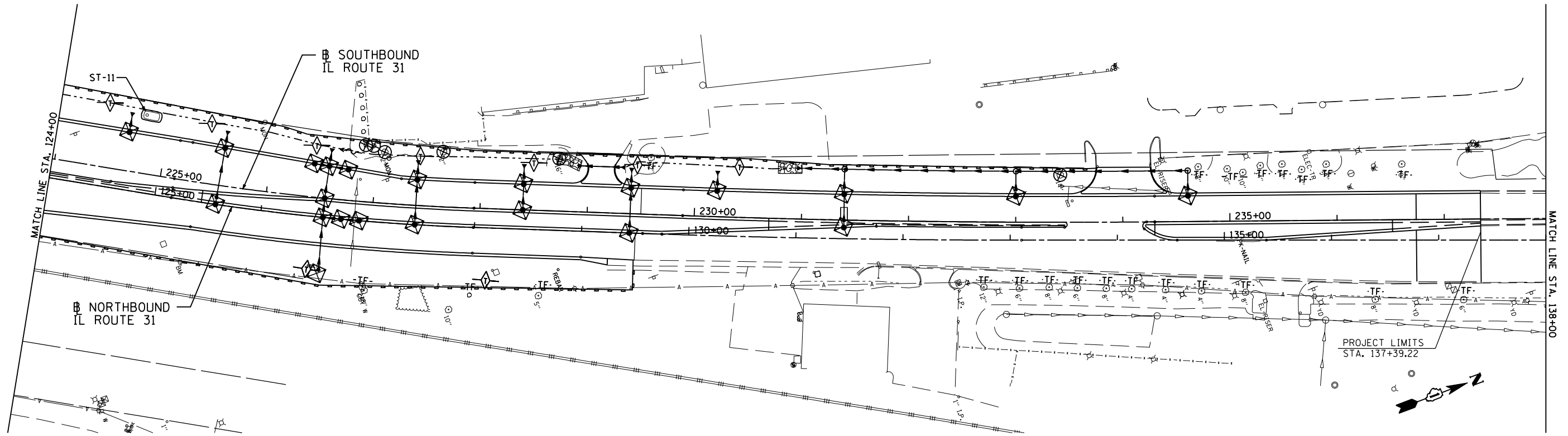
P:\Jobs\2010\201030033\cd\site\vgm\00\0160133-sit+err-03.dgn
 6/15/2012 5:47:23 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

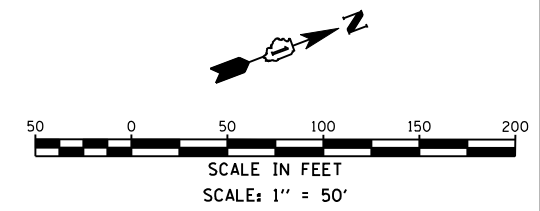
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
EROSION AND SEDIMENT CONTROL PLAN - IL ROUTE 31
 SCALE: 1"=50' SHEET NO. -- STA. 100+00 TO STA. 124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	117
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND:**
- TEMPORARY DITCH CHECK, 20 FT +/-
 - EROSION CONTROL PERIMETER BARRIER
 - TEMPORARY TREE PROTECTION FENCE AND CANOPY PRUNING. SEE REMOVAL PLANS.
 - INLET FILTERS OR PIPE PROTECTION
 - SEDIMENTATION BASIN
 - STONE RIPRAP. SEE LANDSCAPE PLANS.



P:\Jobs\2010\20100303\cd\site\vgd\00\0160133-sit+err-04.dgn
 6/15/2012 5:47:33 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
EROSION AND SEDIMENT CONTROL PLAN - IL RTE 31**

SCALE: 1"=50' SHEET NO. -- STA. 124+00 TO STA. 140+67

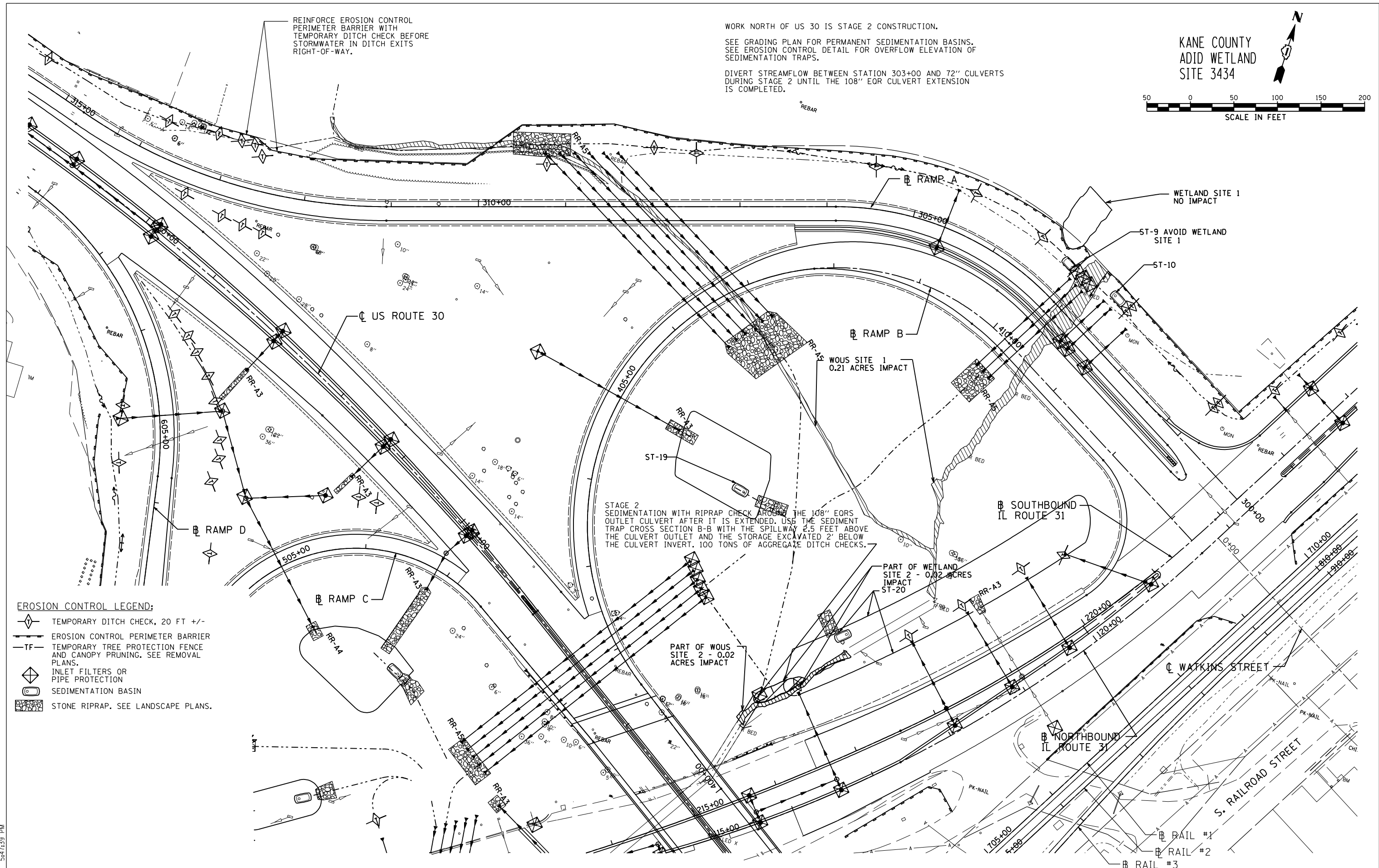
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	118
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

KANE COUNTY
ADID WETLAND
SITE 3434



WORK NORTH OF US 30 IS STAGE 2 CONSTRUCTION.
SEE GRADING PLAN FOR PERMANENT SEDIMENTATION BASINS.
SEE EROSION CONTROL DETAIL FOR OVERFLOW ELEVATION OF
SEDIMENTATION TRAPS.
DIVERT STREAMFLOW BETWEEN STATION 303+00 AND 72" CULVERTS
DURING STAGE 2 UNTIL THE 108" EOR CULVERT EXTENSION
IS COMPLETED.

REINFORCE EROSION CONTROL
PERIMETER BARRIER WITH
TEMPORARY DITCH CHECK BEFORE
STORMWATER IN DITCH EXITS
RIGHT-OF-WAY.



- EROSION CONTROL LEGEND:**
- TEMPORARY DITCH CHECK, 20 FT +/-
 - EROSION CONTROL PERIMETER BARRIER
 - TEMPORARY TREE PROTECTION FENCE AND CANOPY PRUNING. SEE REMOVAL PLANS.
 - INLET FILTERS OR PIPE PROTECTION
 - SEDIMENTATION BASIN
 - STONE RIPRAP. SEE LANDSCAPE PLANS.

STAGE 2
SEDIMENTATION WITH RIPRAP CHECK AROUND THE 108" EORS
OUTLET CULVERT AFTER IT IS EXTENDED. USE THE SEDIMENT
TRAP CROSS SECTION B-B WITH THE SPILLWAY 2.5 FEET ABOVE
THE CULVERT OUTLET AND THE STORAGE EXCAVATED 2' BELOW
THE CULVERT INVERT. 100 TONS OF AGGREGATE DITCH CHECKS.

P:\Jobs\2010\201030033\cadd\site\vdgn\00\0160133-sht+eros-05.dgn
 6/15/2012 5:47:39 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
EROSION AND SEDIMENT CONTROL PLAN - RAMP A AND RAMP B**

SCALE: 1"=50' SHEET NO. --

(RAMP A) STA. 300+00 TO STA. 314+75
(RAMP B) STA. 400+00 TO STA. 413+34

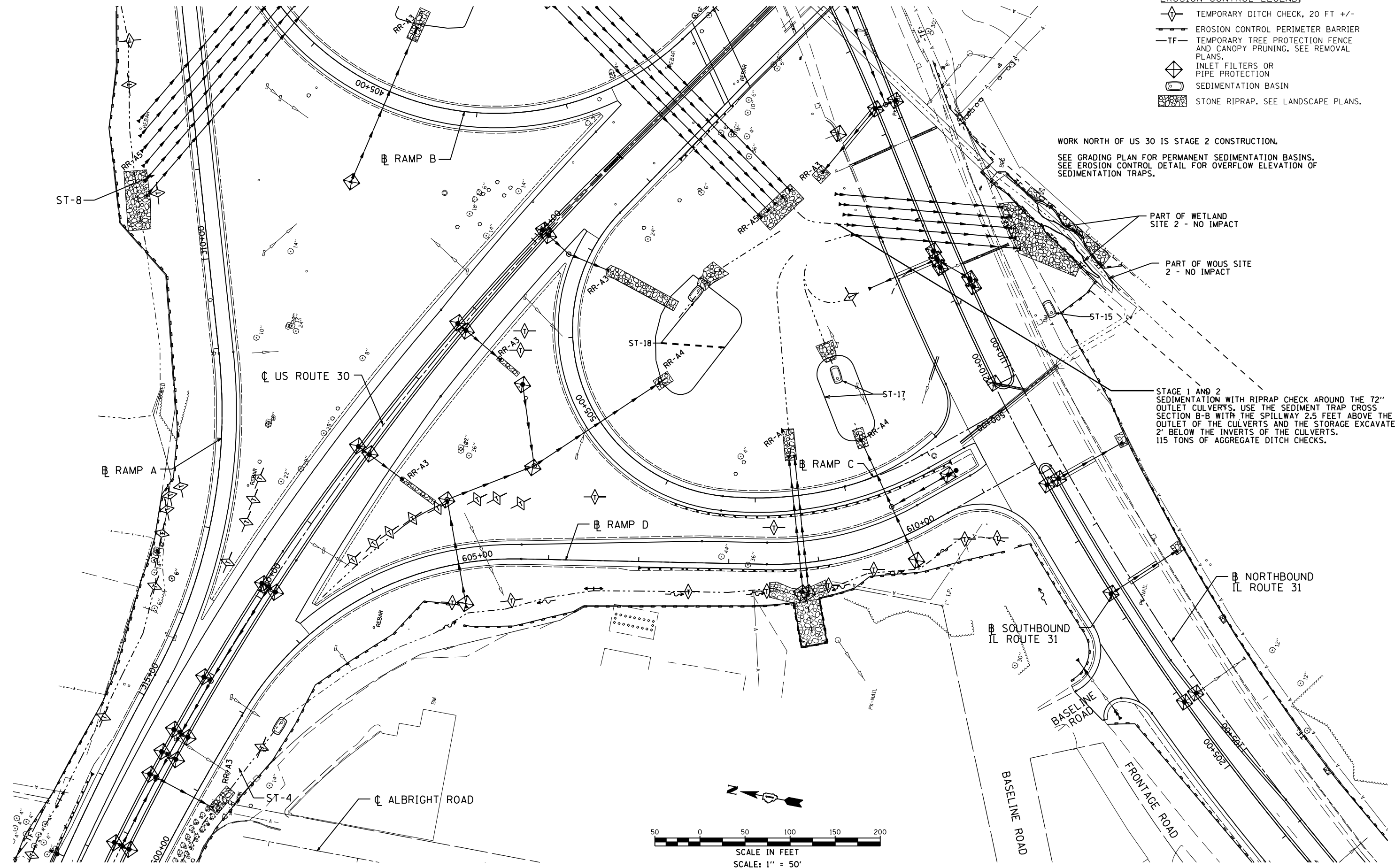
F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 119
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

- EROSION CONTROL LEGEND:**
- TEMPORARY DITCH CHECK, 20 FT +/-
 - EROSION CONTROL PERIMETER BARRIER
 - TEMPORARY TREE PROTECTION FENCE AND CANOPY PRUNING. SEE REMOVAL PLANS.
 - INLET FILTERS OR PIPE PROTECTION
 - SEDIMENTATION BASIN
 - STONE RIPRAP. SEE LANDSCAPE PLANS.

WORK NORTH OF US 30 IS STAGE 2 CONSTRUCTION.
 SEE GRADING PLAN FOR PERMANENT SEDIMENTATION BASINS.
 SEE EROSION CONTROL DETAIL FOR OVERFLOW ELEVATION OF SEDIMENTATION TRAPS.

PART OF WETLAND SITE 2 - NO IMPACT
 PART OF WOUS SITE 2 - NO IMPACT

STAGE 1 AND 2 SEDIMENTATION WITH RIPRAP CHECK AROUND THE 72" OUTLET CULVERTS. USE THE SEDIMENT TRAP CROSS SECTION B-B WITH THE SPILLWAY 2.5 FEET ABOVE THE OUTLET OF THE CULVERTS AND THE STORAGE EXCAVATED 2' BELOW THE INVERTS OF THE CULVERTS. 115 TONS OF AGGREGATE DITCH CHECKS.



P:\Jobs\2010\201030033\cd\site\vgm\00\060133-sht+err+06.dgn
 6/15/2012 5:47:48 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
 EROSION AND SEDIMENT CONTROL PLAN - RAMP C AND RAMP D**

SCALE: 1"=50' SHEET NO. -- (RAMP C) STA. 500+00 TO STA. 507+52 (RAMP D) STA. 600+00 TO STA. 609+96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	120
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL NOTES

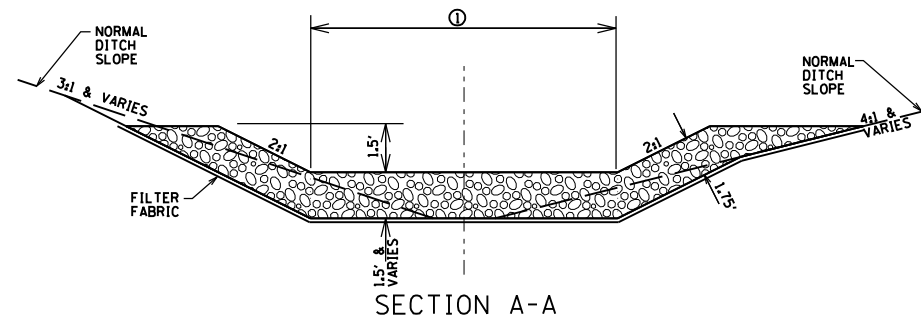
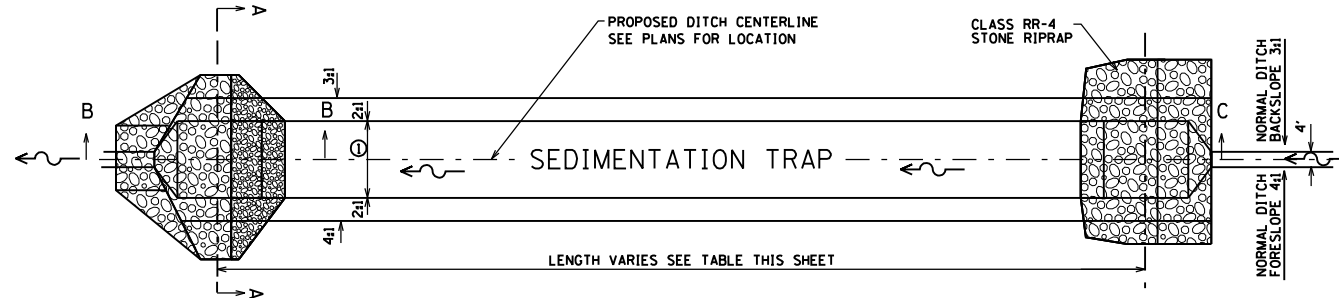
1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. TEMPORARY SEEDING IS PROVIDED FOR ALL DISTURBED AREA THAT IS NOT PAVED OR GRAVELED. THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITHIN 14 DAYS OF INITIAL DISTURBANCE WITH TEMPORARY OR PERMANENT SEEDING.

SEDIMENT TRAP INSPECTION/MAINTENANCE:

1. SEDIMENT TRAPS ARE TO BE INSPECTED BY THE RESIDENT ENGINEER AND CONTRACTOR EVERY 7 CALENDAR DAYS AND AFTER A STORM EVENT OF 0.5" OR GREATER (INCLUDING SNOWFALL) ON A TEMPORARY BASIS. ON A PERMANENT BASIS, TRAPS SHOULD BE CHECKED AT LEAST ONCE EVERY 2 YEARS.
2. THE TRAP SHOULD BE CLEANED OF SILT WHEN THE TRAP BECOMES 50% FILLED. THE MATERIAL REMOVED MUST BE DISPOSED OF IN ACCORDANCE WITH GOOD HOUSEKEEPING PRACTICES, INCORPORATED INTO THE FILL MATERIAL, OR DISPOSED OF IN ACCORDANCE WITH IEPA REGULATIONS.
3. INSPECT THE OUTLET FOR EROSION AND ANY NEEDED STABILIZATION.
4. INSPECT THE OUTLET FOR ANY SEDIMENT DISCHARGE AND DISCOLORED WATER.
5. IF SEDIMENT IS DISCHARGED OR OTHER POLLUTANTS ARE IDENTIFIED AT THE DISCHARGE POINT, OTHER BMPS, SUCH AS SAND FILTERS, MAY BE REQUIRED TO FILTER POLLUTANTS.
6. NOTE THAT THE FIRST DITCH CHECK IS PRIMARILY USED TO SLOW THE WATER, WHILE THE SECOND IS PRIMARILY USED TO CATCH REMAINING SEDIMENT. INSPECTION OF THE FIRST DITCH CHECK, THEREFORE, IS PRIMARILY A STRUCTURAL INSPECTION, WHILE THE SECOND IS PRIMARILY A CHECK FOR SEDIMENT CLOGGING.

The drainage structure inlet filter assembly bag shall be constructed of polypropylene geotextile fabric with a minimum weight of 4 ounces per square yard, minimum flow rate of 145 gallons per minute per square foot, and designed for minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with an outer layer of polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from the steel frame with a stainless steel band and locking cap. The inlet filter assembly frame shall not cause the drainage structure grate to extend higher than 1/8-inch above the drainage structure frame.

BASIS OF PAYMENT: The work will be paid for at the contract unit price per EACH for INLET FILTER, which price shall include all cost of labor, materials, equipment, and incidental items necessary to perform the work.

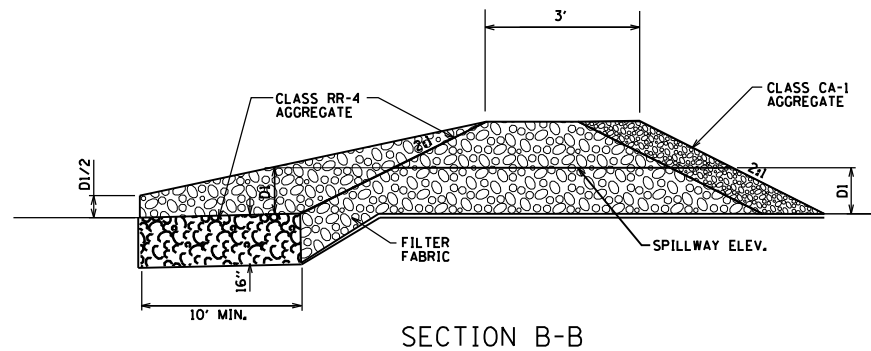


① SEE CROSS SECTION FOR WIDTH AND INVERT ELEVATION

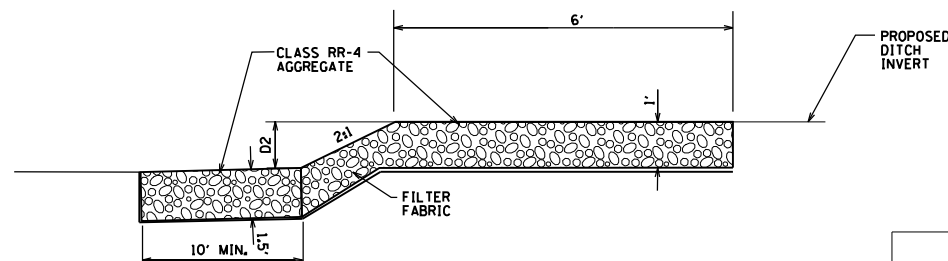
THE UNIT WEIGHT USED TO CALCULATE RR-4 STONE IS 110 LBS/CU FT.

THE UNIT WEIGHT USED TO CALCULATE CA-2 AGGREGATE IS 125 LBS/CU FT.

THE DITCH CHECKS SECTION B-B AND C-C WILL BE PAID FOR AS AGGREGATE DITCH CHECKS IN TONS AND FILTER FABRIC IN SQ. YDS.



SECTION B-B



SECTION C-C

SEDIMENT TRAP NO.	LOCATION		LENGTH (FT)	WIDTH ①	DEPTH (FT)		SPILLWAY		
	FROM	TO			D1	D2	ELEV.	WIDTH (FT)	
ST-1	1240+20	1242+20	RT	200	varies	2.0	2.0	654.66	8
ST-2	1250+00	1252+85	RT	300	varies	2.0	2.4	648.70	10
ST-3	1253+15	1253+50	RT	50	varies	2.0	2.0	648.00	9.5
ST-4	1258+00	1259+00	RT	100	18'	2.0	1.1	646.89	18
ST-9	303+25	304+25	RT	100	10'	2.3	1.2	634.20	10
ST-10	300+50	302+00	RT	150	varies	2.0	1.8	634.20	24
ST-11	124+75	126+05	LT	130	varies	2.0	1.0	636.10	10
ST-15	108+70	110+70	RT	200	varies	1.0	1.6	634.80	4
ST-17	SEE GRADING PLAN					2.0	0.0	633.00	-
ST-18	SEE GRADING PLAN					2.0	0.0	633.00	-
ST-19	SEE GRADING PLAN					3.0	0.0	633.00	-
ST-20	SEE GRADING PLAN					2.0	0.0	631.00	-

FROM	TO	20101000	28000250	28000305	28000315	28000400	28000500	28000510	28100105	28100107	28100109	28200200	
		TEMPORARY FENCE	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECK	AGGREGATE DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	STONE RIPRAP, CLASS A5	FILTER FABRIC	
		FOOT	POUND	FOOT	TON	FOOT	EACH	EACH	SQ YD	SQ YD	SQ YD	SQ YD	
STATION	STATION	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
ILLINOIS 31													
100+00	109+00	0	0	0	45	0	120	0	0	0	1580	0	0
109+00	122+00	390	0	0	19	0	100	0	72.4	0	1000	0	0
122+00	235+00	0	0	0	104	0	200	0	74.5	0	1950	0	0
US 30 AND RAMPS													
1237+75	1261+00	0	110	168	146	480	480	294.6	0	2200	2350	2	1
1261+00	1280+00	0	45	196	763	200	200	277.9	520.1	1385	1900	0	5
SUB TOTAL		390	155	364	1,077	680	1,100	573	667	3,585	8,780	2	6
TOTAL		545		1,441		1,780		1,240		12,365		8	73

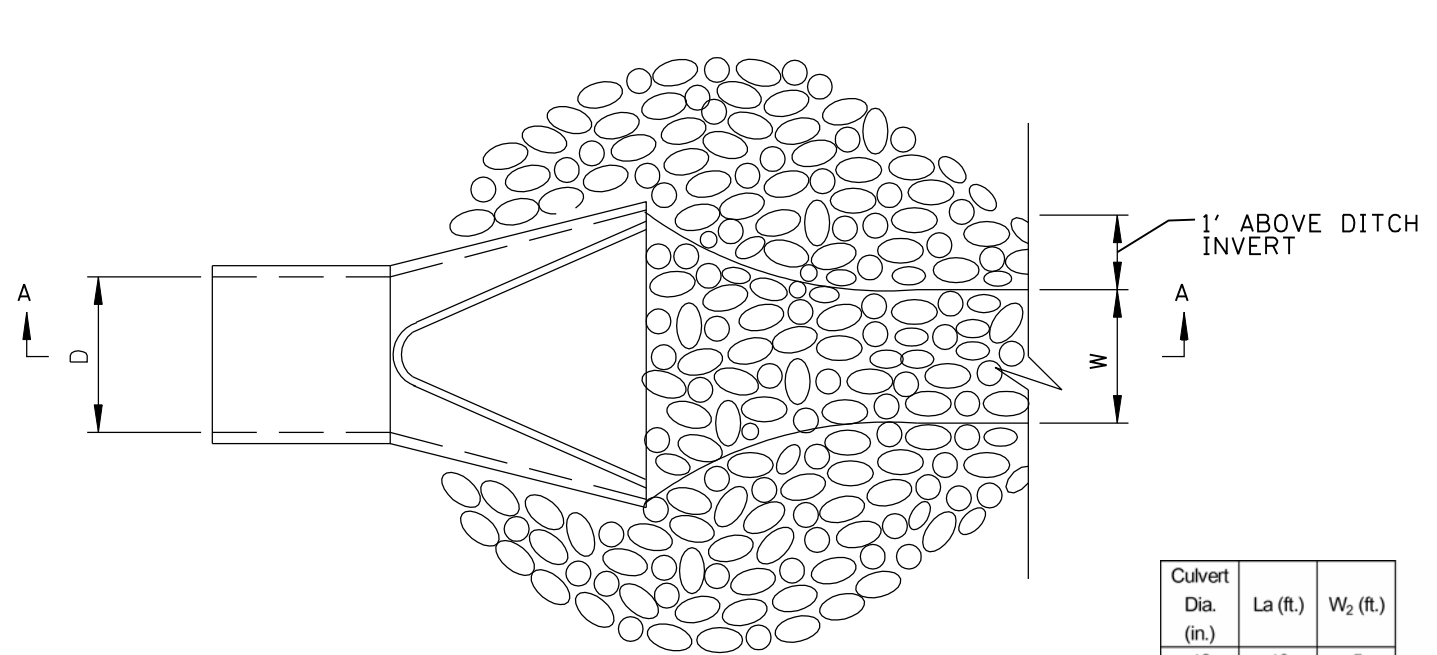
H:\Jobs\2010\20103003\CAD\Site\erodgn\00\0160133-sht+erod-Detail-01.dgn 6/15/2012 5:53:45 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 25.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

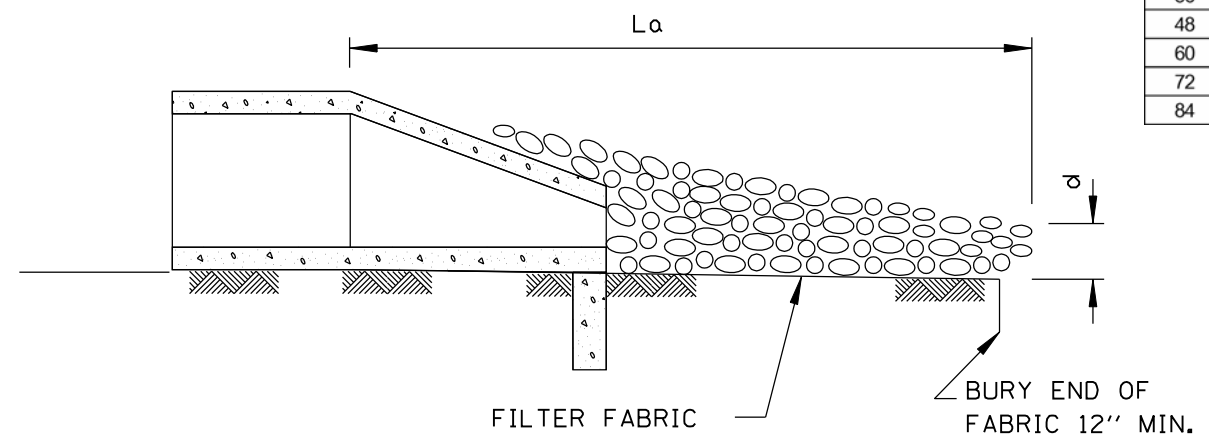
**U.S. ROUTE 30 AT IL ROUTE 31
EROSION CONTROL DETAILS AND NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	121
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



PLAN

Culvert Dia. (in.)	La (ft.)	W ₂ (ft.)
12	10	5
18	14	7
24	16	8
30	18	10
36	20	11
48	24	14
60	32	18
72	40	22
84	50	27

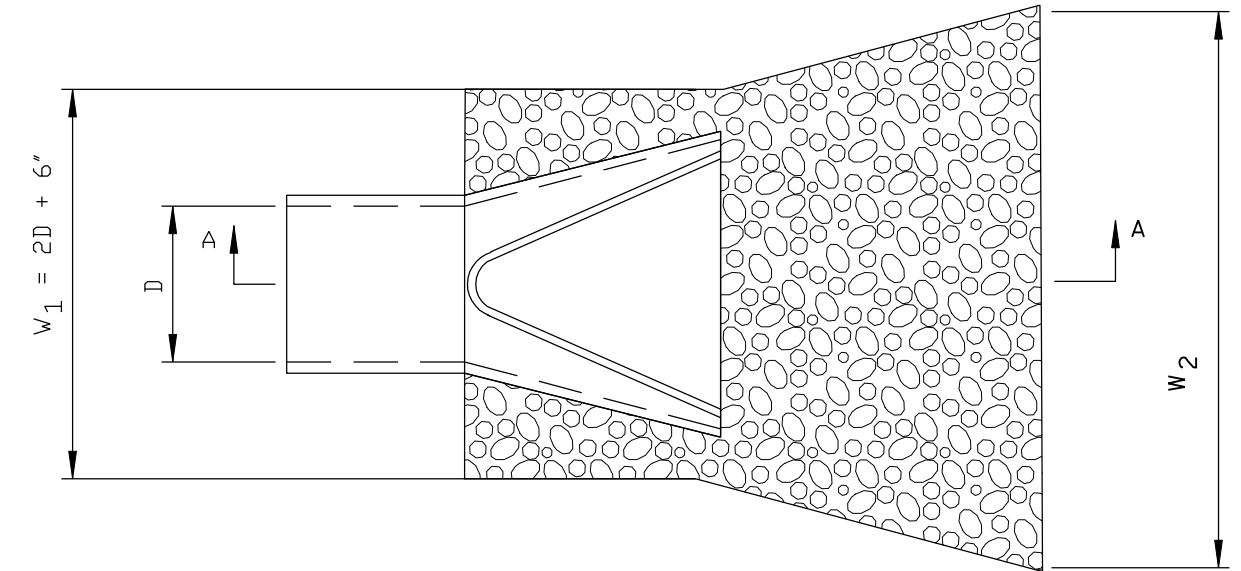


SECTION A-A

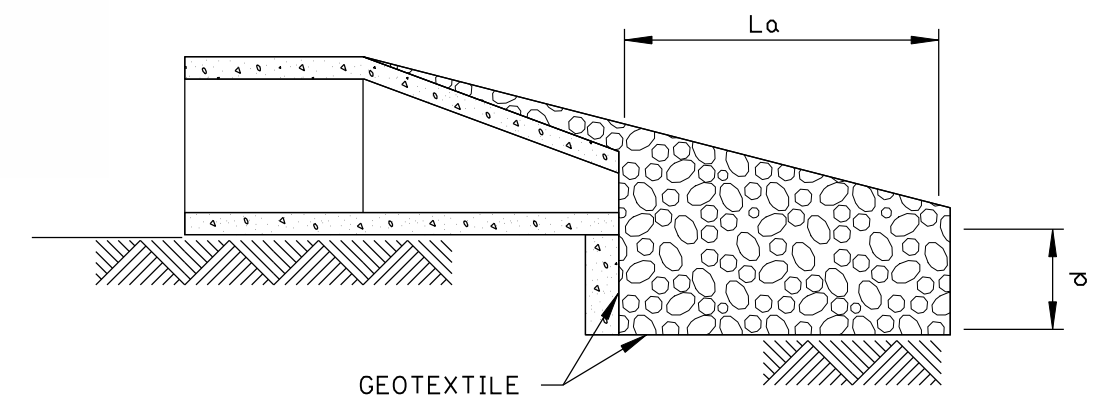
W = DITCH BOTTOM WIDTH

NOTE:
THE ROCK RIPRAP SHALL BE STONE RIPRAP, CLASS A3, A4, OR A5.
SEE LANDSCAPE PLANS

PIPE OUTLET TO CHANNEL



PLAN



SECTION A-A

d = DEPTH IN SECTION 281 OF STANDARD SPECIFICATIONS

NOTE:
THE ROCK RIPRAP SHALL BE STONE RIPRAP, CLASS A3, A4, OR A5.
SEE LANDSCAPE PLANS

PIPE OUTLET TO FLAT AREA

5/15/2012 11:40:34 PM

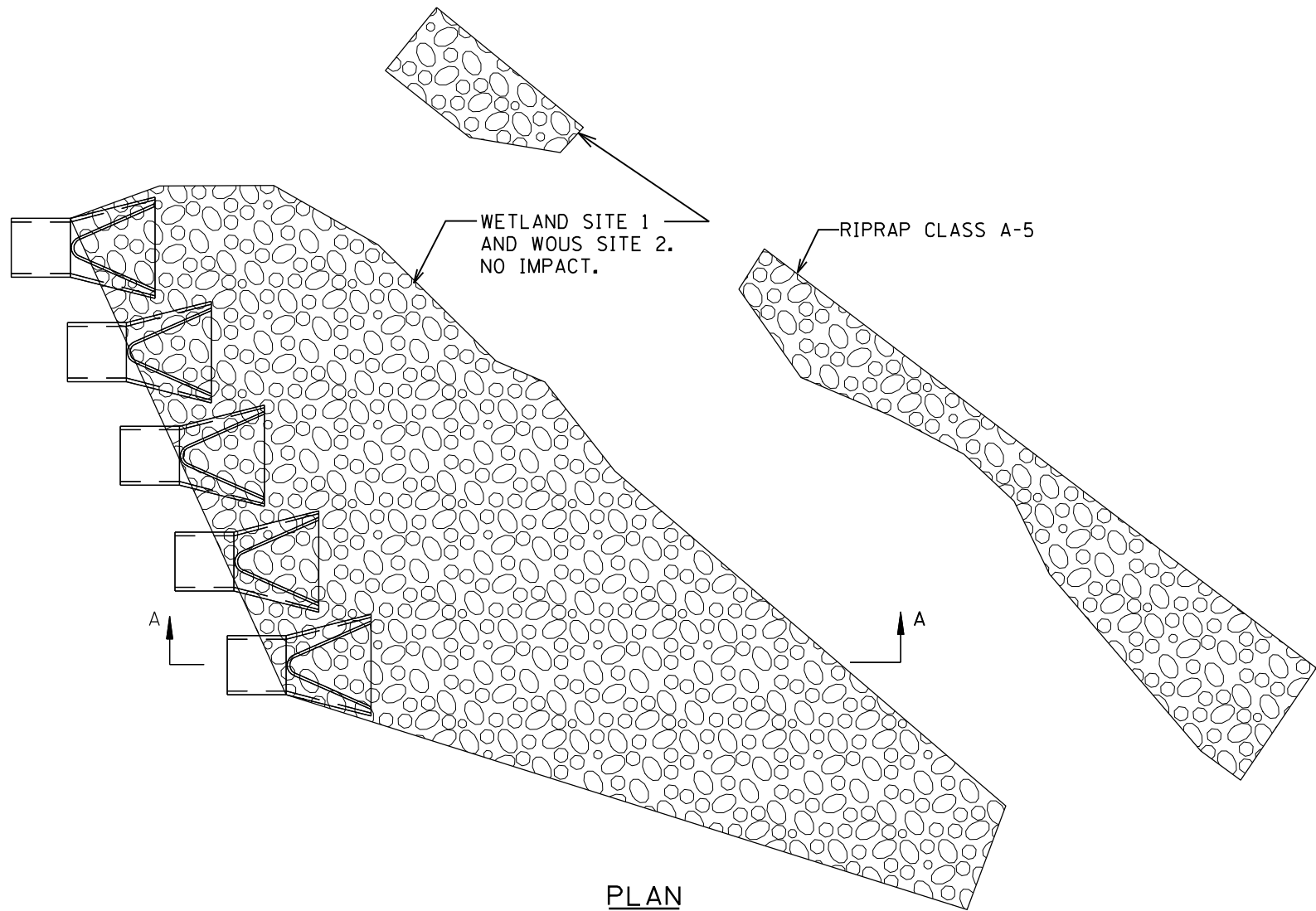
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 3.3334' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/15/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

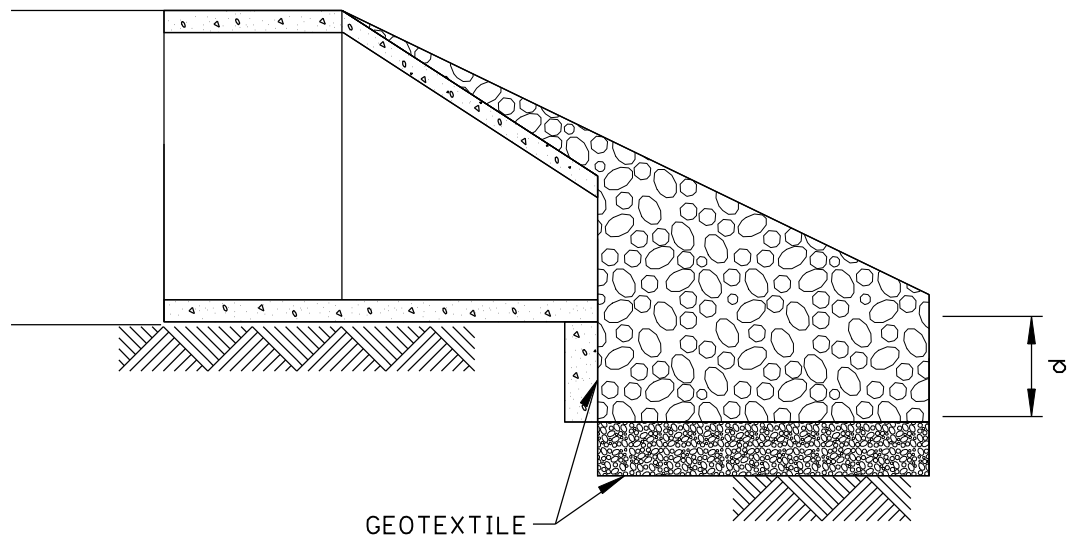
**U.S. ROUTE 30 AT IL ROUTE 31
EROSION CONTROL DETAILS**
SCALE: N.T.S.

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 122
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

NOTE:
 THE ROCK RIPRAP SHALL BE STONE RIPRAP, CLASS A5 AS CALLED OUT ON THE LANDSCAPE PLAN SHEETS.



PLAN



SECTION A-A

d = DEPTH IN SECTION 281 OF STANDARD SPECIFICATIONS

PIPE OUTLET STA. 110+58 TO 111+70 RIGHT

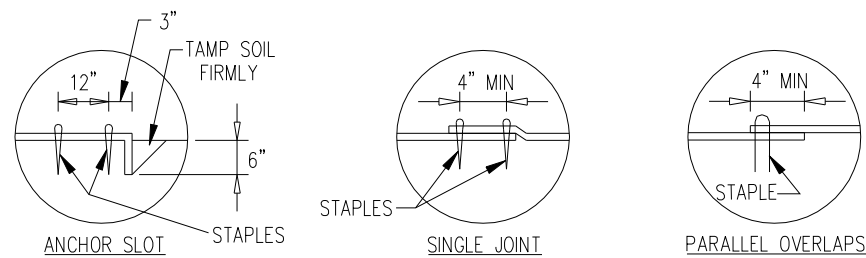
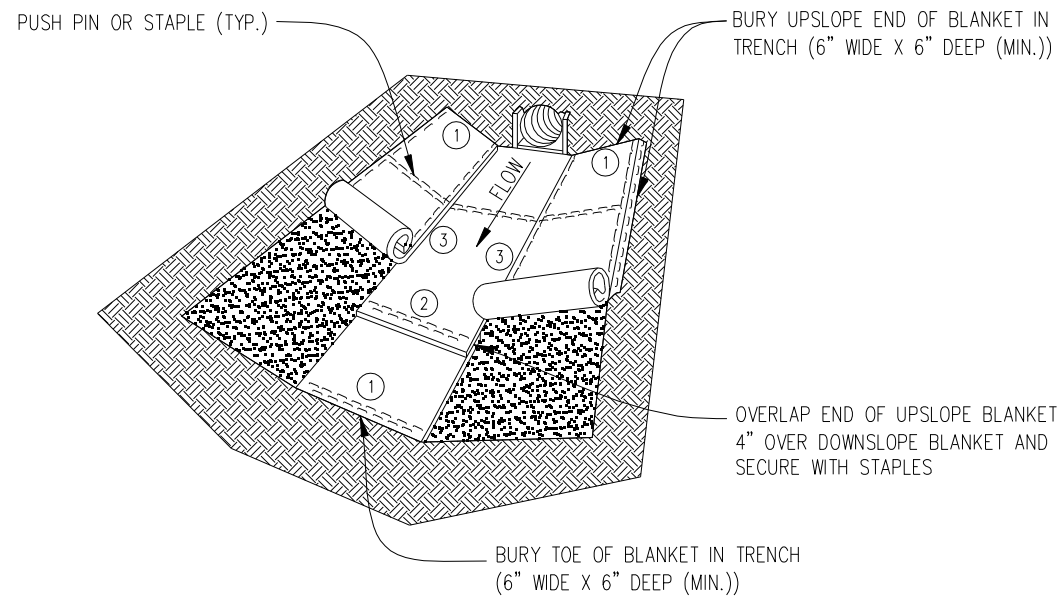
H:\Jobs\2010\20103003\CAD\Site\Site\eros-dgn\00\0160133-sht-eros-Detail-03.dgn
 6/15/2012 5:54:17 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 3.3334' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
 EROSION CONTROL DETAILS**
 SCALE: N.T.S.

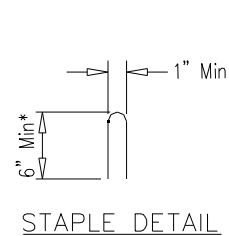
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	123
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



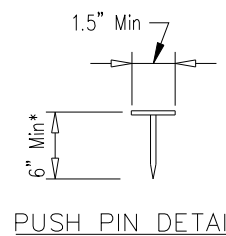
DETAIL 1

DETAIL 2

DETAIL 3

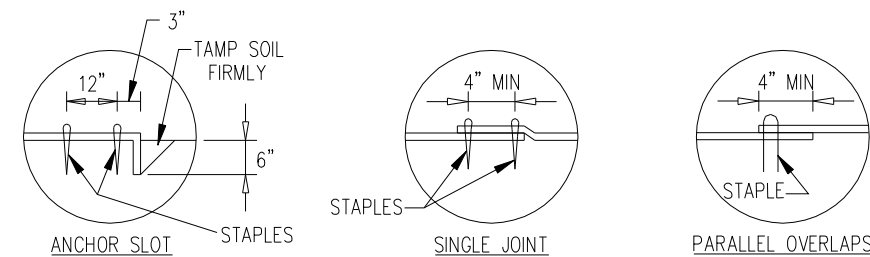
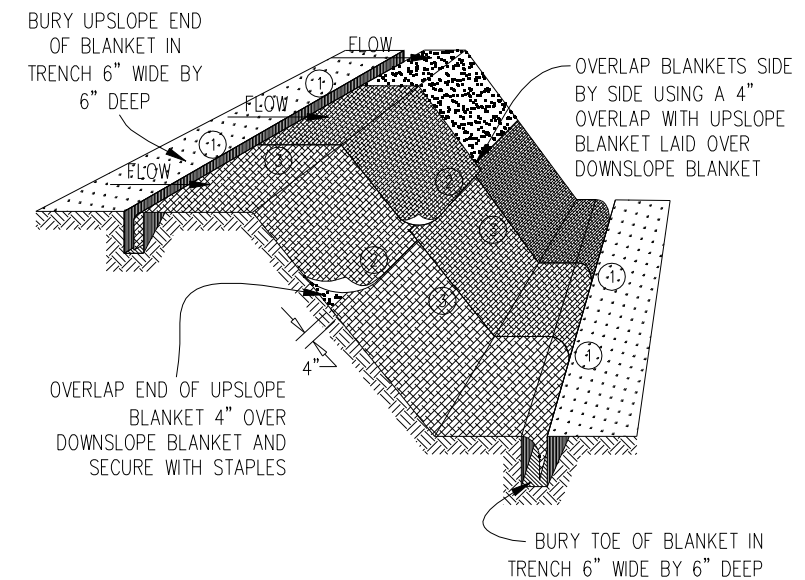


STAPLE DETAIL



PUSH PIN DETAIL

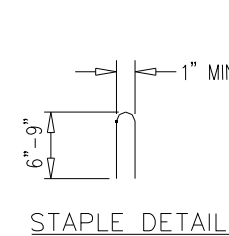
*NOTE:
1. FOR SANDY SOIL CONDITIONS, STAPLE OR PUSH PIN SHALL BE A MINIMUM 8 INCHES.



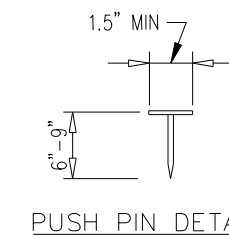
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STITCHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STITCHED BLANKET PER 100 S.Y. OF MATERIAL.
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

EROSION CONTROL BLANKET
TURF REINFORCEMENT MAT

EROSION CONTROL BLANKET
INSTALLATION DETAILS

5/15/2012 5:00:16 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 3.3334' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

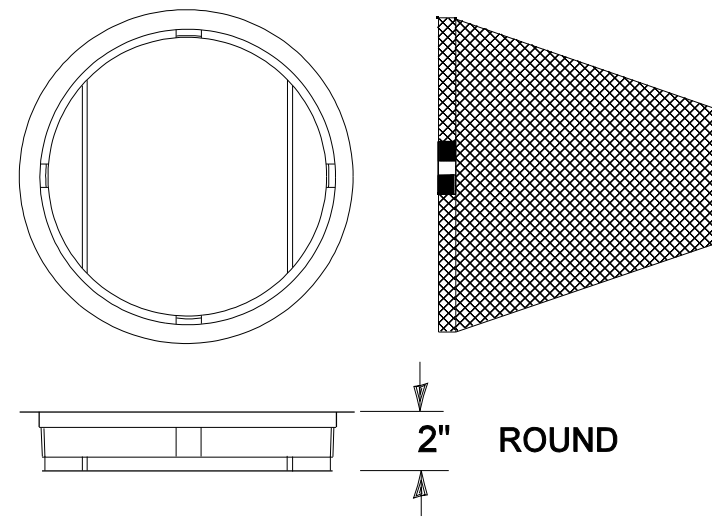
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
EROSION CONTROL DETAILS

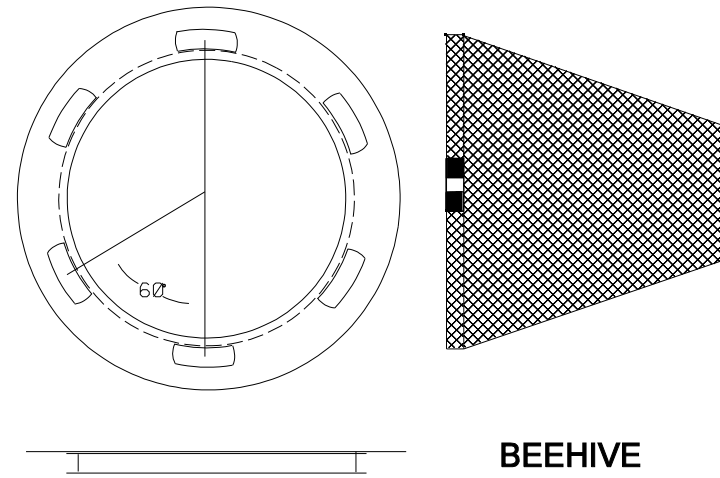
SCALE: N.T.S.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	124
* KANE AND KENDALL			CONTRACT NO. 60133	

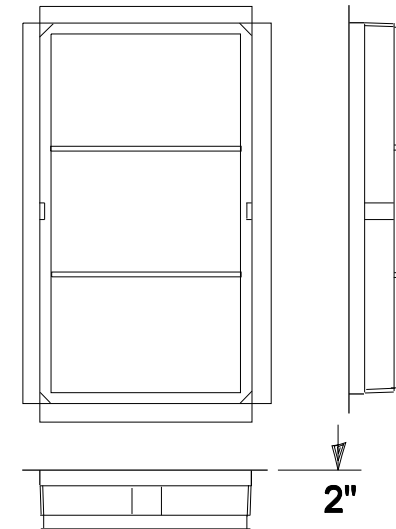
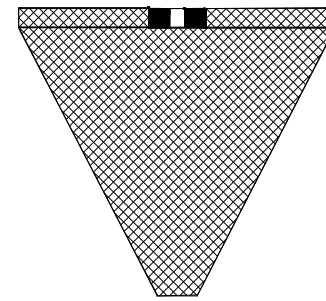
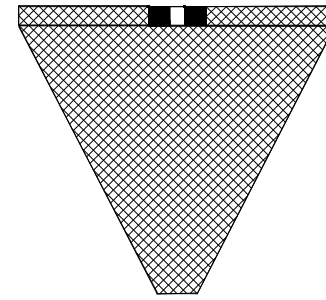
ILLINOIS FED. AID PROJECT



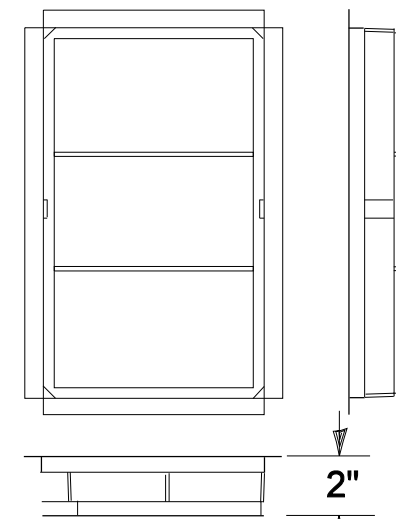
2" ROUND



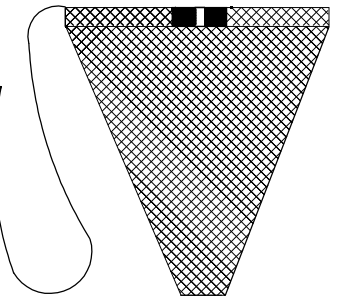
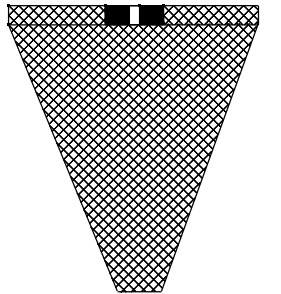
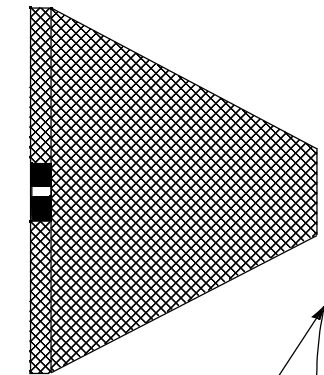
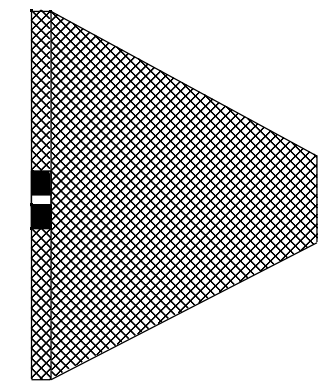
BEEHIVE



2" RECTANGULAR



2"



FABRIC FLAP TO COVER CURB BOX
CURB BOX

INLET AND PIPE PROTECTION

DESCRIPTION: This work shall consist of furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface storm water runoff at locations shown on the plans or as directed by the Engineer.

The Contractor shall inspect the worksite and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

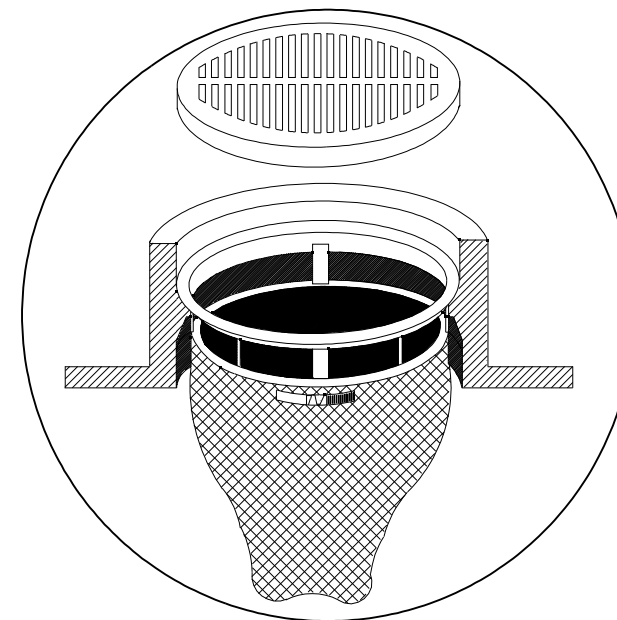
The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal. Periodic cleaning of the filter is paid for separately.

MATERIALS: The drainage structure inlet shall be the (INLET AND PIPE PROTECTION), as furnished by Marathon Materials, Inc. 25523 W. Shultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detailed drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly shall consist of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and used steel frame in good condition, meeting the approval of the Engineer, may be substituted for new materials.

The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of ASTM-A36. The frame shall include an overflow feature that is welded to the frame's ring. The overflow feature shall be designed to allow full flow of water into the structure if the filter bag is filled with sediment. The dimensions of the assembly frame shall allow the drainage structure grate to fit into the inlet filter assembly frame opening. The assembly frame shall rest on the inside lip of the drainage structure frame for the full variety of existing and proposed drainage structure frames that are present on this contract.



INLET FILTERS

5/16/2012 4:46:59 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 22.8571' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
EROSION CONTROL DETAILS AND NOTES**






F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	125
* KANE AND KENDALL			CONTRACT NO. 60133	

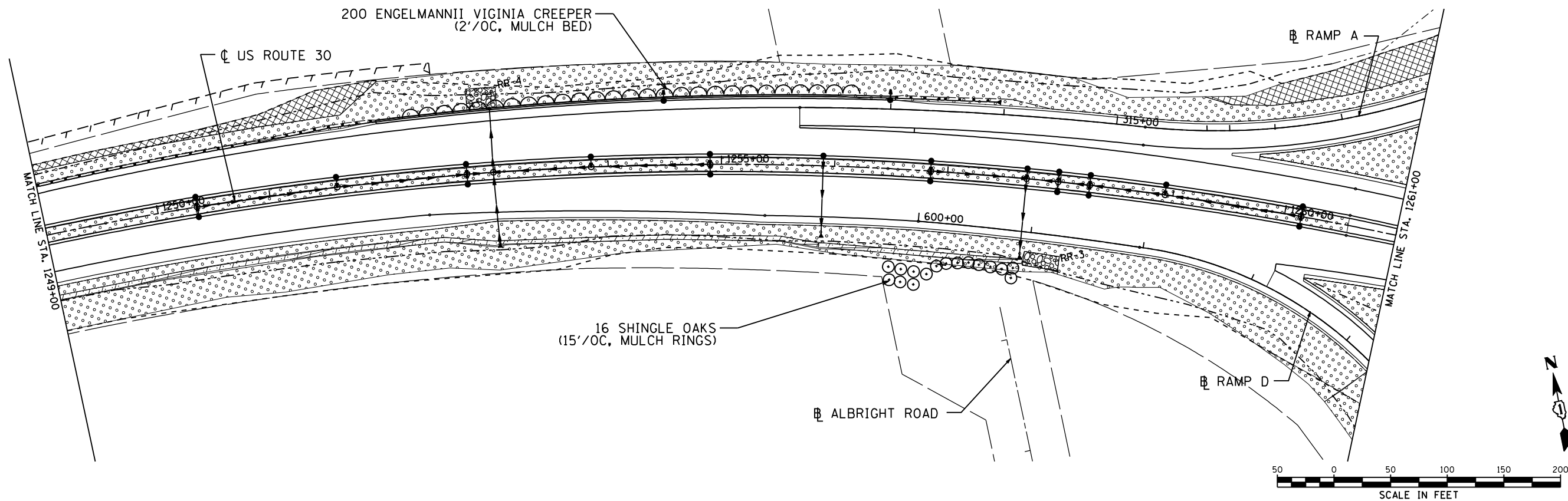
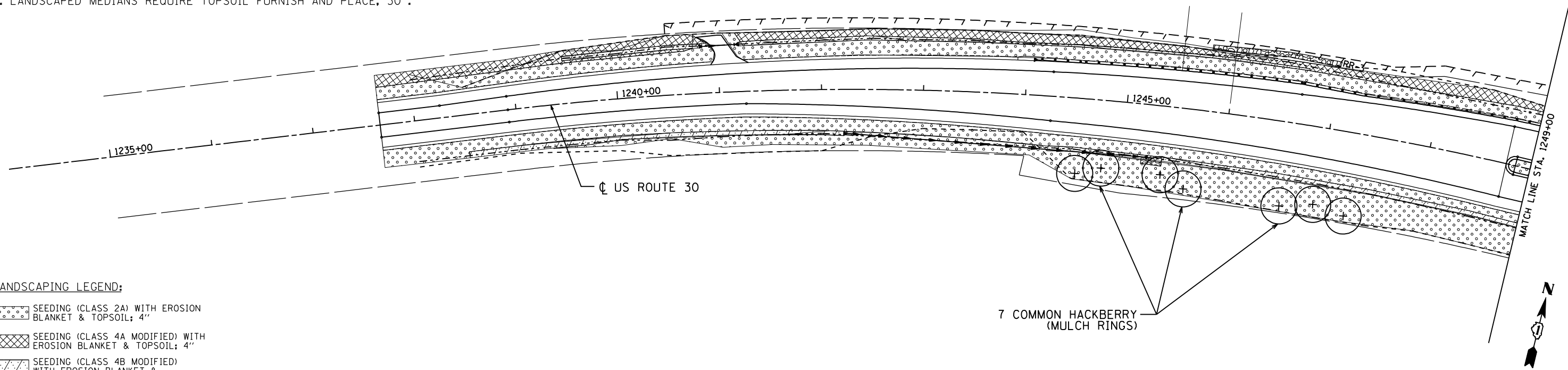
ILLINOIS FED. AID PROJECT

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED) AND 4B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. LANDSCAPED MEDIANS REQUIRE TOPSOIL FURNISH AND PLACE, 30".

LANDSCAPING LEGEND:

-  SEEDING (CLASS 2A) WITH EROSION BLANKET & TOPSOIL; 4"
-  SEEDING (CLASS 4A MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
-  SEEDING (CLASS 4B MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
-  SODDING, SALT TOLERANT
-  STONE RIPRAP, CLASS A5



5/16/2012 12:01:22 AM

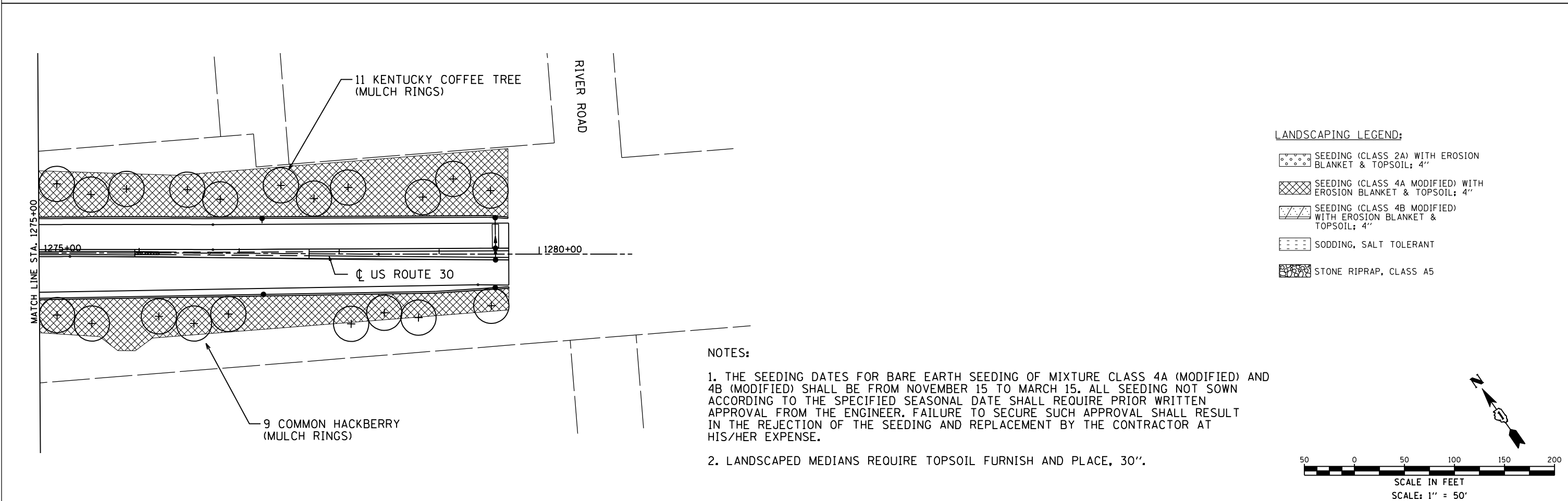
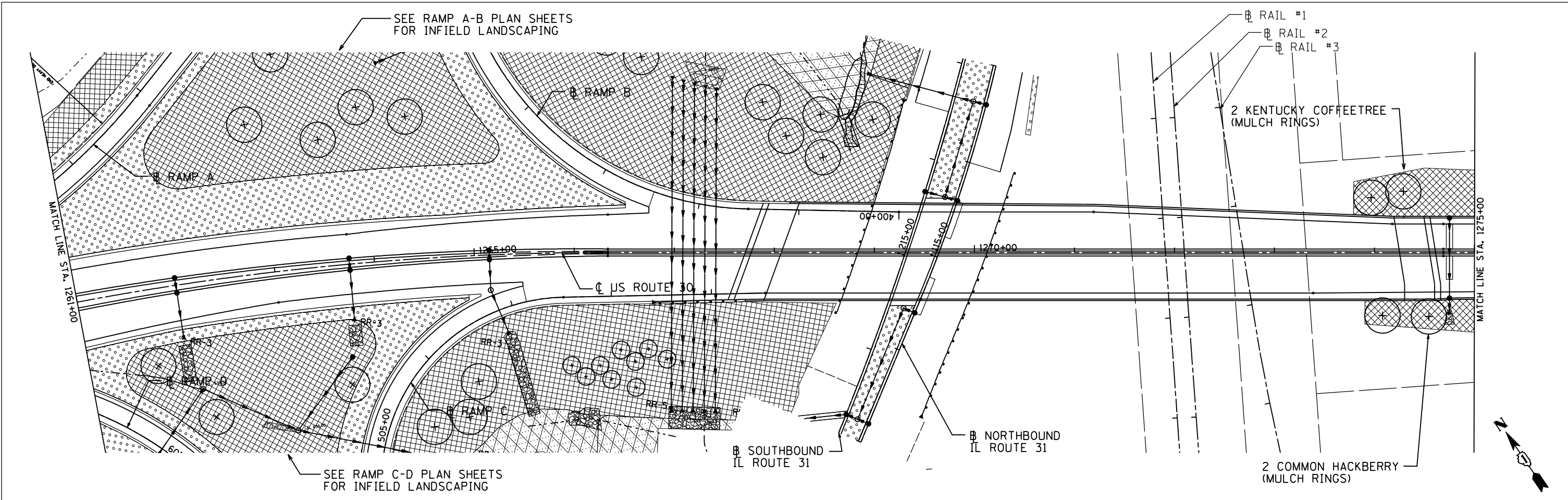
GR&EF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 30 AT IL ROUTE 31 LANDSCAPING PLAN - U.S. ROUTE 30		
SCALE: 1"=50'	SHEET NO. --	STA. 1234+00 TO STA. 1261+00

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 126
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



\$FILE# 5/16/2012 12:03:34 AM

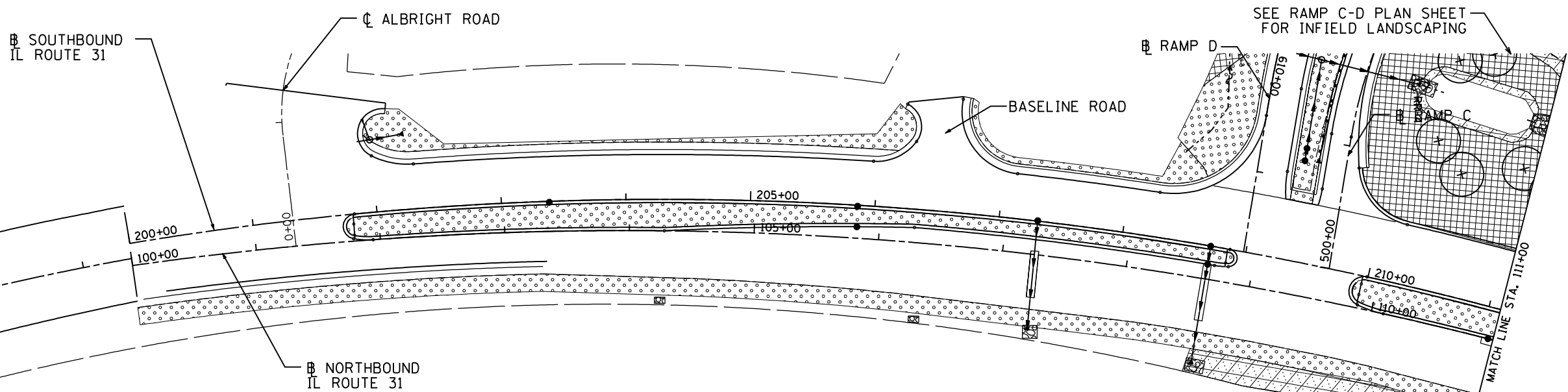
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
LANDSCAPING PLAN - U.S. ROUTE 30**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	127
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. -- STA. 1261+00 TO STA. 1280+93



NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED) AND 4B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. LANDSCAPED MEDIANS REQUIRE TOPSOIL FURNISH AND PLACE, 30".

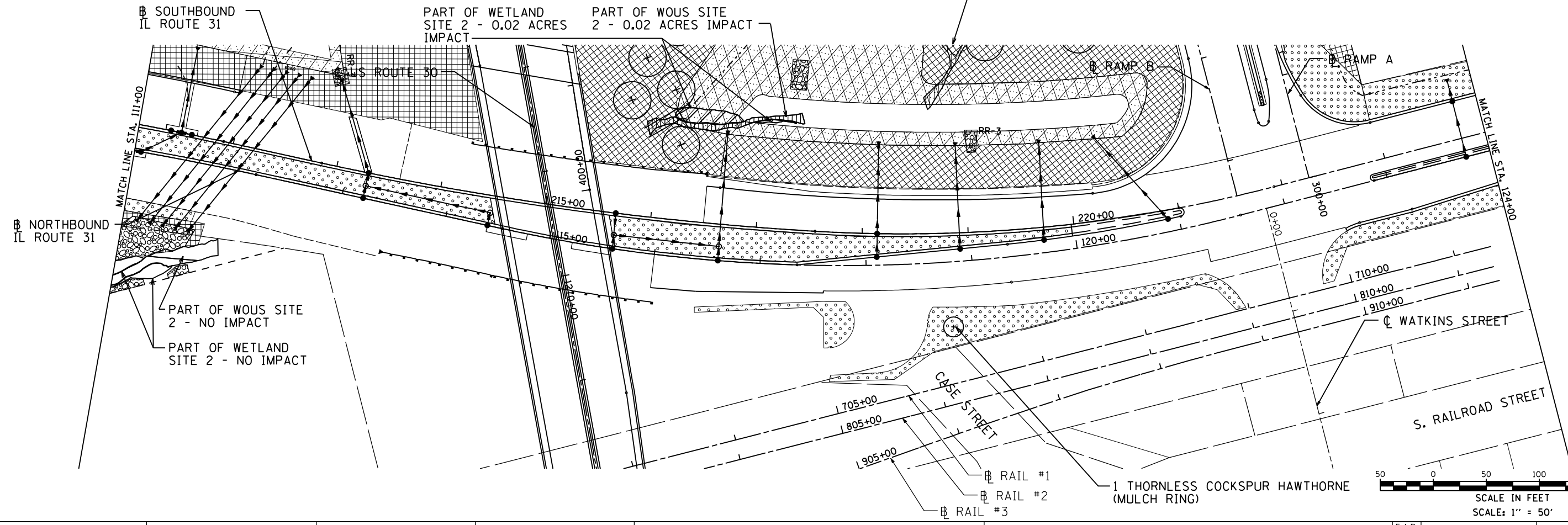
LANDSCAPING LEGEND:

	SEEDING (CLASS 2A) WITH EROSION BLANKET & TOPSOIL; 4"
	SEEDING (CLASS 4A MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
	SEEDING (CLASS 4B MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
	SODDING, SALT TOLERANT
	STONE RIPRAP, CLASS A5

SEE RAMP A-B PLAN SHEET FOR INFIELD LANDSCAPING

PART OF WOUS SITE 2 - NO IMPACT

PART OF WETLAND SITE 2 - NO IMPACT



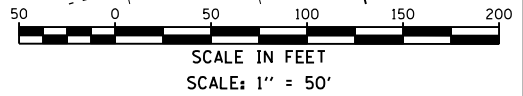
PART OF WETLAND SITE 2 - 0.02 ACRES IMPACT

PART OF WOUS SITE 2 - 0.02 ACRES IMPACT

PART OF WOUS SITE 2 - NO IMPACT

PART OF WETLAND SITE 2 - NO IMPACT

1 THORNLESS COCKSPUR HAWTHORNE (MULCH RING)



5/16/2012 12:04:45 AM

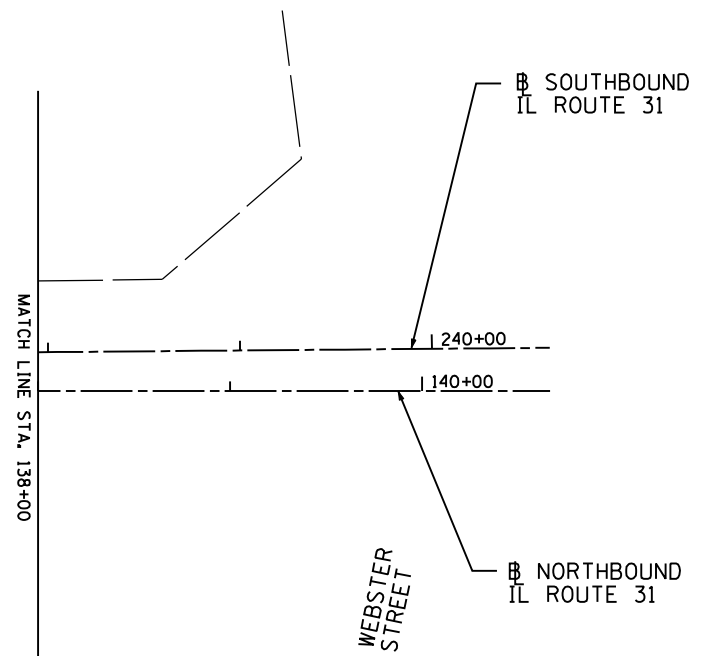
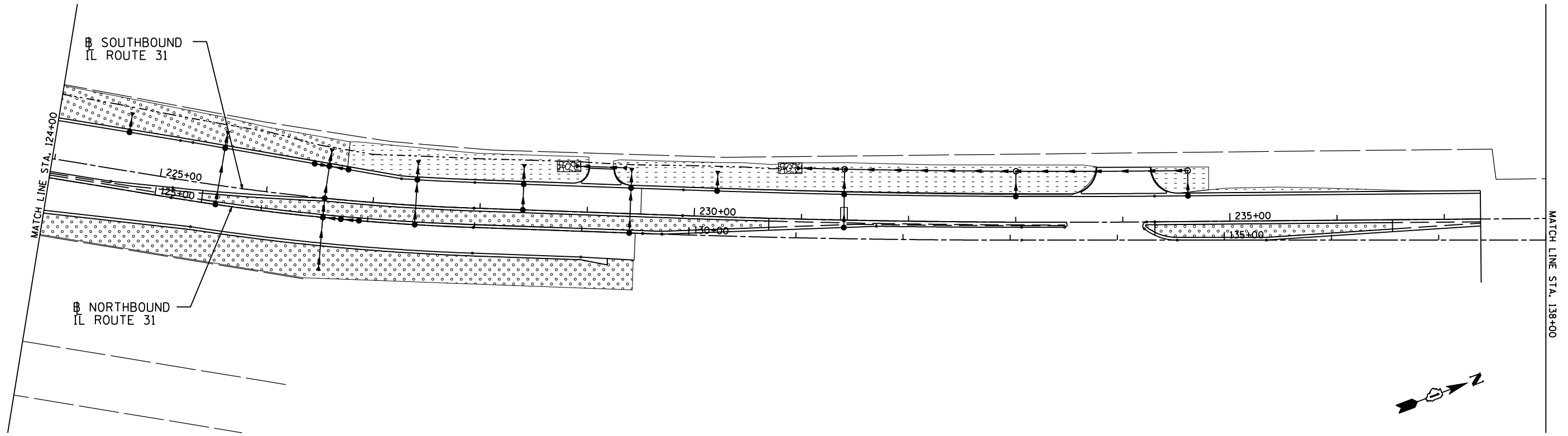
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
LANDSCAPING PLAN - IL ROUTE 31**

SCALE: 1"=50' SHEET NO. -- STA. 100+00 TO STA. 124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	128
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

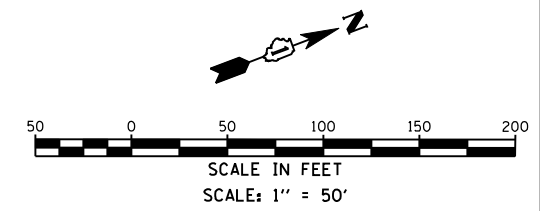


LANDSCAPING LEGEND:

	SEEDING (CLASS 2A) WITH EROSION BLANKET & TOPSOIL; 4"
	SEEDING (CLASS 4A MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
	SEEDING (CLASS 4B MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
	SODDING, SALT TOLERANT
	STONE RIPRAP, CLASS A5

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED) AND 4B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. LANDSCAPED MEDIANS REQUIRE TOPSOIL FURNISH AND PLACE, 30".



\$FILE# 5/16/2012 12:03:54 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

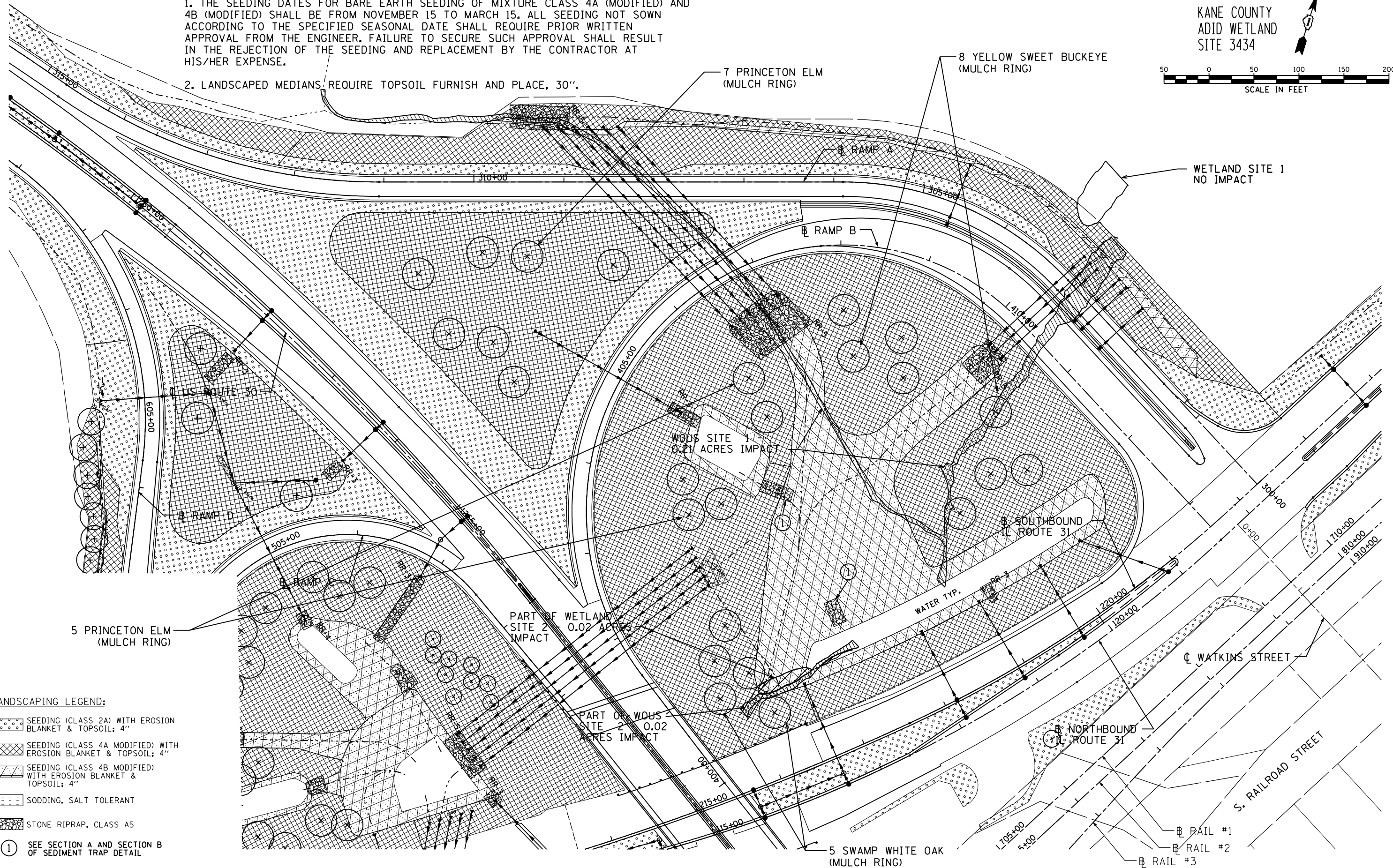
U.S. ROUTE 30 AT IL ROUTE 31 LANDSCAPING PLAN - IL RTE 31		
SCALE: 1"=50'	SHEET NO. --	STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	129
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED) AND 4B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. LANDSCAPED MEDIANS REQUIRE TOPSOIL FURNISH AND PLACE, 30".

KANE COUNTY
ADID WETLAND
SITE 3434



LANDSCAPING LEGEND:

- SEEDING (CLASS 2A) WITH EROSION BLANKET & TOPSOIL; 4"
- SEEDING (CLASS 4A MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
- SEEDING (CLASS 4B MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
- SODDING, SALT TOLERANT
- STONE RIPRAP, CLASS A5

① SEE SECTION A AND SECTION B OF SEDIMENT TRAP DETAIL

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
LANDSCAPE PLAN - RAMP A AND RAMP B






SCALE: 1"=50'

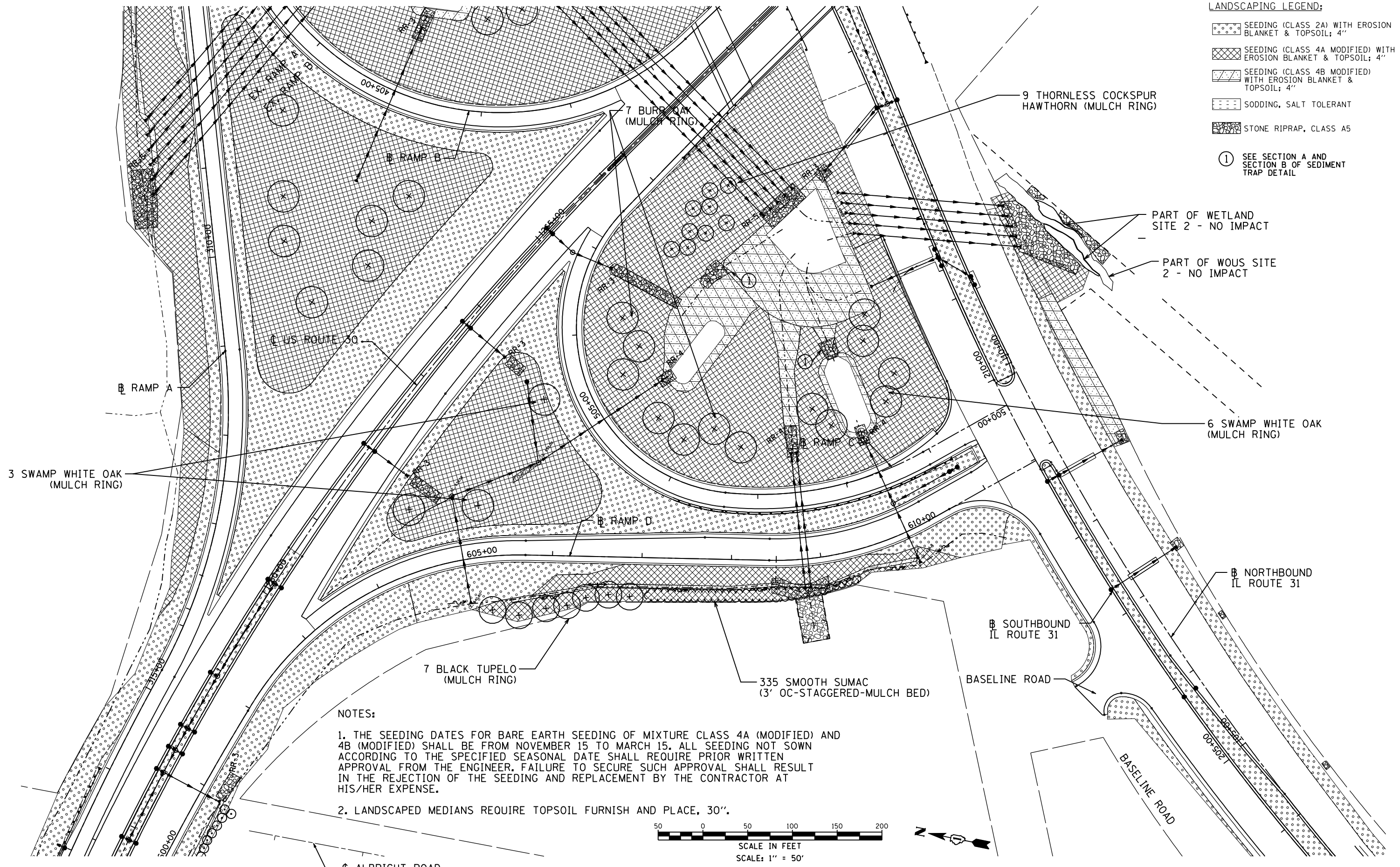
SHEET NO. --

(RAMP A) STA. 300+00 TO STA. 314+75
(RAMP B) STA. 400+00 TO STA. 413+34

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 130
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

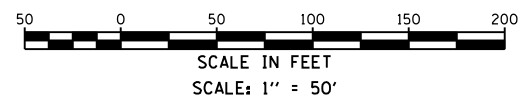
5/16/2012 12:10:02 AM

- LANDSCAPING LEGEND:**
-  SEEDING (CLASS 2A) WITH EROSION BLANKET & TOPSOIL; 4"
 -  SEEDING (CLASS 4A MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
 -  SEEDING (CLASS 4B MODIFIED) WITH EROSION BLANKET & TOPSOIL; 4"
 -  SODDING, SALT TOLERANT
 -  STONE RIPRAP, CLASS A5
- ① SEE SECTION A AND SECTION B OF SEDIMENT TRAP DETAIL



NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED) AND 4B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. LANDSCAPED MEDIANS REQUIRE TOPSOIL FURNISH AND PLACE, 30".



5/16/2012 12:15 AM
 5/16/2012

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

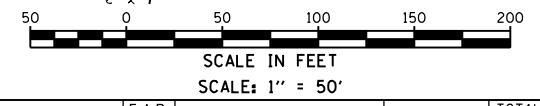
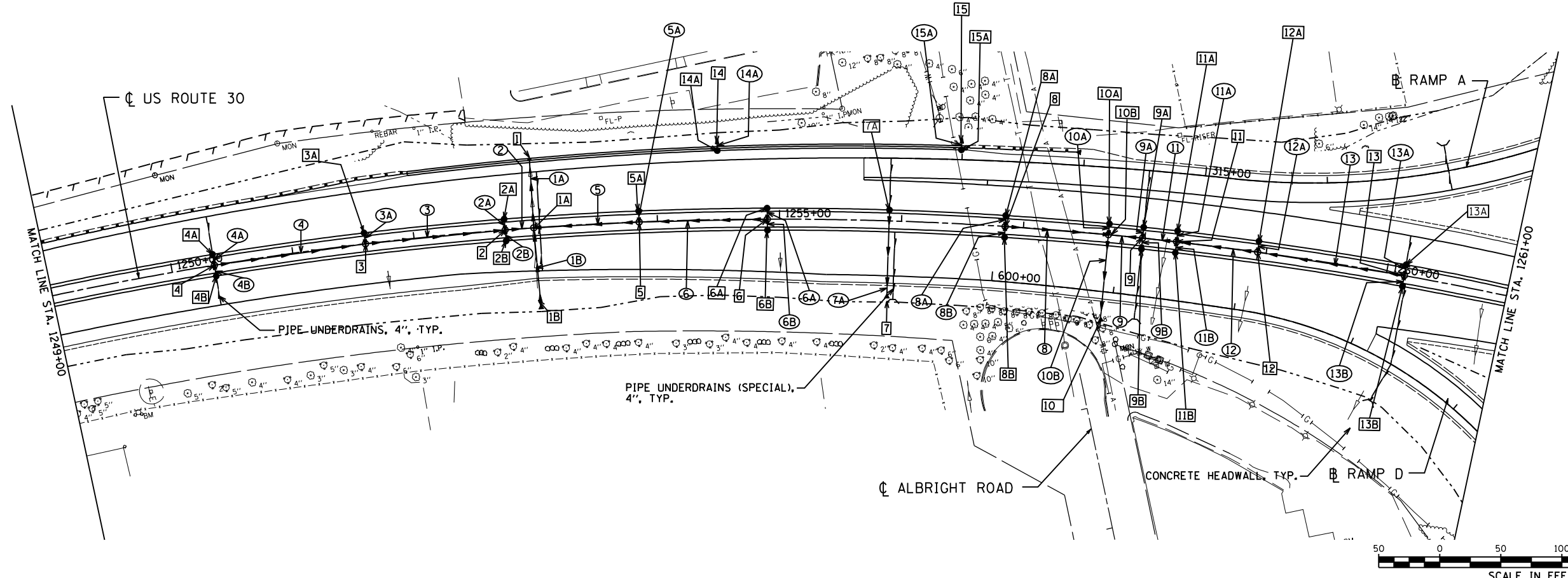
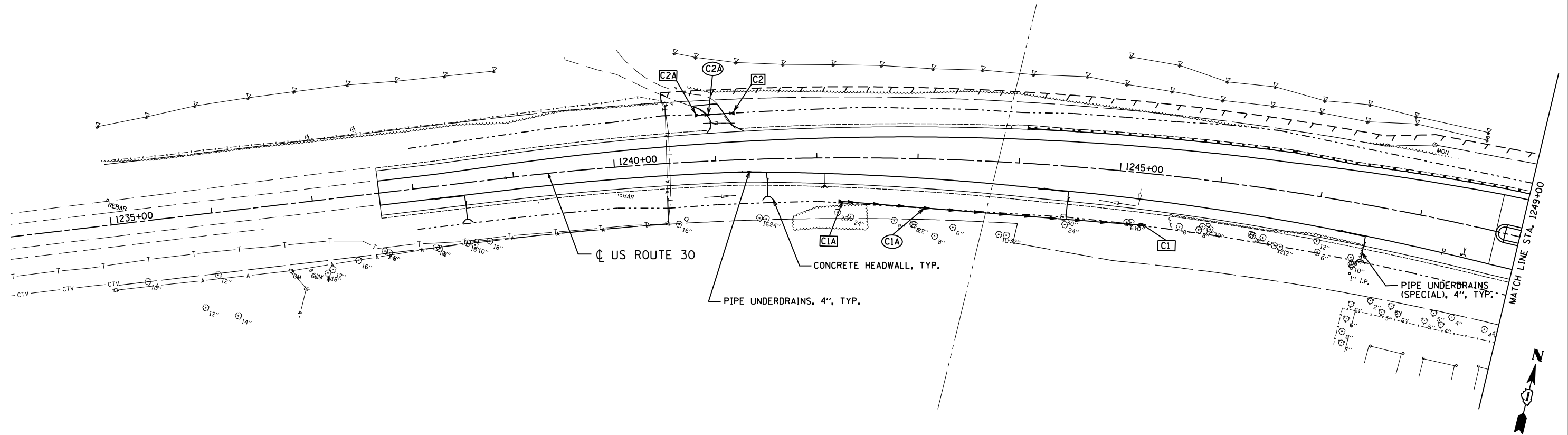
**U.S. ROUTE 30 AT IL ROUTE 31
LANDSCAPING PLAN - RAMP C AND RAMP D**

SCALE: 1"=50'

SHEET NO. --

(RAMP C) STA. 500+00 TO STA. 507+52
(RAMP D) STA. 600+00 TO STA. 609+96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	131
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



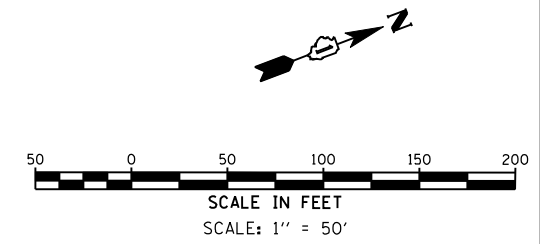
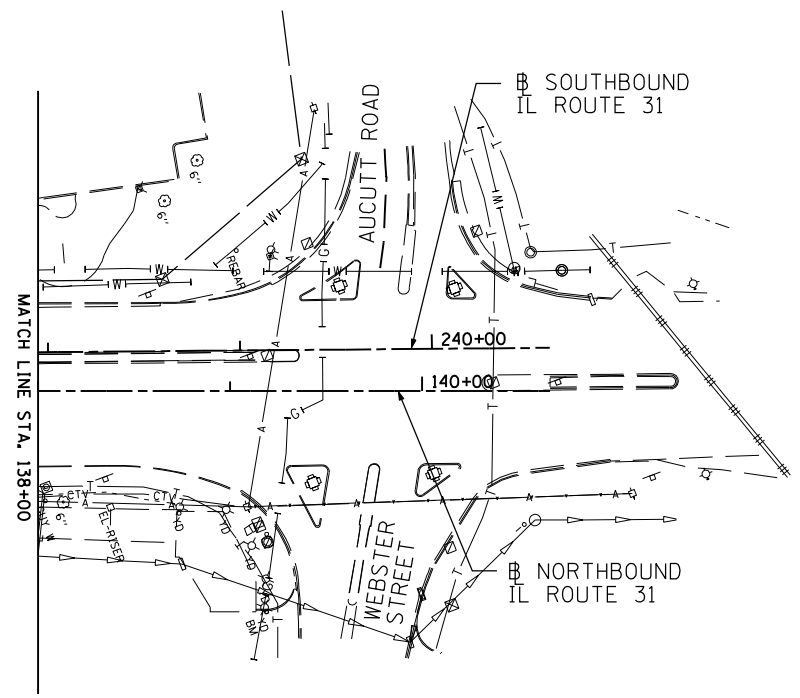
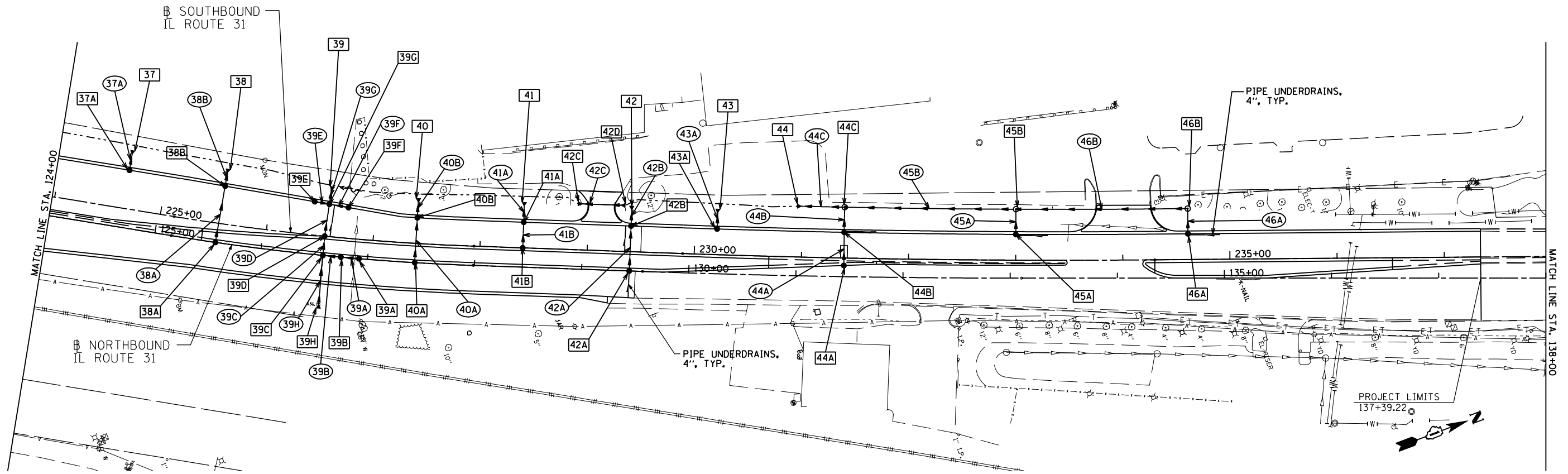
5/16/2012 12:11:28 AM
 5/16/2012

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31 DRAINAGE PLAN - U.S. ROUTE 30		
SCALE: 1"=50'	SHEET NO. --	STA. 1234+00 TO STA. 1261+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	132
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



P:\Jobs\2010\20103003\cadd\site\vgd\00\0160133-sht+drain-04.dgn
 6/15/2012 5:48:12 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

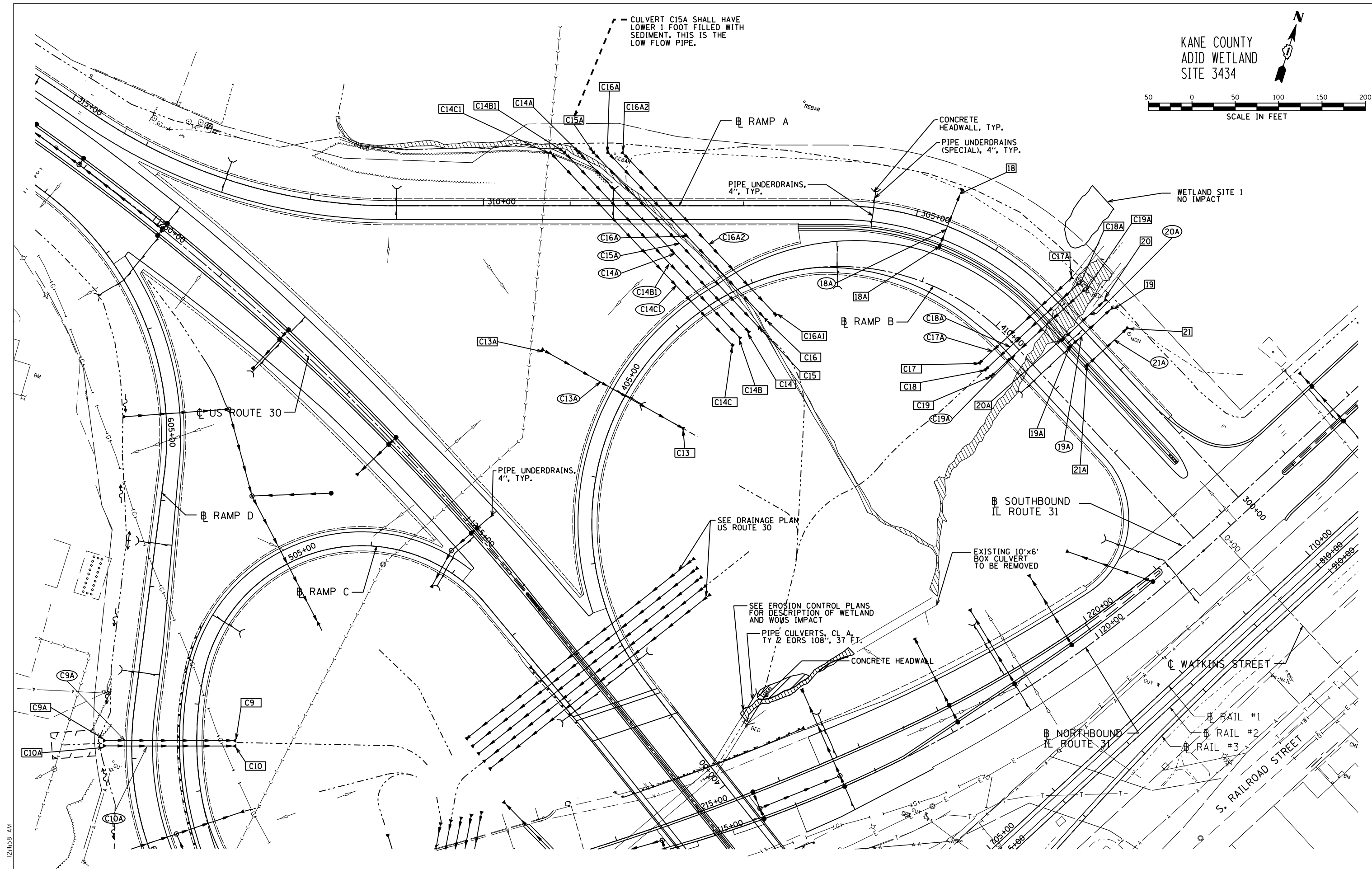
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL RTE 31
DRAINAGE PLAN - IL RTE 31

SCALE: 1"=50' SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	135
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

KANE COUNTY
ADID WETLAND
SITE 3434



5/16/2012 12:15:58 AM
 5/16/2012

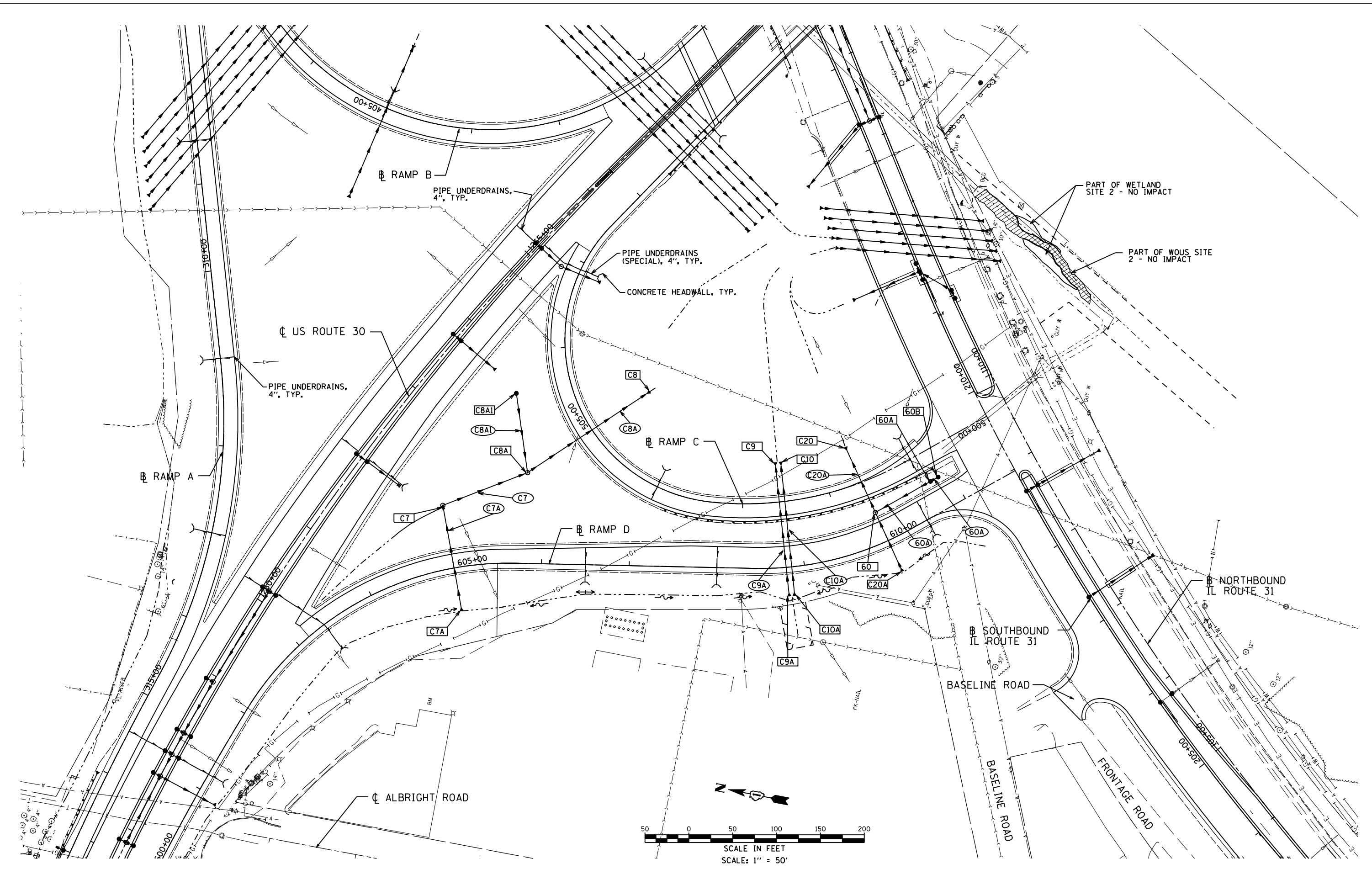
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 30 AT IL ROUTE 31 DRAINAGE PLAN - RAMP A AND RAMP B	
SCALE: 1"=50'	SHEET NO. --
(RAMP A) STA. 300+00 TO STA. 314+75	(RAMP B) STA. 400+00 TO STA. 413+34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	136
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

5/15/2012 12:21:06 AM



GRÄEF
 8501 W. Higgins Road, Suite 280
 Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -
DRAWN - JWB	REVISED -	
CHECKED - RS	REVISED -	
DATE - 05/11/2012	REVISED -	
PLOT SCALE = 100.0000' / IN.		
PLOT DATE = 5/16/2012		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
 DRAINAGE PLAN - RAMP C AND RAMP D**
 SCALE: 1"=50' SHEET NO. --
 (RAMP C) STA. 500+00 TO STA. 507+52
 (RAMP D) STA. 600+00 TO STA. 609+96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	137
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
1	1252+99		OUTLET AT RETAINING WALL	-	645.84			
1A	1252+99	0	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.66	646.16	645.84	646.48	647.25
1B	1252+99	66.7 RT	INLET BOX, STANDARD 542536	-		646.54		
2	1252+75	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.76	649.07	649.07	647.45	647.58
2A	1252+75	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.24		649.16		
2B	1252+75	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.24		649.16		
3	1251+60	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.19	649.53		648.6	648.79
3A	1251+60	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.67		649.59		
4	1250+35	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.67	650.01	650.01	650.00	
4A	1250+35	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	654.15		650.07		
4B	1250+35	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	654.15	650.07			
5	1253+85	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	653.34	648.68		647.1	646.89
5A	1253+85	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.82		648.74		
6	1254+90	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	652.94	648.28	648.28		648.15
6A	1254+90	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.42		648.34		
6B	1254+90	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	652.42	648.34			
7	1255+90	63.3 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		647.60		
7A	1255+90	9.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	652.04		647.96		
8A	1256+85	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.68		647.60		
8B	1256+85	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.68	647.60			
8	1256+85	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID		647.5	647.56	647.53	
9A	1257+98	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.32		647.24		
9B	1257+98	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.32	647.24			
9	1257+98	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.84	647.21	647.21	647.54	647.16
10A	1257+70	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36		647.28		
10B	1257+70	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.88	647.22	646.94	647.04	646.96
10	1257+70	66.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"			646.58		
11	1258+26	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	651.88	647.72	647.72	647.91	647.66
11A	1258+26	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36		647.78		
11B	1258+26	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.36	647.78			
12	1258+93	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	652.26	647.63		648.5	648.54
12A	1258+93	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	651.74		647.66		
13	1260+15	0	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	654.03	649.40	649.40		649.30
13A	1260+15	9.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.51		649.43		
13B	1260+15	9.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	653.51	649.43			
14	1254+50	65 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			646.65		
14A	1254+50	56.5 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 10 FRAME AND GRATE	653.65	646.74			
15	1256+46	83.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			647.60		
15A	1256+46	60.5 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 10 FRAME AND GRATE	653.31	647.82			

PIPE SCHEDULE

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
1A	57	STORM SEWERS, CLASS A, TYPE 2 36"	0.56	63
1B	49.2	STORM SEWERS, CLASS A, TYPE 2 36"	0.57	44
2	20	STORM SEWERS, CLASS A, TYPE 2 15"	1.00	10
2A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	6
2B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
3	111	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	36
3A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
4	121	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	29
4A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
4B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
5	82.5	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	34
5A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
6	101	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	26
6A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
6B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
7A	64.3	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	3
8A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.67	2
8B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.67	2
8	81	STORM SEWERS, CLASS A, TYPE 2 12"	0.70	15
9A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
9B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
9	24	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	5
10A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
10B	58	STORM SEWERS, CLASS A, TYPE 2 15"	0.55	7
11	24	STORM SEWERS, CLASS A, TYPE 2 15"	0.50	4
11A	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
11B	6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
12	63	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	10
12A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
13	118	STORM SEWERS, CLASS A, TYPE 2 12"	0.60	11
13A	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
13B	6	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	2
14A	3	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	
15A	16	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	

INVERT ELEVATIONS FOR CATCH BASINS, INLETS, AND MANHOLES ARE AT THE CENTER OF THE STRUCTURE. INVERTS OF FLARED END SECTIONS ARE AT THE DOWNSTREAM END. STATION AND OFFSET FOR STRUCTURES ALONG THE E.O.P. ARE AT THE E.O.P., FOR FLARED END SECTIONS AND HEADWALLS AT THE DOWNSTREAM END, AND FOR OTHER DRAINAGE STRUCTURES AT THE CENTER OF THE STRUCTURE.

RIM ELEVATIONS ARE AT THE E.O.P. FOR ALL STRUCTURES ALONG THE E.O.P. RIM ELEVATIONS ARE AT THE CENTER OF OF STRUCTURE FOR STRUCTURES NOT ALONG THE EDGE OF PAVEMENT. DRAINAGE STRUCTURES TYPE 4,5, & 6 (STANDARD 602106) SHALL HAVE A 34 INCH SUMP.

8/15/2012 12:21:11 AM

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
DRAINAGE PLAN - IL RTE 31**

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	138
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE

PIPE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
16A	1262+00	7.64 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	657.80	-	653.72		
16B	1262+00	7.64 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	657.80	653.60	653.50		
16	1262+00	59.5 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-	-	652.65		
16A1	1263+75	5.97 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	661.92		657.84		
16B1	1263+75	5.97 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	661.92	657.75	657.70		
16B2	1263+75	57.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"			656.89		
17A	1265+15	4.6 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	665.20	-	661.12		
17B	1265+15	4.6 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	665.20	660.99	660.39		
17C	1265+15	35.2 RT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	664.10	659.50	659.40		
17	1265+32	79.3 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-	-	658.00		
18A	304+62	25.0 LT	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	643.68	636.12			
18	304+62	46.6 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-	634.94			
19A	302+59	25.0 LT	DRAINAGE STRUCTURES, TYPE 5 WITH TWO TYPE 22 FRAME AND GRATES	641.04		633.45		
19	302+59	42.6 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		632.35		
20A	302+71	24.9 LT	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	641.14		633.09		
20	302+71	39.7 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		631.97		
21A	302+30	25.0 LT	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	641.13		633.56		
21	302+30	39.9 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		632.52		
22A	1274+75	34.5 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	667.35		663.27		
22B	1274+75	45.6 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	667.18	662.50	662.40		
22	1274+75	61.7 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		661.82		
23A	1277+23	35.1 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	661.67	MATCH EXIST.			
23B	1277+25	41.0 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	661.54	MATCH EXIST.			
① 24A	1279+55.2	32.5 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	654.94		649.95 (12") 651.00 (6")		
24B	1279+55.6	5.9 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	655.45	649.79	649.78		
24C	1279+55.7	5.7 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	655.34	649.73	649.73		
① 24D	1279+56.1	33.5 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	654.71	649.60 650.68 (6")	649.25		
25A	203+39	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	648.84	MATCH EXIST. I. E.	646.43		
26A	205+86	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	643.62	MATCH EXIST. I. E.	640.97		
26B	205+86	17.3' LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	642.89	MATCH EXIST. I. E.	640.47		
27A	207+31	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	641.10		637.84		
27	207+31	84.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		637.00		
28A	208+71	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.15		636.45		
28B	208+71	14.8 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.93		636.33	636.23	
28	208+71	95.8 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-		635.50		
29A	114+40	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	641.00			636.92	
29	114+40	12.4 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	641.26		636.73	636.83	
52A	113+20	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.00			631.67	
52B	213+31	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.47		631.37	631.27	
52C	113+20	11.9 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	639.50	635.77	631.55	631.45	
52	212+87	81.3 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-			630.00	
30A	115+60	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	642.25			638.17	
30B	215+67	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.90		636.82		
30	115+60	13.0 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	642.51	635.67	638.07	636.64	
31A	116+60	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	642.32			632.38	
31B	116+60	13.4 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	642.58		634.71	632.29	632.19
31	216+65	88.4 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-			630.00	
32A	118+10	7.7 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11V FRAME AND GRATE	643.07			632.88	
32B	118+11	29.8 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	642.50		632.70	632.60	

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
16A	12.3	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3
16B	40.5	STORM SEWERS, CLASS A, TYPE 2 12"	1.83	5
16A1	8.9	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
16B1	45.2	STORM SEWERS, CLASS A, TYPE 2 12"	1.58	2
17A	6.3	STORM SEWERS, CLASS A, TYPE 2 12"	2.00	2
17B	28	STORM SEWERS, CLASS A, TYPE 2 12"	3.19	7
17C	36	STORM SEWERS, CLASS A, TYPE 2 12"	3.18	6
18A	59	STORM SEWERS, CLASS A, TYPE 2 12"	2.00	28
19A	55	STORM SEWERS, CLASS A, TYPE 2 12"	2.00	26
20A	56	STORM SEWERS, CLASS A, TYPE 2 12"	2.00	28
21A	52	STORM SEWERS, CLASS A, TYPE 2 12"	2.00	24
22A	77	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	16
22B	58	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	
		CONCRETE THRUST BLOCKS, STANDARD 610001		
23A	4	STORM SEWERS, CLASS A, TYPE 2 12"		3
24B	4.5	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1
24C	1	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1
27A	78	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	1
28A	12	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	2
28B	73	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	4
29A	9.1	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	2
29	116	STORM SEWERS, CLASS A, TYPE 2 12"	0.83	32
52A	9	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	13
52B	84	STORM SEWERS, CLASS A, TYPE 2 15"	1.37	43
52C	8	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	13
30A	10	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3
30B	17.7	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3
30	96	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	79
31A	9	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	15
31B	101.5	STORM SEWERS, CLASS A, TYPE 3 15"	2.00	81
32A	18	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	28
32B	78.7	STORM SEWERS, CLASS A, TYPE 2 15"	3.00	44

① RIM ELEVATION IS EDGE OF SHOULDER AND BACK OF GRATE

H:\Jobs\2010\20103003\CAD\Site\vdgn\00\0160133-sht+drain_sch-01.dgn
6/15/2012 5:55:17 PM



USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
DRAINAGE PLAN - IL RTE 31**

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	139
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE

PIPE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
32	218+14	86.7 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				630.00
33A	118+90	11.6 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11V FRAME AND GRATE	643.47				632.01
33	218+91	85.2 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				630.00
34A	119+70	12.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11V FRAME AND GRATE	643.94				631.89
34	219+75	82.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				630.00
35A	120+90	12.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11V FRAME AND GRATE	643.01				633.06
35	220+31	77.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				630.00
36A	223+75	18.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	642.04				635.71
36B	223+75	36.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	641.08			635.20	635.10
36C	223+36.9	30.5 LT	CONNECT TO EXISTING WITH CONCRETE COLLAR	-				636.10
36D	223+37.9	53.7 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				635.80
36	223+75	57.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				634.88
37A	224+65	36.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.36				635.34
37	224+65	54.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				635.15
38A	225+55	18.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.78				636.18
38B	225+56	35.3 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.66			635.68	635.58
38	225+57	51.4 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				635.42
39A	226+88	18.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	639.88		636.31		
39B	226+71	18.0 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.87	636.24	636.24		
39C	226+55	18.0 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.88	636.17		636.50	636.17
39D	226+56	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.80			636.03	636.03
39E	226+42	31.1 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	639.21	635.86			
39F	226+74	28.7 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	639.21		635.86		
39G	226+58	30.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.20	635.79	635.81	635.90	635.80
39H	226+55	67.5 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" W/ GRATE	-				636.70
39	226+57	46.7 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" W/ GRATE	-				635.72
40A	227+40	18.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.03				636.64
40B	227+40	24.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	639.55			636.25	636.15
40	227+40	42.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				635.97
41A	228+40	24.0 RT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	640.15			636.63	636.53
41B	228+41	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	640.60				636.84
41	228+40	42.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				636.42
42C	228+90	43.0 LT	PRECAST REINFORCED CONC. FL. END SECTIONS, EQ RS 24" W/ GRATE	-		636.28		
42D	229+34	43.0 LT	PRECAST REINFORCED CONC. FL. END SECTIONS, EQ RS 24" W/ GRATE	-	636.41			
42A	229+40	18.0 RT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	641.17				637.51
42B	229+40	24.0 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	640.69			637.12	637.02
42	229+40	42.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				636.92
43A	230+20	24.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	641.02				637.43
43	230+20	42.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				637.32
44A	231+40	24.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	642.36				639.01
44B	231+40	23.9 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	641.92			638.87	638.77
44C	231+40	47.5 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	-	639.21	637.97	638.75	
44	230+95	47.5 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-	637.75			
45A	233+00	24.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	643.27				640.42
45B	233+00	47.5 LT	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	642.09	638.99	638.74	640.31	
46A	234+60	24.0 LT	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	644.72				641.07
46B	234+60	47.6 LT	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 8 GRATE	645.26		639.71	640.97	
50A	110+96	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	638.26	634.18			
50B	111+06	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	638.25		634.11		634.01
51A	211+40	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	638.61	633.61			
51B	211+60	0	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	638.61		633.61		

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
33A	92.4	STORM SEWERS, CLASS A, TYPE 3 15"	2.00	72
34A	86.7	STORM SEWERS, CLASS A, TYPE 2 15"	2.00	68
35A	94	STORM SEWERS, CLASS A, TYPE 2 15"	3.00	77
36A	51	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	19
36B	13.6	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3
36C	21	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
37A	11	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	
38A	50	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	9
38B	8	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	1
39A	14	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	2
39B	13	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	2
39C	14	STORM SEWERS, CLASS A, TYPE 1 24"	1.00	2
39D	26	STORM SEWERS, CLASS A, TYPE 1 24"	0.50	3
39E	11	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	1
39F	15	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	2
39G	8.6	STORM SEWERS, CLASS A, TYPE 1 24"	0.50	1
39H	40.5	STORM SEWERS, CLASS A, TYPE 1 24"	0.50	2
39	52	STORM SEWERS, CLASS A, TYPE 1 24"	0.41	
40A	39	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	2
40B	10	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	1
41A	11	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	1
41B	21	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	5
42C	27.6	PIPE CULVERTS, CL A, TY 1 ERS 24"	0.30	2
42A	39	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	3
42B	10	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	1
42				
43A	11	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	1
44A	28	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	1
44B	19.5	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	1
44C	36.5	STORM SEWERS, CLASS A, TYPE 1 18"	0.50	
45A	22	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	1
45B	154	STORM SEWERS, CLASS A, TYPE 1 18"	0.49	
46A	20	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	1
46B	156.2	STORM SEWERS, CLASS A, TYPE 1 15"	0.45	1
50A	7	STORM SEWERS, CLASS A, TYPE 1 12"	1.00	2
50B	38	STORM SEWERS, CLASS A, TYPE 2 18"	1.00	6
51A	7	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3
51B	7	STORM SEWERS, CLASS A, TYPE 2 12"	1.00	3

H:\Jobs\2010\20100303\CAD\Site\00\0160133-sht+drain_sch-0.dgn 5:55:59 PM 6/15/2012



USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
DRAINAGE PLAN - IL RTE 31**

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	140
• KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE

PIPE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
51C	211+50	0	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	638.60	633.54	633.54	633.63	631.24
51	211+50	90.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-				630.50
55B	100+93.2	46.9 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	-			649.50	
55A	201+99	58.3 LT	MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, OPEN LID	653.10	649.69	649.69		650.40
55	202+23	59.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" W/ GRATE	-	649.50			
56	206+90.7	71.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE		639.43			
56A	206+67.2	70.3 LT	INSTALL CONCRETE COLLAR		MATCH EXISTING			
56B	206+28.2	67.9 LT	INSTALL CONCRETE COLLAR		MATCH EXISTING			
56C	206+11	68.1 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE			639.55		
57	100+93.2	48.9 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" W/ GRATE				649.50	
C1A	1242+25	43.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" W/ GRATE	-				653.13
C1	1245+25	51.6 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" W/ GRATE	-			652.09	
C2A	1240+90	46.1 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-				654.63
C2	1241+20	46.1 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	-			654.54	
C3A	1267+20	159.8 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			629.00	
C3	1267+20	169.5 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				629.00
C4A	210+58	84.3 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				628.90
C4	110+50	63.6 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			628.50	
C5A	210+69	84.4 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				628.90
C5	110+61	63.5 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			628.50	
C6A	210+80	84.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				628.90
C6	110+73	63.5 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			628.50	
C6A1	211+62	90.3 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				628.90
C6A2	212+47	77.5 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			628.50	

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
51C	74.1	STORM SEWERS, CLASS A, TYPE 2 18"	1.00	45
55A	17	PIPE CULVERTS, CLASS A, TYPE 1 30"	-	0
55B	16	PIPE CULVERTS, CLASS A, TYPE 1 30"	-	0
55C	10	PIPE CULVERTS, CLASS A, TYPE 1 24"	-	0
56A	16	STORM SEWERS, CLASS A, TYPE 1 36"	0.20	1
56	11.7	STORM SEWERS, CLASS A, TYPE 1 36"	0.20	0
C1A	282.5	PIPE CULVERTS, CLASS A, TYPE 1 24"	0.35	
C2A	19	PIPE CULVERTS, CLASS A, TYPE 1 15"	0.29	1
C3A	313	STORM SEWERS JACKED IN PLACE, 72"	1.00	0
C4A	180	STORM SEWERS JACKED IN PLACE, 72"	1.00	0
C5A	180	STORM SEWERS JACKED IN PLACE, 72"	1.00	0
C6A	180	STORM SEWERS JACKED IN PLACE, 72"	1.00	0
C6A1	180	STORM SEWERS JACKED IN PLACE, 72"	1.00	0

H:\Jobs\2010\20103003\CAD\Site\drain\00\0160133-sht+drain_sch-01.dgn
 6/15/2012 5:55:16 PM



USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 6/15/2012	CHECKED - RS	REVISED -
	DATE - 06/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
DRAINAGE PLAN - IL RTE 31

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 141
* KANE AND KENDALL			CONTRACT NO. 60133	
SHEET NO. --		(IL 31) STA. 124+00 TO STA. 140+67		
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE

STRUCT NO.	LOCATION		DESCRIPTION	RIM ELV.	INVERT ELEVATION			
	STA.	LT/RT (FT)			NORTH	SOUTH	EAST	WEST
C6A3	211+75	90.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				628.90
C6A4	212+60	77.4 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			628.50	
C7A	605+00	49.8 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE	-				640.80
C7	605+00	72.5 LT	MANHOLES, TYPE A, 6' DIAMETER, TYPE 8 GRATE	-			639.58	
C8A	505+00	82.2 LT	MANHOLES, TYPE A, 6' DIAMETER, TYPE 8 GRATE	-	639.00			
C8	505+00	79.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE	-		637.19		
C8A1	505+62.7	63.0 LT	CATCH BASINS, TYPE A, 5' DIAMETER, TYPE 8 GRATE					639.88
C9A	608+75	33.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" W/ GRATE	-				634.54
C9	608+75	120.3 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" W/ GRATE	-			635.25	
C10A	608+85	33.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" W/ GRATE	-				634.54
C10	608+85	120.3 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" W/ GRATE	-			635.25	
C11A	1267+30	160.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			629.00	
C11	1267+30	167.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				629.00
C12A	1267+30	160.3 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			629.00	
C12	1267+30	164.5 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				629.00
C12A1	1267+09	159.8 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			629.00	
C12A2	1267+09	174.9 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				629.00
C12A3	1266+98	159.7 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-			629.00	
C12A4	1266+98	178.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72" W/ GRATE	-				629.00
C13A	405+00	104.3 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE	-				634.00
C13	405+00	58.4 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" W/ GRATE	-			633.00	
C14B1	309+24	62.2 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				631.50
C14B	307+08	153.2 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			631.00	
C14C1	309+07	62.2 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				631.50
C14C	307+12	161.8 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			631.00	
C14A	308+90	62.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				631.50
C14	306+93	146.2 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			631.00	
C15A	308+74	62.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				629.75
C15	306+81	141.4 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			629.50	
C16A	308+57	62.1 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				631.50
C16	306+73	132.2 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			631.00	
C16A1	306+62	126.5 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-				631.50
C16A2	308+40	62.0 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	-			631.00	
C17A	303+15	43.4 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-	631.60			
C17	303+20	114.6 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-		629.98		
C18A	303+06	43.4 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-	631.60			
C18	303+00	115.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-		629.98		
C19A	302+96	43.4 RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-	631.60			
C19	302+91	115.0 LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" W/ GRATE	-		629.98		

PIPE SCHEDULE

PIPE NO.	LENGTH (FT)	DESCRIPTION	SLOPE (%)	TBF CU YD
C6A3	180	STORM SEWERS JACKED IN PLACE, 72	1.00	0
C7A	106	PIPE CULVERTS, CLASS A, TYPE 2 36	1.00	64
C7	100	PIPE CULVERTS, CLASS A, TYPE 3 36	0.58	70
C8A	158	PIPE CULVERTS, CLASS A, TYPE 4 36	1.00	209
C8A1	88	PIPE CULVERTS, CLASS A, TYPE 3 18	1.00	76
C9A	143	PIPE CULVERTS, CLASS A, TYPE 2 48	0.45	139
C10A	143	PIPE CULVERTS, CLASS A, TYPE 2 48	0.45	139
C11A	311	STORM SEWERS JACKED IN PLACE, 72	0.00	0
C12A	309	STORM SEWERS JACKED IN PLACE, 72	0.00	0
C12A1	326	STORM SEWERS JACKED IN PLACE, 72	0.00	0
C12A3	329	STORM SEWERS JACKED IN PLACE, 72	0.00	0
C13A	172	PIPE CULVERTS, CLASS A, TYPE 2 36	0.53	141
C14B1	275	PIPE CULVERTS, CLASS A, TYPE 2 84	0.17	363
C14C1	290	PIPE CULVERTS, CLASS A, TYPE 2 84	0.16	394
C14A	268	PIPE CULVERTS, CLASS A, TYPE 2 84	0.17	333
C15A	261	PIPE CULVERTS, CLASS A, TYPE 2 84	0.09	333
C16A	249	PIPE CULVERTS, CLASS A, TYPE 2 84	0.19	351
C16A1	241	PIPE CULVERTS, CLASS A, TYPE 2 84	0.19	384
C17A	142	PIPE CULVERTS, CLASS A, TYPE 2 60	1.02	160
C18A	142	PIPE CULVERTS, CLASS A, TYPE 2 60	1.02	160
C19A	142	PIPE CULVERTS, CLASS A, TYPE 2 60	1.02	160

5/16/2012 12:22:22 AM

 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631; (773) 399-0112	USER NAME = 1654	DESIGNED - JWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 30 AT IL ROUTE 31 DRAINAGE PLAN - IL RTE 31	F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 142
	PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISIED -			* KANE AND KENDALL	CONTRACT NO. 60133			
	PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISIED -			ILLINOIS FED. AID PROJECT				
	SHEET NO. --		(IL 31) STA. 124+00 TO STA. 140+67							

PIPE UNDERDRAIN SCHEDULE

LOCATION				PIPE UNDERDRAINS 60107600 4" (FT)	PIPE UNDERDRAINS (SPECIAL) 60108100 4" (FT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)	
FROM STA./PIPE	TO STA./PIPE	OFFSET (FT)	LT/RT			60100060 EACH	INV. EL.
1238+20	1238+50	12.5	RT	30			
1238+50	1238+50	35.6	RT		24	1	655.36
1241+20	1241+50	13.0	RT	30			
1241+50	1241+50	36.6	RT		24	1	654.09
1244+20	1244+50	25.0	RT	30			
1244+50	1244+50	46.2	RT		21		652.90
1247+20	1247+50	31.5	RT	30			
1247+50	1247+50	52.4	RT		22	1	651.60
1250+35	4A	40.3	LT	31			
1250+35	4B	33.0	RT	24			
1252+99	1A	45.6	LT	46			
1252+99	1A	35.4	RT	35			
1255+90	7A	51.4	LT	42			
1255+92	1255+92	64.1	RT	37	19	1	647.66
1257+98	9A	55.6	LT	47			
1258+00, 6.5 RT	1257+98	66.8	RT	39	19	1	646.90
1260+15	13A	33.0	LT	24			
1260+17, 6.5 RT	1260+17	73.9	RT	67			
603+37	603+37	58.0	RT		53	1	646.38
1262+65	16A	34.0	LT	24			
1262+68, 4.8 RT	1262+68	59.0	RT	26	23	1	656.00
1265+15	17A	34.0	LT	30			
1265+15 (17B)	1265+15 (17C)	35.0	RT	30			
1265+17	1265+36	76.0	RT	22	21	1	659.78
1267+50	1267+50	66.0	LT	42	21	1	664.70
1267+50	1267+50	61.0	RT	38	19	1	665.76
1277+23	23A	2.0	LT	31			
1277+25	23B	2.0	RT	37			
1279+56 (24B)	1279+56 (24A)	36.0	LT	30.5			
1279+56 (24C)	1279+56 (25)	33.0	RT	27.7			
103+06	25A	24.0	LT	30			
105+51	26A	26.0	LT	30			
108+34	108+64 (28A)	27.0	LT	30			
211+10	51A	1.0	RT	30			
114+10	29A	0.0	-	30			
116+60	116+60 (31A)	29.0	RT	29			

PIPE UNDERDRAIN SCHEDULE

LOCATION				PIPE UNDERDRAINS 60107600 4" (FT)	PIPE UNDERDRAINS (SPECIAL) 60108100 4" (FT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)	
FROM STA./PIPE	TO STA./PIPE	OFFSET (FT)	LT/RT			60100060 EACH	INV. EL.
216+69	216+69	60.0	LT	35	25	1	637.40
218+92	33A	51.0	RT	36			
218+88	218+88	67.4	LT	32	36	1	638.50
221+13	35A	61.5	RT	54			
221+12	220+75	64.0	LT	51	19	1	638.00
123+77	123+77 (36A)	32.0	RT	32			
123+78	123+78 (36B)	54.0	LT	48			
126+58	39C	24.0	RT	24			
226+56 (39D)	226+56 (39G)	30.0	LT	30			
129+44	129+44 (42A)	25.0	RT	25			
229+40	229+40 (42B)	25.0	LT	24			
231+70	231+40 (44B)	25.0	LT	30			
233+30	233+00 (45A)	25.0	LT	30			
234+90	234+60 (46A)	25.0	LT	30			
19A (302+59)	302+57	25.0	LT	24			
19A (302+59)	302+59	102.0	LT	57	19	1	636.98
305+50	305+50	23.0	LT	23			
305+50	305+50	26.7	RT		26	1	642.60
308+50	308+50	16.0	LT	16			
308+50	308+50	20.0	RT		20	1	646.50
311+00	311+00	16.0	LT	16			
311+00	311+00	20.0	RT		20	1	647.40
313+00	313+00	16.0	LT	17			
313+00	313+00	21	RT		21	1	648.00
408+00	408+00	29.0	LT	29			
408+00	408+00	23.0	RT		23	1	640.60
405+00	405+00	16.0	LT	17			
405+00	405+00	21.0	RT		21	1	652.90

5/16/2012 12:21:26 AM



USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
UNDERDRAIN PLAN - IL RTE 31

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 143
* KANE AND KENDALL		CONTRACT NO. 60133		
ILLINOIS FED. AID PROJECT				

PIPE UNDERDRAIN SCHEDULE

LOCATION				PIPE UNDERDRAINS 60107600 4" (FT)	PIPE UNDERDRAINS (SPECIAL) 60108100 4" (FT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)	
FROM STA./PIPE	TO STA./PIPE	OFFSET (FT)	LT/RT			60100060 EACH	INV. EL.
504+00	504+00	16.0	LT	16			
504+00	504+00	21.0	RT		21	1	649.00
501+00	501+00	16.0	LT	24			
501+00	501+00	27.0	RT		20	1	638.10
610+50	610+50	24.0	LT	25			
610+50	610+50	20.0	RT		19	1	639.00
608+00	608+00	24.0	LT	25			
608+00	608+00	20.0	RT		19	1	644.00
606+50	606+50	19.0	LT	20			
606+50	606+50	20.0	RT		19	1	647.30
				1,819	594	25	

5/16/2012 12:21:30 AM

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

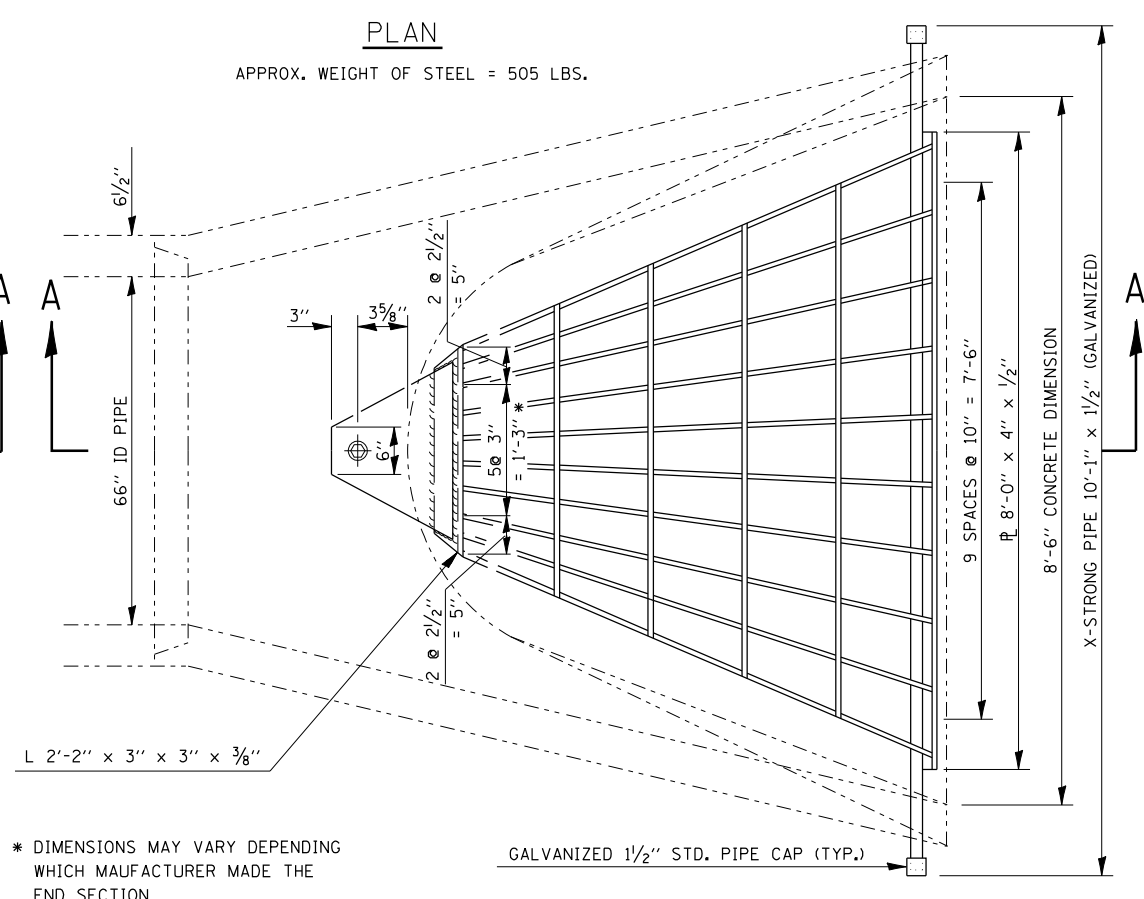
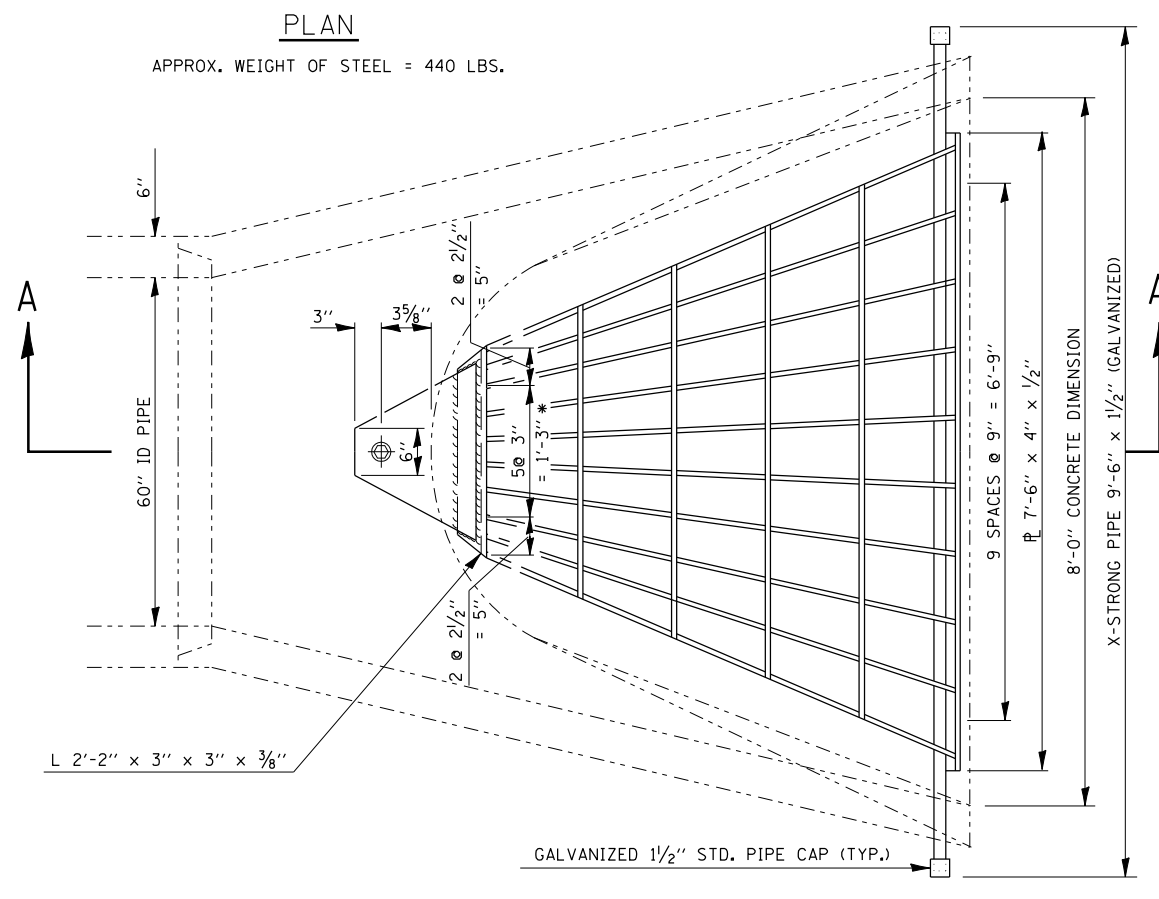
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
UNDERDRAIN PLAN - IL RTE 31**

SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	144
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

GRATING DETAILS SHOWN ARE INTENDED FOR USE WITH PARTICULAR SIZES OF PRECAST REINFORCED CONCRETE FLARED END SECTIONS AS SHOWN ON STANDARD 542106 & 542111.

STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH ARTICLE 542.07 (d) OF THE STANDARD SPECIFICATIONS. STEEL PIPE SHALL CONFORM TO ASTM A-53 (TYPE E OR S) GRADE B SCHEDULE 40.

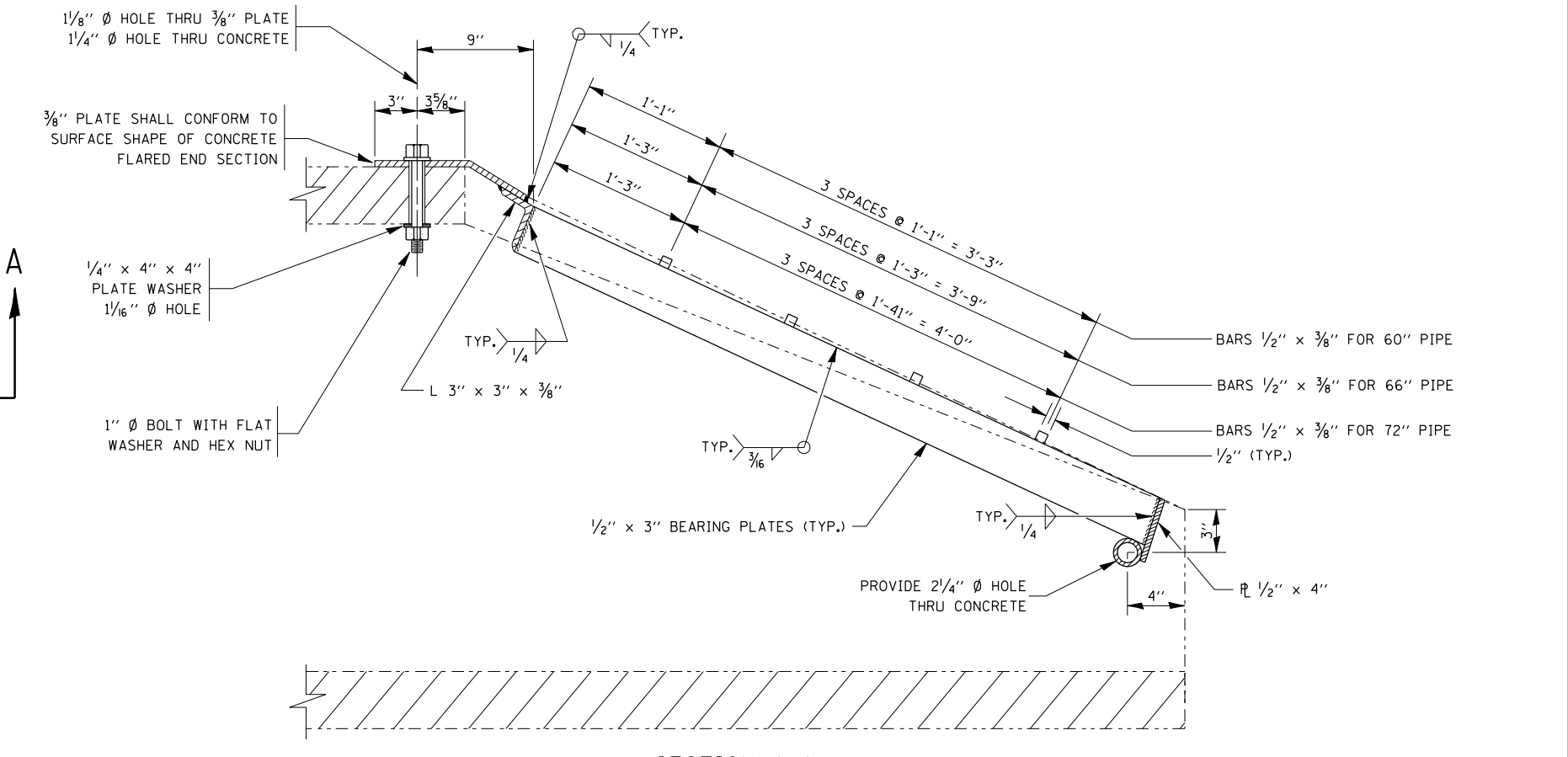
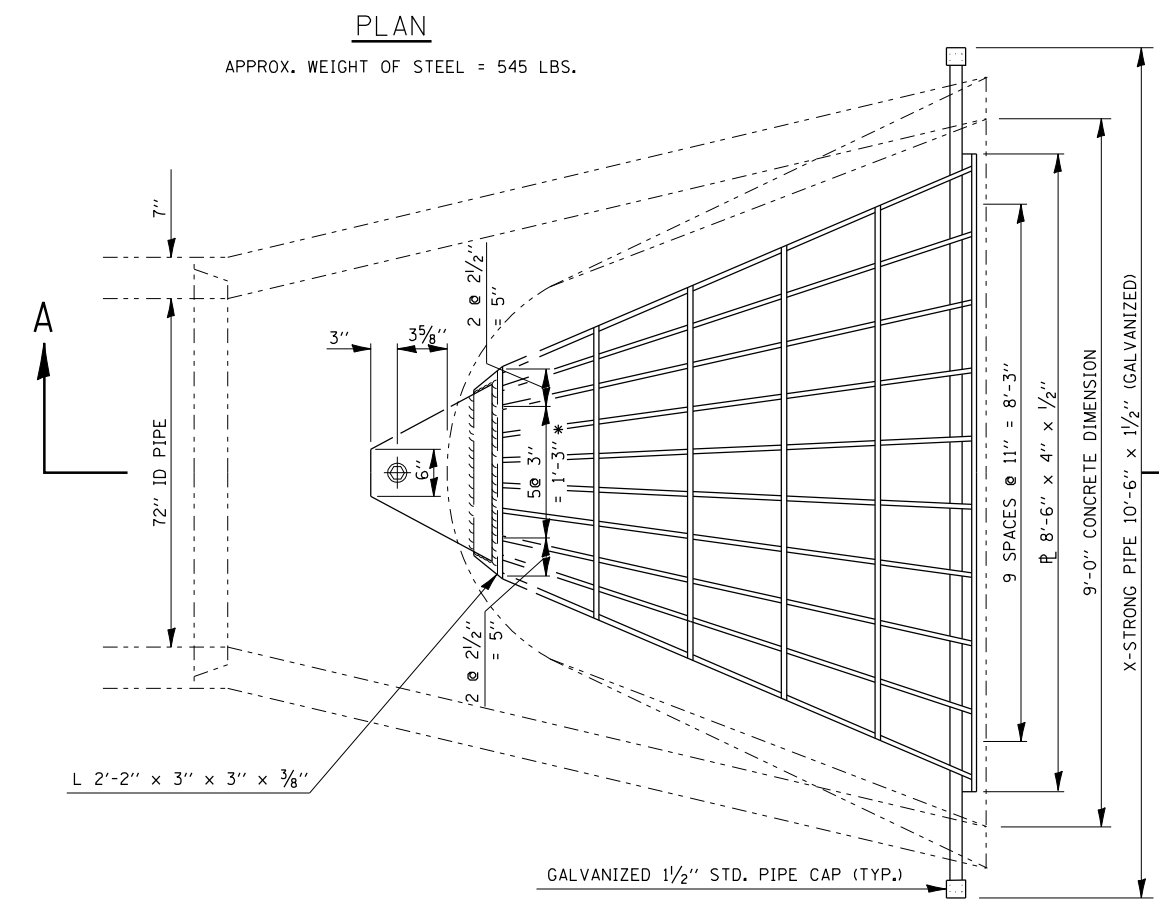
BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATIONS.

ALL FABRICATION SHALL BE COMPLETED AND READY FOR ASSEMBLY BEFORE GALVANIZING.

THE CORED HOLES IN THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF THE HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.

APPROXIMATE WEIGHT OF STEEL SHOWN INCLUDES TOTAL WEIGHT OF GRATING, BOLTS, WASHERS, NUTS AND STEEL PIPE.

THE CONTRACT UNIT PRICE "EACH" FOR GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE OF THE SIZE INDICATED SHALL INCLUDE FABRICATION AND INSTALLATION OF THE GRATING AS DETAILED HEREIN, INCLUDING FABRICATION OF THE NECESSARY MOUNTING HOLES IN THE FLARED END SECTION, THIS PRICE DOES NOT INCLUDE THE COST OF THE PRECAST CONCRETE FLARED END SECTIONS.



SECTION A-A

5/16/2012 12:21:29 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.000 / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

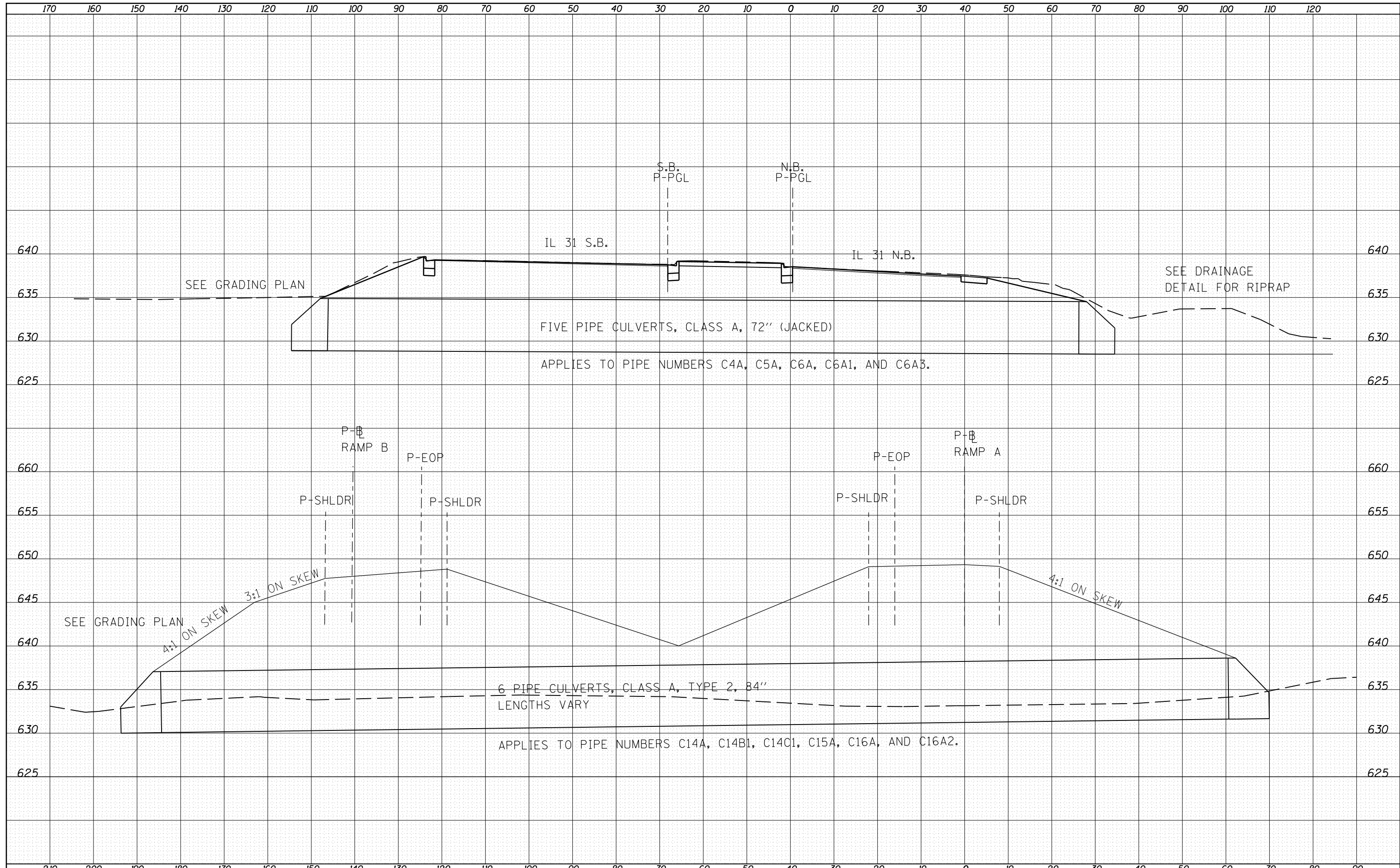
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
GRATING FOR CONCRETE FLARED END SECTIONS (60", 66" & 72" PIPE)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	145
KANE AND KENDALL			CONTRACT NO. 60133	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	



H:\Jobs\2010\201003023\CAD\Site.dgn 06/15/2012 10:41:37 AM J:\dram\c...
 USER NAME = 1654

GRAEF
 8501 W. Higgins Road, Suite 280
 Chicago, Illinois 60631; (773) 399-0112

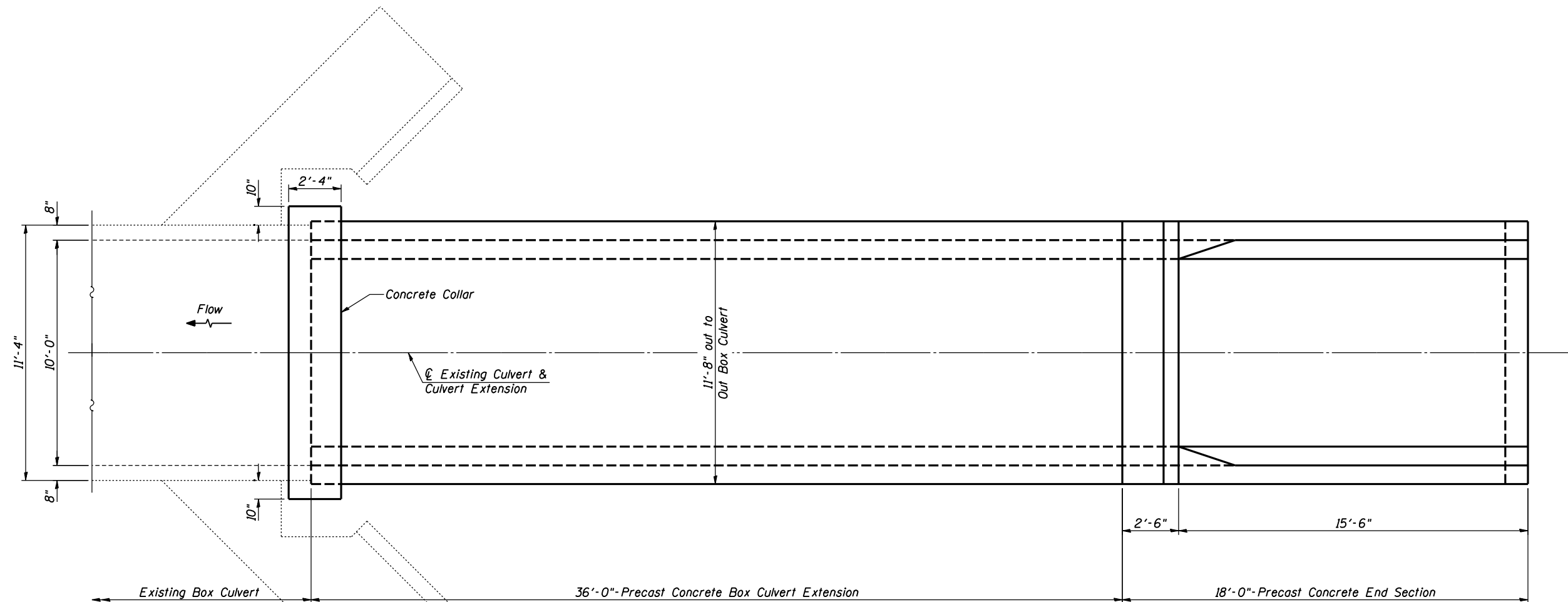
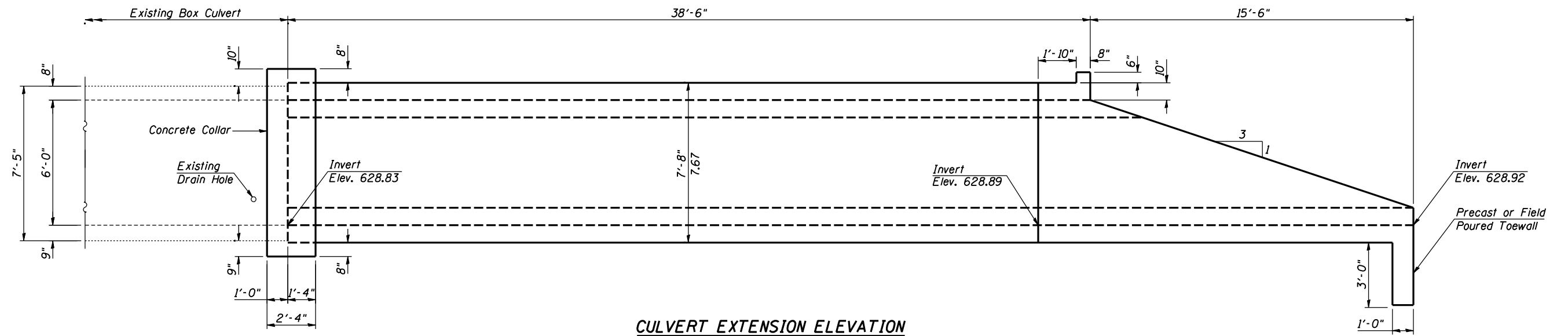
DESIGNED -	REVISÉ -
DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE -	REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
72" AND 84" PIPE CULVERTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			570	145A
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTES

1. Work Sheets SB1, SB2 and SB3 together.



H:\Jobs\2010\20103003\CAD\Structural\Culvert.dgn\00160133-sb1-plan.dgn 8/2/2012 2:04:53 PM

GRAEF
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.J.G. 7/13/2012	REVISED -
	CHECKED - J.A.Z. 7/13/2012	REVISED -
PLOT SCALE =	DRAWN - D.L.G. 7/13/2012	REVISED -
PLOT DATE =	CHECKED - J.J.G. 7/13/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND ELEVATION
U.S. RTE. 30 CULVERT EXTENSION (S.N. 045-0273)**

SHEET NO. SB1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	146
CONTRACT NO. 60133				

ILLINOIS FED. AID PROJECT

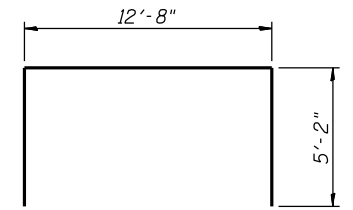
WATERWAY INFORMATION TABLE

Drainage Area = 2.71 sq. mi.			Existing Overtopping Elev. = 639.67 ft. @ Sta. 113+50 Proposed Overtopping Elev. = 639.67 ft. @ Sta. 113+50						
Flood	Frequency (Year)	Discharge (C.F.S.)	Waterway Opening (Sq.Ft.)		Natural H.W.E.	Head (Feet)		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten Year	10	-	51.6	51.1	634.00	0.21	0	634.21	633.30
Design	50	-	60	60	635.03	2.00	0	637.03	634.08
Base	100	-	60	60	635.43	4.93	0	640.36	634.97
Max. Calc.	500	-	60	60	637.75	5.39	4.84	643.14	642.59

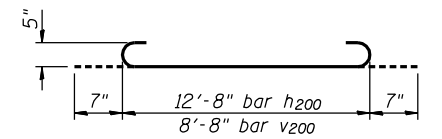
10-Year Velocity through Existing Structure = 4.4 fps
 10-Year Velocity through Proposed Structure = 4.4 fps
 All time H.W.E. = 642 to 643 on July 18, 1996
 Headwater elev. taken at existing river Sta. 43.76 along reach North 2SE.

BILL OF MATERIAL

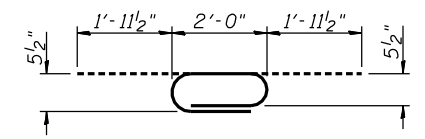
Bar	No.	Size	Length	Shape
h200	4	#5	13'-10"	U
v200	4	#5	9'-10"	U
s200	40	#4	5'-11"	U
u200	6	#5	23'-0"	U
Concrete Removal			Cu Yd.	2.6
Reinforcement Bars			Pound	410
Concrete Collar			Cu Yd.	3.0
Precast Concrete Box Culvert 10 Ft x 6 Ft			Foot	36
Box Culvert End Section			Each	1



BAR u200



BARS h200 & v200



BAR s200

NOTES:

1. Work Sheets SB1, SB2 & SB3 together.

H:\Jobs\2010\20103003\CAD\Structural\Culvert-Ext\00\160133-sb3-details.dgn 8/2/2012 2:05:41PM

GRÄEF
 8501 W. Higgins Road, Suite 280
 Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED - J.J.G. 7/13/2012	REVISED -
	CHECKED - J.A.Z. 7/13/2012	REVISED -
PLOT SCALE =	DRAWN - E.U.B. 7/13/2012	REVISED -
PLOT DATE =	CHECKED - J.J.G. 7/13/2012	REVISED -

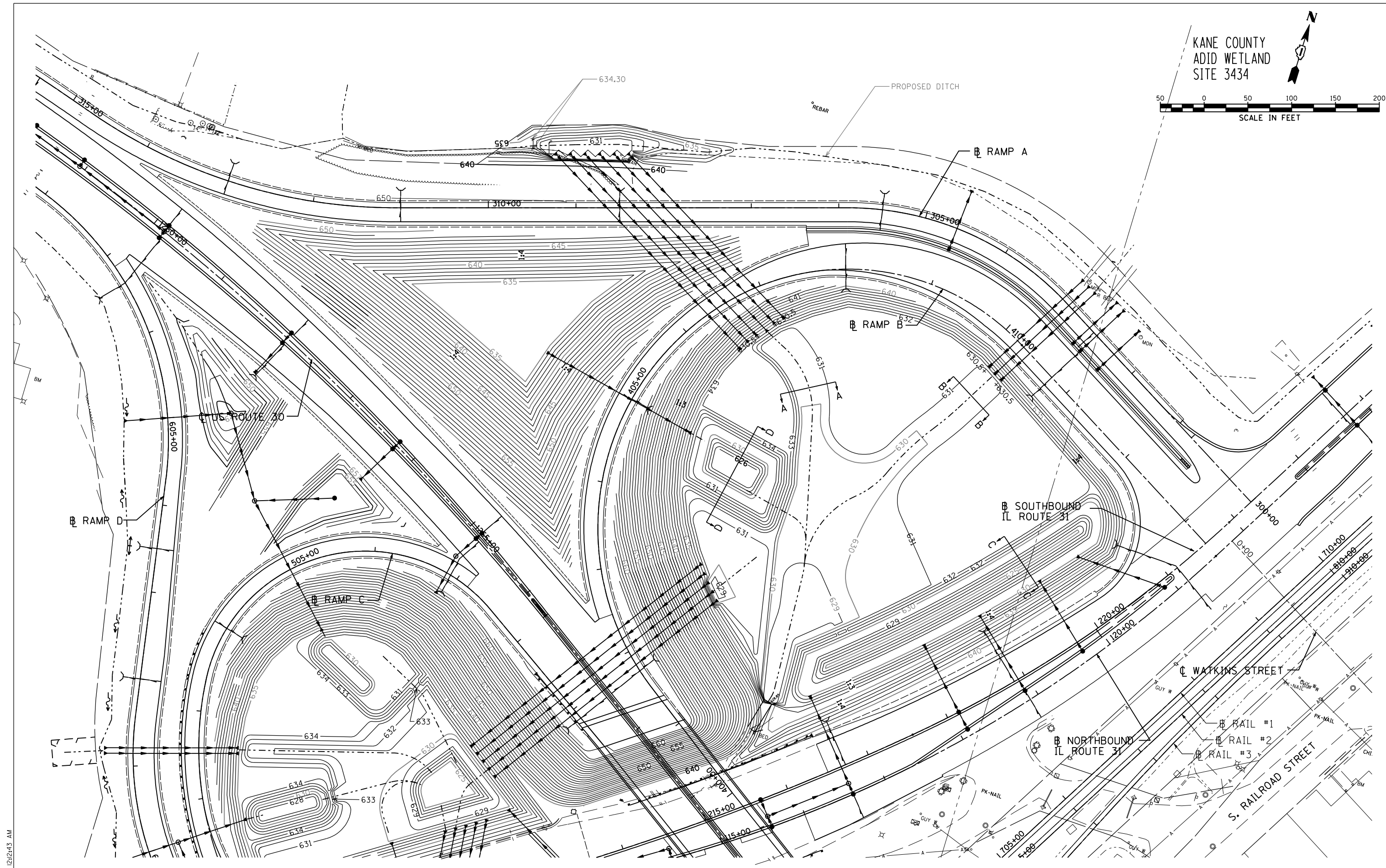
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WATERWAY INFORMATION TABLE & DETAILS
 U.S. RTE. 30 CULVERT EXTENSION (S.N. 045-0273)**

SHEET NO. SB3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	148
CONTRACT NO. 60133			ILLINOIS FED. AID PROJECT	

KANE COUNTY
ADID WETLAND
SITE 3434



5/16/2012 12:42:43 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

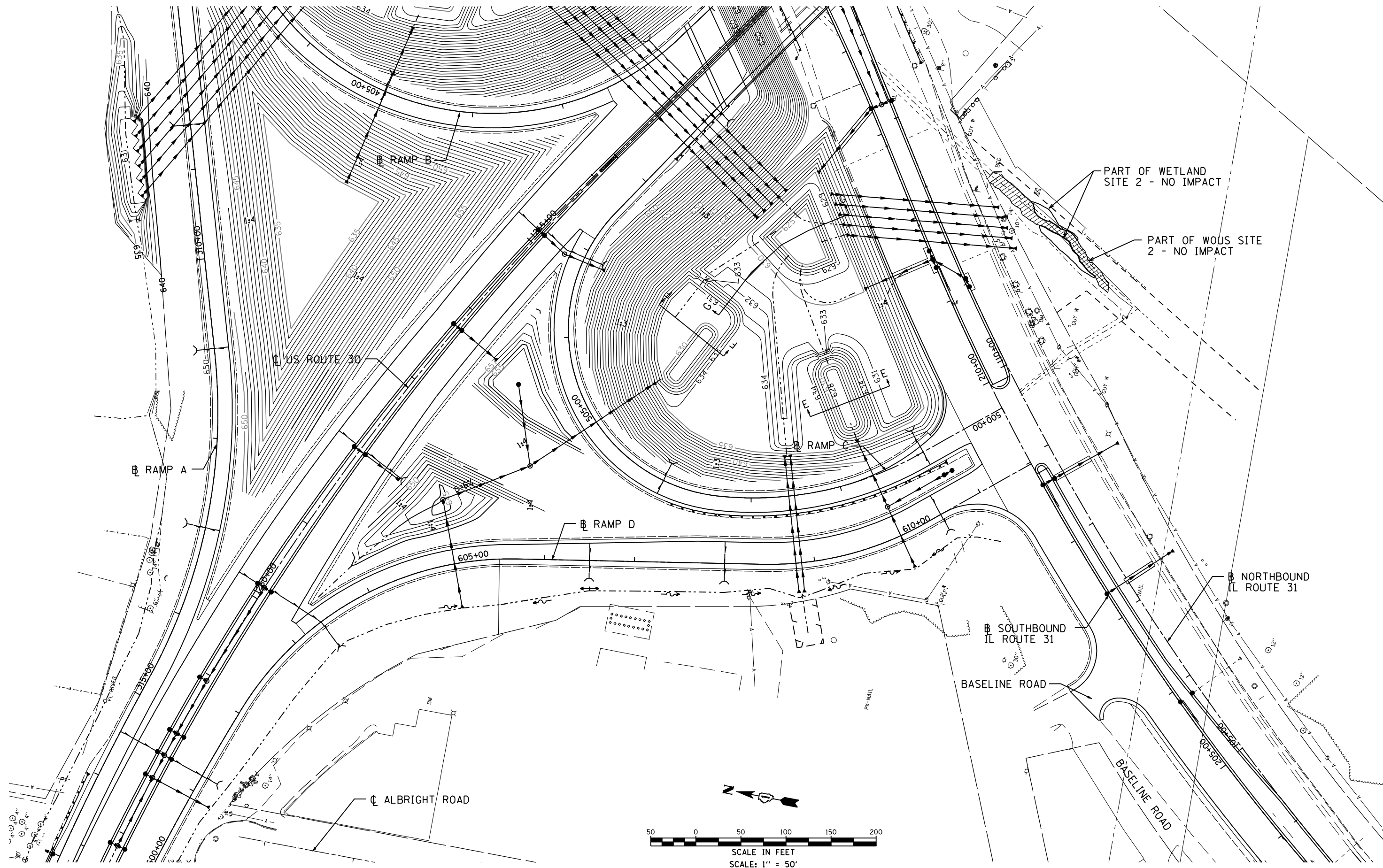
**U.S. ROUTE 30 AT IL ROUTE 31
GRADING PLAN - RAMP A AND RAMP B**

SCALE: 1"=50' SHEET NO. --

F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 149
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

(RAMP A) STA. 300+00 TO STA. 314+75
(RAMP B) STA. 400+00 TO STA. 413+34

5/16/2012 12:24:50 AM

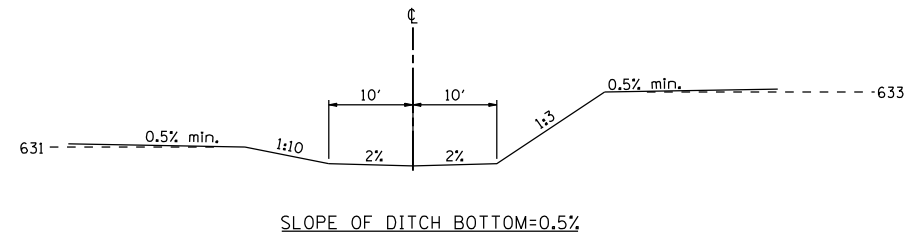


USER NAME = 1654	DESIGNED - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JWB	REVISED -
PLOT DATE = 5/16/2012	CHECKED - RS	REVISED -
	DATE - 05/11/2012	REVISED -

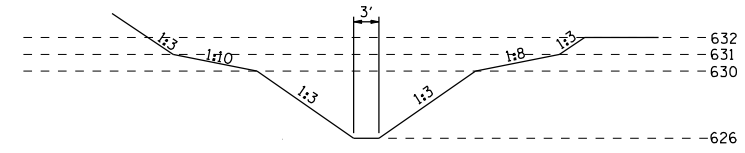
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 30 AT IL ROUTE 31 GRADING PLAN - RAMP C AND RAMP D		F.A.P. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY *	TOTAL SHEETS 507	SHEET NO. 150
SCALE: 1"=50'		SHEET NO. --		CONTRACT NO. 60133		
(RAMP C) STA. 500+00 TO STA. 507+52 (RAMP D) STA. 600+00 TO STA. 609+96		ILLINOIS FED. AID PROJECT				

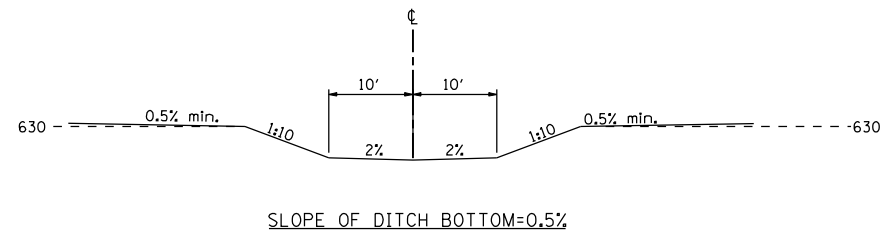
SECTION A-A



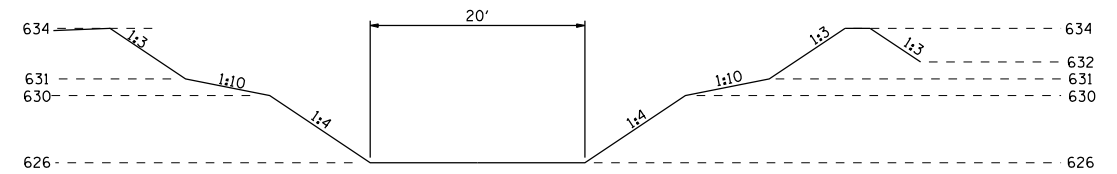
SECTION C-C



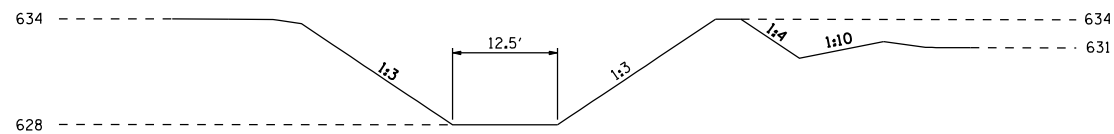
SECTION B-B



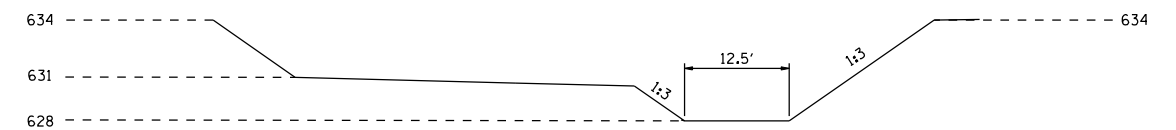
SECTION D-D



SECTION E-E



SECTION F-F



GRADING CROSS SECTIONS

5/16/2012 12:21:54 AM

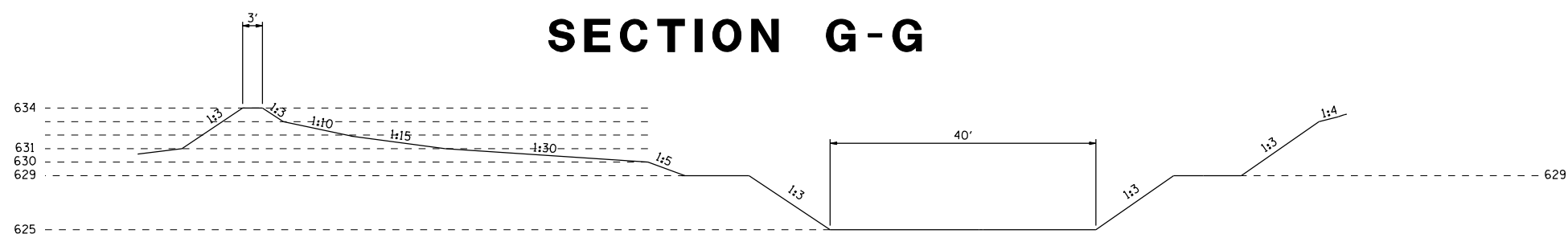
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 22.8571' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
GRADING CROSS SECTIONS AND NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	151
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

SECTION G-G



GRADING CROSS SECTIONS

H:\projects\2010\20100303\CAD\Site\00\0160133-sht-grading-Detail-02.dgn
 6/15/2012 5:57:53 PM

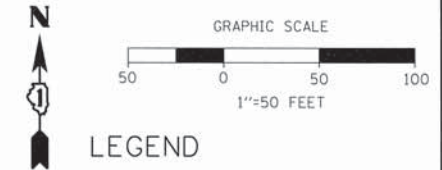
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 22.8571' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
GRADING CROSS SECTIONS AND NOTES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	152
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

PART OF THE SW 1/4 OF SEC. 32, T 38 N, R 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS



PARCEL	OWNER	P.I.N.	TOTAL HOLDING	AREA TAKING	PREVIOUS DEDICATION	AREA REMAINING	EASEMENT AREA	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
1B80010TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE UNDER TRUST AGREEMENT DATED FEBRUARY 9, 1973 KNOWN AS TRUST NO. 2061	15-32-300-009 15-32-401-006	30.876 AC.	13.805 AC.	9.555 AC.	17.071 ACS.	0.234 ACS.	CONSTRUCT.	

*PREVIOUSLY DEDICATED AREA WITHIN THE TAKE=9.291 ACS.

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- PROPOSED CENTER LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

BASIS OF BEARINGS:
BEARINGS ARE REFERENCED TO NAD 83 ILLINOIS STATE PLANE, EAST ZONE (1201)

COORDINATE VALUES
PROJECT COORDINATES ARE IN U.S. SURVEY FEET, SURFACE GROUND COORDINATES, AND CAN BE CONVERTED TO ILLINOIS STATE PLANE NAD 83, EAST ZONE (1201), COORDINATES BY MULTIPLYING THE PROJECT GROUND COORDINATES BY 0.99994281297-COMBINED FACTOR.

- IRON PIPE OR ROD FOUND
- MAG NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1** THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2** IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE.
- T3** IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1** THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2** BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3**
- M** STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M** STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

SURVEYOR'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

THIS IS TO CERTIFY THAT I, DOUGLAS R. MCCLINTIC, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 32, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT OAKBROOK TERRACE, ILLINOIS THIS 13TH DAY OF JUNE, 2010.



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2992
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 30

SECTION: IL 31 TO U.S. 34 COUNTY: KANE
PROJECT: JOB NO.: R-91-014-95
STATION: 38+00 TO STATION: 42+00
SCALE: 1"=50' SHEET 2 OF 20

BUREAU OF LAND ACQUISITION 507 153
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

**IL ROUTE 31
PROPOSED NORTHBOUND
BASE LINE CURVE DATA**

CURVE #4

(107) P.I. STA= 40+40.53
Δ = 02° 01' 38"
(537) R= 10000.55'
T= 176.93'
L= 353.82'
E= 1.57'
(596) P.C. STA= 38+63.60
(595) P.T. STA= 42+17.42

SEE SHEET 16 FOR TOTAL HOLDING OF PARCEL 1B80010TE

SEE SHEET 3

RECEIVED *AL*
APR 06 2011
PLATS & LEGALS

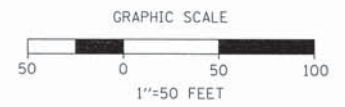
JACOB & HEPNER ASSOCIATES, INC.
ENGINEERS - SURVEYORS
1901 S. Meyers Road, Suite 180
Oakbrook Terrace, IL 60181
(630) 652-4600

REVISION MADE BY

H:\E\622\622.01 ROUTE 30\DRAWINGS\2011\20110606\20110606.SHEET 2.DWG

PART OF THE SW 1/4 OF SEC. 32, T 38 N, R 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS

SEE SHEET 2



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- PROPOSED CENTER LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

BASIS OF BEARINGS:
BEARINGS ARE REFERENCED TO NAD 83 ILLINOIS STATE PLANE, EAST ZONE (1201)

COORDINATE VALUES
PROJECT COORDINATES ARE IN U.S. SURVEY FEET, SURFACE GROUND COORDINATES, AND CAN BE CONVERTED TO ILLINOIS STATE PLANE NAD 83, EAST ZONE (1201), COORDINATES BY MULTIPLYING THE PROJECT GROUND COORDINATES BY 0.99994281297-COMBINED FACTOR.

- IRON PIPE OR ROD FOUND
- MAG NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.**
IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.**
BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.**
MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.**
METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

SURVEYOR'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE) SS

THIS IS TO CERTIFY THAT I, DOUGLAS R. MCCLINTIC, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 32, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN IN KANE COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT OAKBROOK TERRACE, ILLINOIS THIS 13TH DAY OF JUNE, 2010.

DOUGLAS R. MCCLINTIC
35-002992
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
RENEWABLE 11-30-10

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2992
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

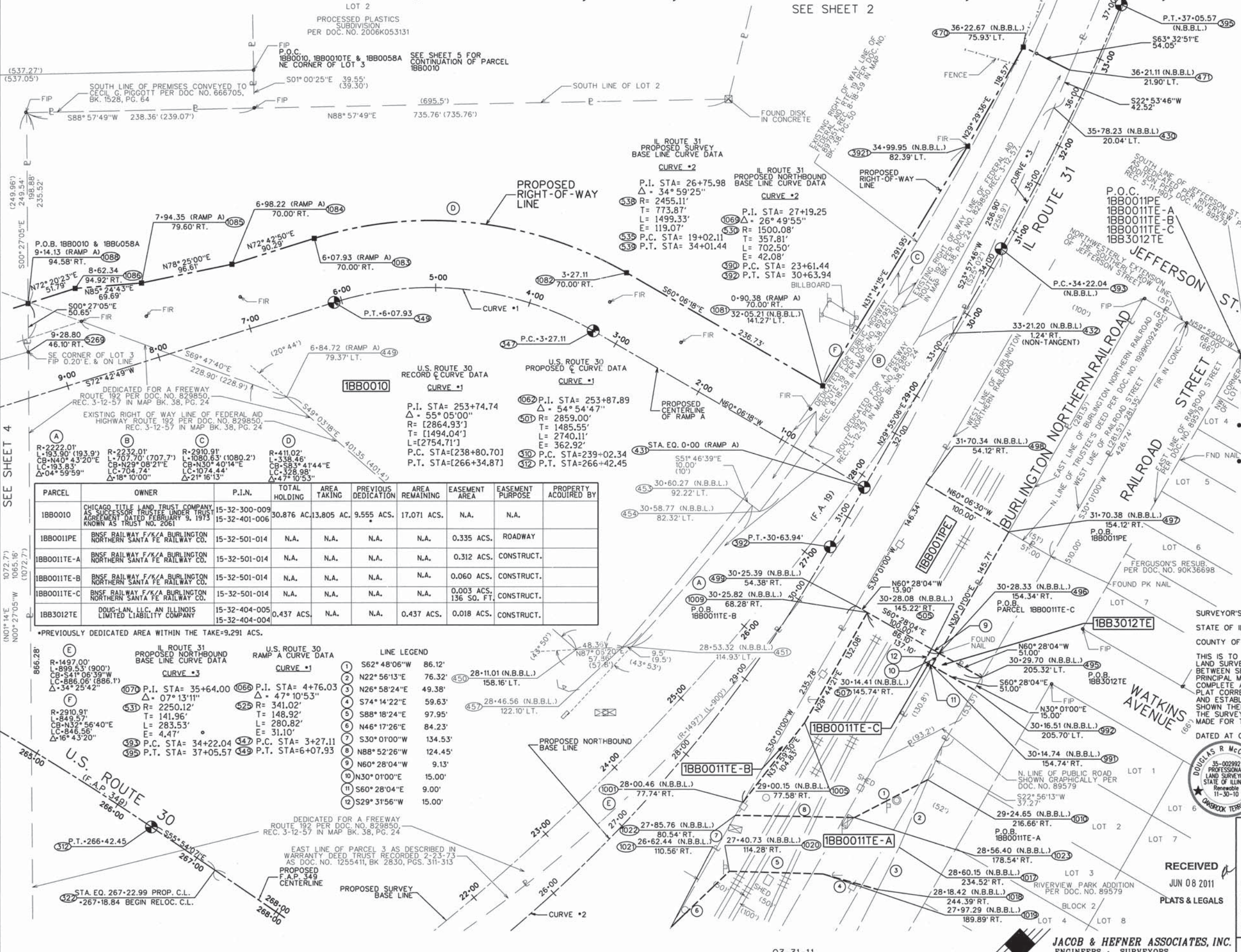
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 30

RECEIVED
JUN 08 2011
PLATS & LEGALS

SECTION: IL 31 TO U.S. 34 COUNTY: KANE
PROJECT: RIVERVIEW PARK ADDITION PER DOC. NO. 89579
STATION: 26+00 TO STATION: 37+00
SCALE: 1"=50' SHEET 3 OF 25

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196
507 154



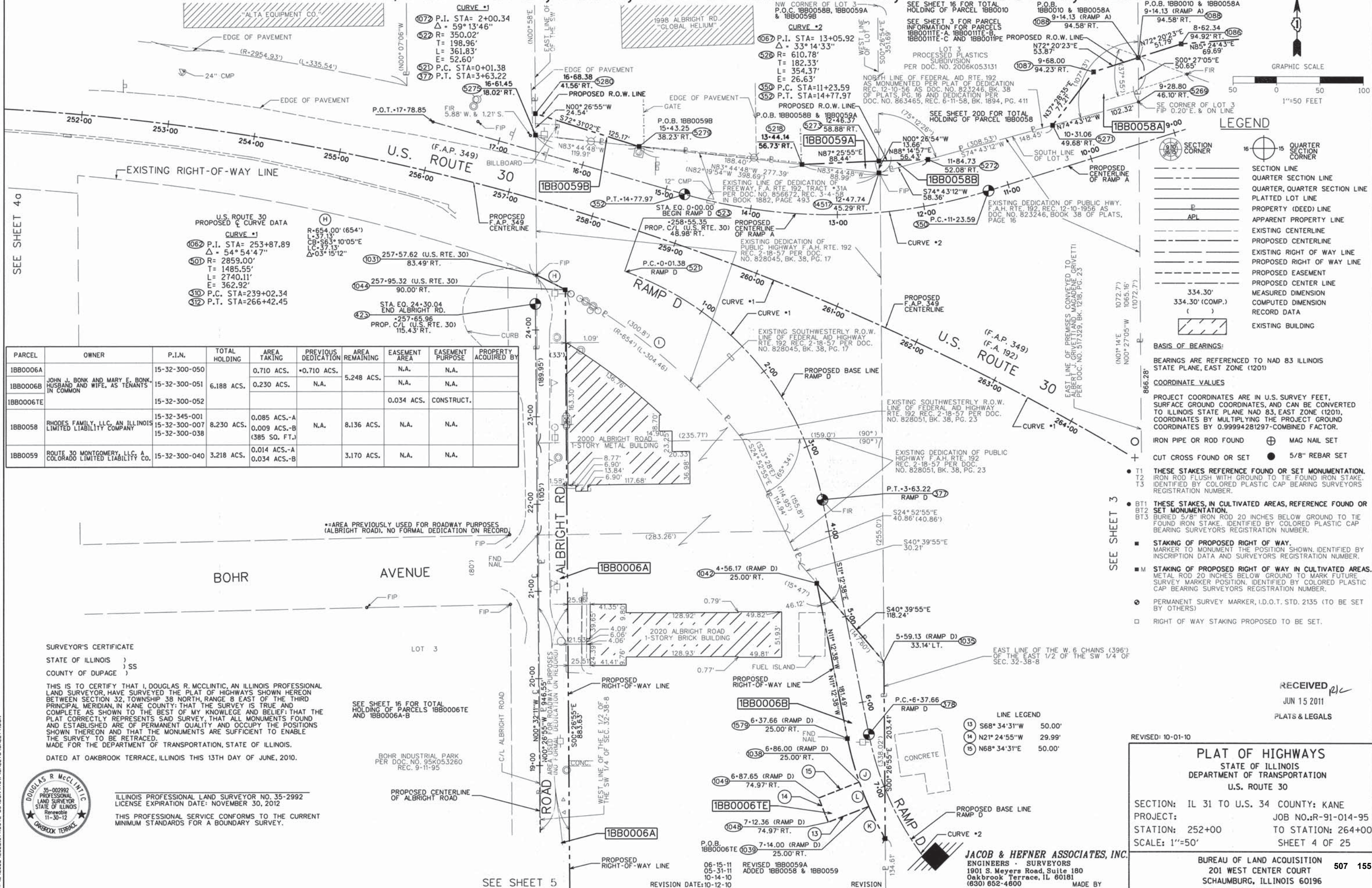
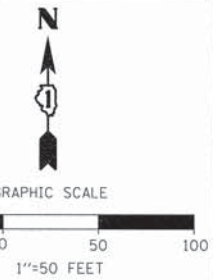
PARCEL	OWNER	P.I.N.	TOTAL HOLDING	AREA TAKING	PREVIOUS DEDICATION	AREA REMAINING	EASEMENT AREA	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
1BB0010	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TRUSTEE UNDER TRUST AGREEMENT DATED FEBRUARY 9, 1973 KNOWN AS TRUST NO. 2061	15-32-300-009 15-32-401-006	30.876 AC.	13,805 AC.	9,555 ACS.	17,071 ACS.	N.A.	N.A.	
1BB0011PE	BNSF RAILWAY F/K/A BURLINGTON NORTHERN SANTA FE RAILWAY CO.	15-32-501-014	N.A.	N.A.	N.A.	N.A.	0.335 ACS.	ROADWAY	
1BB0011TE-A	BNSF RAILWAY F/K/A BURLINGTON NORTHERN SANTA FE RAILWAY CO.	15-32-501-014	N.A.	N.A.	N.A.	N.A.	0.312 ACS.	CONSTRUCT.	
1BB0011TE-B	BNSF RAILWAY F/K/A BURLINGTON NORTHERN SANTA FE RAILWAY CO.	15-32-501-014	N.A.	N.A.	N.A.	N.A.	0.060 ACS.	CONSTRUCT.	
1BB0011TE-C	BNSF RAILWAY F/K/A BURLINGTON NORTHERN SANTA FE RAILWAY CO.	15-32-501-014	N.A.	N.A.	N.A.	N.A.	0.003 ACS. 136 SQ. FT.	CONSTRUCT.	
1BB3012TE	DOUG-LAN, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	15-32-404-005 15-32-404-004	0.437 ACS.	N.A.	N.A.	0.437 ACS.	0.018 ACS.	CONSTRUCT.	

PREVIOUSLY DEDICATED AREA WITHIN THE TAKE=9.291 ACS.

U.S. ROUTE 30 RAMP A CURVE DATA	U.S. ROUTE 30 RAMP B CURVE DATA	U.S. ROUTE 30 RAMP C CURVE DATA
CURVE #1 P.I. STA= 253+74.74 $\Delta = 55^{\circ}05'00''$ R= 2864.93' T= 1494.04' L= [2754.71'] P.C. STA= [238+80.70] P.T. STA= [266+34.87]	CURVE #2 P.I. STA= 26+75.98 $\Delta = 34^{\circ}59'25''$ R= 2455.11' T= 773.87' L= 1499.33' E= 119.07' P.C. STA= 19+02.11 P.T. STA= 34+01.44	CURVE #3 P.I. STA= 35+64.00 $\Delta = 07^{\circ}13'11''$ R= 2250.12' T= 141.96' L= 283.53' E= 4.47' P.C. STA= 34+22.04 P.T. STA= 37+05.57

LINE LEGEND
1 S62°48'06"W 86.12'
2 N22°56'13"E 76.32'
3 N26°58'24"E 49.38'
4 S74°14'22"E 59.63'
5 S88°18'24"E 97.95'
6 N46°17'26"E 84.23'
7 S30°01'00"W 134.53'
8 N88°52'26"W 124.45'
9 N60°28'04"W 9.13'
10 N30°01'00"E 15.00'
11 S60°28'04"E 9.00'
12 S29°31'56"W 15.00'

PART OF THE SW 1/4 OF SEC. 32, T 38 N, R 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS



U.S. ROUTE 30 PROPOSED CURVE DATA

CURVE #1

P.I. STA= 253+87.89
 $\Delta = 54^\circ 54' 47''$
 R= 2859.00'
 T= 1485.55'
 L= 2740.11'
 E= 362.92'

P.C. STA=239+02.34
 P.T. STA=266+42.45

PARCEL	OWNER	P.I.N.	TOTAL HOLDING	AREA TAKING	PREVIOUS DEDICATION	AREA REMAINING	EASEMENT AREA	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
IBB0006A	JOHN J. BOK AND MARY E. BOK, HUSBAND AND WIFE, AS TENANTS IN COMMON	15-32-300-050	0.710 ACS.	*0.710 ACS.	N.A.	5.248 ACS.	N.A.	N.A.	
IBB0006B	RHODES FAMILY, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	15-32-300-051	6.188 ACS.	0.230 ACS.	N.A.	8.136 ACS.	N.A.	N.A.	
IBB0006TE		15-32-300-052				0.034 ACS.	CONSTRUCT.		
IBB0058	ROUTE 30 MONTGOMERY, LLC, A COLORADO LIMITED LIABILITY CO.	15-32-345-001 15-32-300-007 15-32-300-038	8.230 ACS.	0.085 ACS.-A 0.009 ACS.-B (385 SQ. FT.)	N.A.	8.136 ACS.	N.A.	N.A.	
IBB0059		15-32-300-040	3.218 ACS.	0.014 ACS.-A 0.034 ACS.-B		3.170 ACS.	N.A.	N.A.	

SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS)
 COUNTY OF DUPAGE) SS

THIS IS TO CERTIFY THAT I, DOUGLAS R. MCCLINTIC, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 32, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT OAKBROOK TERRACE, ILLINOIS THIS 13TH DAY OF JUNE, 2010.



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2992
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

- LEGEND**
- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APL
 - APPARENT PROPERTY LINE
 - EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - PROPOSED CENTER LINE
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING

- BASIS OF BEARINGS:**
- BEARINGS ARE REFERENCED TO NAD 83 ILLINOIS STATE PLANE, EAST ZONE (1201)
- COORDINATE VALUES**
- PROJECT COORDINATES ARE IN U.S. SURVEY FEET, SURFACE GROUND COORDINATES, AND CAN BE CONVERTED TO ILLINOIS STATE PLANE NAD 83, EAST ZONE (1201), COORDINATES BY MULTIPLYING THE PROJECT GROUND COORDINATES BY 0.99994281297-COMBINED FACTOR.
- IRON PIPE OR ROD FOUND ⊕ MAG NAIL SET
- CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
 - T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE.
 - T3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
 - BT2 BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT3
 - M STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

RECEIVED JUN 15 2011 PLATS & LEGALS

REVISED: 10-01-10

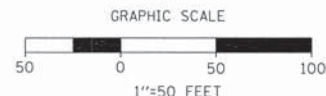
PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 30

SECTION: IL 31 TO U.S. 34 COUNTY: KANE
 PROJECT: JOB NO.: R-91-014-95
 STATION: 252+00 TO STATION: 264+00
 SCALE: 1"=50' SHEET 4 OF 25

BUREAU OF LAND ACQUISITION 507 155
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SEC. 32, T 38 N, R 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- PROPOSED CENTER LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

BASIS OF BEARINGS:
BEARINGS ARE REFERENCED TO NAD 83 ILLINOIS STATE PLANE, EAST ZONE (1201)

COORDINATE VALUES
PROJECT COORDINATES ARE IN U.S. SURVEY FEET, SURFACE GROUND COORDINATES, AND CAN BE CONVERTED TO ILLINOIS STATE PLANE NAD 83, EAST ZONE (1201), COORDINATES BY MULTIPLYING THE PROJECT GROUND COORDINATES BY 0.99994281297-COMBINED FACTOR.

- IRON PIPE OR ROD FOUND
- MAG NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

SEE SHEET 4b

SEE SHEET 4

P.O.C. 18B0060TE & 18B0061TE NW CORNER OF LOT 22
R-2964.93' L-67.79' CB-S84°28'13"E LC-67.79' Δ-01°18'36"

P.O.B. 18B0060TE & 18B0061TE
250-08.55 89.84' LT.
251-09.34 90.05' LT.
251-08.77 100.05' LT.
251-09.34 90.05' LT.
251-85.41 10.04' LT.
250-09.34 79.87' LT.

PROPOSED TEMPORARY EASEMENT LINE
18B0060TE
252-50.00 100.06' LT.
252-50.00 90.06' LT.

U.S. ROUTE 30 PROPOSED RAMP D CURVE DATA
CURVE #1
P.I. STA= 2+00.34
Δ = 59°13'46"
R = 350.02'
T = 198.96'
L = 361.83'
E = 52.60'
P.C. STA=0+01.38
P.T. STA=3+63.22

U.S. ROUTE 30 RAMP A CURVE DATA
CURVE #2
P.I. STA= 13+05.92
Δ = 33°14'33"
R = 610.78'
T = 182.33'
L = 354.37'
E = 26.63'
P.C. STA=11+23.59
P.T. STA=14+77.97

U.S. ROUTE 30 PROPOSED CURVE DATA
CURVE #1
P.I. STA= 253+87.89
Δ = 54°54'47"
R = 2859.00'
T = 1485.55'
L = 2740.11'
E = 362.92'
P.C. STA=239+02.34
P.T. STA=266+42.45

SURVEYOR'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE)
THIS IS TO CERTIFY THAT I, DOUGLAS R. MCCLINTIC, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 32, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT OAKBROOK TERRACE, ILLINOIS THIS 13TH DAY OF JUNE, 2010.



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2992
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PARCEL	OWNER	P.I.N.	TOTAL HOLDING	AREA TAKING	PREVIOUS DEDICATION	AREA REMAINING	EASEMENT AREA	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
18B0006-A		15-32-300-050		0.710 ACS.	0.710 ACS.		N.A.	N.A.	
18B0006-B	JOHN J. BONK AND MARY E. BONK, HUSBAND AND WIFE, AS TENANTS IN COMMON	15-32-300-051	6.188 ACS.	0.230 ACS.	N.A.	5.248 ACS.	N.A.	N.A.	
18B0006-TE		15-32-300-052					0.034 ACS.	CONSTRUCT.	
18B00058	RHODES FAMILY, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	15-32-345-001 15-32-300-007 15-32-300-038	8.230 ACS.	0.085 ACS.-A 0.009 ACS.-B (385 SQ. FT.)	N.A.	8.136 ACS.	N.A.	N.A.	
18B00059	ROUTE 30 MONTGOMERY, LLC, A COLORADO LIMITED LIABILITY CO.	15-32-300-040	3.218 ACS.	0.014 ACS.-A 0.034 ACS.-B		3.170 ACS.	N.A.	N.A.	
18B00060	ALTA INDUSTRIAL EQUIPMENT CO., LLC, A MICHIGAN LIMITED LIABILITY COMPANY	15-32-303-008 15-32-303-007	1.514 ACS.	N.A.	N.A.	1.514 ACS.	0.015 ACS.	CONSTRUCT.	
18B00061	OLD SECOND NATIONAL BANK OF AURORA, TRUSTEE UNDER TRUST NO. 5700	15-32-300-046	0.491 ACS.	N.A.	N.A.	0.491 ACS.	0.101 ACS.	CONSTRUCT.	

**AREA PREVIOUSLY USED FOR ROADWAY PURPOSES (ALBRIGHT ROAD). NO FORMAL DEDICATION ON RECORD.

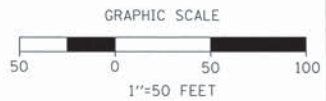
RECEIVED
SEP 27 2011
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 30

SECTION: IL 31 TO U.S. 34 COUNTY: KANE
PROJECT: JOB NO.: R-91-014-95
STATION: 250+00 TO STATION: 262+00
SCALE: 1"=50' SHEET 4a OF 25

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

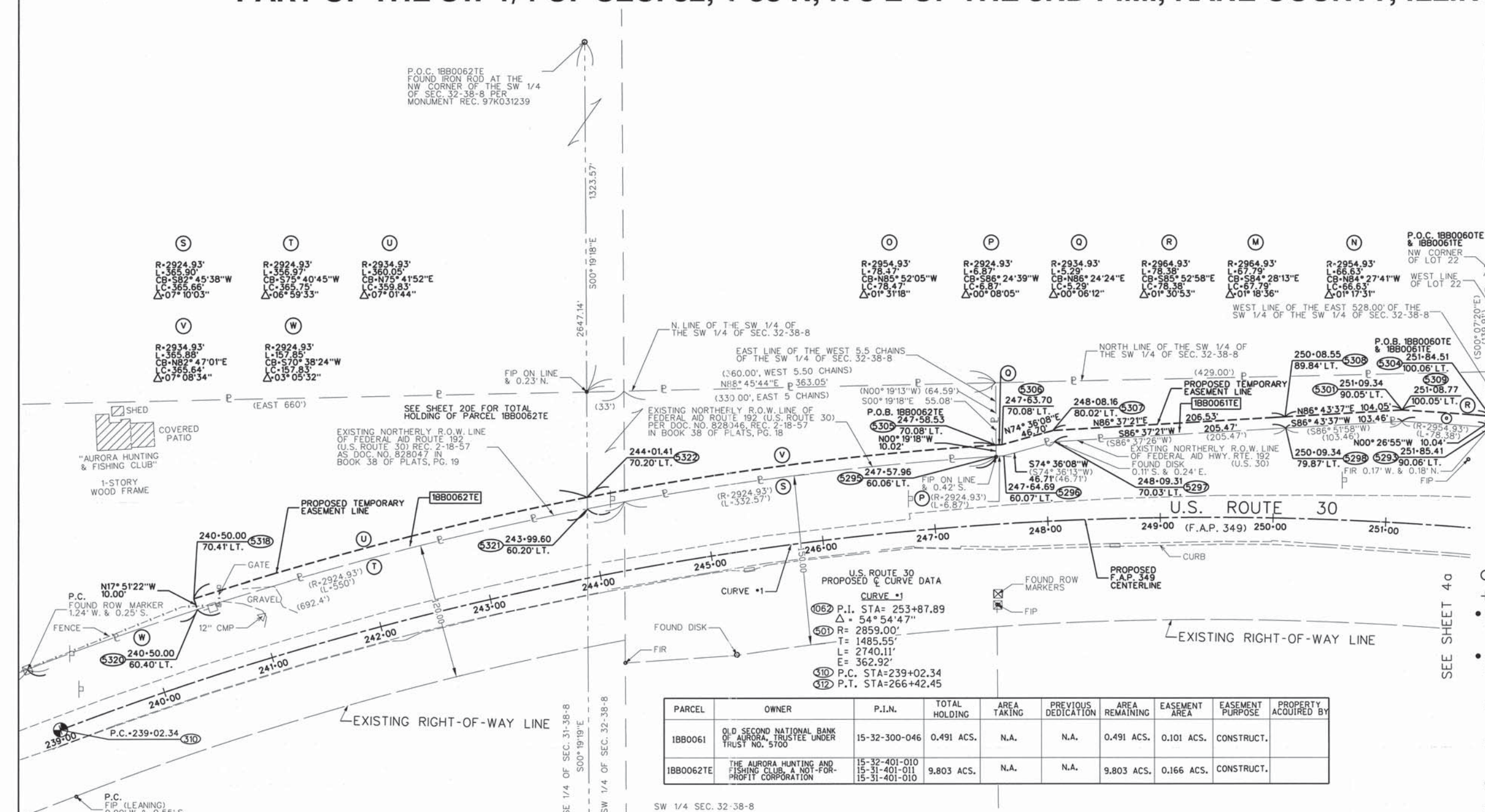
PART OF THE SW 1/4 OF SEC. 32, T 38 N, R 8 E OF THE 3RD P.M., KANE COUNTY, ILLINOIS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- PROPOSED CENTERLINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

- BASIS OF BEARINGS:**
BEARINGS ARE REFERENCED TO NAD 83 ILLINOIS STATE PLANE, EAST ZONE (1201)
- COORDINATE VALUES**
PROJECT COORDINATES ARE IN U.S. SURVEY FEET, SURFACE GROUND COORDINATES, AND CAN BE CONVERTED TO ILLINOIS STATE PLANE NAD 83, EAST ZONE (1201), COORDINATES BY MULTIPLYING THE PROJECT GROUND COORDINATES BY 0.99994281297-COMBINED FACTOR.
- IRON PIPE OR ROD FOUND
 - MAG NAIL SET
 - CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - THESE STAKES REFERENCED FOUND OR SET MONUMENTATION. IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS' REGISTRATION NUMBER.
 - THESE STAKES, IN CULTIVATED AREAS, REFERENCED FOUND OR SET MONUMENTATION. BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS' REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS' REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS' REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.



PARCEL	OWNER	P.I.N.	TOTAL HOLDING	AREA TAKING	PREVIOUS DEDICATION	AREA REMAINING	EASEMENT AREA	EASEMENT PURPOSE	PROPERTY ACQUIRED BY
1B80061	OLD SECOND NATIONAL BANK OF AURORA, TRUSTEE UNDER TRUST NO. 5700	15-32-300-046	0.491 ACS.	N.A.	N.A.	0.491 ACS.	0.101 ACS.	CONSTRUCT.	
1B80062TE	THE AURORA HUNTING AND FISHING CLUB, A NOT-FOR-PROFIT CORPORATION	15-32-401-010 15-31-401-011 15-31-401-010	9.803 ACS.	N.A.	N.A.	9.803 ACS.	0.166 ACS.	CONSTRUCT.	

SW 1/4 SEC. 32-38-8

SURVEYOR'S CERTIFICATE
STATE OF ILLINOIS)
COUNTY OF DUPAGE)SS

THIS IS TO CERTIFY THAT I, DOUGLAS R. MCCLINTIC, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 32, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT OAKBROOK TERRACE, ILLINOIS THIS 13TH DAY OF JUNE, 2010.



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2922
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FOUND SURVEY MARKER AT THE SW CORNER OF SEC. 32-38-8 PER MONUMENT REC. 1359533

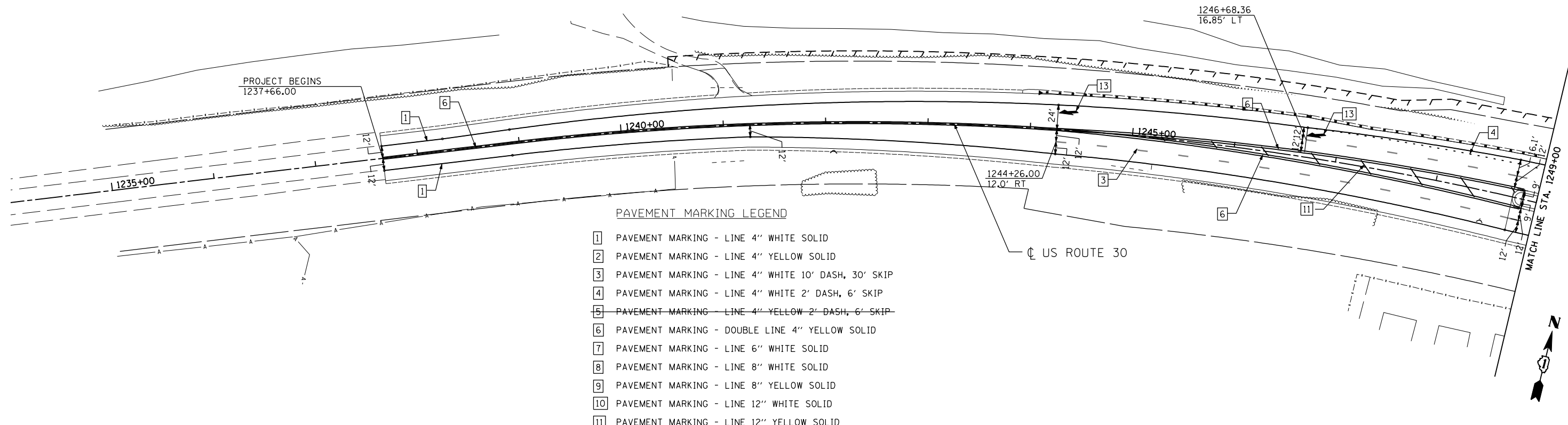
RECEIVED
JUN 13 2011
PK
PLATS & LEGALS

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 30

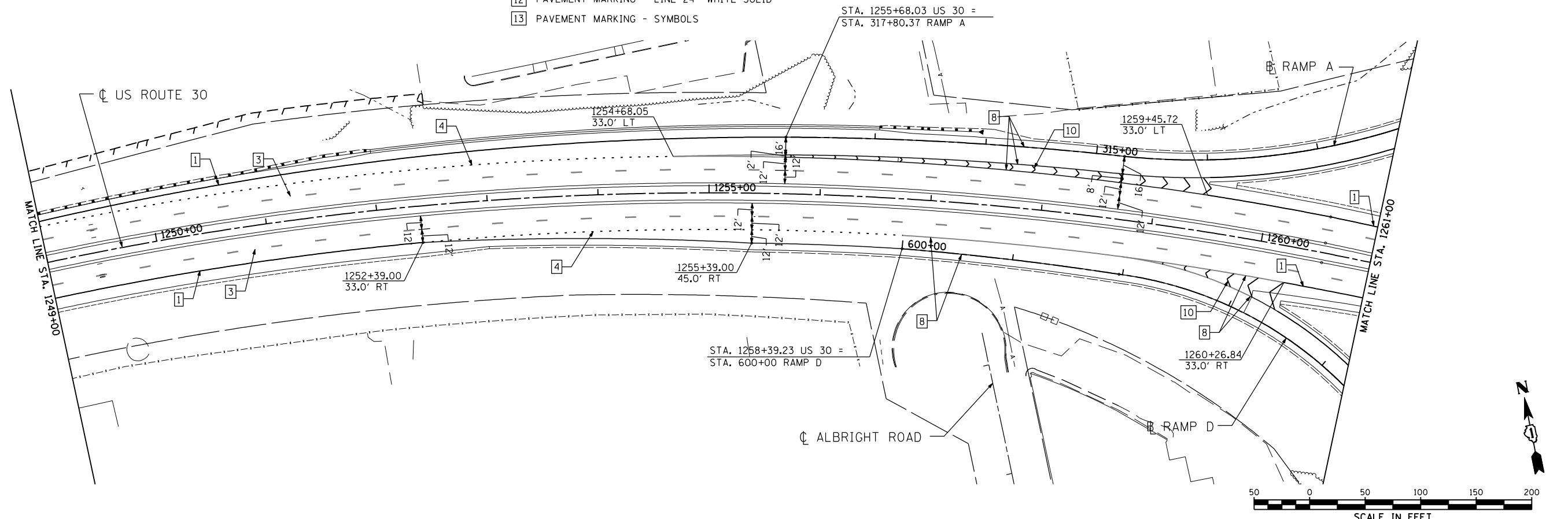
SECTION: IL 31 TO U.S. 34 COUNTY: KANE
PROJECT: JOB NO.: R-91-014-95
STATION: 239+00 TO STATION: 251+00
SCALE: 1"=50' SHEET 4b OF 25

BUREAU OF LAND ACQUISITION 507 157
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

JACOB & HEFNER ASSOCIATES, INC.
ENGINEERS - SURVEYORS
1901 S. Meyers Road, Suite 180
Oakbrook Terrace, IL 60181
(630) 852-4800
MADE BY



- PAVEMENT MARKING LEGEND
- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
 - 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
 - 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
 - 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
 - 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
 - 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
 - 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
 - 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
 - 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
 - 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
 - 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
 - 13 PAVEMENT MARKING - SYMBOLS



\$FILE# 5/16/2012 12:33:01 AM

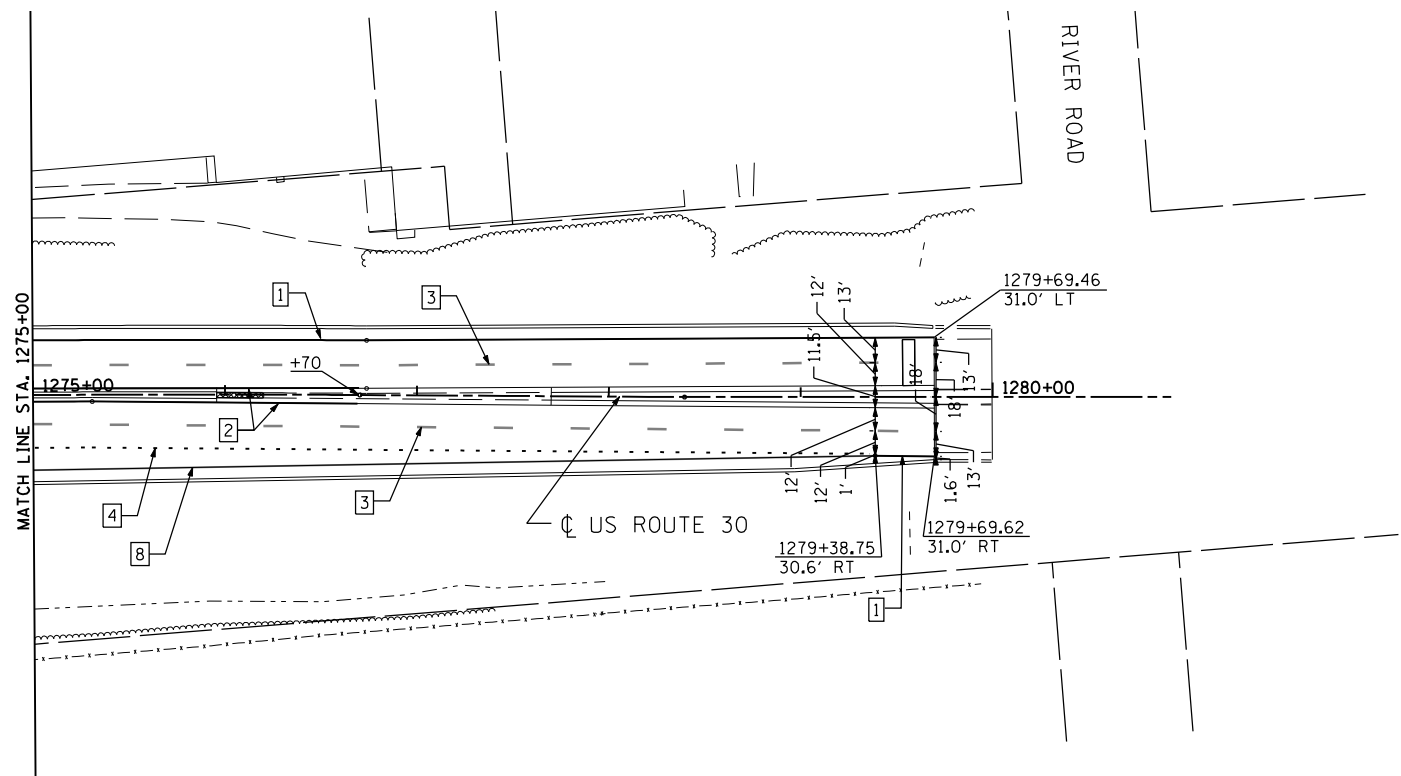
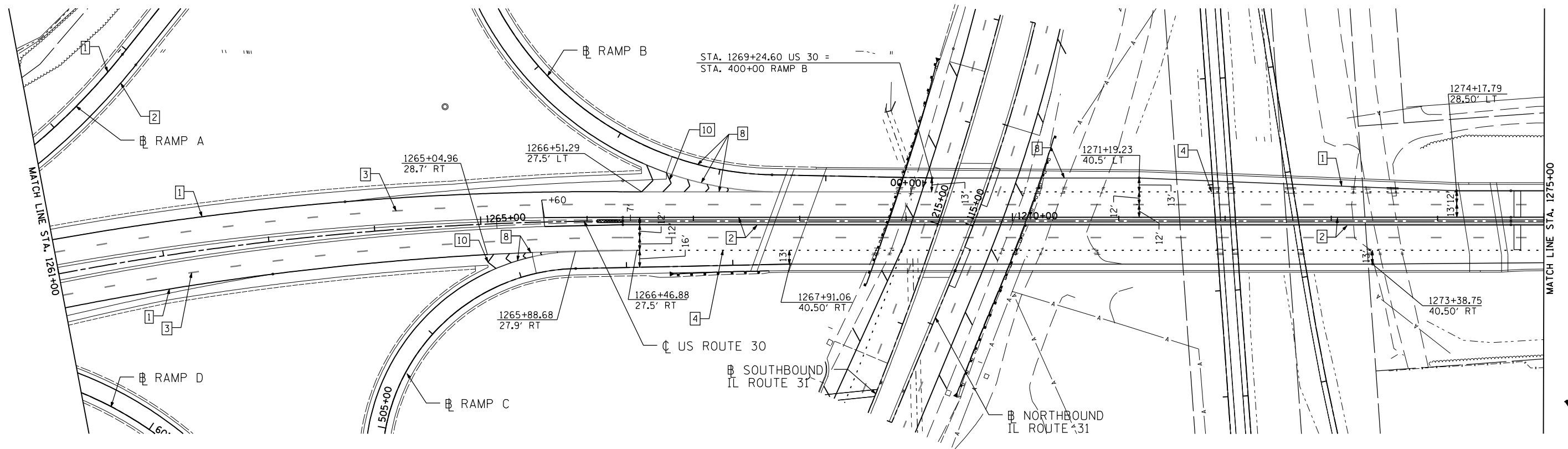
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
PAVEMENT MARKING PLAN - U.S. ROUTE 30

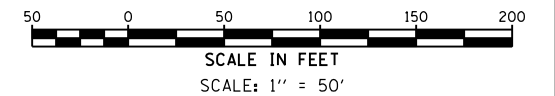
SCALE: 1"=50' SHEET NO. -- STA. 1234+00 TO STA. 1261+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	158
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
- 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
- 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
- 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
- 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
- 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
- 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
- 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
- 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
- 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
- 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
- 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
- 13 PAVEMENT MARKING - SYMBOLS



5/16/2012 12:33:07 AM

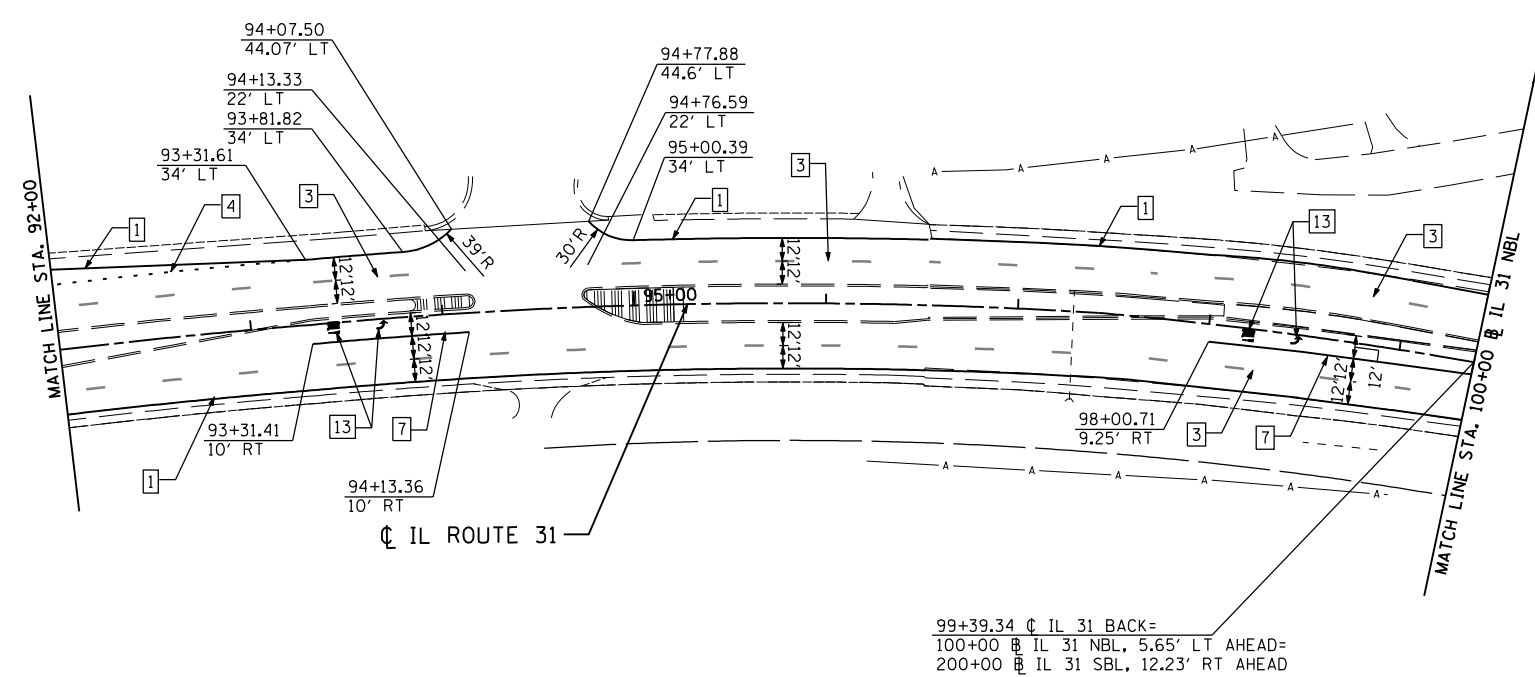
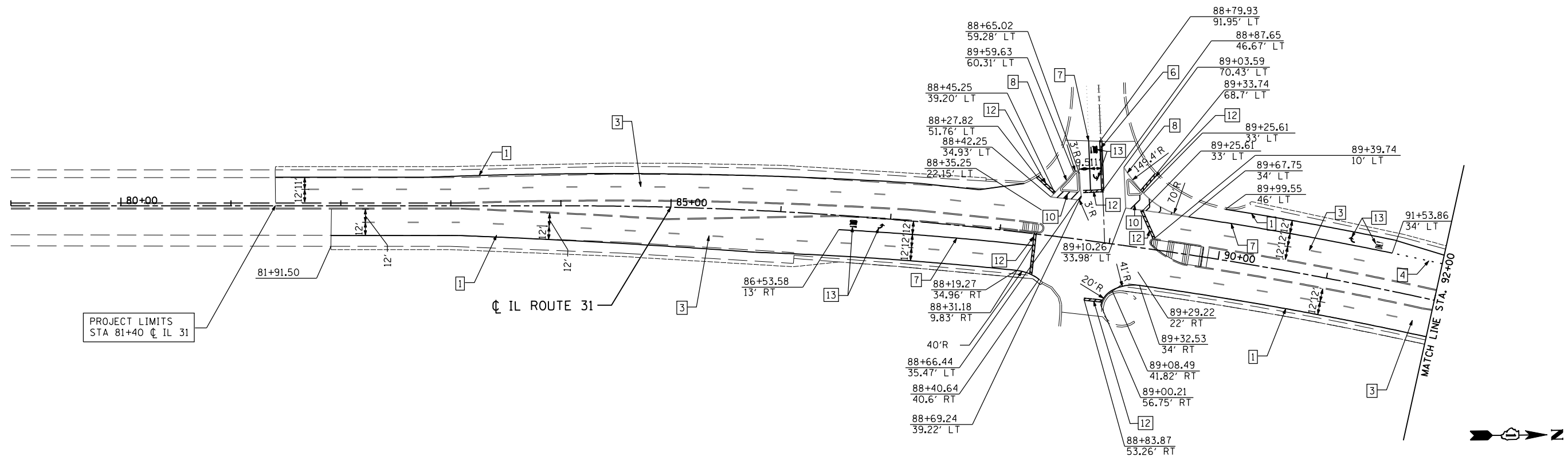
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
PAVEMENT MARKING PLAN - U.S. ROUTE 30

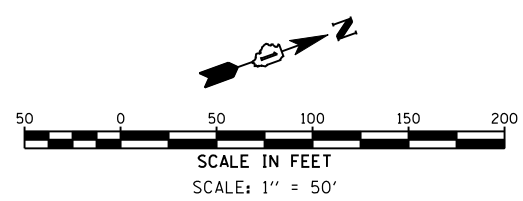
SCALE: 1"=50' SHEET NO. -- STA. 1261+00 TO STA. 1280+93

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	159
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
 - 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
 - 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
 - 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
 - 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
 - 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
 - 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
 - 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
 - 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
 - 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
 - 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
 - 13 PAVEMENT MARKING - SYMBOLS

99+39.34 CL IL 31 BACK=
 100+00 CL IL 31 NBL, 5.65' LT AHEAD=
 200+00 CL IL 31 SBL, 12.23' RT AHEAD



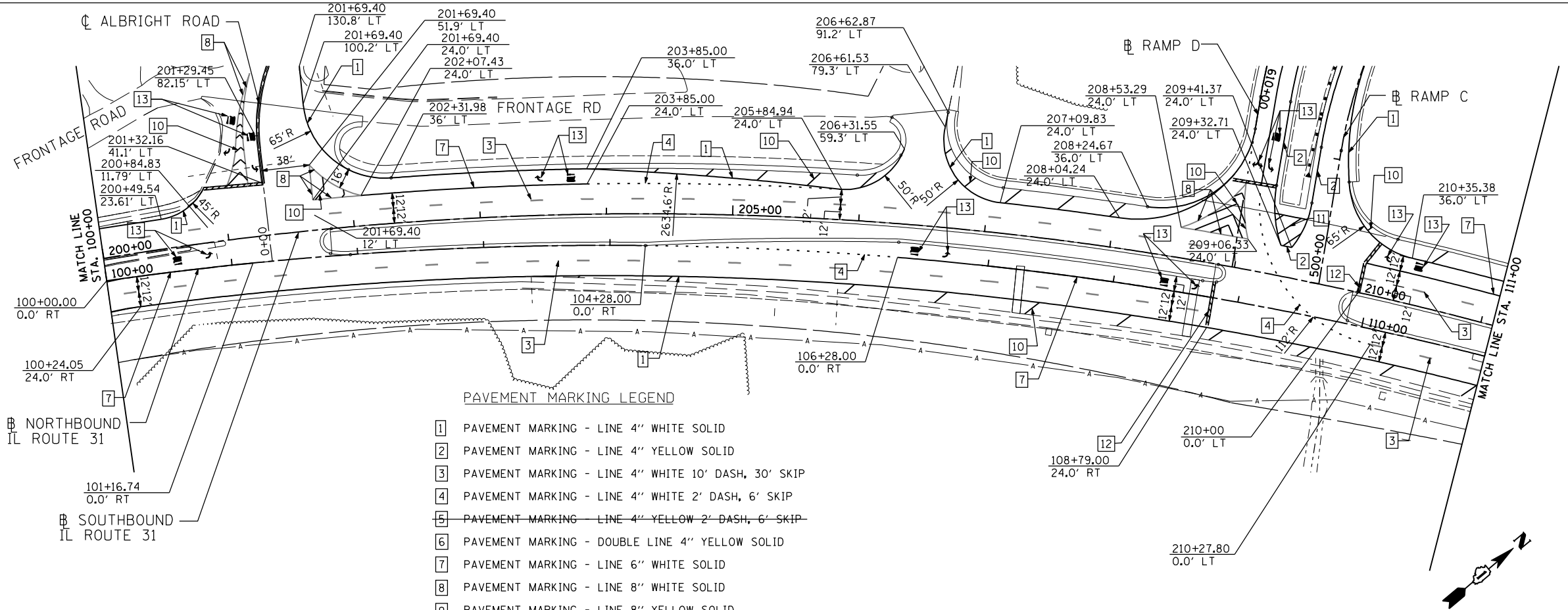
H:\Jobs\2010\20100303\CAD\Stre\vdgn\00\0160133-sht+pmk-03-.dgn
 6/15/2012 5:58:38 PM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

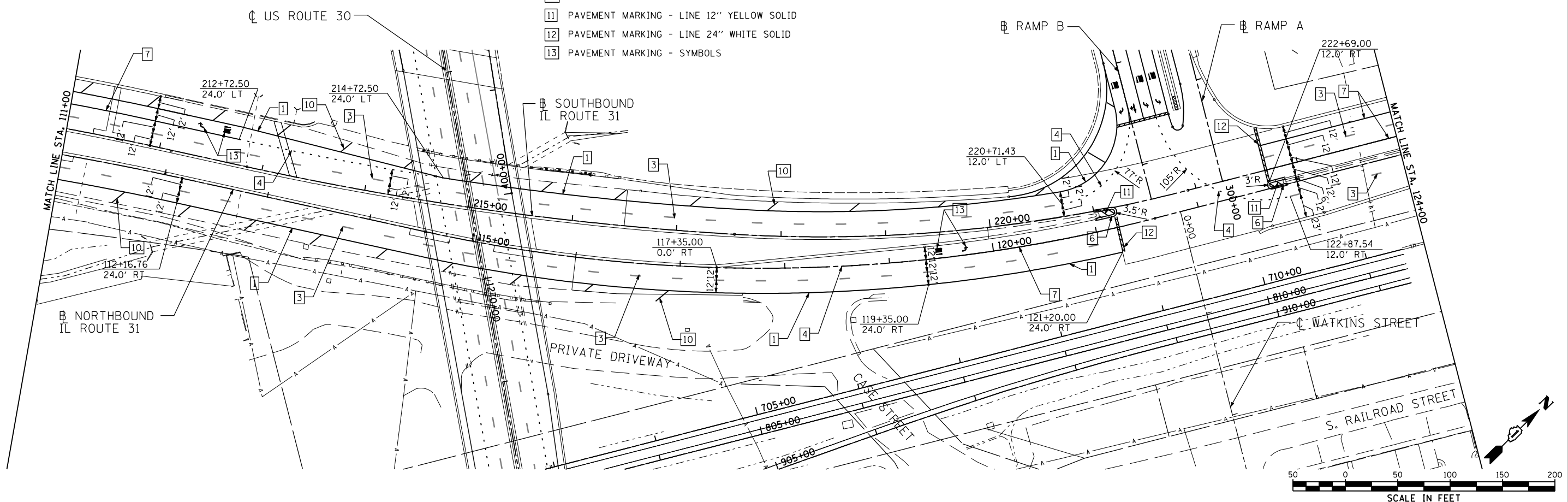
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 30 AT IL ROUTE 31 PAVEMENT MARKING PLAN - IL ROUTE 31		
SCALE: 1"=50'	SHEET NO. --	STA. 79+00 TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	180
* KANE AND KENDALL		CONTRACT NO. 60133		
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
 - 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
 - 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
 - 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
 - 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
 - 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
 - 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
 - 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
 - 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
 - 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
 - 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
 - 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
 - 13 PAVEMENT MARKING - SYMBOLS



H:\Jobs\2010\20100303\CAD\1\stre\dgn\00\0160133-sht+pmk-03-2.dgn
 6/15/2012 5:55:05 PM

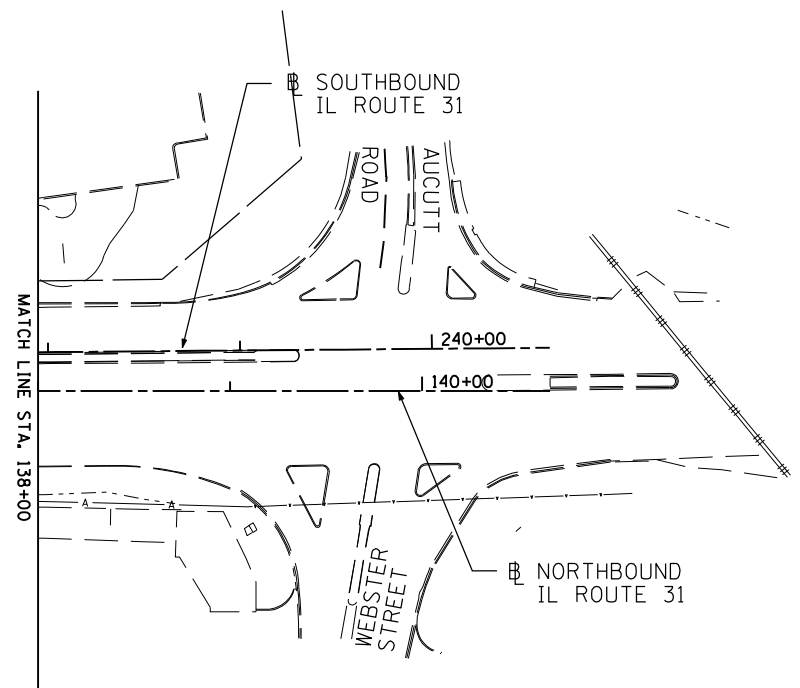
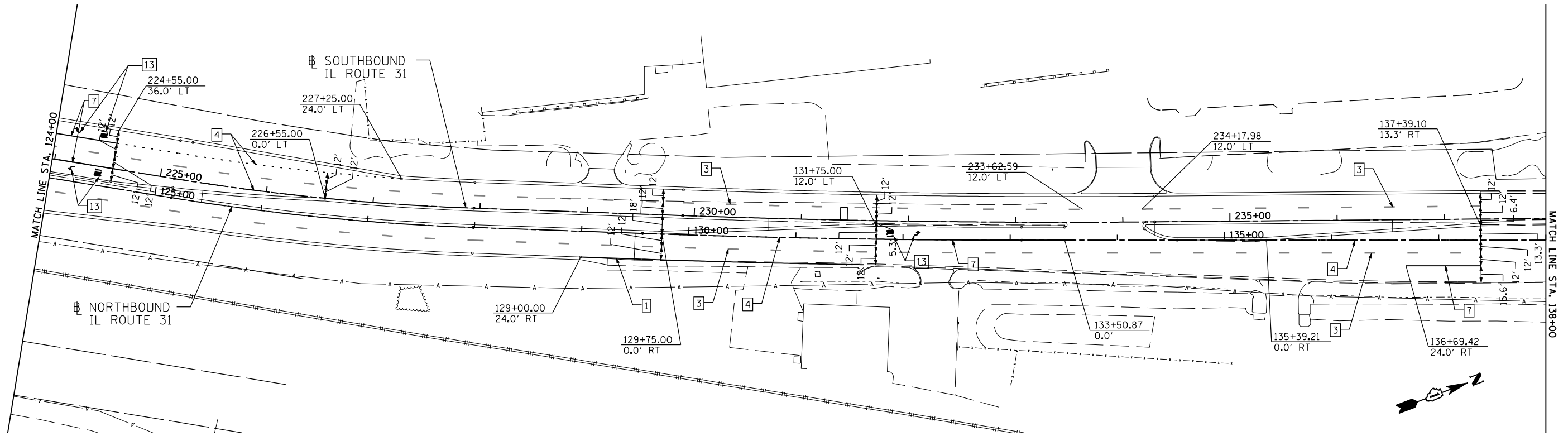
USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
 PAVEMENT MARKING PLAN - IL ROUTE 31**

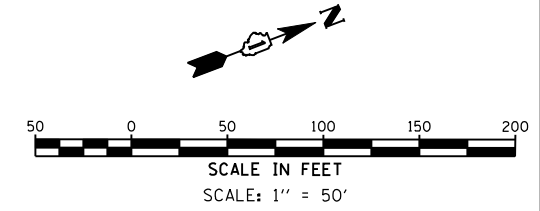
SCALE: 1"=50' SHEET NO. -- STA. 100+00 TO STA. 124+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	161
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
- 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
- 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
- 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
- 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
- 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
- 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
- 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
- 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
- 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
- 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
- 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
- 13 PAVEMENT MARKING - SYMBOLS



5/16/2012 12:31:28 AM
 5/16/2012

USER NAME = 1654	DESIGNED - JWB	REVISED -
DRAWN - JWB	REVISIONS -	
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

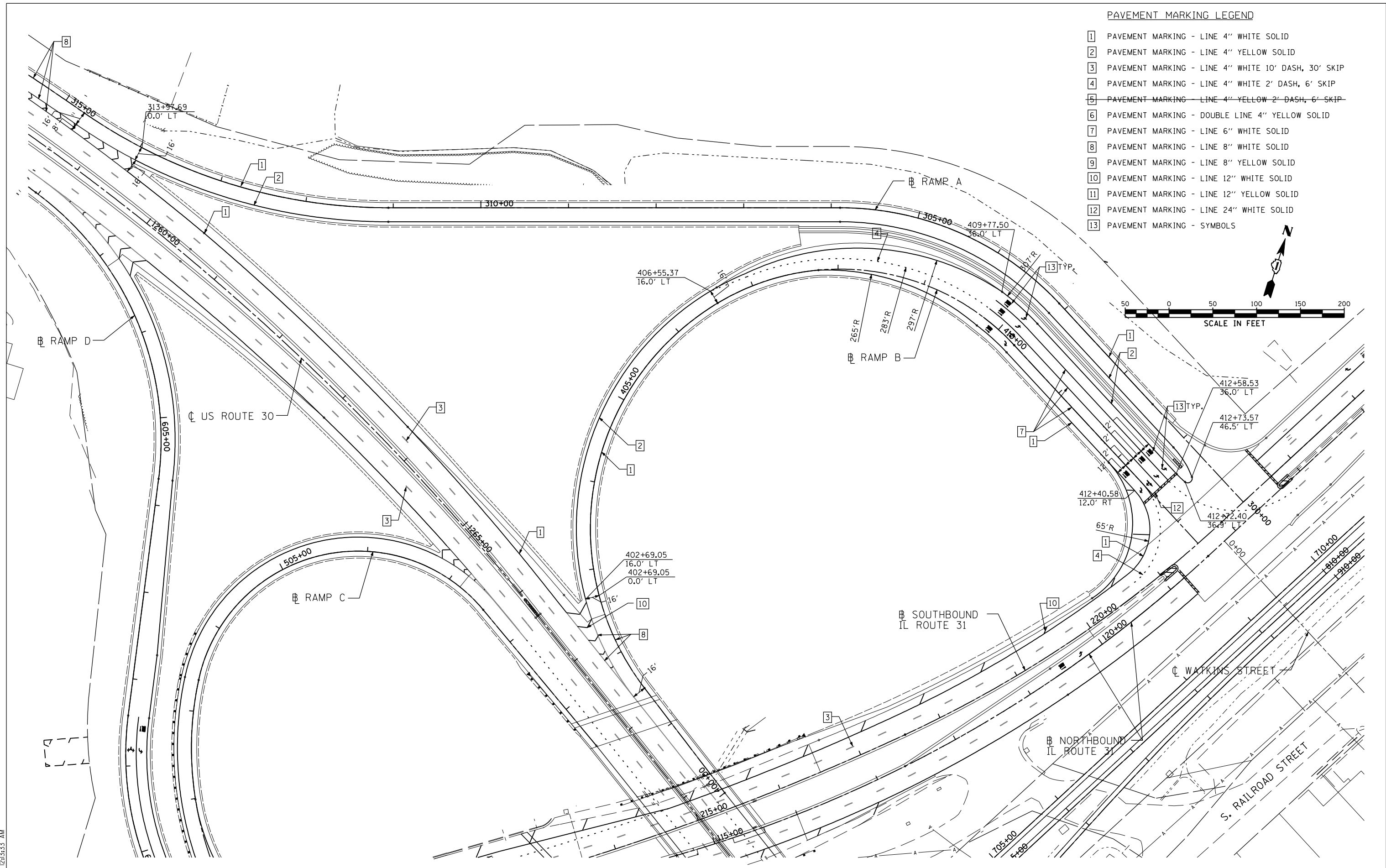
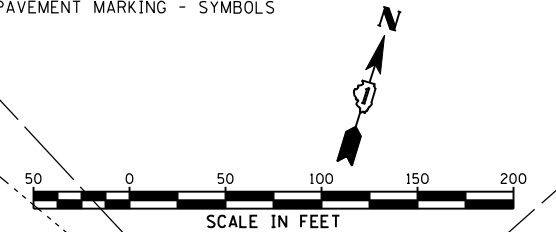
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
PAVEMENT MARKING PLAN - IL RTE 31
 SCALE: 1"=50' SHEET NO. -- (IL 31) STA. 124+00 TO STA. 140+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	162
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
- 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
- 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
- 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
- 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
- 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
- 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
- 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
- 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
- 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
- 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
- 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
- 13 PAVEMENT MARKING - SYMBOLS



\$FILE# 5/16/2012 12:31:33 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

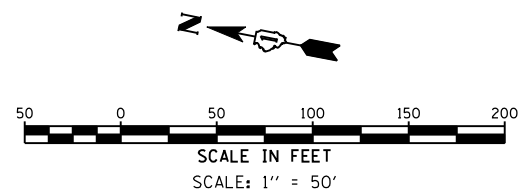
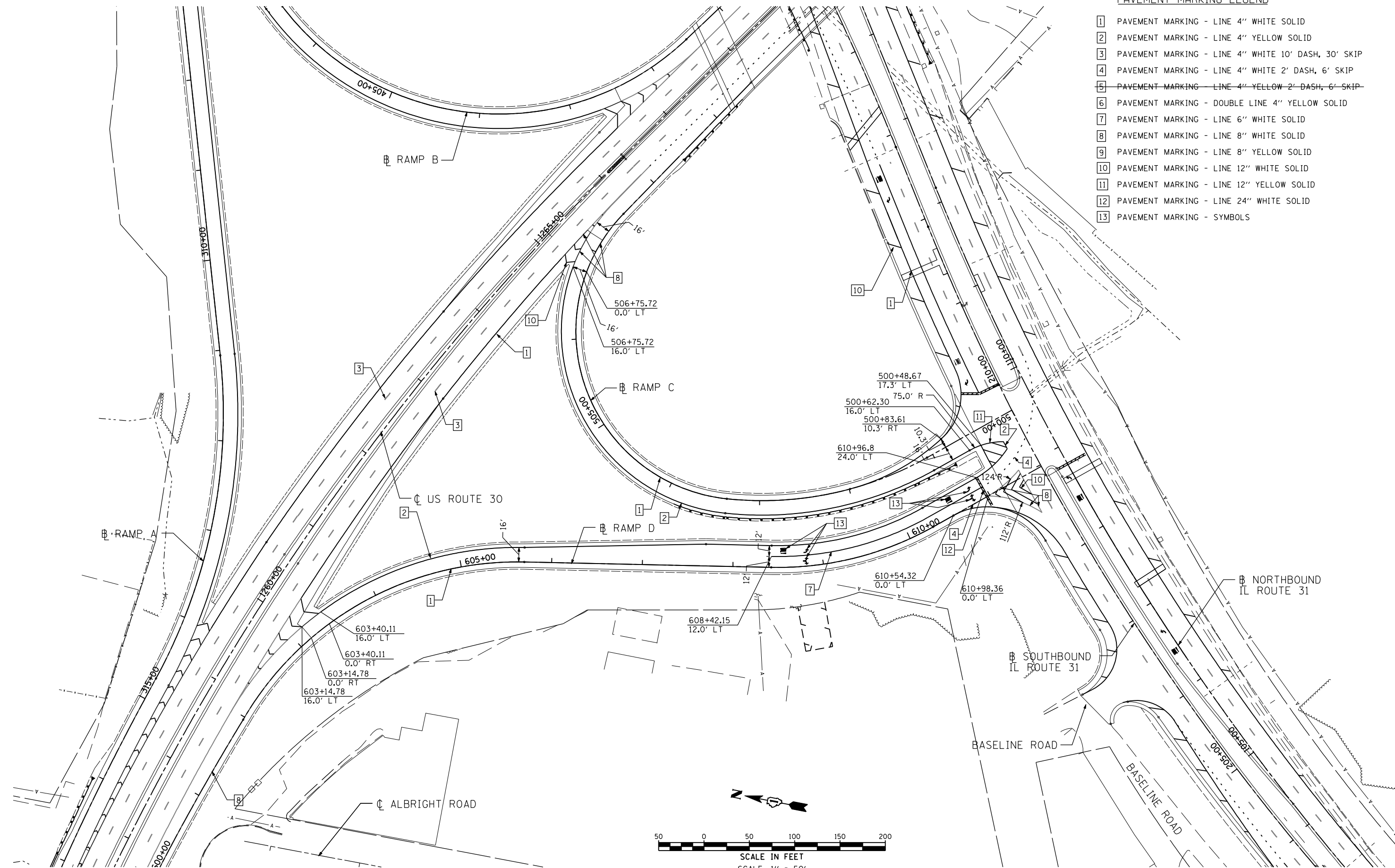
**U.S. ROUTE 30 AT IL ROUTE 31
PAVEMENT MARKING PLAN - RAMP A AND RAMP B**

SCALE: 1"=50' SHEET NO. -- (RAMP A) STA. 300+00 TO STA. 314+75
 (RAMP B) STA. 400+00 TO STA. 413+34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	163
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- 1 PAVEMENT MARKING - LINE 4" WHITE SOLID
- 2 PAVEMENT MARKING - LINE 4" YELLOW SOLID
- 3 PAVEMENT MARKING - LINE 4" WHITE 10' DASH, 30' SKIP
- 4 PAVEMENT MARKING - LINE 4" WHITE 2' DASH, 6' SKIP
- 5 PAVEMENT MARKING - LINE 4" YELLOW 2' DASH, 6' SKIP
- 6 PAVEMENT MARKING - DOUBLE LINE 4" YELLOW SOLID
- 7 PAVEMENT MARKING - LINE 6" WHITE SOLID
- 8 PAVEMENT MARKING - LINE 8" WHITE SOLID
- 9 PAVEMENT MARKING - LINE 8" YELLOW SOLID
- 10 PAVEMENT MARKING - LINE 12" WHITE SOLID
- 11 PAVEMENT MARKING - LINE 12" YELLOW SOLID
- 12 PAVEMENT MARKING - LINE 24" WHITE SOLID
- 13 PAVEMENT MARKING - SYMBOLS



\$FILE# 5/16/2012 12:31:40 AM

USER NAME = 1654	DESIGNED - JWB	REVISED -
	DRAWN - JWB	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED - RS	REVISED -
PLOT DATE = 5/16/2012	DATE - 05/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

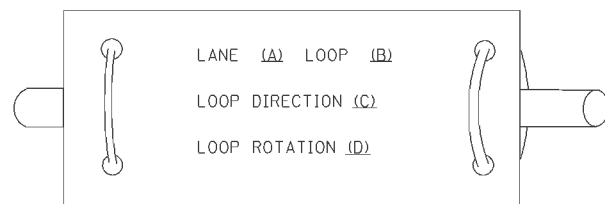
U.S. ROUTE 30 AT IL ROUTE 31
PAVEMENT MARKING PLAN - RAMP C AND RAMP D
 SCALE: 1"=50' SHEET NO. --

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	164
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

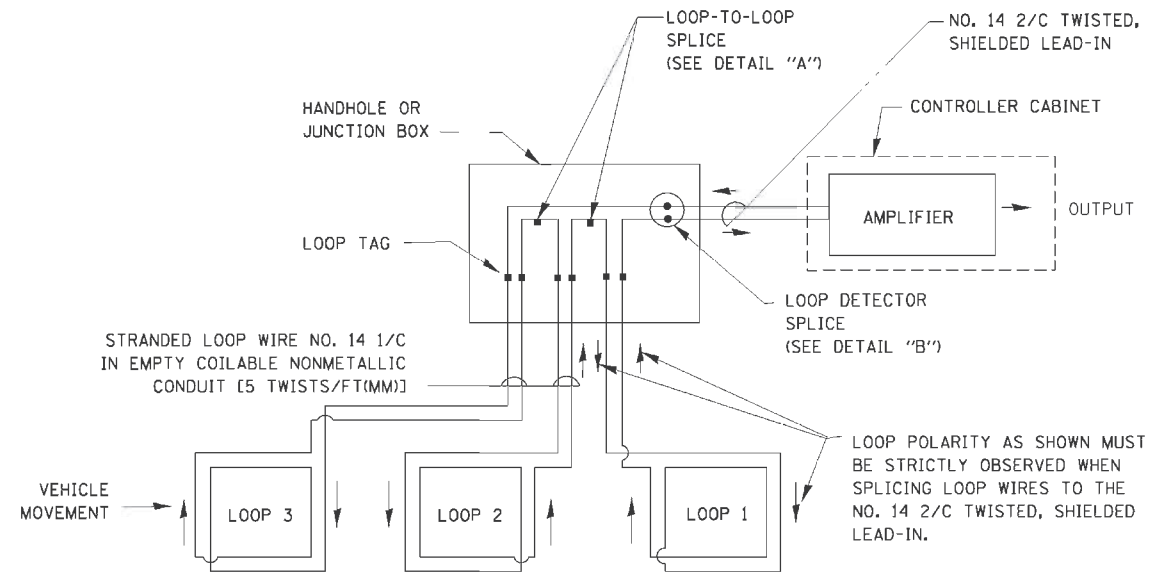
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

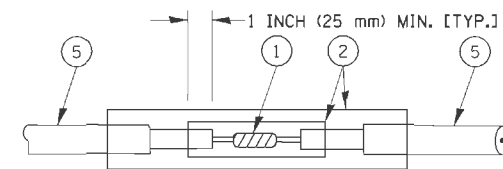


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

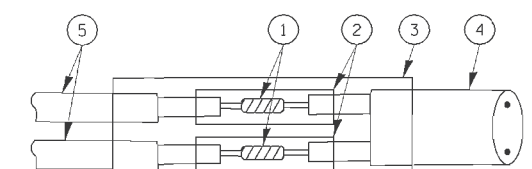


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

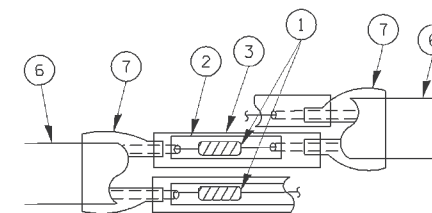


**DETAIL "A"
 LOOP-TO-LOOP SPLICE**

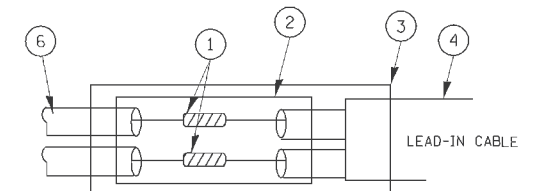


**DETAIL "B"
 LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
 LOOP-TO-LOOP SPLICE**



**DETAIL "B"
 LOOP-TO-CONTROLLER SPLICE**

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PREFORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

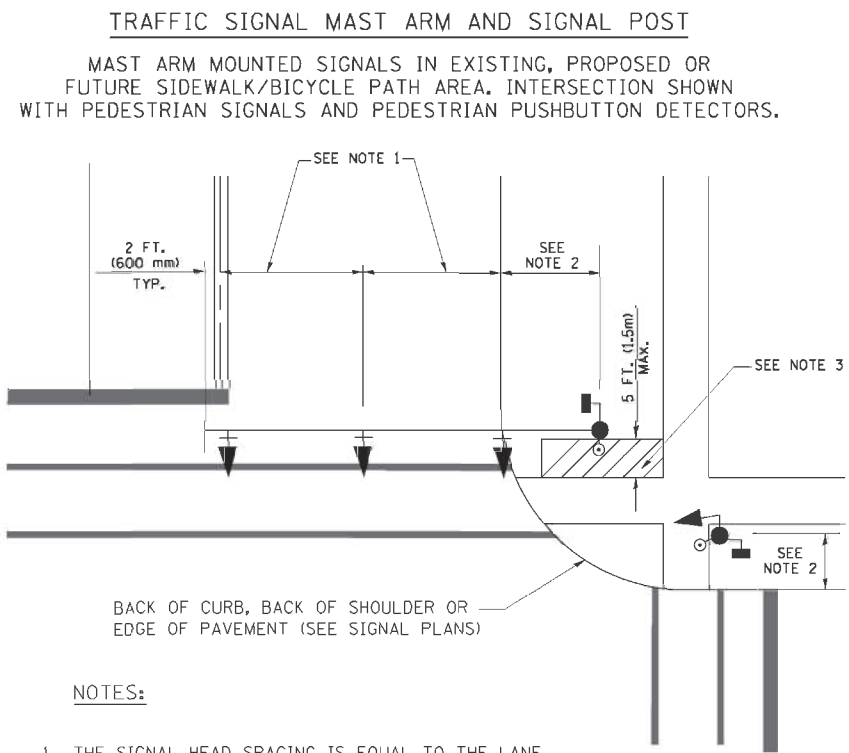
FILE NAME =	USER NAME = *USER*	DESIGNED - KMM	REVISED -
K:\Projects\090864\Design\Sheet Files\0133\DOT DETAIL.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -
	PLOT DATE = 5/7/2012	DATE - 5/11/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

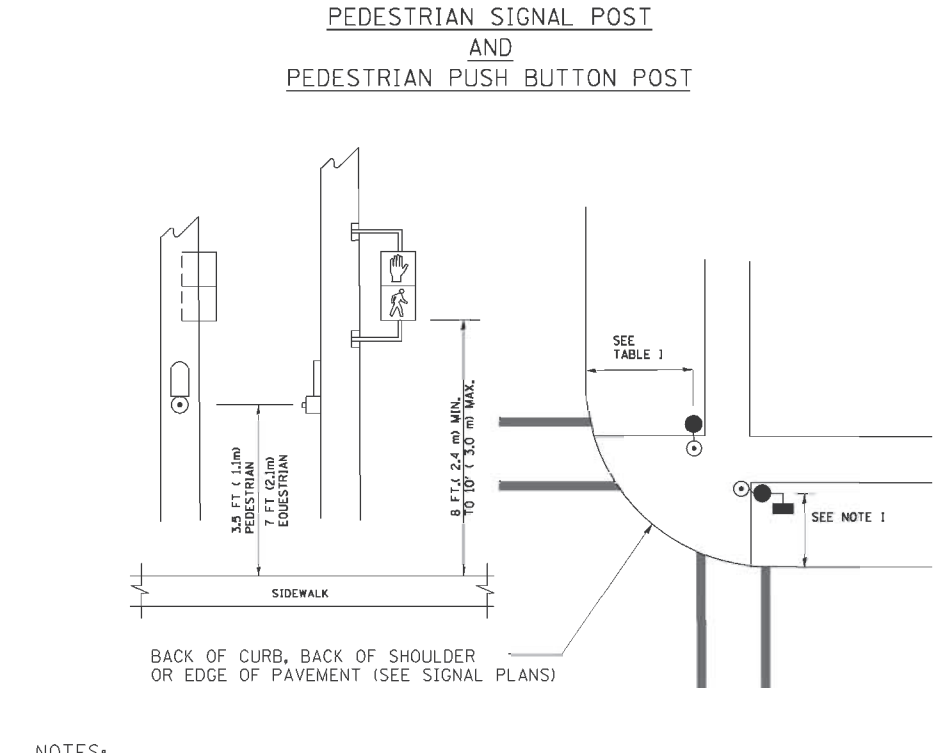
DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 6 SHEETS STA. TO STA.

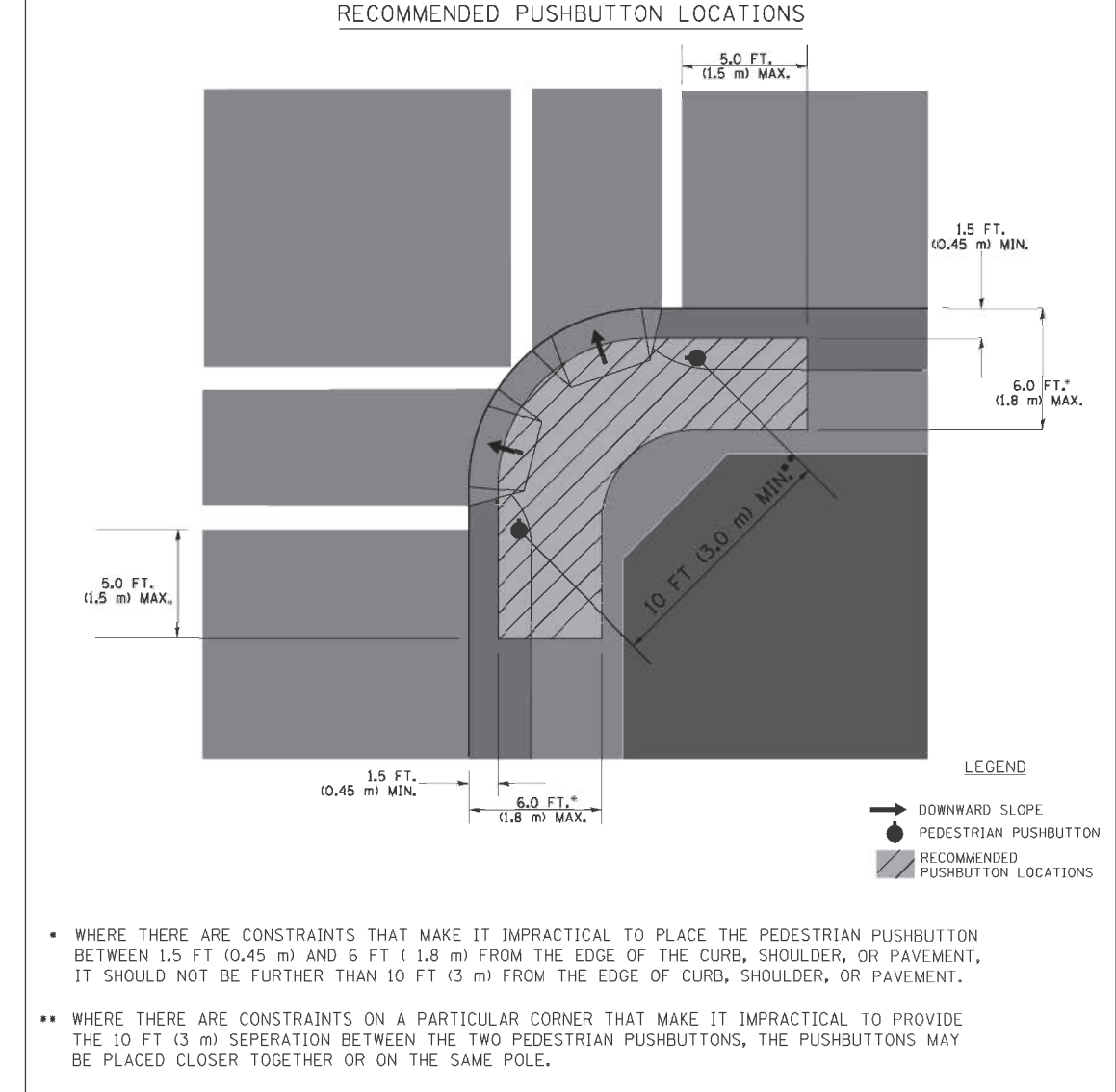
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	165
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."



- NOTES:**
1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
 2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
 3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

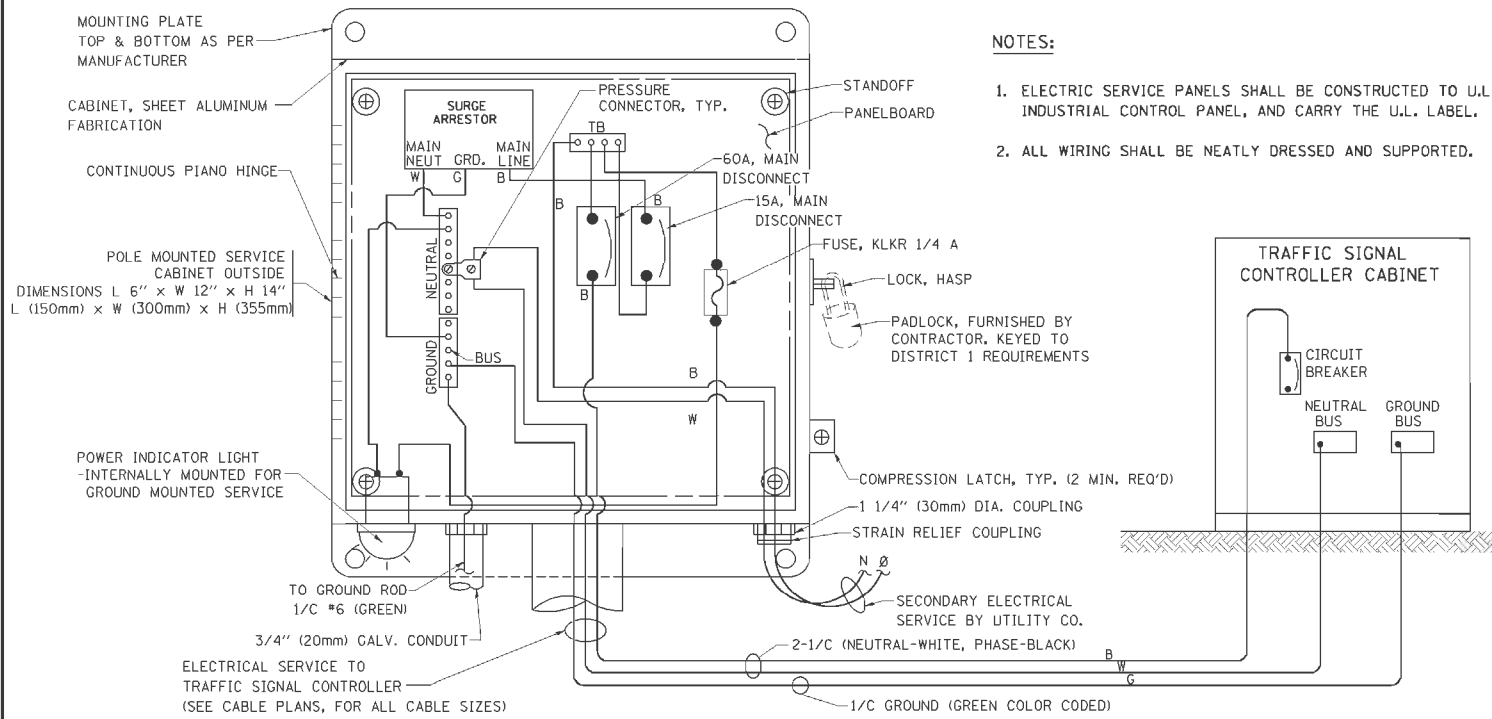


- NOTES:**
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
 2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
 5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

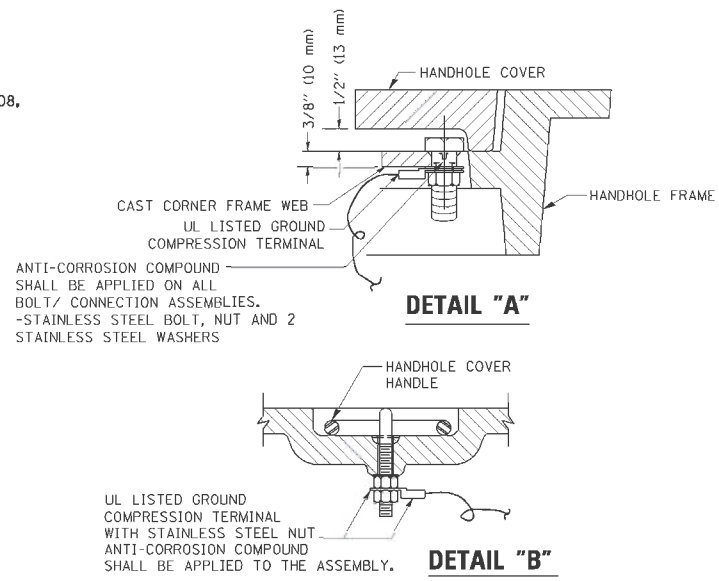
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

- NOTES:**
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

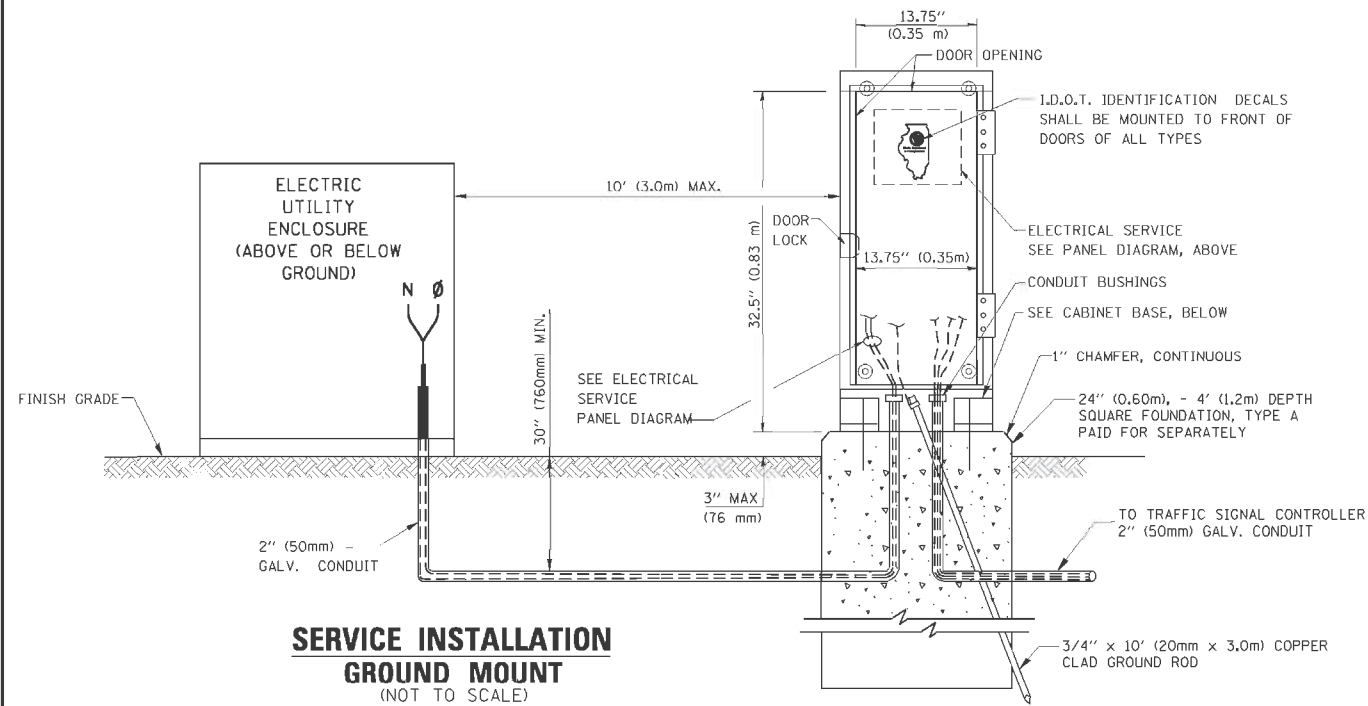


NOTES:

GROUNDING SYSTEM

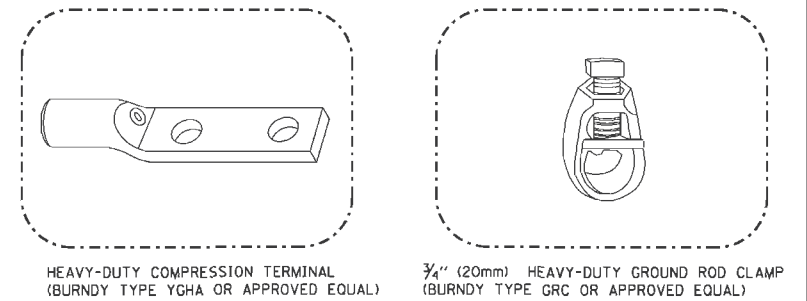
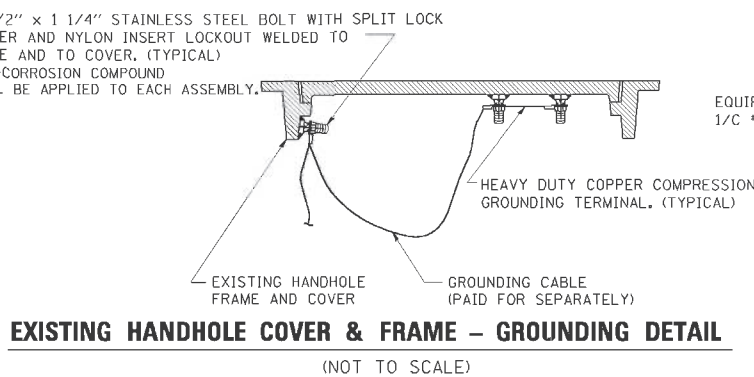
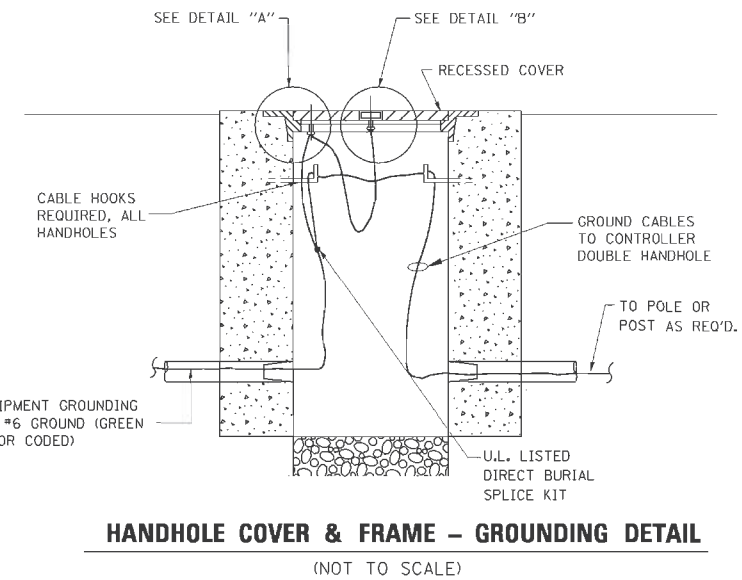
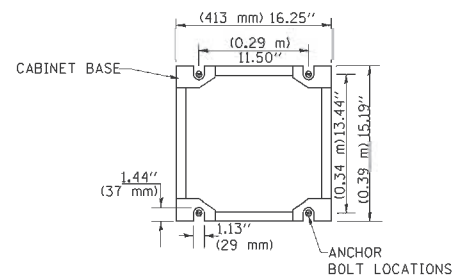
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

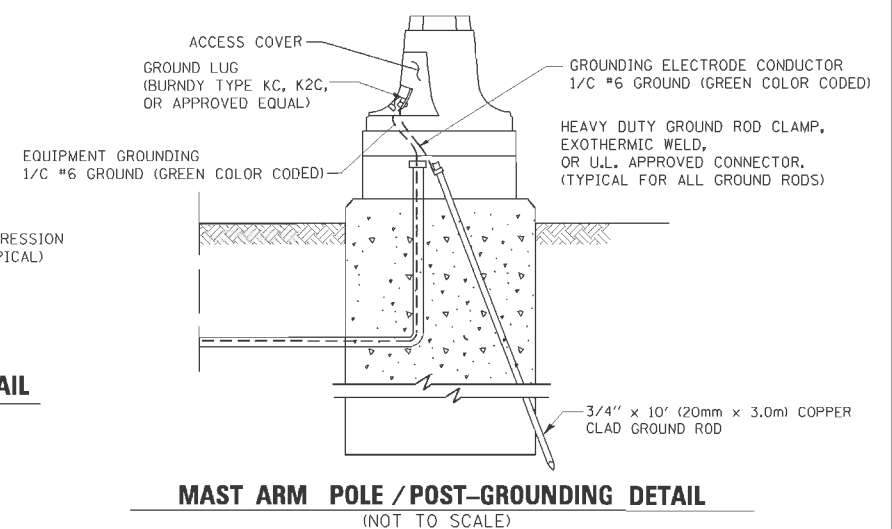


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



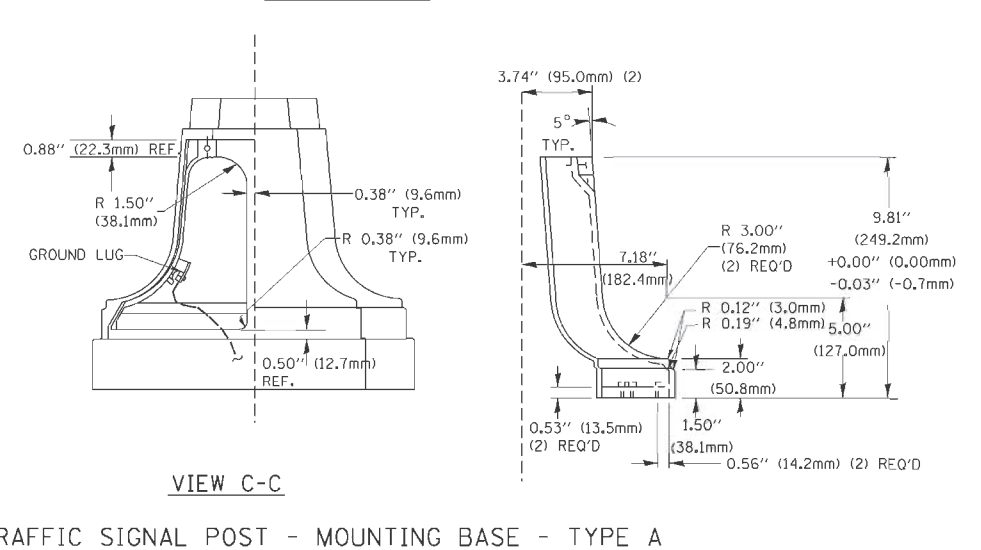
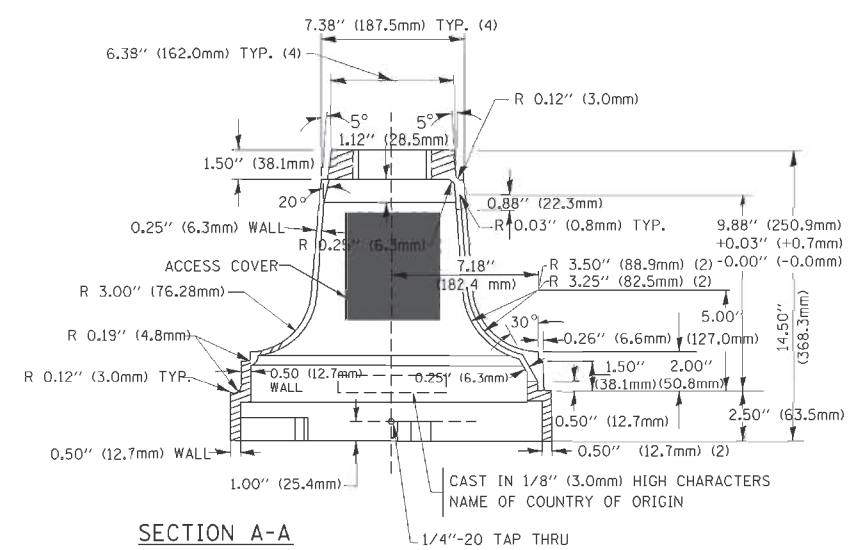
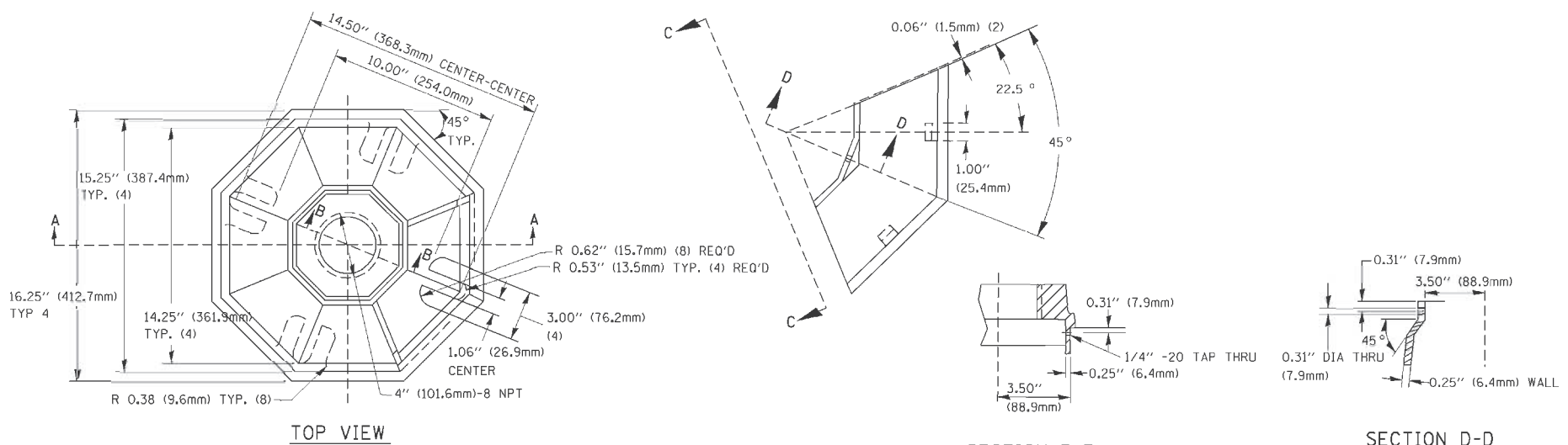
FILE NAME =	USER NAME = *USER*	DESIGNED - KMM	REVISED -
K:\Projects\090864\Design\Sheet Files\091331\DOT DETAIL_3.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -
	PLOT DATE = 5/7/2012	DATE - 5/11/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

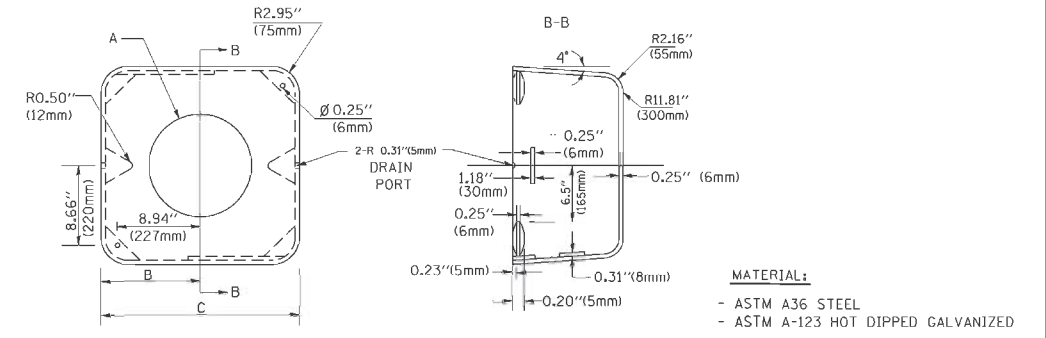
DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N.T.S. SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	167
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



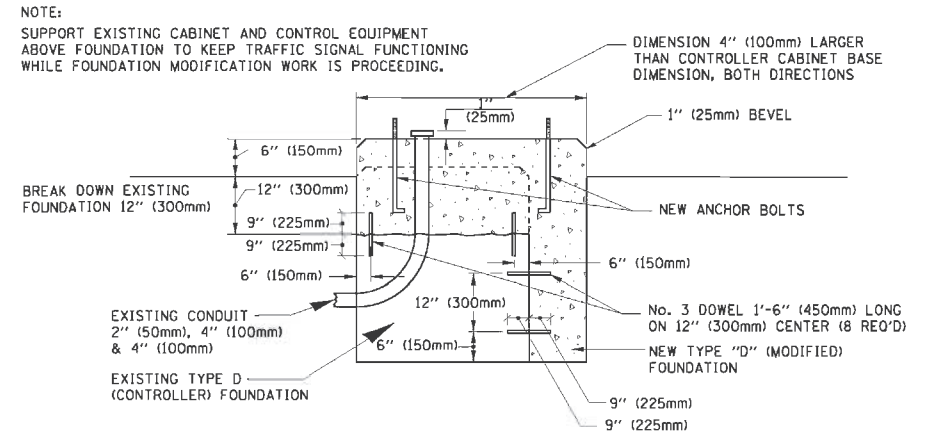
TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



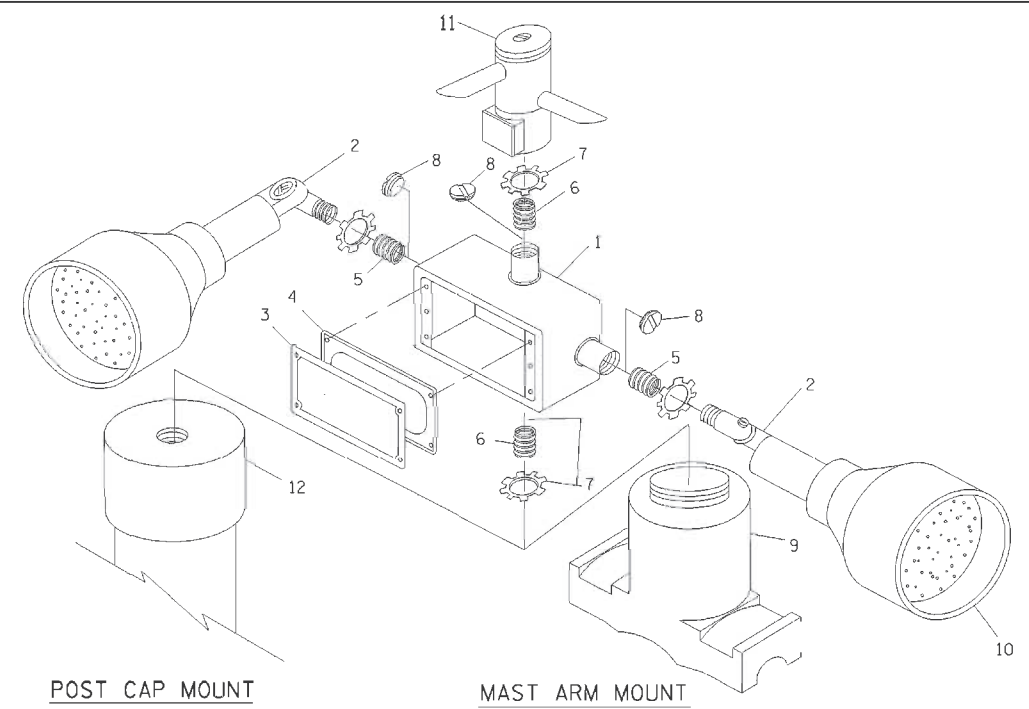
A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIABLES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIABLES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIABLES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126 lbs (57 kg)

SHROUD

- NOTES:
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
 - THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
 - THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

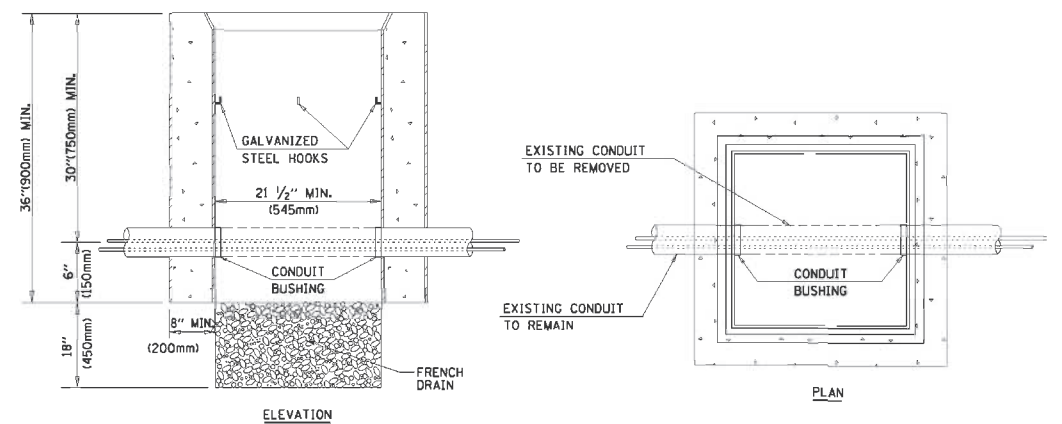


MODIFY EXISTING TYPE "D" FOUNDATION



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

- NOTES:
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
 - ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
 - WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



- NOTES:
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
 - REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

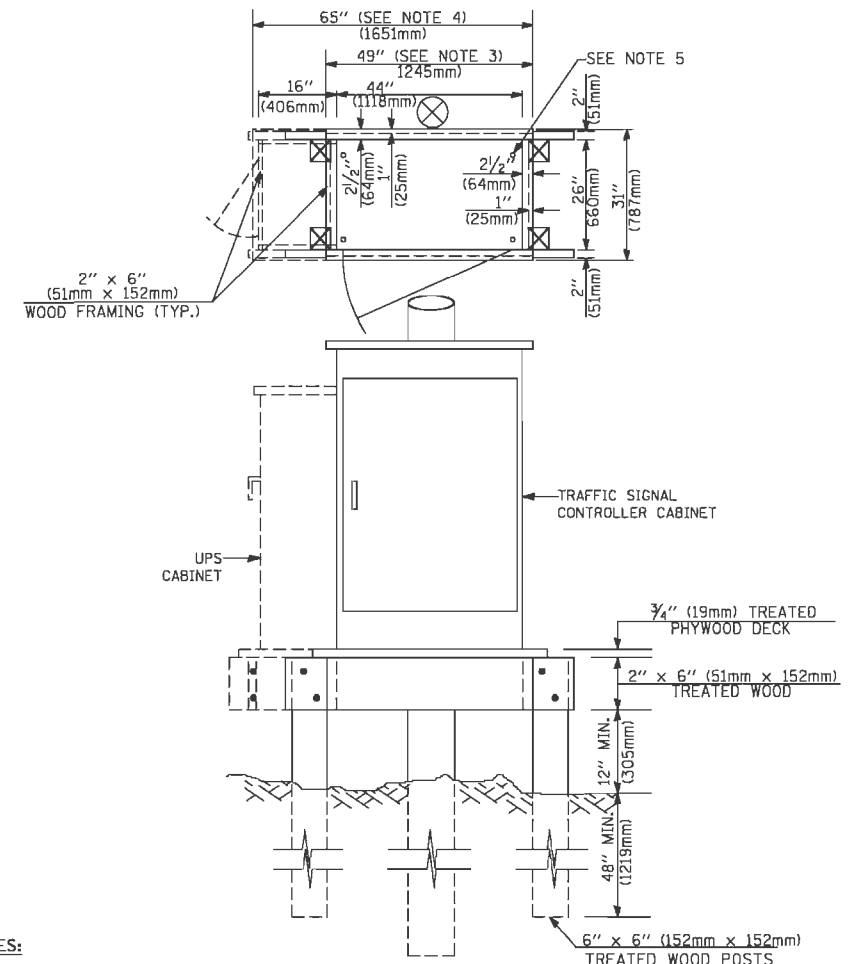
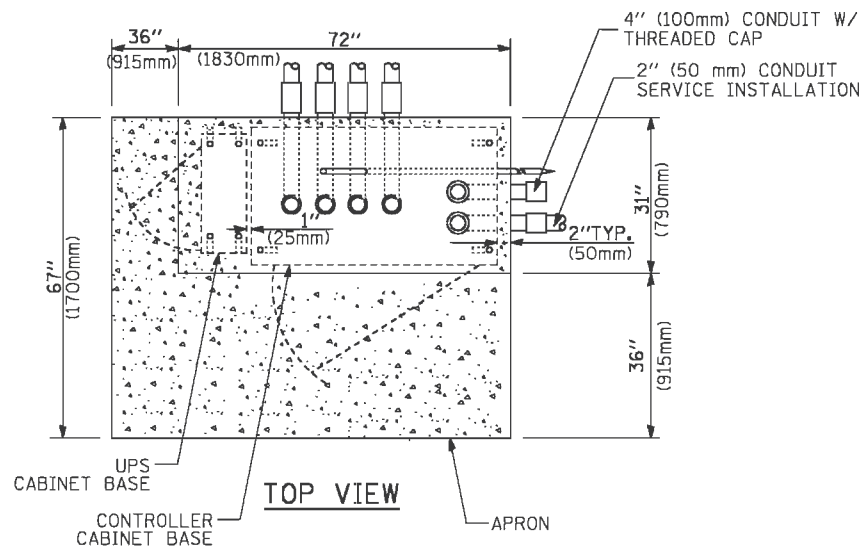
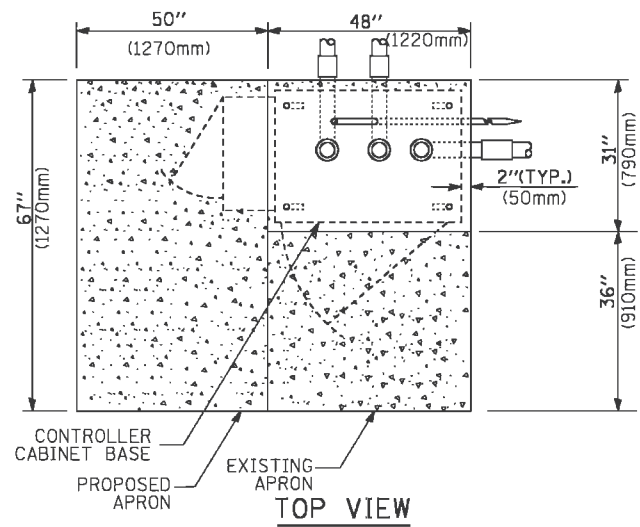
FILE NAME =	USER NAME = #USER#	DESIGNED - KMM	REVISED -
K:\Projects\090654\Design\Sheet Files\0133100T DETAIL.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - JDH	REVISED -
	PLOT DATE = 5/7/2012	DATE - 5/11/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

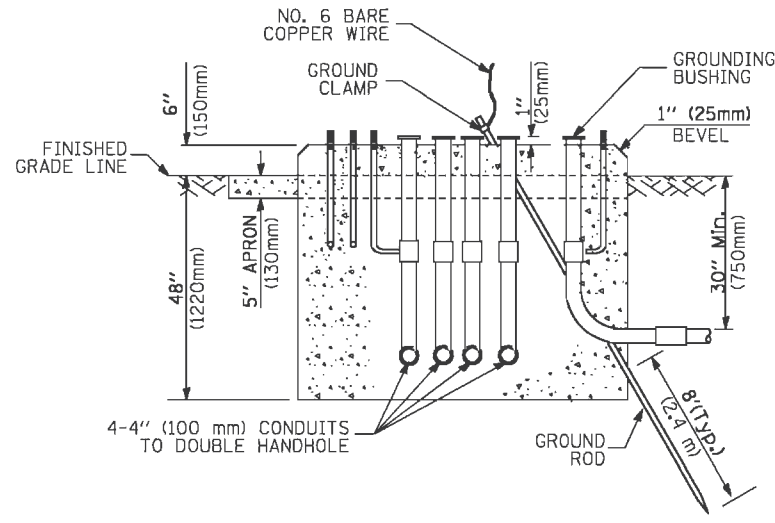
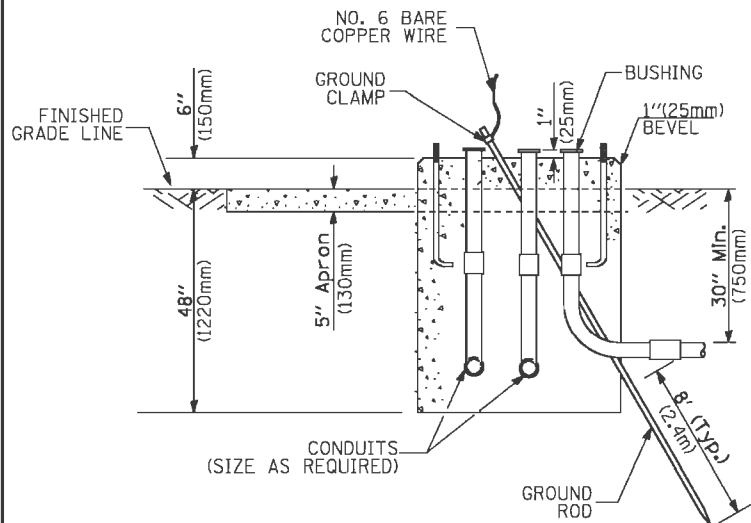
DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N.T.S. SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	168
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.



CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL CABLE, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/2, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (PT)				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

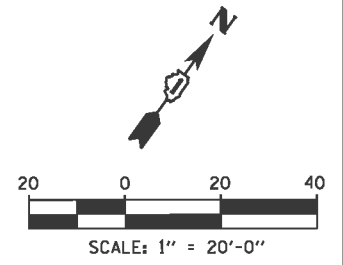
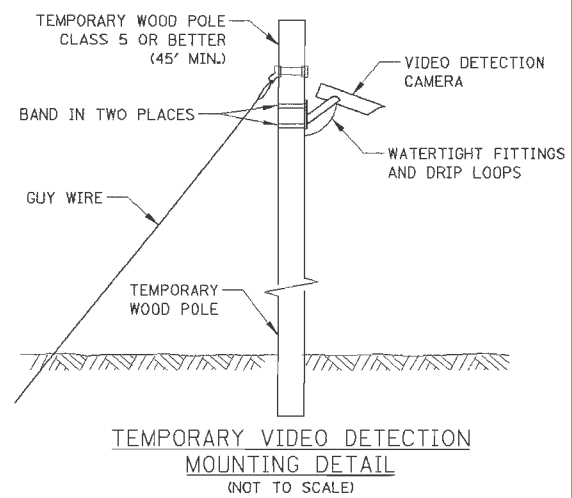
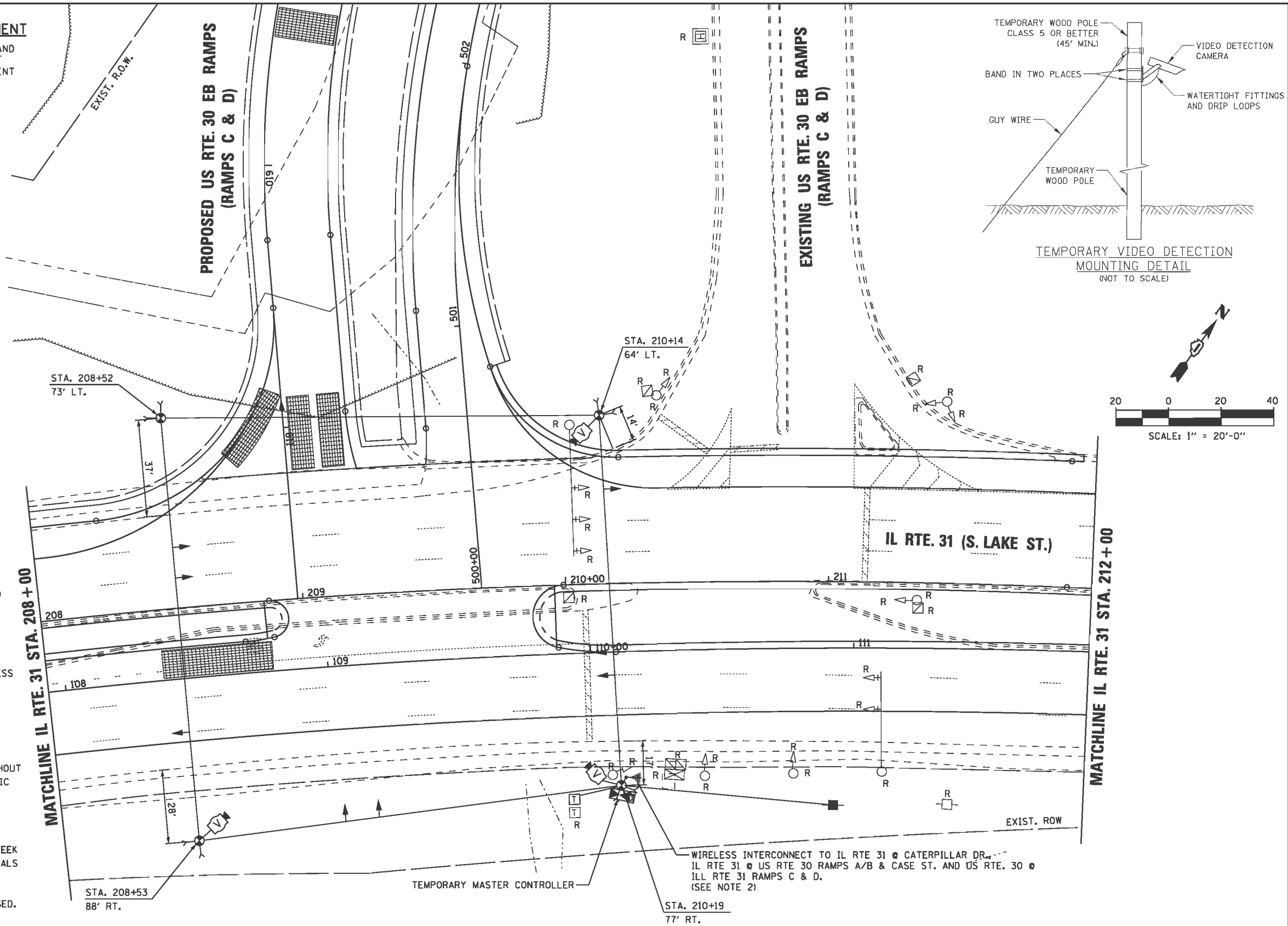
- 7 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
- 1 EACH SIGNAL HEAD, 1 - FACE, 4 SECTION
- 4 EACH SIGNAL HEAD, 1 - FACE, 1 - 5 SECTION
- 5 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH STEEL MAST ARM AND POLE
- 6 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE CONTRACTOR OWNED.

NOTES:

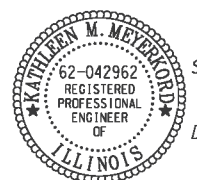
1. SEE SHEET TS-9 FOR TEMPORARY TRAFFIC SIGNAL NOTES.
2. THE WIRELESS INTERCONNECT EQUIPMENT SHALL BE RELOCATED TO THE PROPOSED ILL. RTE. 31 @ U.S. RTE. 30 EB RAMPS C & D TRAFFIC SIGNAL INSTALLATION AT THE COMPLETION OF CONTRACT 60133. THIS WORK SHALL BE INCLUDED IN THE COST OF THE WIRELESS INTERCONNECT, COMPLETE.
3. ALL STATIONS AND OFFSETS FROM ILL. RTE. 31 SB ALIGNMENT UNLESS OTHERWISE NOTED.
4. THE TEMPORARY TRAFFIC SIGNAL AT THE PROPOSED ILL. RTE. 31 @ U.S. RTE. 30 EB RAMPS C AND D SHALL BE INSTALLED AT THE BEGINNING OF THE CONTRACT BEFORE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IS REMOVED. THE MASTER CONTROLLER AND TELEPHONE SERVICE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE CONSTRUCTION OF THE INTERCHANGE. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL REMAIN IN OPERATION UNTIL SUCH TIME THAT THE PERMANENT INSTALLATION HAS BEEN TURNED ON AND ACCEPTED BY THE STATE.
5. CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED AT LEAST ONE WEEK BEFORE AND ONE WEEK AFTER ANY CHANGES TO THE TRAFFIC SIGNALS AT THE U.S. RTE. 30 RAMPS. THE CONTRACTOR SHALL KEEP THE MOTORISTS AWARE OF WHEN TRAFFIC SIGNAL CHANGES WILL OCCUR AND WHEN THE U.S. RTE. 30 EB RAMPS WILL BE OPENED AND CLOSED.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



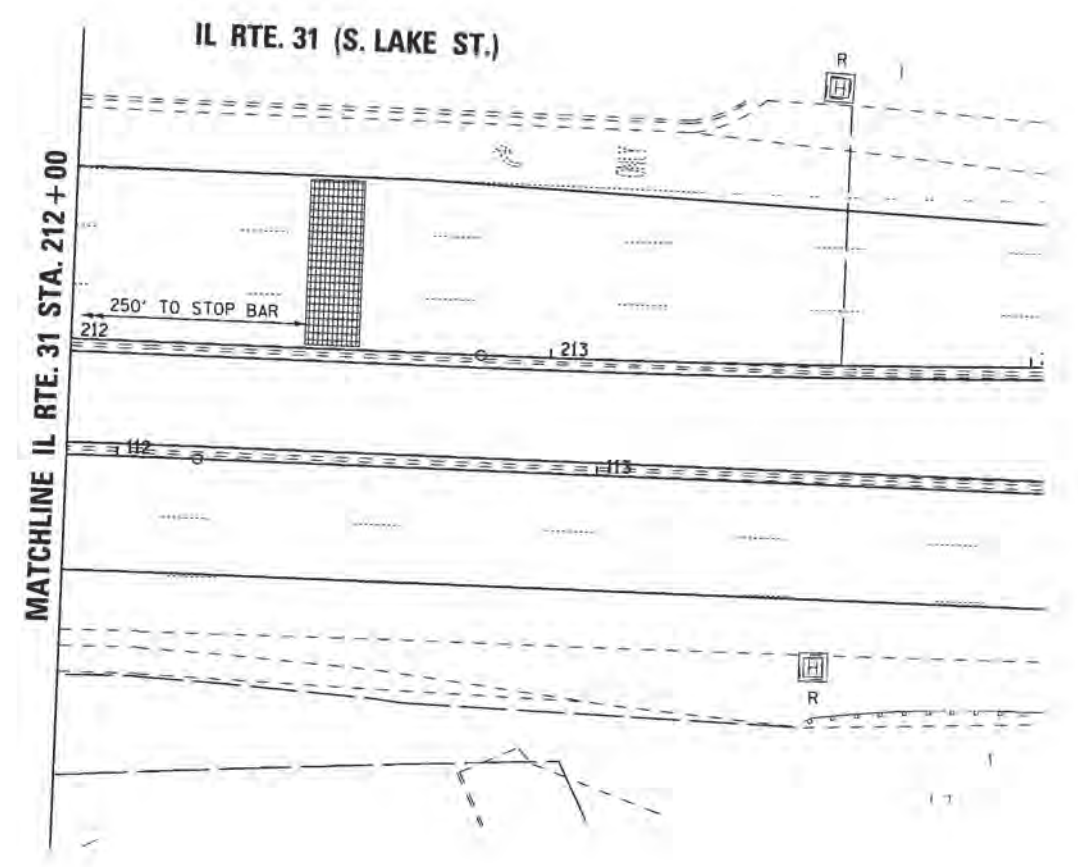
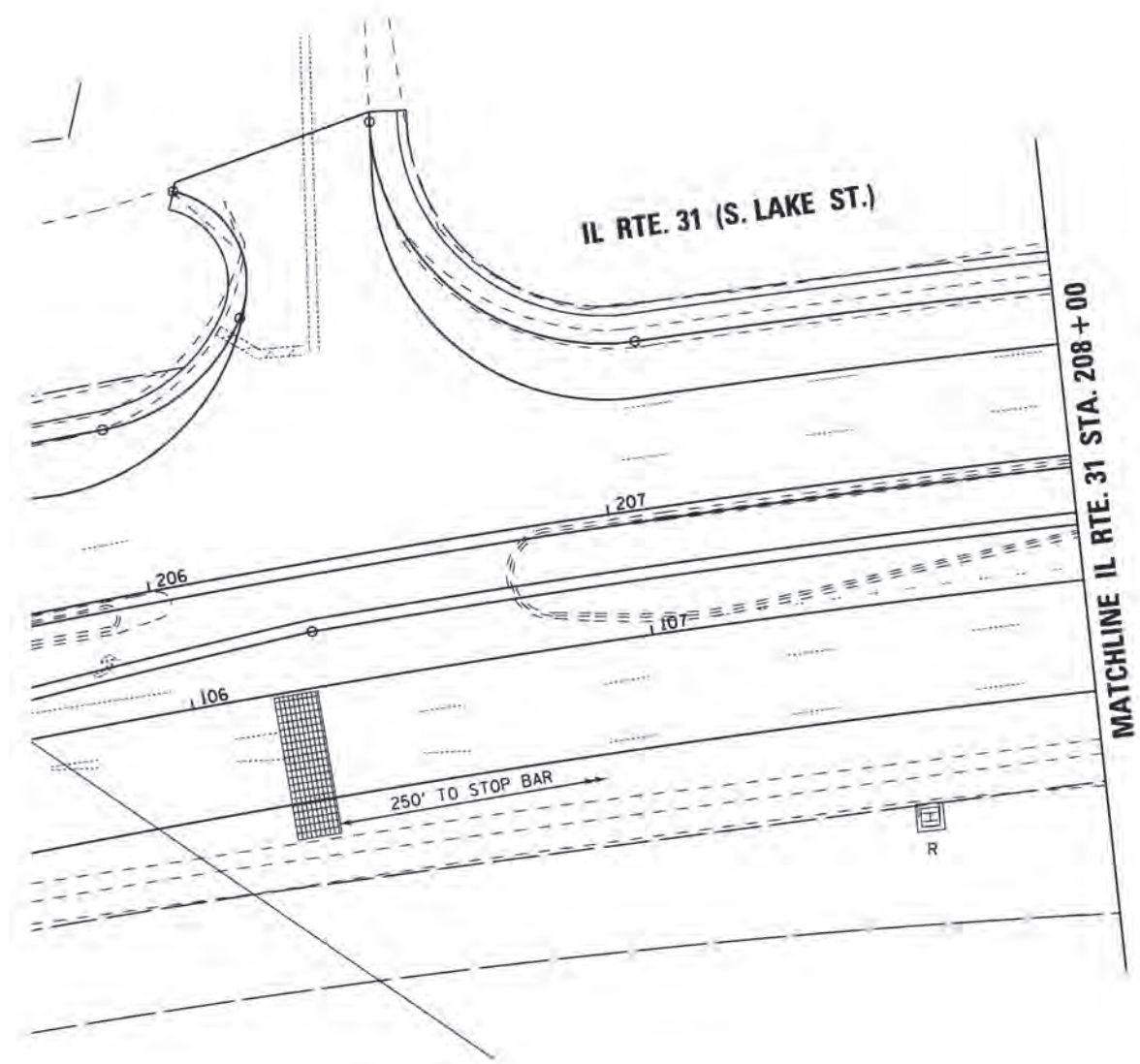
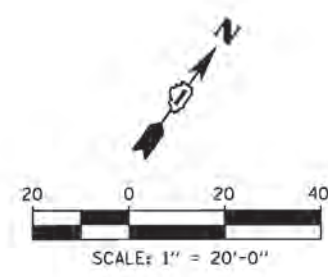
THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.



Signed *Kathleen M. MeyerKord*
 KATHLEEN M. MEYERKORD, P.E. IL. Lic. No. 062-042962
 Expires 11-30-2013
 Date 05/11/2012

FILE NAME = K:\Projects\090864\Design\Sheet Files\0133RW\temp\ERI.dgn	USER NAME = *USER*	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN U.S. ROUTE 30 EB RAMPS (RAMPS C & D) AT IL ROUTE 31	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -	349			(10 & 11 VB) R-3	507	171		
PLOT DATE = 5/14/2012	DATE - 5/11/2012	REVISED -	KANE AND KENDALL CONTRACT NO. 60133							
SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT				

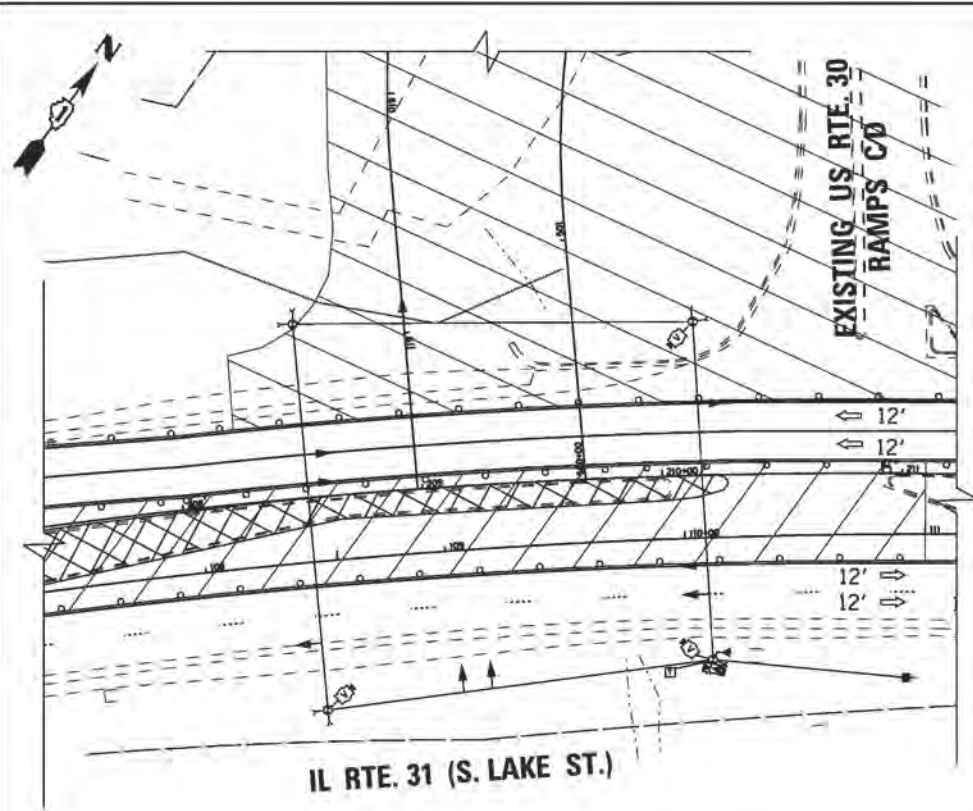


THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

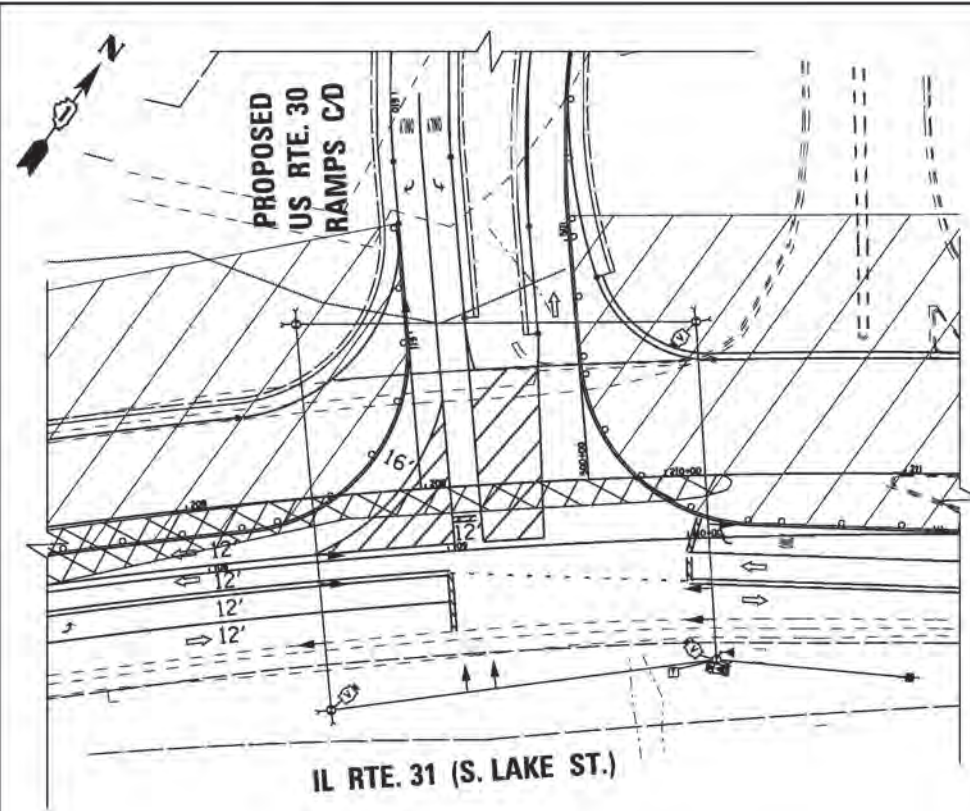
ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE CONTRACTOR OWNED.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

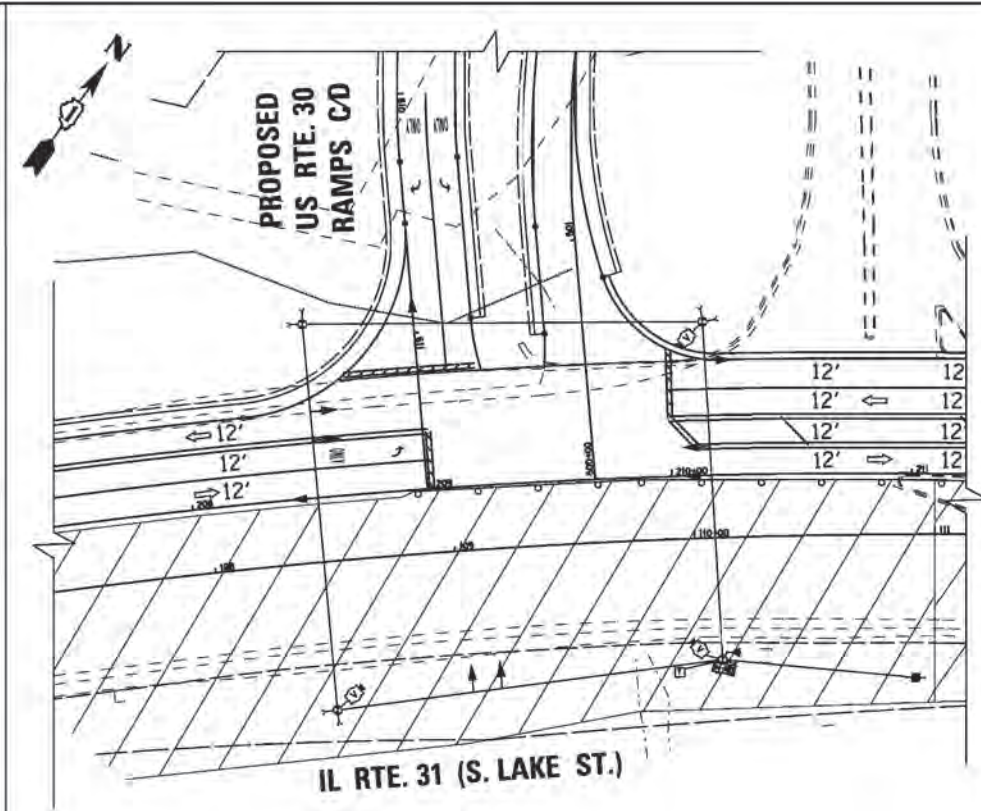
FILE NAME = K:\Projects\090054\Design\Sheet Files\0133RWAtempERA.dgn	USER NAME = *USER*	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN U.S. ROUTE 30 EB RAMP (RAMPS C & D) AT IL ROUTE 31			F.A. RTE. 349	SECTION (10 & 11 VBI) R-3	COUNTY KANE AND KENDALL	TOTAL SHEETS 507	SHEET NO. 172
	PLLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLLOT DATE = 5/14/2012	DATE - 5/11/2012	REVISED -									
TS-8												



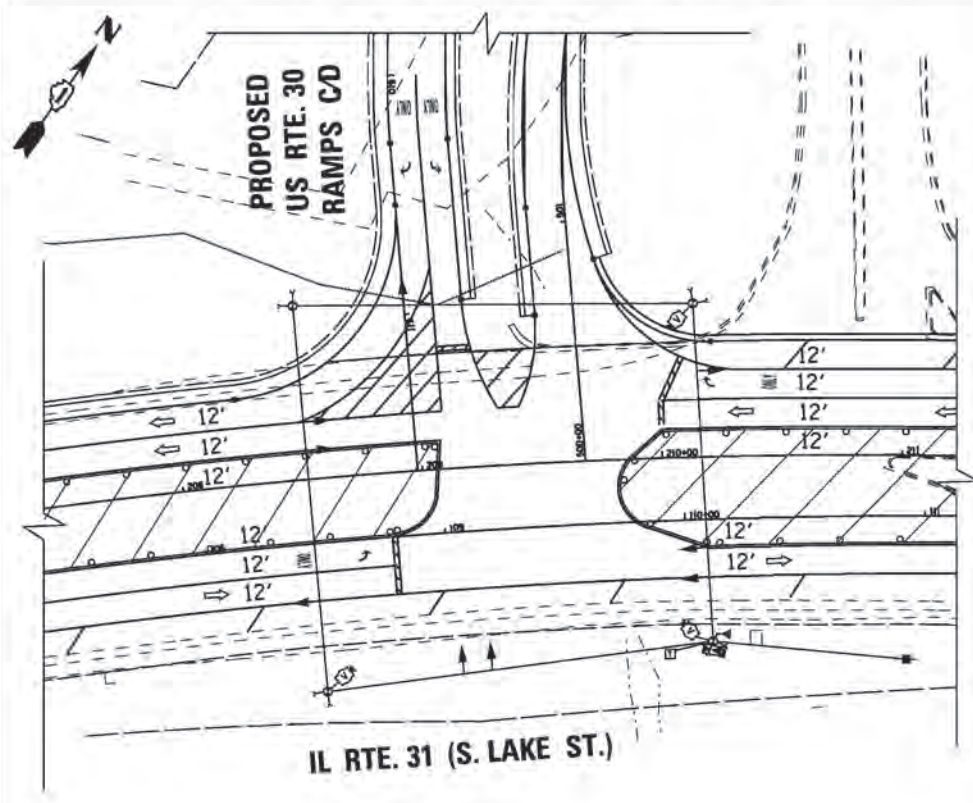
TEMPORARY TRAFFIC SIGNAL STAGE 1



TEMPORARY TRAFFIC SIGNAL STAGE 2A



TEMPORARY TRAFFIC SIGNAL STAGE 2B & 2C



TEMPORARY TRAFFIC SIGNAL STAGE 3

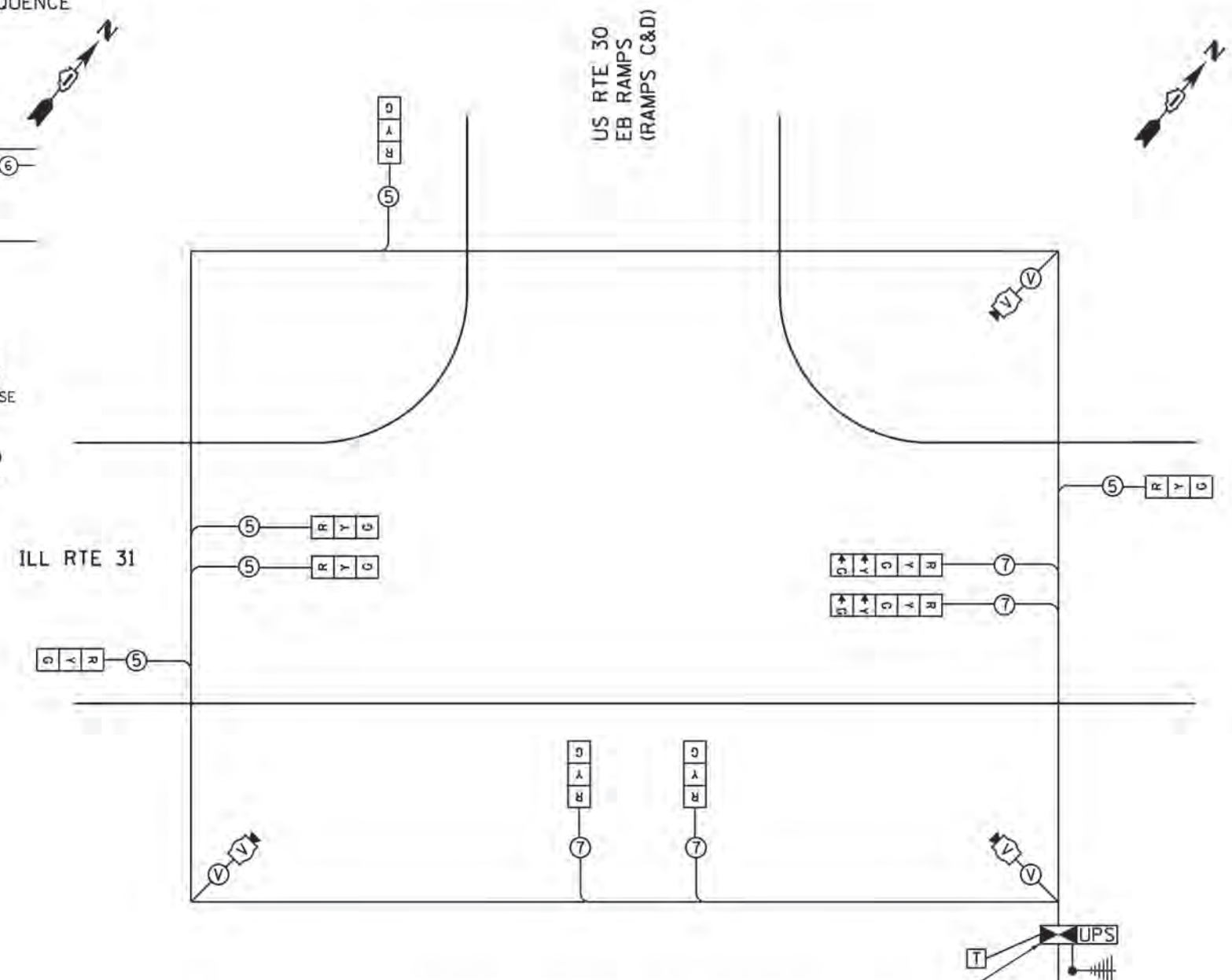
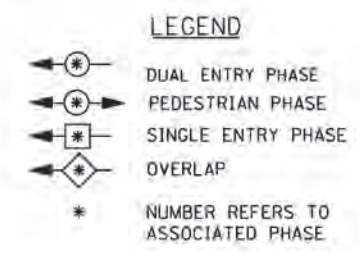
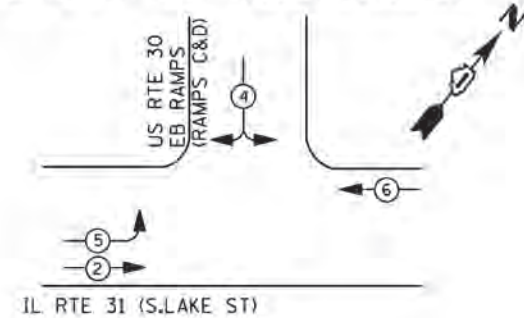
ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE CONTRACTOR OWNED.

FILE NAME = K:\Projects\090054\Design\Sheet Files\09133RWAtempER2.dgn	USER NAME = *USER*	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGING PLAN U.S. ROUTE 30 EB RAMP (RAMPS C & D) AT IL ROUTE 31			F.A. RTE. 349	SECTION (10 & 11 VBI R-3)	COUNTY * KANE AND KENDALL	TOTAL SHEETS 507	SHEET NO. 173	
	PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -		SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 60133			
	PLOT DATE = 5/14/2012	DATE - 5/11/2012	REVISED -										
TS-9													

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE



THE TEMPORARY MASTER CONTROLLER SHALL BE SUPPLIED & LOCATED AT THIS INTERSECTION. THE MASTER CONTROLLER & TELEPHONE SERVICE SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE CONTRACT. THE COST OF THE TEMPORARY MASTER CONTROLLER SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY WIRELESS INTERCONNECT TO
 ILL. RTE. 31 @ CATERPILLAR DRIVE
 ILL. RTE. 31 @ U.S. RTE. 30 WB RAMPS/CASE STREET
 AND U.S. RTE. 30 @ ILL. RTE. 31 RAMPS C & D

CABLE PLAN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

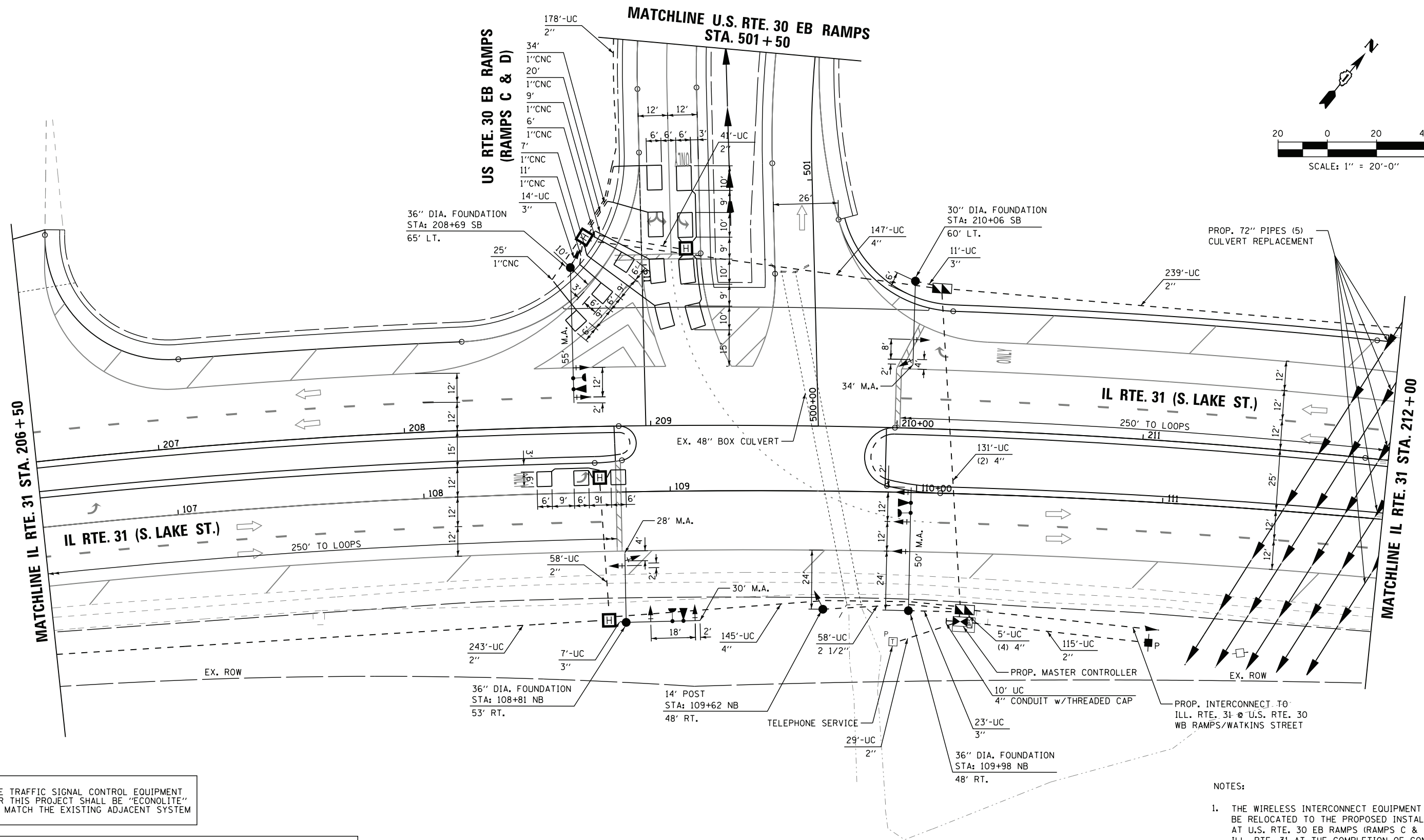
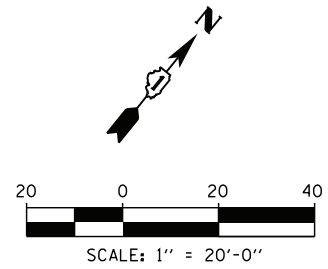
THE TEMPORARY WIRELESS INTERCONNECT EQUIPMENT SHALL BE RELOCATED TO THE PROPOSED INSTALLATION AT RAMPS C & D AT THE COMPLETION OF CONTRACT 60133. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TEMPORARY WIRELESS INTERCONNECT, COMPLETE.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	11	135	17	0.50	94
(YELLOW)	11	135	25	0.25	69
(GREEN)	11	135	15	0.25	42
ARROW	4	135	12	0.10	5
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					460

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT LUCY ANDERBERG
 PHONE COMED
 815-724-5691



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

- NOTES:
1. THE WIRELESS INTERCONNECT EQUIPMENT SHALL BE RELOCATED TO THE PROPOSED INSTALLATION AT U.S. RTE. 30 EB RAMP (RAMPS C & D) @ ILL. RTE. 31 AT THE COMPLETION OF CONTRACT 60133. THIS WORK SHALL BE INCLUDED IN THE COST OF THE WIRELESS INTERCONNECT, COMPLETE.
 2. ALL STATION AND OFFSET FROM IL RTE 31 SB ALIGNMENT UNLESS OTHERWISE NOTED.

FILE# 6/12/2012 4:03:36 PM

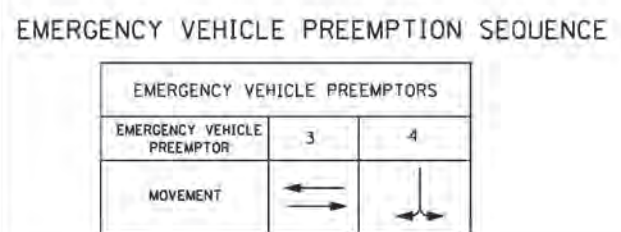
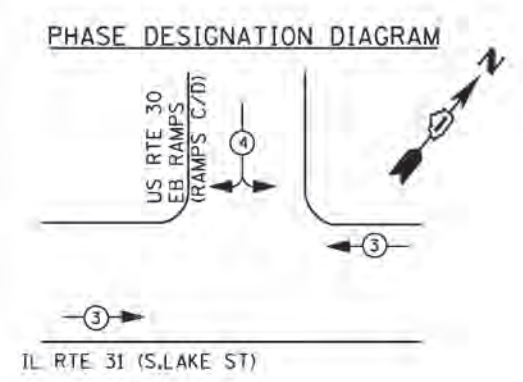
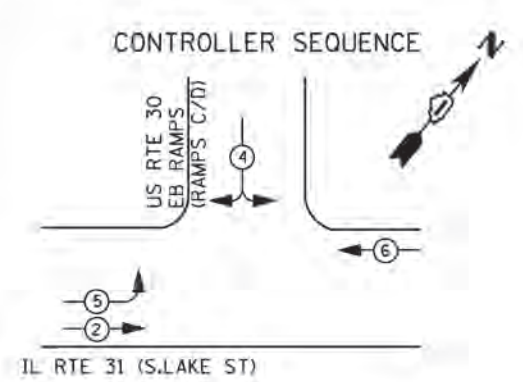
FILE NAME =	USER NAME = *USER*	DESIGNED -	KMM	REVISED -	
K:\Projects\090064\Design\Sheet Files\160133RWAprERL.dgn		DRAWN -	LV	REVISED -	
	PLOT SCALE = *SCALE*	CHECKED -	JDH	REVISED -	
	PLOT DATE = 6/12/2012	DATE -	6/15/2012	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
 U.S. ROUTE 30 EB RAMP (RAMPS C&D) AT IL ROUTE 31
 SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	175
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

TS-11

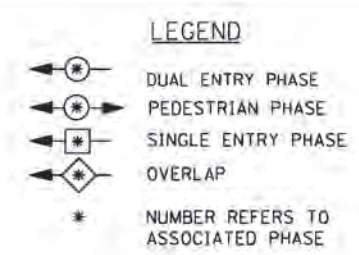


I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	13	135	17	0.50	111
(YELLOW)	13	135	25	0.25	81
(GREEN)	13	135	15	0.25	49
ARROW	4	135	12	0.10	5
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM		150	-	1.00	-
TOTAL =					346

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHALUMBURG, IL 60196-1096

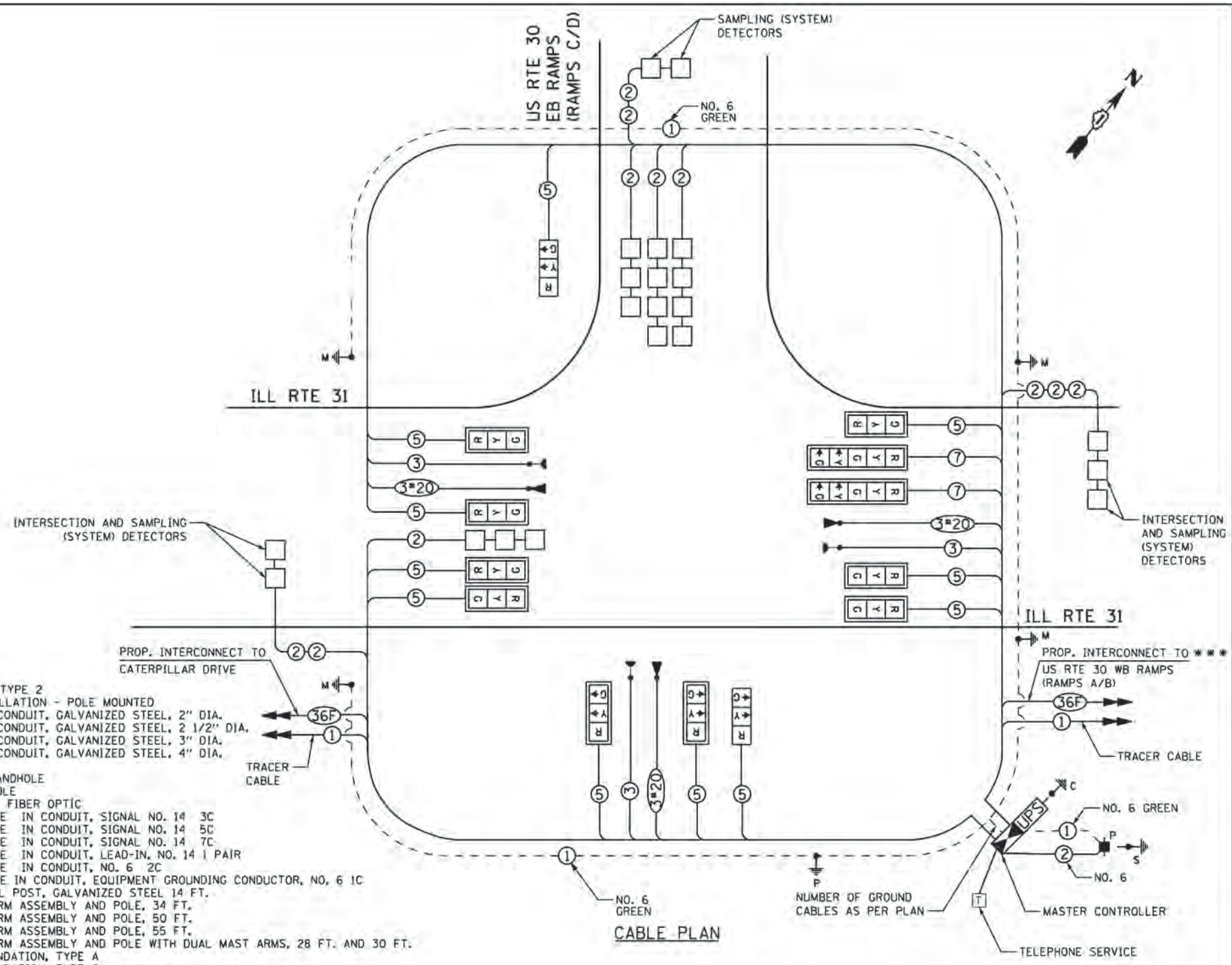
ENERGY SUPPLY - CONTACT LUCY ANDERBERG
PHONE COMED
815-724-5691



SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
12.5	SO FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1084	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
58	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
55	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
584	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
1	EACH	HANDHOLE
7	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
** 756	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2571	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
348	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
4634	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
135	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 6 2C
749	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
14	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
42	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
9	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
11	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11	EACH	INDUCTIVE LOOP DETECTOR
1106	FOOT	DETECTOR LOOP, TYPE 1
** 3	EACH	LIGHT DETECTOR
** 1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE EXISTING HANDHOLE
8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
9	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL
1	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
** 756	FOOT	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

** 100% VILLAGE OF MONTGOMERY



*** THE WIRELESS INTERCONNECT WILL REMAIN BETWEEN US RTE 30 @ ILL RTE 31 EB RAMP (RAMP C/D), ILL. RTE. 31 @ CASE STREET AND ILL. RTE. 31 @ AUCUTT ROAD/WEBSTER STREET.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



NOTES:

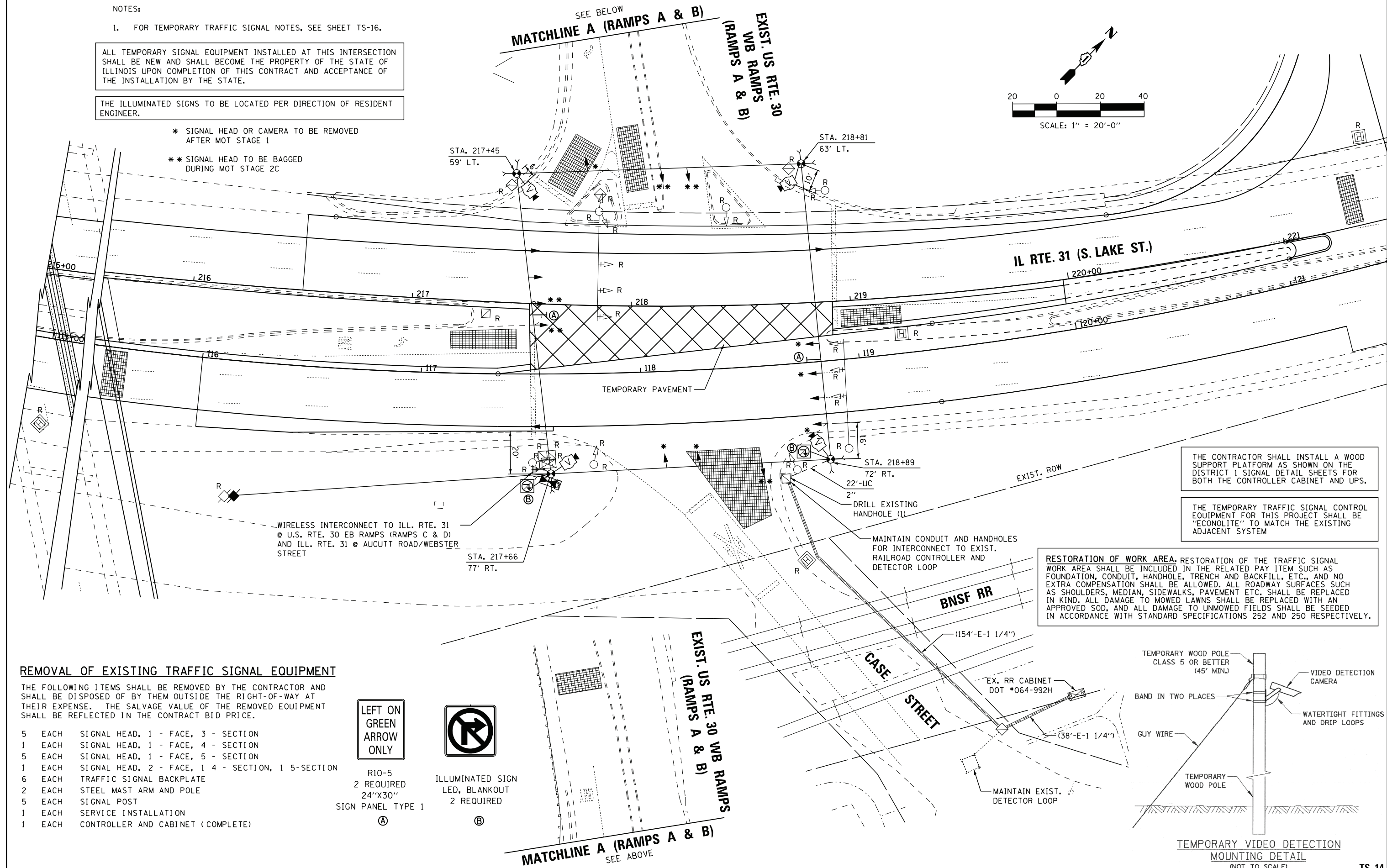
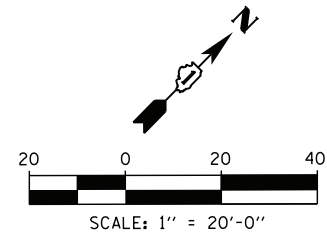
1. FOR TEMPORARY TRAFFIC SIGNAL NOTES, SEE SHEET TS-16.

ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.

THE ILLUMINATED SIGNS TO BE LOCATED PER DIRECTION OF RESIDENT ENGINEER.

* SIGNAL HEAD OR CAMERA TO BE REMOVED AFTER MOT STAGE 1

** SIGNAL HEAD TO BE BAGGED DURING MOT STAGE 2C



THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

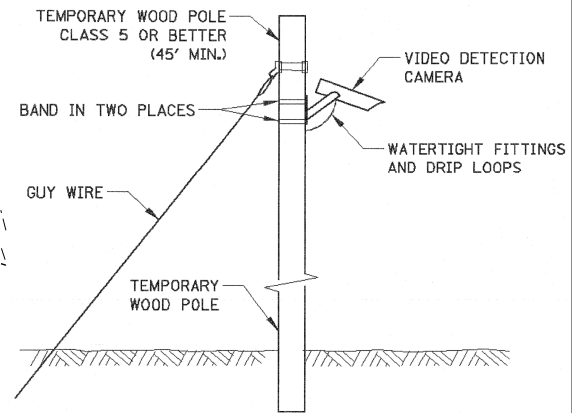
- 5 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
- 1 EACH SIGNAL HEAD, 1 - FACE, 4 - SECTION
- 5 EACH SIGNAL HEAD, 1 - FACE, 5 - SECTION
- 1 EACH SIGNAL HEAD, 2 - FACE, 1 4 - SECTION, 1 5-SECTION
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH STEEL MAST ARM AND POLE
- 5 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)



R10-5
 2 REQUIRED
 24"X30"
 SIGN PANEL TYPE 1
 (A)



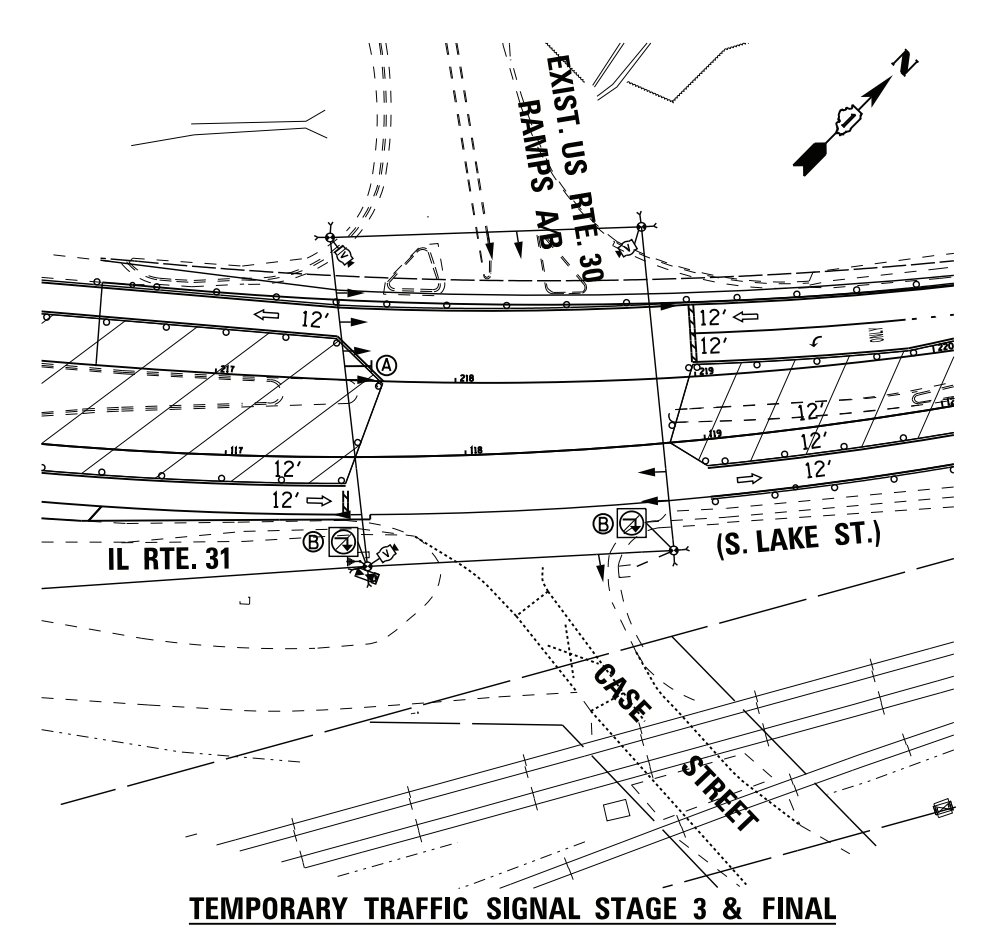
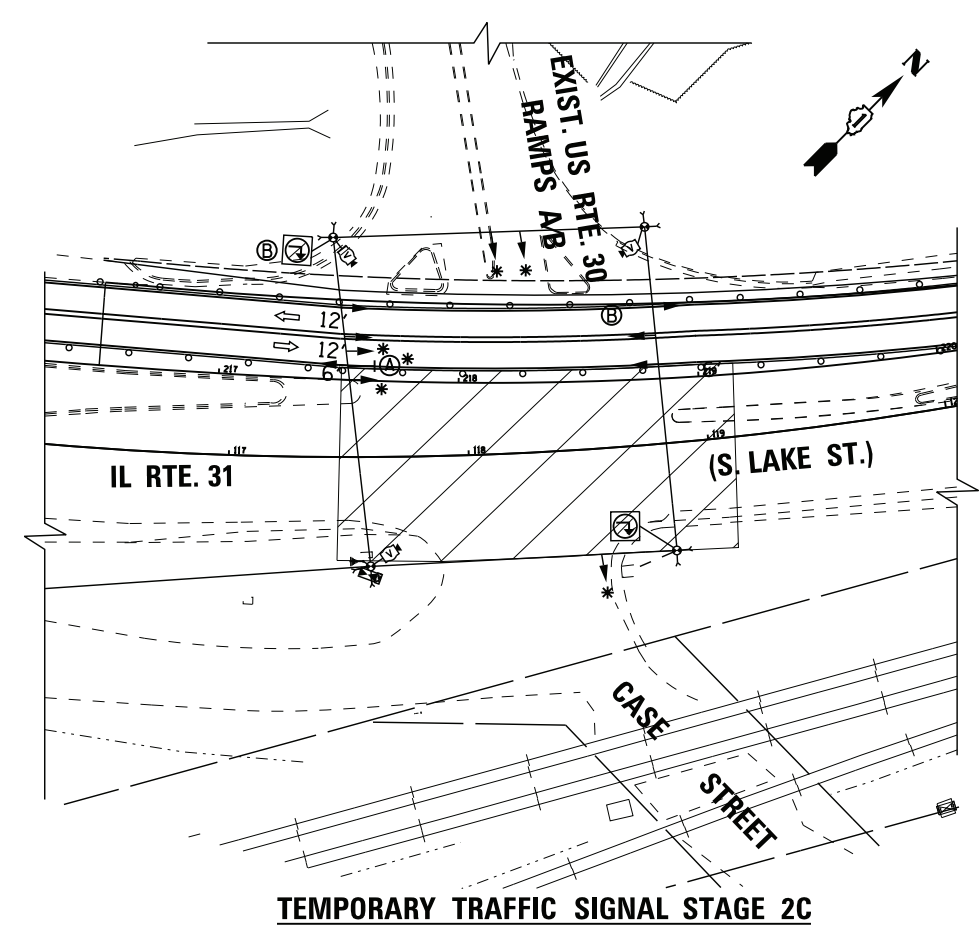
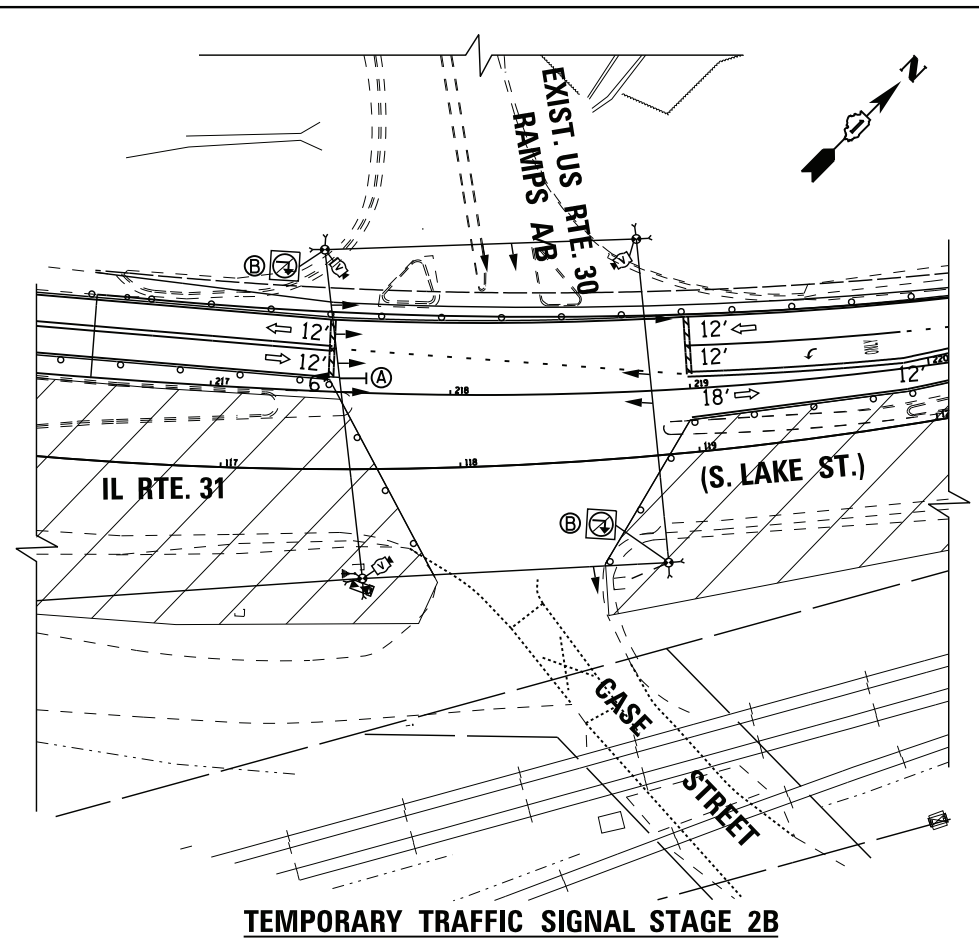
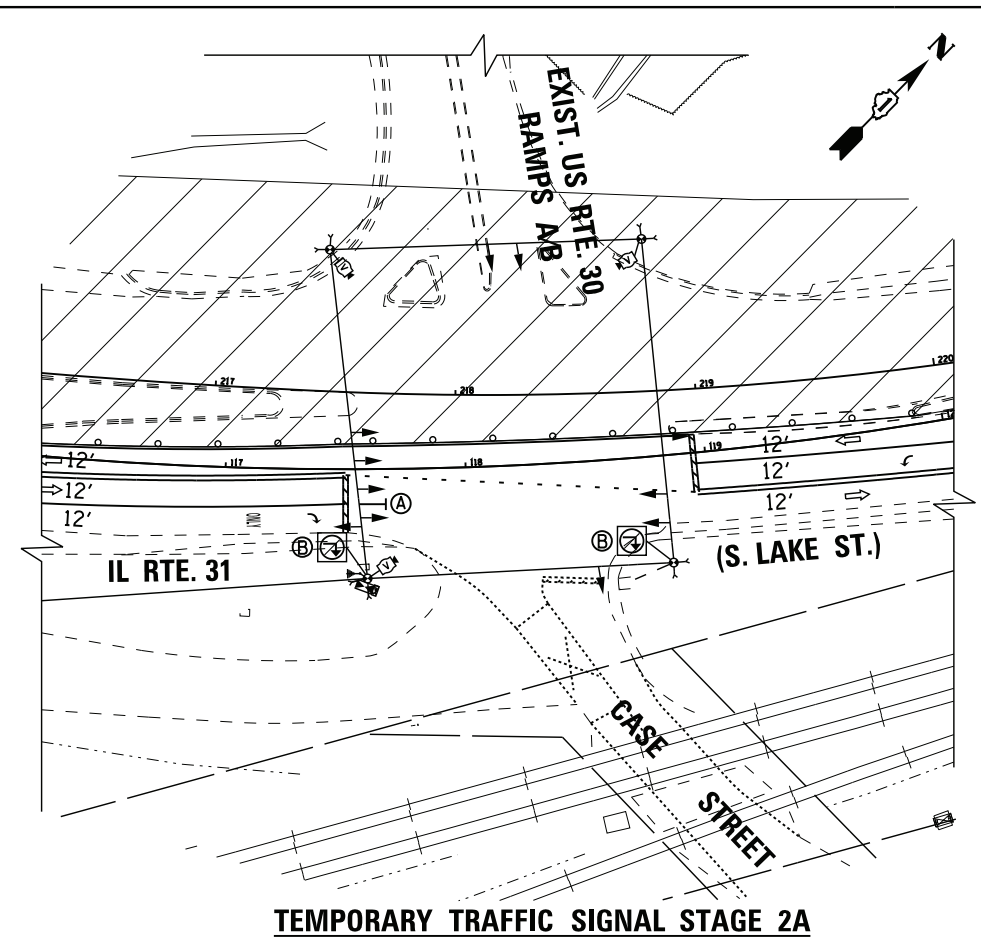
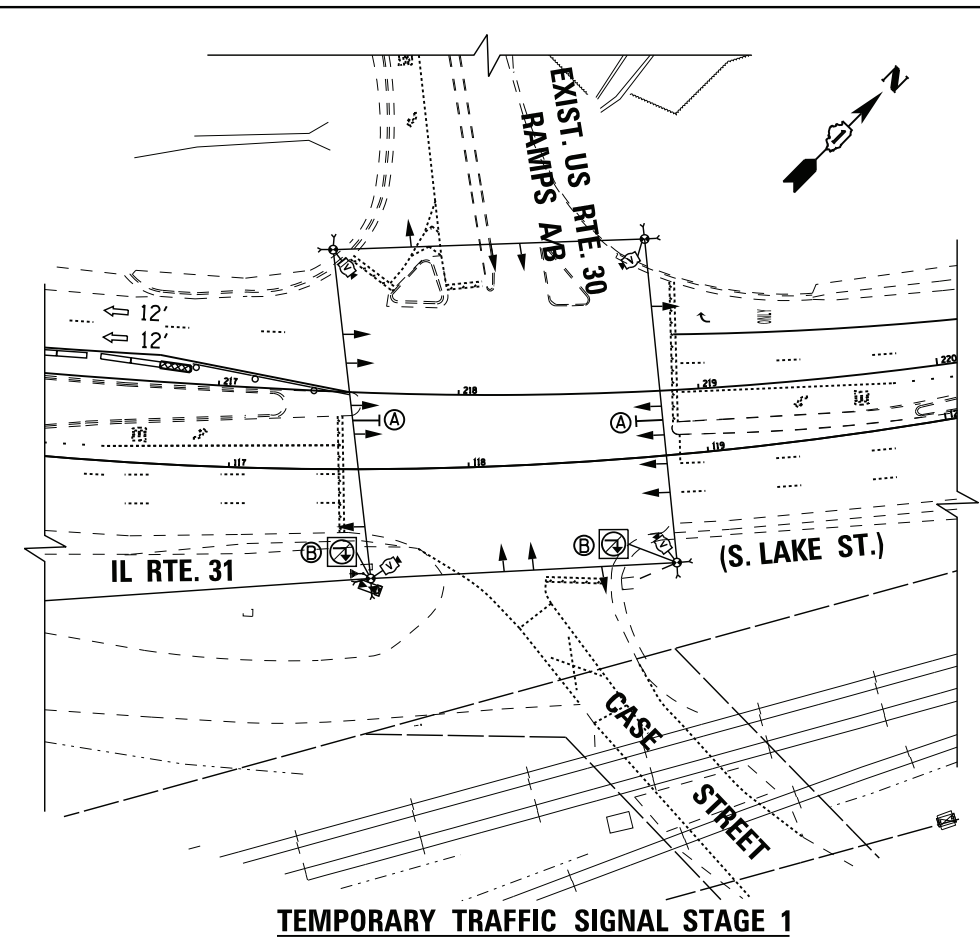
ILLUMINATED SIGN
 LED, BLANKOUT
 2 REQUIRED
 (B)



TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

TS-14

FILE NAME =	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TEMPORARY TRAFFIC SIGNAL INSTALLATION & REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN U.S. ROUTE 30 WB RAMPS (RAMPS A / B / CASE ST) AT IL ROUTE 31				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\090064\Design\Sheet Files\DI0133RWTempWRI.dgn		DRAWN - LV	REVISED -									349	(10 & 11 VB) R-3		507	178
PLOT SCALE = \$SCALE\$		CHECKED - JDH	REVISED -	SCALE: 1"=20'				SHEET NO. 1 OF 2 SHEETS		STA. TO STA.		KANE AND KENDALL CONTRACT NO. 60133				
PLOT DATE = 6/20/2012		DATE - 6/15/2012	REVISED -									ILLINOIS FED. AID PROJECT				



LEFT ON GREEN
ARROW
ONLY

* INDICATES SIGNAL HEAD
OR SIGN IS BAGGED OR
COVERED DURING MOT STAGE

R10-5
2 REQUIRED
24"X30"
SIGN PANEL TYPE 1

(A)

ILLUMINATED SIGN
LED, BLANKOUT
2 REQUIRED

(B)

THE ILLUMINATED SIGNS TO BE LOCATED PER
DIRECTION OF RESIDENT ENGINEER.

FILE NAME =	K:\Projects\090064\Design\Sheet Files\DI60133RWAtempWR2.dgn	DESIGNED - KMM	REVISED -
USER NAME = \$USER\$		DRAWN - LV	REVISED -
PLOT SCALE = \$SCALE\$		CHECKED - JDH	REVISED -
PLOT DATE = 6/20/2012		DATE - 6/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGING PLAN
U.S. ROUTE 30 WB RAMPS (RAMPS A / B / CASE ST.) AT IL ROUTE 31**

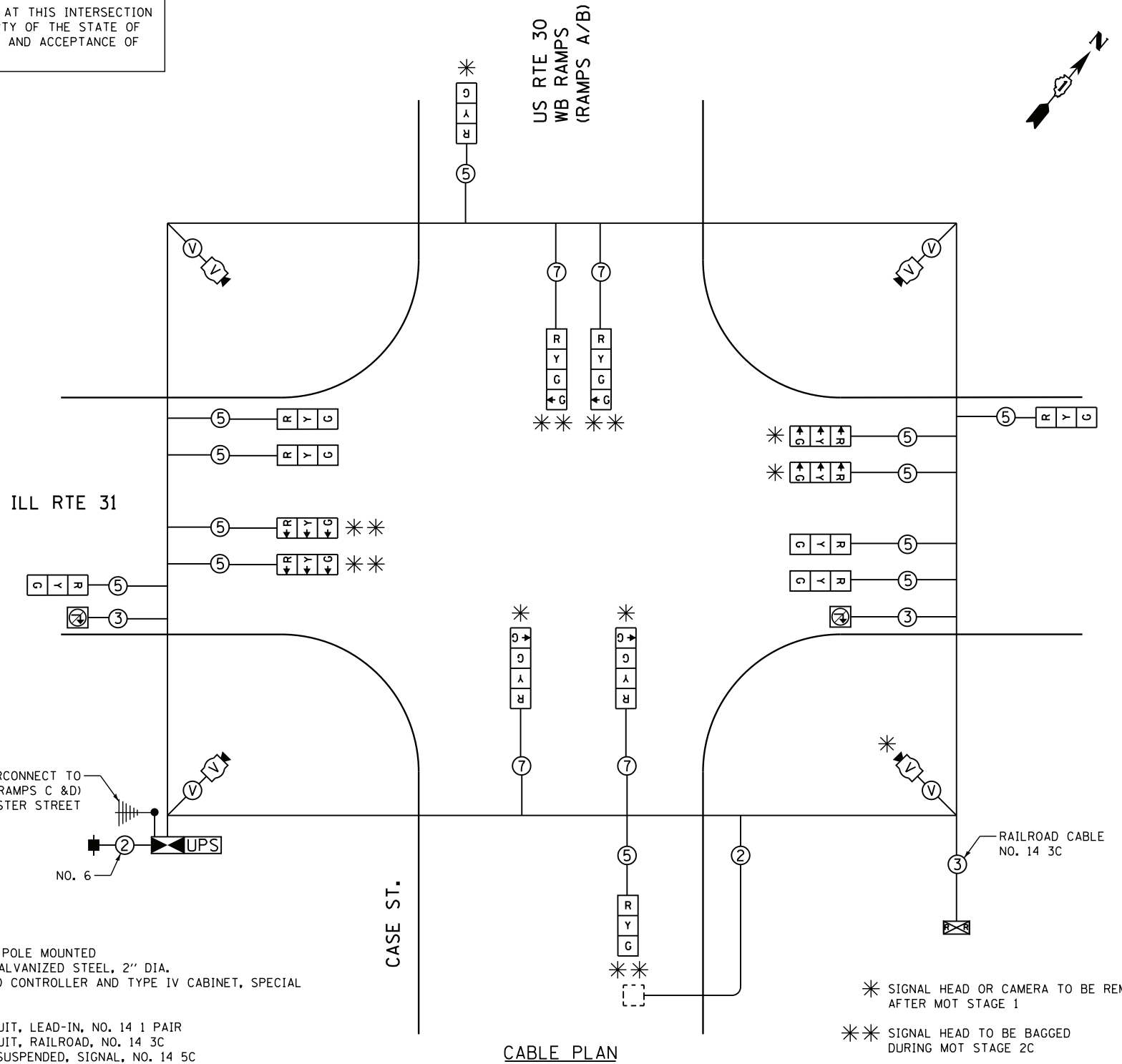
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	179
• KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.



SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
22	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
1	EACH	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
685	FOOT	SPAN WIRE
685	FOOT	TETHER WIRE
189	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
232	FOOT	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C
1989	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C
673	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C
210	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2 C
195	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, LEAD-IN, NO. 14 1 PAIR
232	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, RAILROAD, NO. 14 3C
1	EACH	INDUCTIVE LOOP DETECTOR
4	EACH	TEMPORARY WOOD POLE, 45 FEET, CLASS 5
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
12	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, SPAN WIRE MOUNTED
1	EACH	DRILL EXISTING HANDHOLE
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	LSUM	RAILROAD PROTECTIVE LIABILITY INSURANCE
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
0.57	LSUM	VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION

CABLE PLAN

* SIGNAL HEAD OR CAMERA TO BE REMOVED AFTER MOT STAGE 1
 ** SIGNAL HEAD TO BE BAGGED DURING MOT STAGE 2C

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE VIDEO CABLE SHALL BE INCLUDED IN THE PAY ITEM FOR VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	20	135	15	0.25	75
ARROW	0	135	12	0.10	0
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	2	252	25	0.05	3
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					564

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT LUCY ANDERBERG
 PHONE COMED
 815-724-5691

FILE NAME =	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\DI0133RWAtempcabWR.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - JDH	REVISED -
	PLOT DATE = 6/20/2012	DATE - 6/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN
U.S. ROUTE 30 WB RAMPS (RAMPS A / B / CASE ST) AT IL ROUTE 31**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	180
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

TS-16



TEMPORARY SEQUENCE OF OPERATION - STAGE 1

MOVEMENT	TEMPORARY SEQUENCE OF OPERATION - STAGE 1																								F L A S H								
	1 + 5								1 + 6						2 + 5						2 + 6						3		4				
PHASE	1 + 5								1 + 6						2 + 5						2 + 6						3		4				
INTERVAL	1	2A	2B	3A	3B	4A	4B	5	6A	6B	7	8A	8B	9	10A	10B	11A	11B	12A	12B	13	14A	14B	15	16A	16B							
CHANGE TO	1+6								2+5						2+6						1+6						2+5		3 4 1+5		1+5 1+6 2+5 2+6		
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R						
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	G	Y	R	G	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R						
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	G	G	G	R	R	R	G	G	G	Y	R	Y	R	R	R	R	R	R	R	R						
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	G	G	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R						
US 30 WB RAMPS (RAMPS A/B) NEAR SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R						
US 30 WB RAMPS (RAMPS A/B) FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R						
CASE STREET NEAR SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R						
CASE STREET FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R						

PHASE 2+6 SHALL BE PLACED ON RECALL

TEMPORARY SEQUENCE OF OPERATION - STAGES 2,2A, 2B, 3 AND FINAL

MOVEMENT	TEMPORARY SEQUENCE OF OPERATION - STAGES 2,2A, 2B, 3 AND FINAL															F L A S H											
	1 + 6					2 + 6					3																
PHASE	1 + 6					2 + 6					3																
INTERVAL	1	2A	2B	3	4A	4B	5A	5B	6	7A	7B																
CHANGE TO	2+6					1+6					3					1+6 2+6											
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	R	G	Y	R	Y	R	R	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CASE STREET NEAR SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R
CASE STREET FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R

PHASE 2+6 SHALL BE PLACED ON RECALL

TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION - STAGE 1

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION - STAGE 1													PREEMPTOR NUMBER 2	CLEAR TO NORMAL SEQUENCE				
	1	5	7	9	13	15	2	3	4	5	6	7	8						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2	3	4	5	6	7	8
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	3	4	5	6	7	8	
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	G	△	
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	△	
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	G	△	
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	△	
US 30 WB RAMPS (RAMPS A/B) NEAR SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	△	
US 30 WB RAMPS (RAMPS A/B) FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	△	
CASE STREET NEAR SPAN WIRE SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	△	
CASE STREET FAR SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	G	G	R	R	G	Y	R	R	R	△	
ILL RTE 31 ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△	

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

NRT = "NO RIGHT TURN" OR

NLT = "NO LEFT TURN" OR

HOLD

TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION STAGE 2, 2A, 2B, 3 AND FINAL

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION STAGE 2, 2A, 2B, 3 AND FINAL										PREEMPTOR NUMBER 2	CLEAR TO NORMAL SEQUENCE							
	1	3	6	2	3	4	5	6	7	8									
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	2	3	4	5	6	7	8						
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	3	4	5	6	7	8							
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	△	
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	△	
ILL RTE 31 NEAR AND 2 FAR RIGHT SPAN WIRE SIGNALS	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	△	
ILL RTE 31 2 FAR LEFT SPAN WIRE SIGNALS	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	△	
CASE STREET NEAR SPAN WIRE SIGNAL	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	△	
CASE STREET FAR SPAN WIRE SIGNALS	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	△	
ILL RTE 31 ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△	

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

NRT = "NO RIGHT TURN" OR

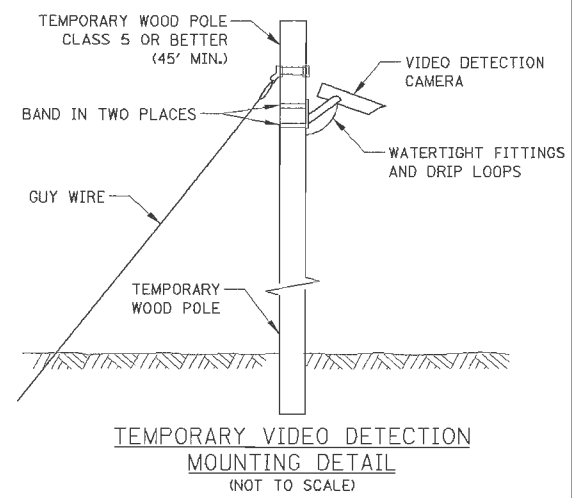
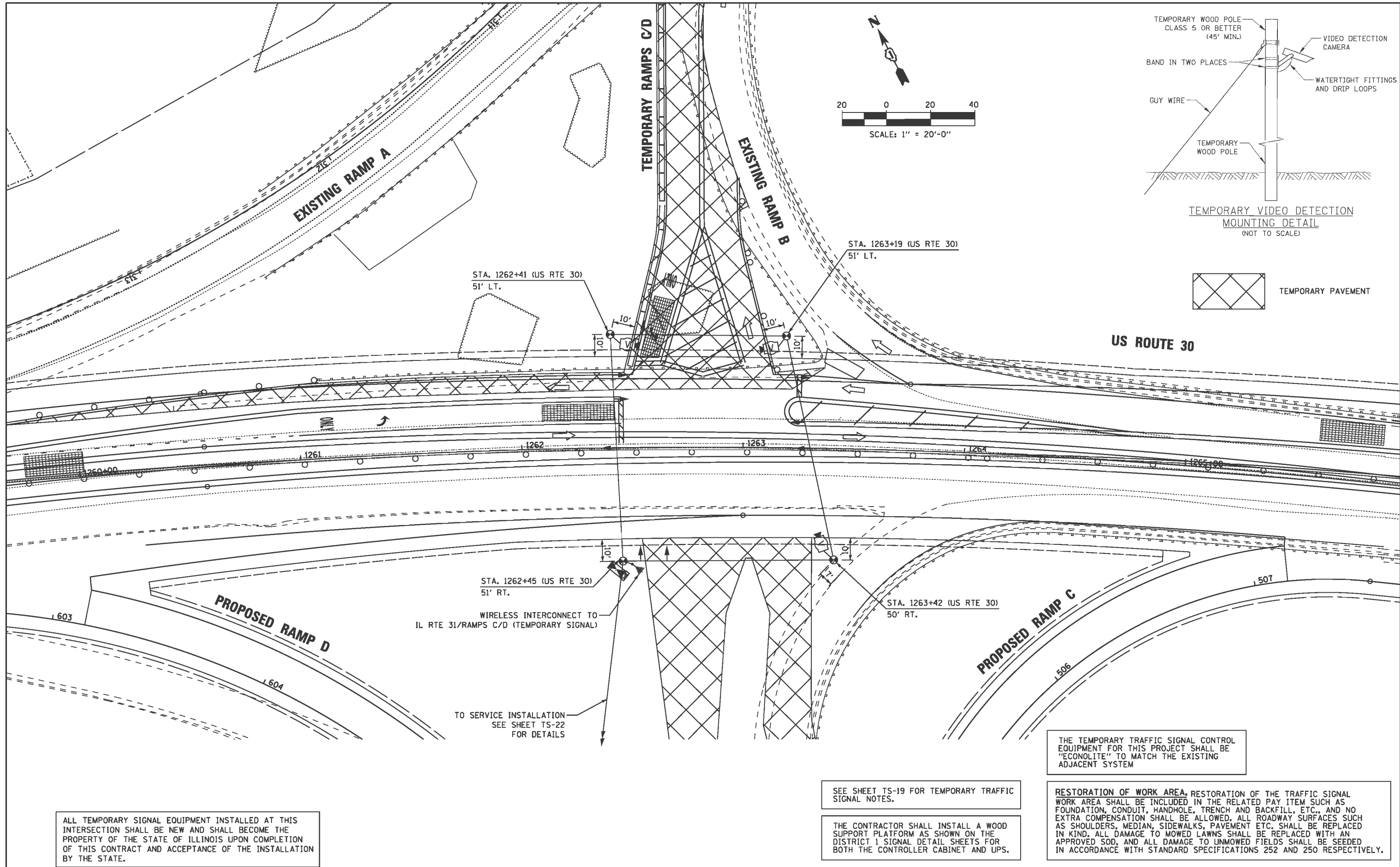
NLT = "NO LEFT TURN" OR

FILE NAME =	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\0133RWAtempseqWR.dgn		DRAWN - LV	REVISED -
		CHECKED - JDH	REVISED -
		DATE - 6/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SEQUENCE OF OPERATION AND TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION U.S. ROUTE 30 WB RAMPS (RAMPS A / B / CASE ST.) AT IL ROUTE 31			
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	181
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

SEE SHEET TS-19 FOR TEMPORARY TRAFFIC SIGNAL NOTES.

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

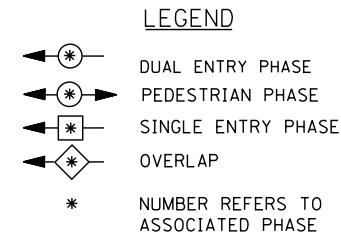
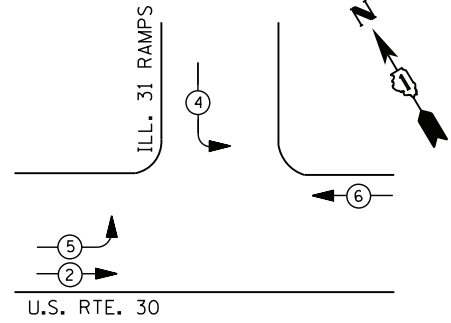
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED, IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME =				USER NAME = *USER*				DESIGNED - KMM		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY TRAFFIC SIGNAL INSTALLATION MAINTENANCE OF TRAFFIC STAGE 1 U.S. ROUTE 30 AT ILL. RTE. 31 EB & WB RAMP (RAMPS A, B, C & D) SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.				F.A. RTE.		SECTION		COUNTY		TOTAL SHEET NO.	
K:\Projects\090654\Design\Sheet Files\0133RWAs30temp1.dgn				DRAWN - LV				REVISED -		349						(10 & 11 VB) R-3		507 182					
PLOT SCALE = *SCALE*				CHECKED - JDH				REVISED -		• KANE AND KENDALL						CONTRACT NO. 60133							
PLOT DATE = 5/14/2012				DATE - 5/11/2012				REVISED -		ILLINOIS FED. AID PROJECT													

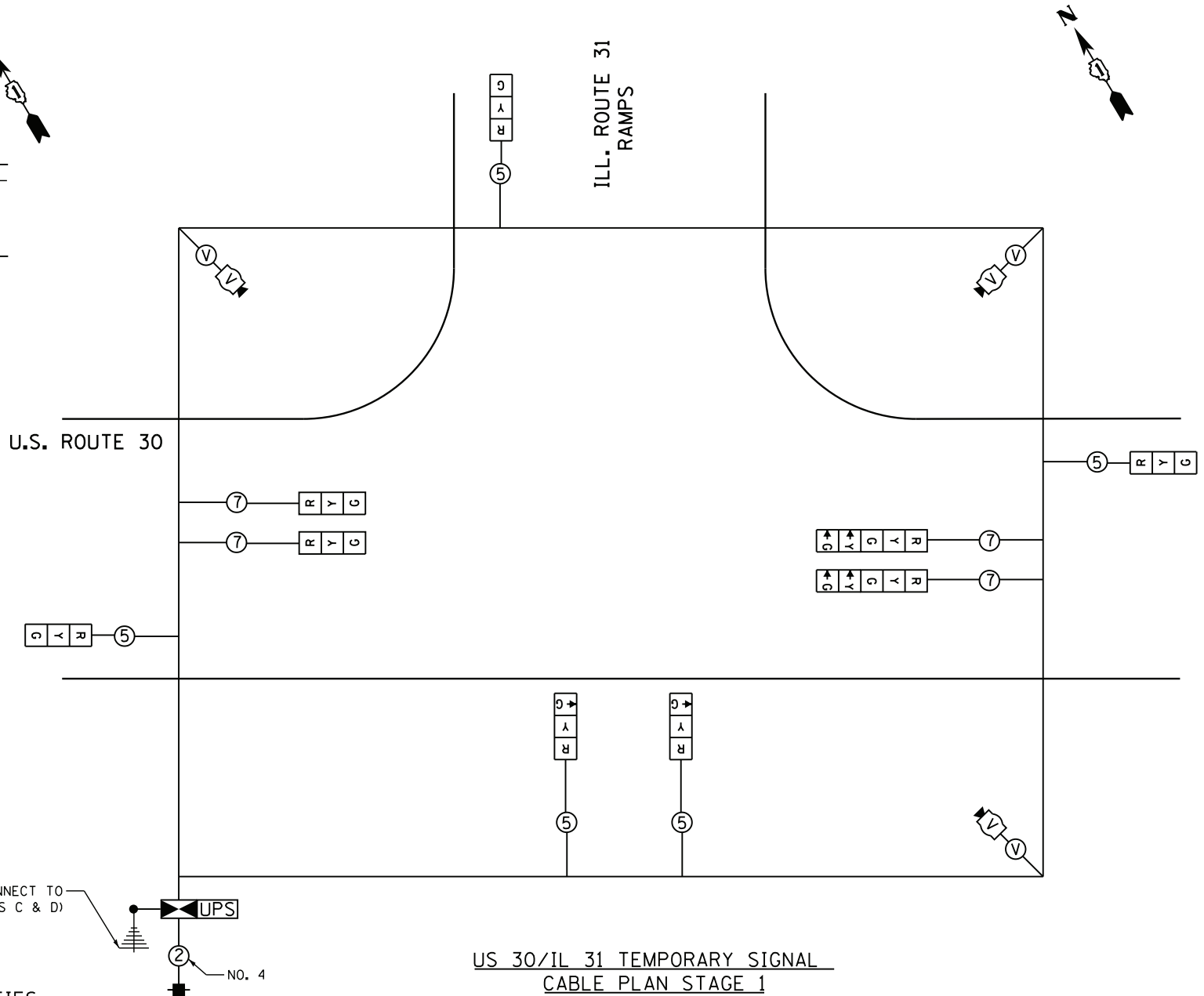
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE STAGE 1



U.S. ROUTE 30



US 30/IL 31 TEMPORARY SIGNAL CABLE PLAN STAGE 1

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
585	FOOT	SPAN WIRE
585	FOOT	TETHER WIRE
1105	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C
585	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C
500	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 4 2 C
5	EACH	TEMPORARY WOOD POLE, 45 FEET, CLASS 5
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
0,43	LSUM	VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	77
(YELLOW)	9	135	25	0.25	56
(GREEN)	9	135	15	0.25	34
ARROW	4	135	12	0.10	5
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					422

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT: LUCY ANDERBERG
PHONE: COMED
815-724-5691

ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE VIDEO CABLE SHALL BE INCLUDED IN THE PAY ITEM FOR VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION

FILE NAME =	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\DI0133RWAus30tempCAB1.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - JDH	REVISED -
	PLOT DATE = 6/20/2012	DATE - 6/15/2012	REVISED -

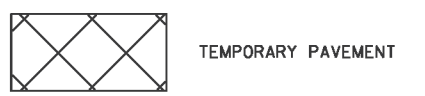
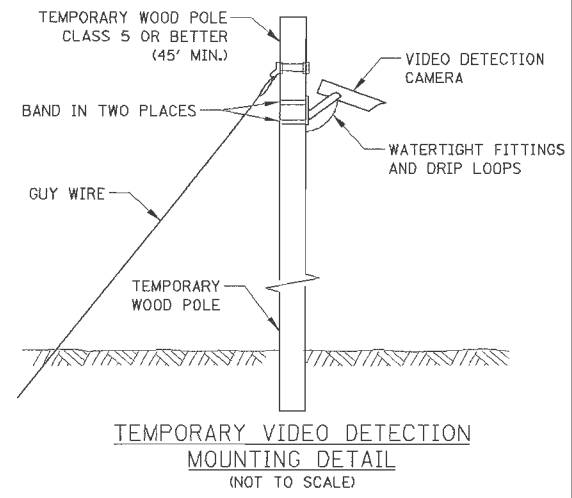
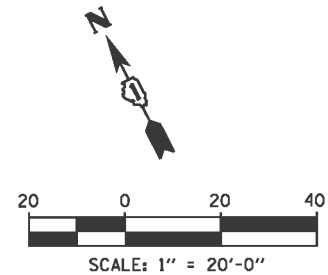
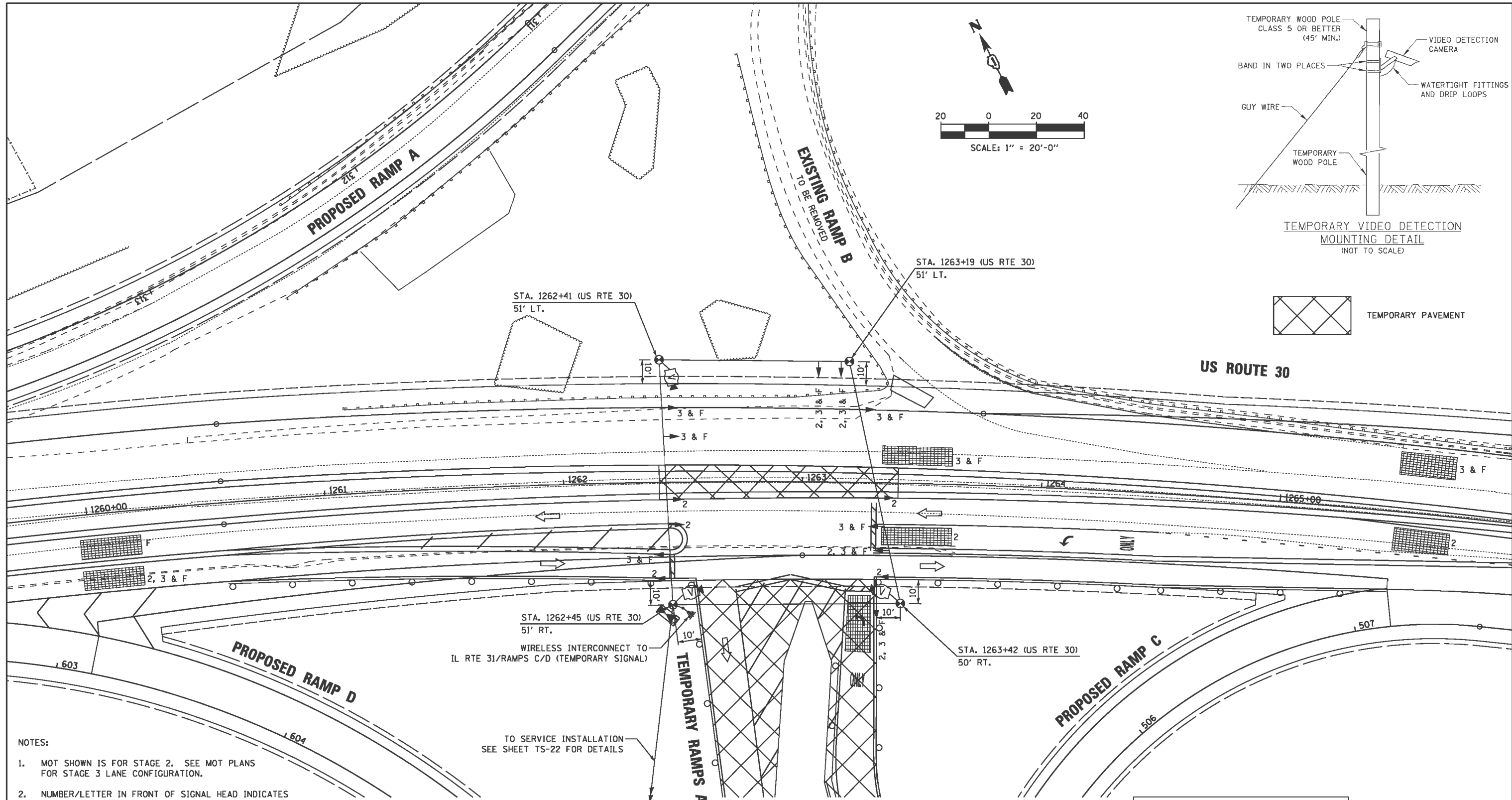
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM

**US ROUTE 30 AT ILL. RTE. 31
EB & WB RAMPS (RAMPS A,B,C,D) - MOT STAGE 1**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	183
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



- NOTES:
- MOT SHOWN IS FOR STAGE 2. SEE MOT PLANS FOR STAGE 3 LANE CONFIGURATION.
 - NUMBER/LETTER IN FRONT OF SIGNAL HEAD INDICATES MOT STAGE. THE LETTER F INDICATES THE FINAL POSITION AT THE END OF THE CONTRACT.
 - TEMPORARY RAMPS A/B SHALL REMAIN IN USE DURING MOT STAGES 2 AND 3, AND AT THE COMPLETION OF CONTRACT 60133.
 - HEAD & DETECTION ZONE PLACEMENT SHALL REMAIN IN STAGE 3 POSITION AT THE COMPLETION OF CONTRACT 60133.
- ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.

STA. 1262+41 (US RTE 30)
 51' LT.
 STA. 1262+45 (US RTE 30)
 51' RT.
 WIRELESS INTERCONNECT TO
 IL RTE 31/RAMPS C/D (TEMPORARY SIGNAL)

TO SERVICE INSTALLATION
 SEE SHEET TS-22 FOR DETAILS

SEE SHEET TS-21 FOR TEMPORARY TRAFFIC SIGNAL NOTES.

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

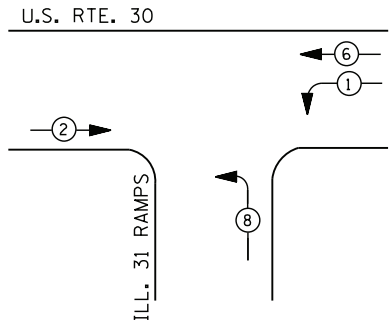
FILE NAME =	USER NAME = *USER*	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION MAINTENANCE OF TRAFFIC STAGES 2, 3 & FINAL U.S. ROUTE 30 AT ILL. RTE. 31 EB & WB RAMPS (RAMPS A, B, C & D)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	TOTAL SHEET NO.
K:\Projects\090654\Design\Sheet Files\09133RWAus30temp2.dgn	PLOT SCALE = *SCALE*	DRAWN - LV	REVISED -			349	(10 & 11 VB) R-3		507	184
	PLOT DATE = 5/14/2012	CHECKED - JDH	REVISED -			• KANE AND KENDALL		CONTRACT NO. 60133		
		DATE - 5/11/2012	REVISED -			SCALE: 1"=20'		SHEET NO. 1 OF 1 SHEETS		STA. TO STA. ILLINOIS FED. AID PROJECT

TS-20

NOTES FOR TEMPORARY TRAFFIC SIGNALS

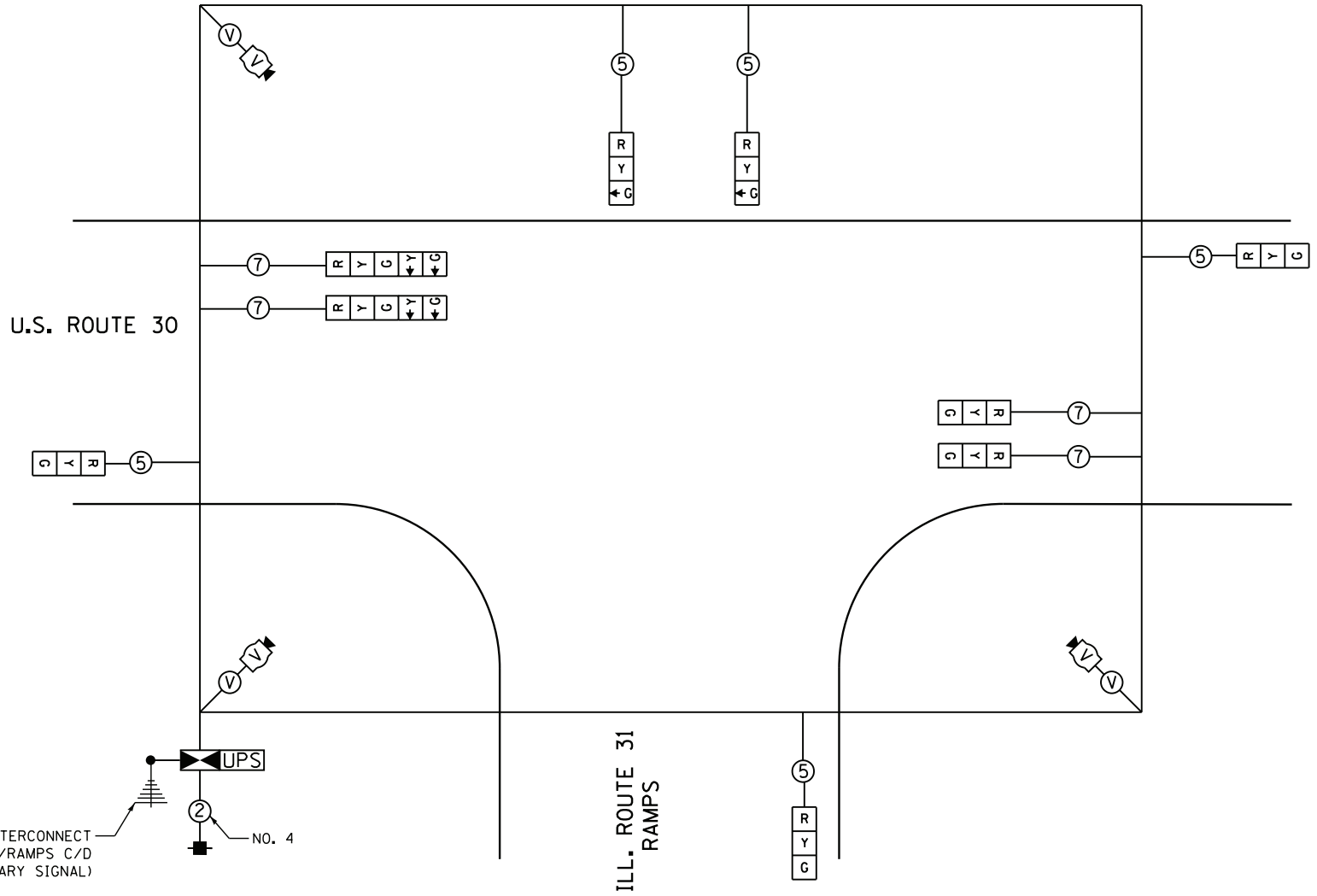
- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE STAGES 2, 3 & FINAL



LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE



US 30/IL 31 TEMPORARY SIGNAL CABLE PLAN STAGES 2, 3 & FINAL

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	77
(YELLOW)	9	135	25	0.25	56
(GREEN)	9	135	15	0.25	34
ARROW	4	135	12	0.10	5
CONTROLLER	1	100	100	1.00	100
VIDEO SYSTEM	1	150	-	1.00	150
TOTAL =					422

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT LUCY ANDERBERG
PHONE COMED
815-724-5691

SCHEDULE OF QUANTITIES

SEE SHEET TS-19

ALL TEMPORARY SIGNAL EQUIPMENT INSTALLED AT THIS INTERSECTION SHALL BE NEW AND SHALL BECOME THE PROPERTY OF THE STATE OF ILLINOIS UPON COMPLETION OF THIS CONTRACT AND ACCEPTANCE OF THE INSTALLATION BY THE STATE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

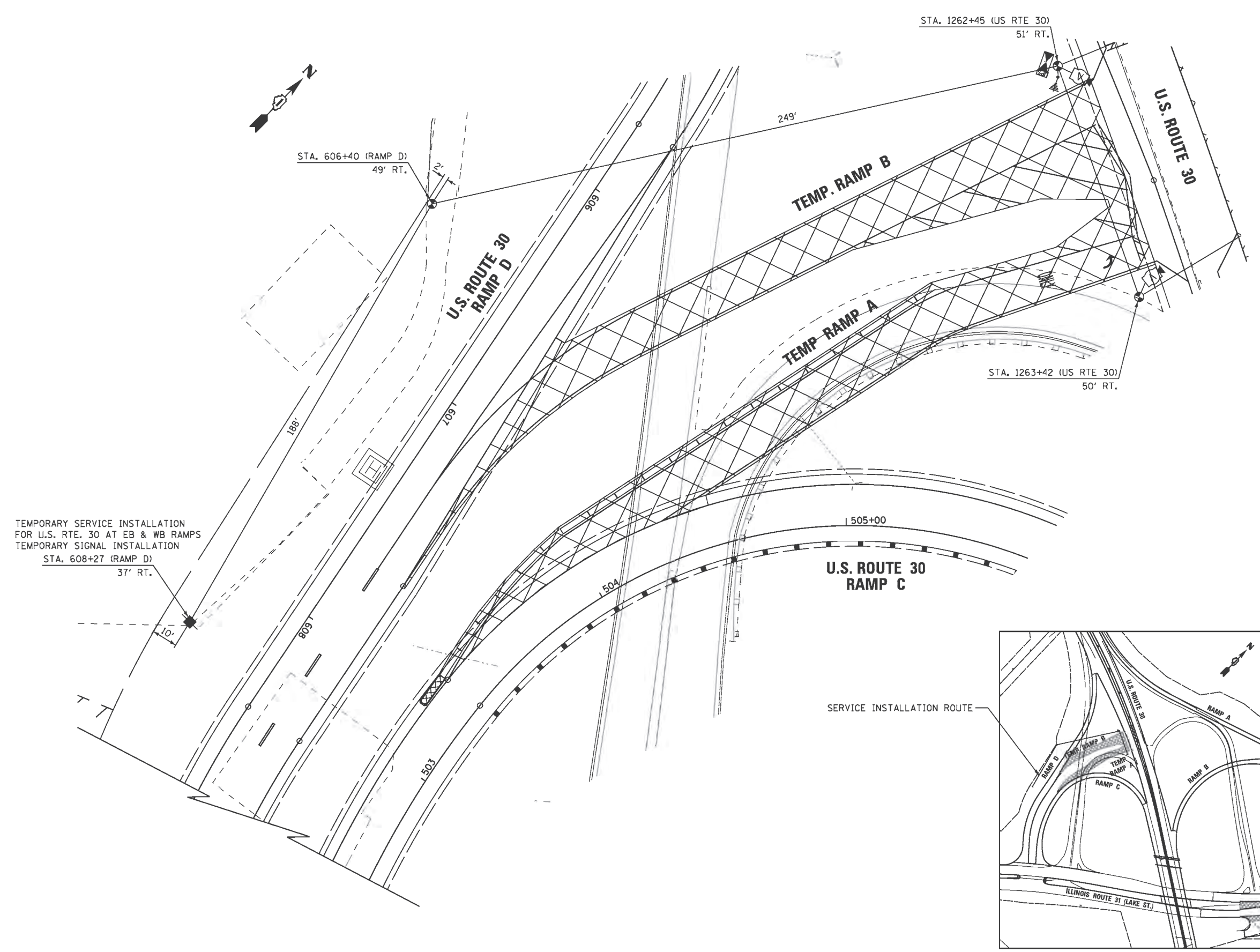
FILE NAME =	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\10133RWAus30tempCAB2.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - JDH	REVISED -
	PLOT DATE = 6/20/2012	DATE - 6/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

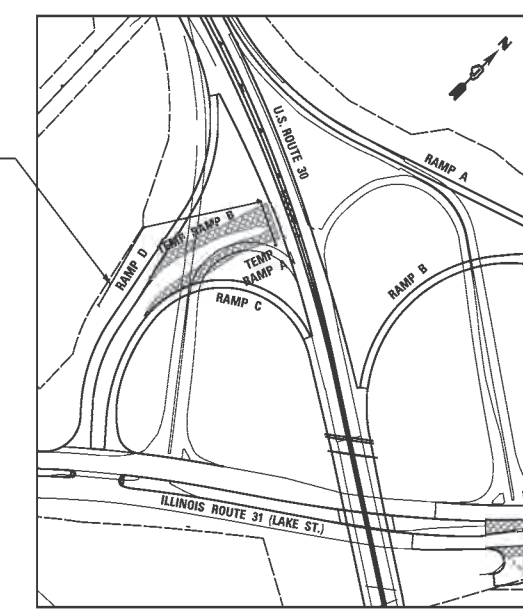
**TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM
U.S. ROUTE 30 AT ILL. RTE. 31 EB & WB RAMPS (RAMPS A,B,C,D)
MOT STAGES 2, 3 & FINAL**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

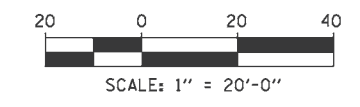
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	185
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



TEMPORARY SERVICE INSTALLATION
 FOR U.S. RTE. 30 AT EB & WB RAMPS
 TEMPORARY SIGNAL INSTALLATION
 STA. 608+27 (RAMP D)
 37' RT.



LOCATION MAP
 SCALE: 1" = 200'



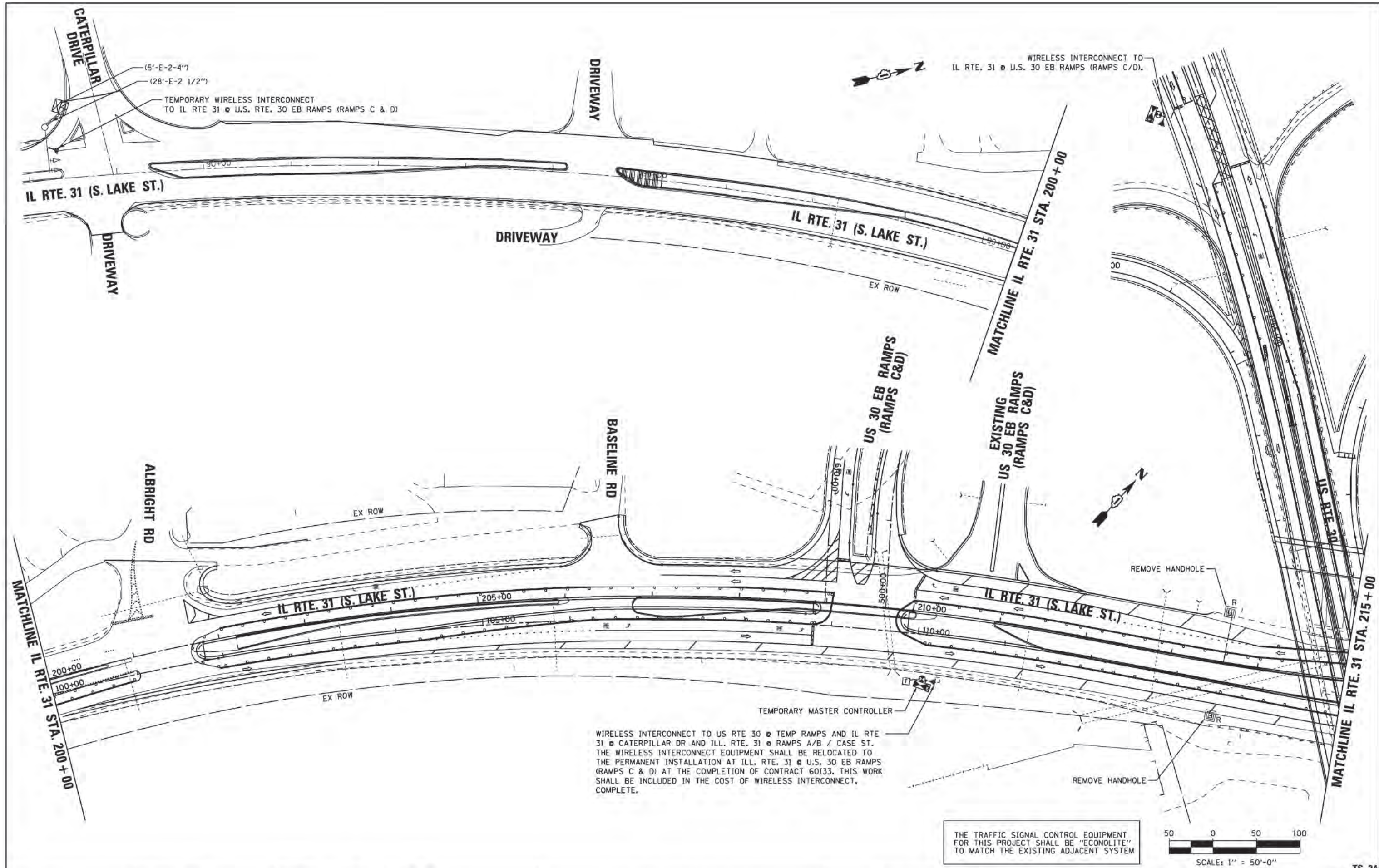
FILE NAME =	USER NAME = #USER#	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\DI	60133RWAus30temp3.dgn	DRAWN - LV	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - JDH	REVISED -
	PLOT DATE = 5/10/2012	DATE - 5/11/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SERVICE INSTALLATION
 US ROUTE 30 AT ILL. RTE. 31 EB & WB RAMPS**
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 185+00 TO STA. 215+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	186
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

TS-22



WIRELESS INTERCONNECT TO US RTE 30 @ TEMP RAMPS AND IL RTE 31 @ CATERPILLAR DR AND ILL. RTE. 31 @ RAMPS A/B / CASE ST. THE WIRELESS INTERCONNECT EQUIPMENT SHALL BE RELOCATED TO THE PERMANENT INSTALLATION AT ILL. RTE. 31 @ U.S. 30 EB RAMPS (RAMPS C & D) AT THE COMPLETION OF CONTRACT 60133. THIS WORK SHALL BE INCLUDED IN THE COST OF WIRELESS INTERCONNECT, COMPLETE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

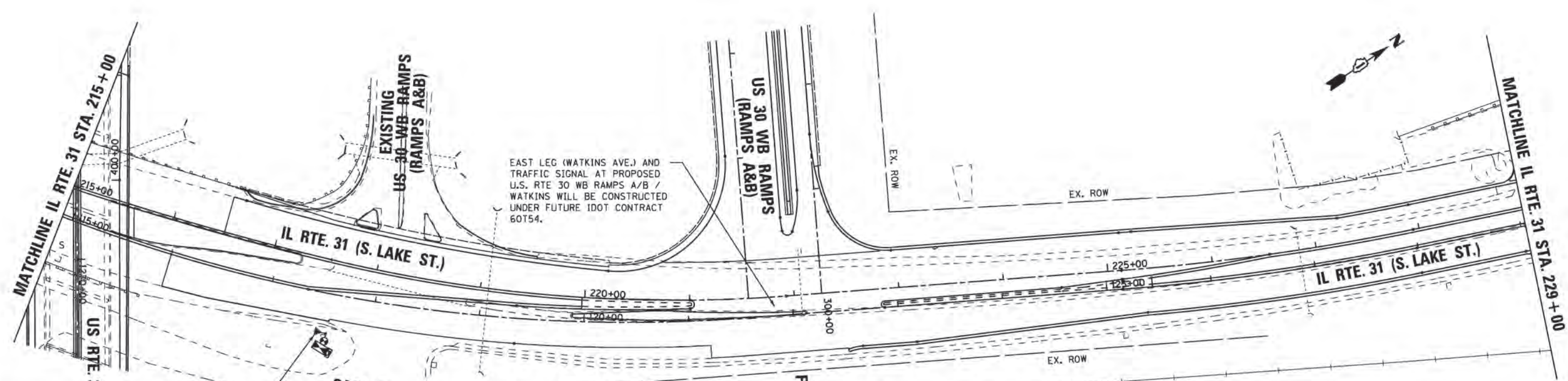
FILE NAME = K:\Projects\090054\Design\Sheet Files\0133\we31tempINT1.dgn	USER NAME = *USER*	DESIGNED - KMM	REVISED -
		DRAWN - LV	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -
	PLOT DATE = 5/14/2012	DATE - 5/11/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN IL ROUTE 31
 FROM CATERPILLAR DRIVE TO AUCUTT ROAD /WEBSTER STREET**
 SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 185+00 TO STA. 215+00

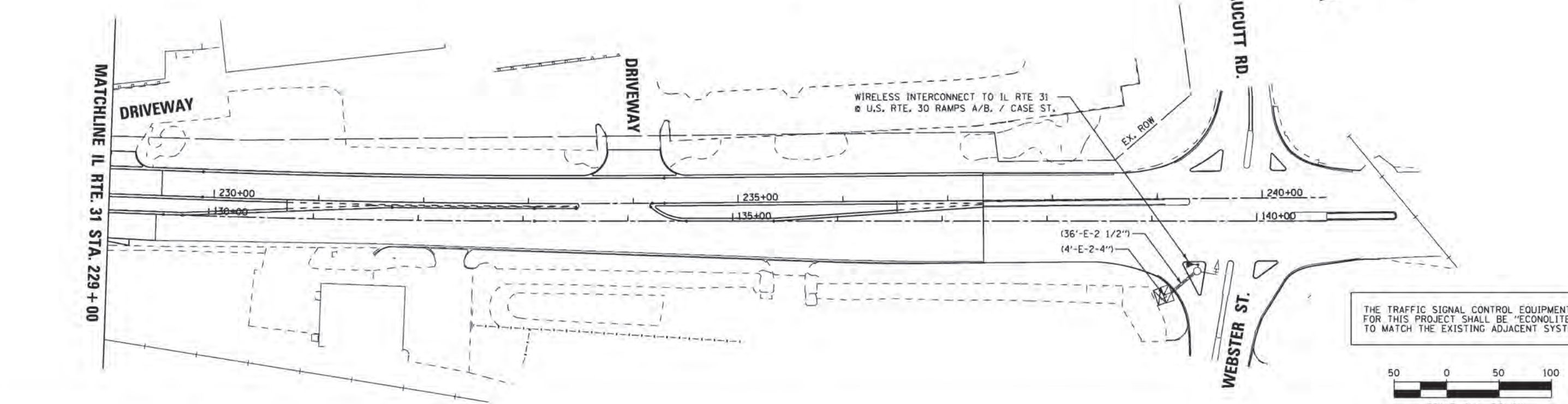
F.A. RTE. 349	SECTION (10 & 11 VBI) R-3	COUNTY	TOTAL SHEETS 507	SHEET NO. 188
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

TS-24

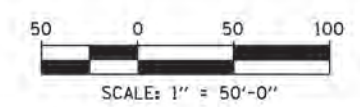


WIRELESS INTERCONNECT TO IL RTE 31 @ U.S. 30
 EB RAMPS (RAMPS C & D) AND ILL. RTE. 31 @
 AUCUTT ROAD/WEBSTER STREET

EAST LEG (WATKINS AVE.) AND
 TRAFFIC SIGNAL AT PROPOSED
 U.S. RTE 30 WB RAMPS A/B /
 WATKINS WILL BE CONSTRUCTED
 UNDER FUTURE IDOT CONTRACT
 60T54.



THE TRAFFIC SIGNAL CONTROL EQUIPMENT
 FOR THIS PROJECT SHALL BE "ECONOLITE"
 TO MATCH THE EXISTING ADJACENT SYSTEM



FILE NAME = K:\Projects\090054\Design\Sheet Files\0133\we31tempINT2.dgn	USER NAME = *USER*	DESIGNED - KMM	REVISED -
PLOT SCALE = *SCALE*	CHECKED - JDH	DRAWN - LV	REVISED -
PLOT DATE = 5/14/2012	DATE - 5/11/2012		REVISED -

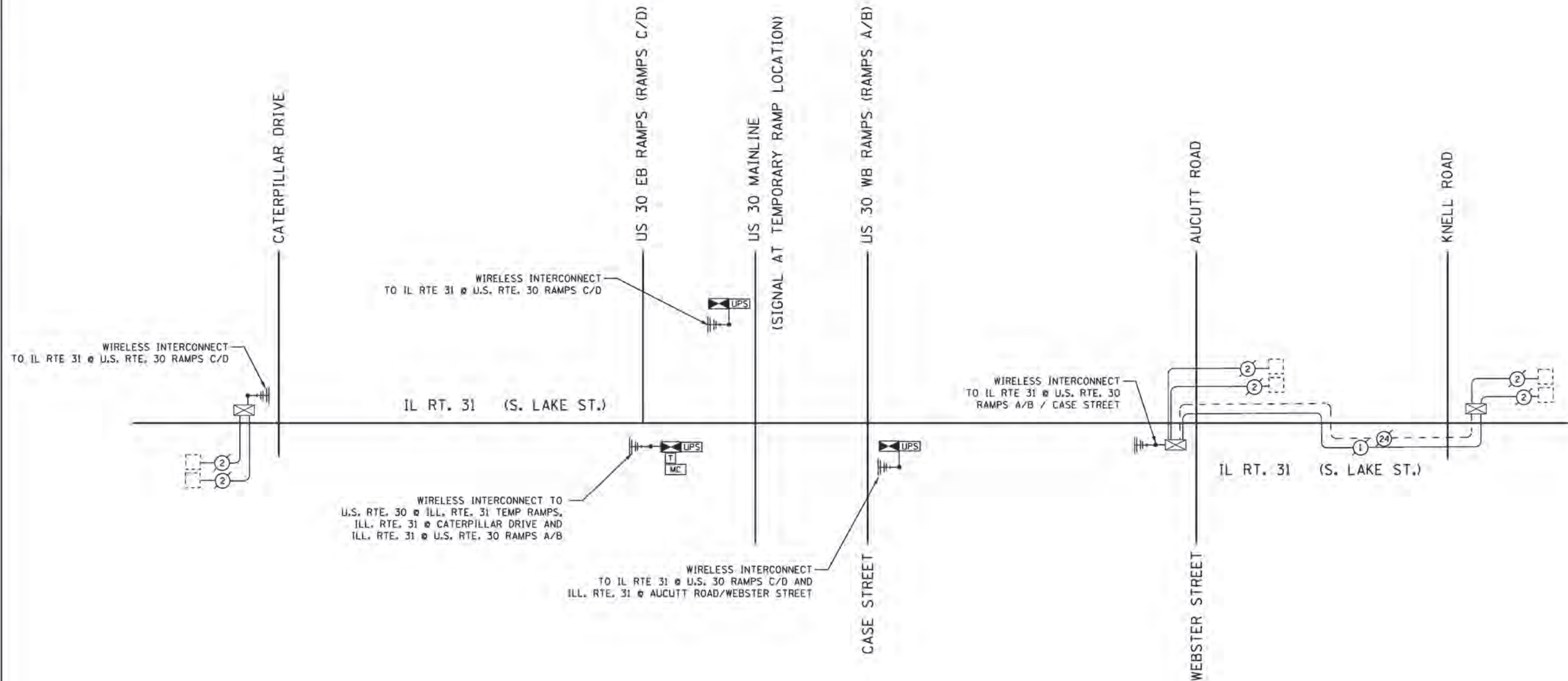
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN IL ROUTE 31
 FROM CATERPILLAR DRIVE TO AUCUTT ROAD /WEBSTER STREET**

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. 215+00 TO STA. 241+50

F.A. RTE. 349	SECTION (10 & 11 VBI) R-3	COUNTY * KANE AND KENDALL	TOTAL SHEETS 507	SHEET NO. 189
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60133	

TS-25

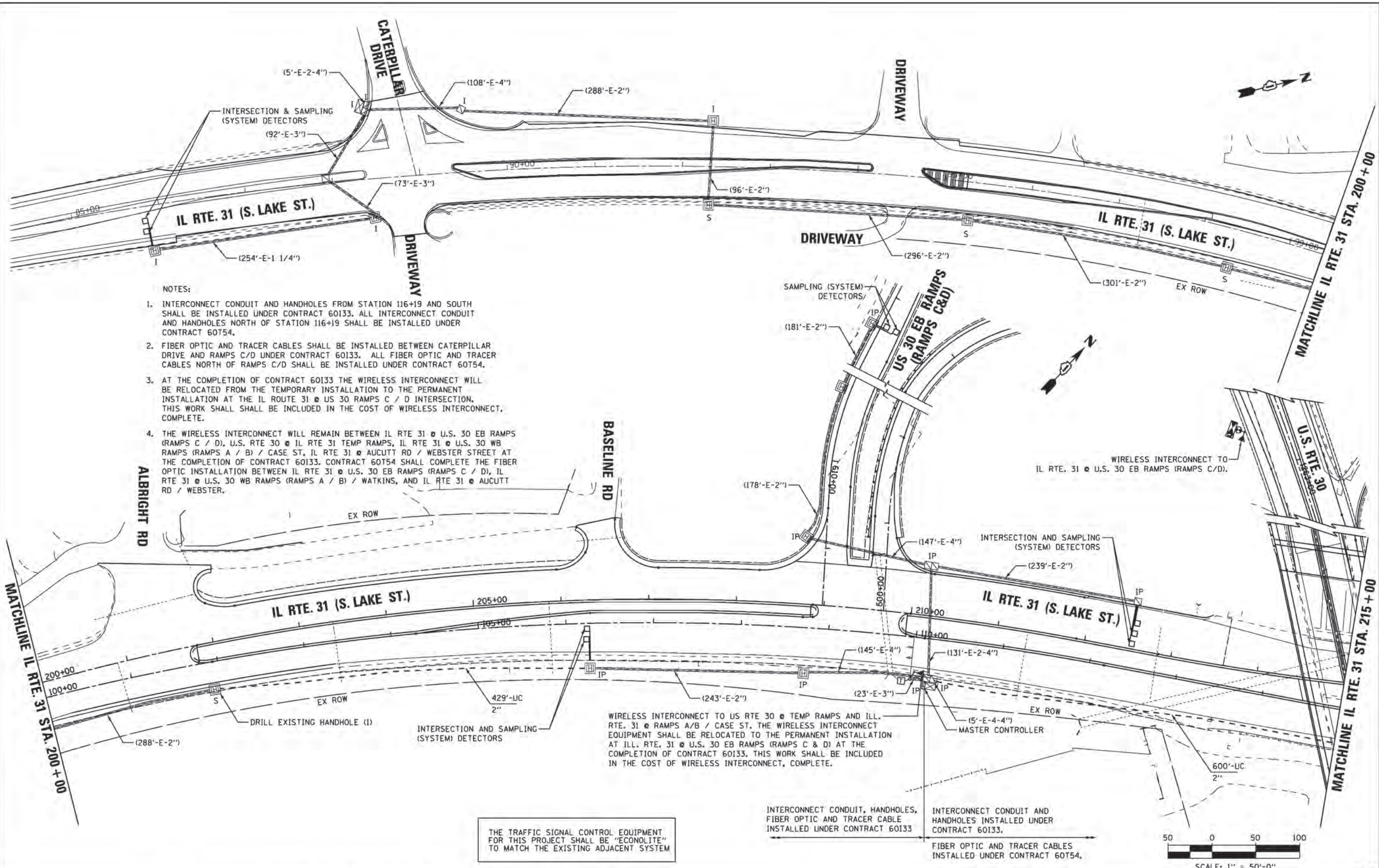


NOTE:
 AT THE COMPLETION OF CONTRACT 60133 THE WIRELESS INTERCONNECT WILL BE RELOCATED FROM THE TEMPORARY INSTALLATION TO THE PERMANENT INSTALLATION AT THE IL ROUTE 31 @ US 30 RAMPS C & D INTERSECTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE WIRELESS INTERCONNECT COMPLETE.

THE MASTER CONTROLLER AT IL RTE 31 @ U.S. RTE. 30 RAMPS C/D SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE CONTRACT, EVEN DURING THE RECONSTRUCTION OF RAMPS C/D WHEN TRAFFIC IS NOT USING THE RAMPS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

FILE NAME =	USER NAME = #USER#	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT SCHEMATIC PLAN ILL. RE. 31 FROM CATERPILLAR DRIVE TO KNELL ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
K:\Projects\W90054\Design\Sheet Files\DWG\60133\w031temp\Intschmidg		DRAWN - LV	REVISED -			349	10 & 11 VBI R-3		507	190
PLOT SCALE = #SCALE#		CHECKED - JDH	REVISED -			* KANE AND KENDALL		CONTRACT NO. 60133		
PLOT DATE = 5/18/2012		DATE - 5/11/2012	REVISED -			(ILLINOIS) FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.				



- NOTES:
1. INTERCONNECT CONDUIT AND HANDHOLES FROM STATION 116+19 AND SOUTH SHALL BE INSTALLED UNDER CONTRACT 60133. ALL INTERCONNECT CONDUIT AND HANDHOLES NORTH OF STATION 116+19 SHALL BE INSTALLED UNDER CONTRACT 60754.
 2. FIBER OPTIC AND TRACER CABLES SHALL BE INSTALLED BETWEEN CATERPILLAR DRIVE AND RAMPS C/D UNDER CONTRACT 60133. ALL FIBER OPTIC AND TRACER CABLES NORTH OF RAMPS C/D SHALL BE INSTALLED UNDER CONTRACT 60754.
 3. AT THE COMPLETION OF CONTRACT 60133 THE WIRELESS INTERCONNECT WILL BE RELOCATED FROM THE TEMPORARY INSTALLATION TO THE PERMANENT INSTALLATION AT THE IL ROUTE 31 @ US 30 RAMPS C / D INTERSECTION. THIS WORK SHALL BE INCLUDED IN THE COST OF WIRELESS INTERCONNECT, COMPLETE.
 4. THE WIRELESS INTERCONNECT WILL REMAIN BETWEEN IL RTE 31 @ U.S. 30 EB RAMPS (RAMPS C / D), U.S. RTE 30 @ IL RTE 31 TEMP RAMPS, IL RTE 31 @ U.S. 30 WB RAMPS (RAMPS A / B) / CASE ST, IL RTE 31 @ AUCUTT RD / WEBSTER STREET AT THE COMPLETION OF CONTRACT 60133. CONTRACT 60754 SHALL COMPLETE THE FIBER OPTIC INSTALLATION BETWEEN IL RTE 31 @ U.S. 30 EB RAMPS (RAMPS C / D), IL RTE 31 @ U.S. 30 WB RAMPS (RAMPS A / B) / WATKINS, AND IL RTE 31 @ AUCUTT RD / WEBSTER.

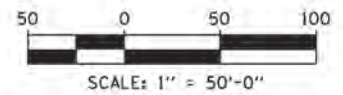
WIRELESS INTERCONNECT TO US RTE 30 @ TEMP RAMPS AND ILL. RTE. 31 @ RAMPS A/B / CASE ST. THE WIRELESS INTERCONNECT EQUIPMENT SHALL BE RELOCATED TO THE PERMANENT INSTALLATION AT ILL. RTE. 31 @ U.S. 30 EB RAMPS (RAMPS C & D) AT THE COMPLETION OF CONTRACT 60133. THIS WORK SHALL BE INCLUDED IN THE COST OF WIRELESS INTERCONNECT, COMPLETE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

INTERCONNECT CONDUIT, HANDHOLES, FIBER OPTIC AND TRACER CABLE INSTALLED UNDER CONTRACT 60133

INTERCONNECT CONDUIT AND HANDHOLES INSTALLED UNDER CONTRACT 60133.

FIBER OPTIC AND TRACER CABLES INSTALLED UNDER CONTRACT 60754.

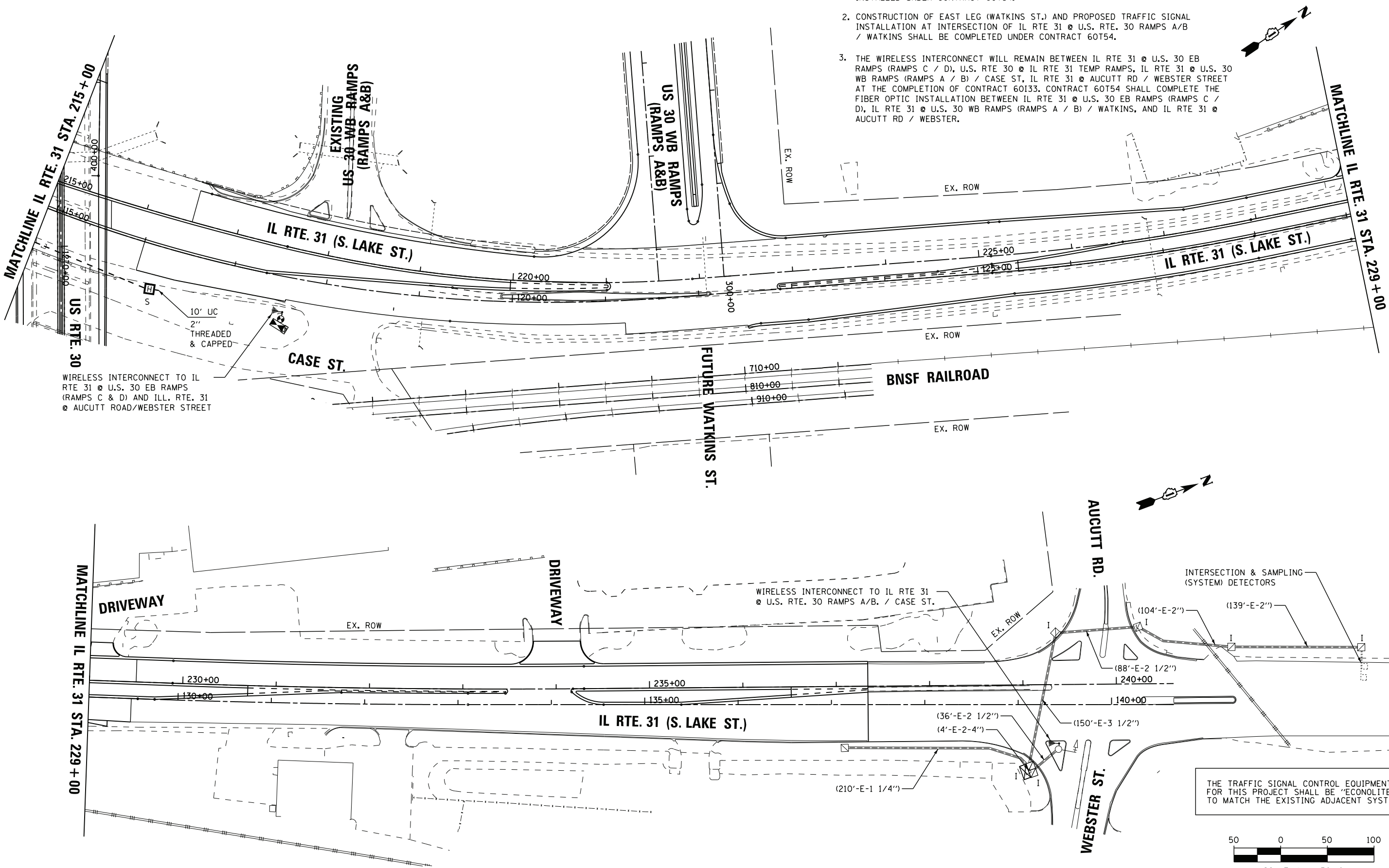


FILE NAME = K:\Projects\090054\Design\Sheet Files\DI60133\we31int.dgn	USER NAME = #USER#	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 31 FROM CATERPILLAR DRIVE TO KNELL RD	F.A. RTE. 349	SECTION (10 & 11 VBI) R-3	COUNTY * KANE AND KENDALL	TOTAL SHEETS 507	SHEET NO. 191	CONTRACT NO. 60133		
PLT SCALE = #SCALE#	CHECKED - JDH	REVISED -	REVISED -			SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS	STA. 185+00	TO STA. 215+00	ILLINOIS FED. AID PROJECT			
PLT DATE = 5/14/2012	DATE - 5/11/2012	REVISED -	REVISED -										

TS-27

NOTES:

1. ALL FIBER OPTIC NORTH OF THE IL31/ RAMP C/D CONTROLLER SHALL BE INSTALLED UNDER CONTRACT 60T54.
2. CONSTRUCTION OF EAST LEG (WATKINS ST.) AND PROPOSED TRAFFIC SIGNAL INSTALLATION AT INTERSECTION OF IL RTE 31 @ U.S. RTE. 30 RAMP A/B / WATKINS SHALL BE COMPLETED UNDER CONTRACT 60T54.
3. THE WIRELESS INTERCONNECT WILL REMAIN BETWEEN IL RTE 31 @ U.S. 30 EB RAMP (RAMP C / D), U.S. RTE 30 @ IL RTE 31 TEMP RAMP, IL RTE 31 @ U.S. 30 WB RAMP (RAMP A / B) / CASE ST, IL RTE 31 @ AUCUTT RD / WEBSTER STREET AT THE COMPLETION OF CONTRACT 60I33. CONTRACT 60T54 SHALL COMPLETE THE FIBER OPTIC INSTALLATION BETWEEN IL RTE 31 @ U.S. 30 EB RAMP (RAMP C / D), IL RTE 31 @ U.S. 30 WB RAMP (RAMP A / B) / WATKINS, AND IL RTE 31 @ AUCUTT RD / WEBSTER.

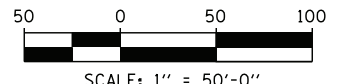


WIRELESS INTERCONNECT TO IL RTE 31 @ U.S. 30 EB RAMP (RAMP C & D) AND ILL. RTE. 31 @ AUCUTT ROAD/WEBSTER STREET

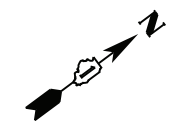
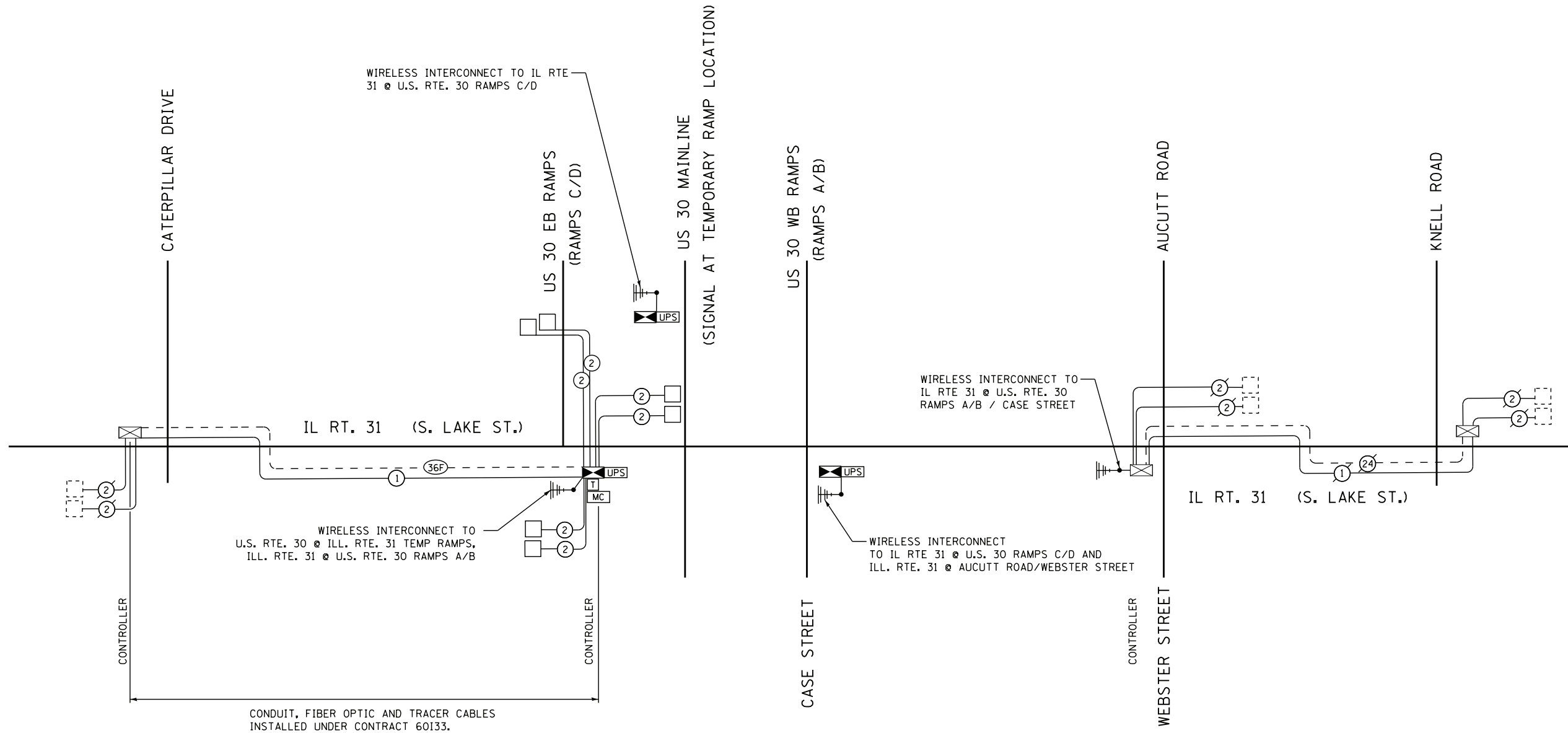
WIRELESS INTERCONNECT TO IL RTE 31 @ U.S. RTE. 30 RAMP A/B. / CASE ST.

INTERSECTION & SAMPLING (SYSTEM) DETECTORS

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM



FILE NAME = K:\Projects\090064\Design\Sheet Files\DI60I33rwa31int2.dgn	USER NAME = \$USER\$	DESIGNED - KMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 31 FROM CATERPILLAR DRIVE TO AUCUTT ROAD /WEBSTER STREET			F.A. RTE. 349	SECTION (10 & 11 VB) R-3	COUNTY KANE AND KENDALL	TOTAL SHEETS 507	SHEET NO. 192	TS-28 CONTRACT NO. 60I33 ILLINOIS FED. AID PROJECT	
PLOT SCALE = \$SCALE\$	CHECKED - JDH	REVISOR -	REVISOR -		SCALE: 1"=50'	SHEET NO. 2 OF 2 SHEETS	STA. 215+00 TO STA. 241+50							
PLOT DATE = 6/20/2012	DATE - 6/15/2012	REVISOR -	REVISOR -											



INTERCONNECT SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1039
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
MASTER CONTROLLER (SPECIAL)	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2317
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	2291
DRILL EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CABLE	FOOT	1450
WIRELESS INTERCONNECT, COMPLETE	EACH	1

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

NOTE:

THE WIRELESS INTERCONNECT WILL REMAIN BETWEEN IL RTE 31 @ U.S. 30 EB RAMP (RAMPS C / D), U.S. RTE 30 @ IL RTE 31 TEMP RAMP, IL RTE 31 @ U.S. 30 WB RAMP (RAMPS A / B) / CASE ST, IL RTE 31 @ AUCUTT RD / WEBSTER STREET AT THE COMPLETION OF CONTRACT 60133. CONTRACT 60T54 SHALL COMPLETE THE FIBER OPTIC INSTALLATION BETWEEN IL RTE 31 @ U.S. 30 EB RAMP (RAMPS C / D), IL RTE 31 @ U.S. 30 WB RAMP (RAMPS A / B) / WATKINS, AND IL RTE 31 @ AUCUTT RD / WEBSTER.

FILE NAME =	USER NAME = *USER*	DESIGNED - KMM	REVISED -
K:\Projects\090064\Design\Sheet Files\0133rwa31INTschem.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - JDH	REVISED -
	PLOT DATE = 6/20/2012	DATE - 6/15/2012	REVISED -

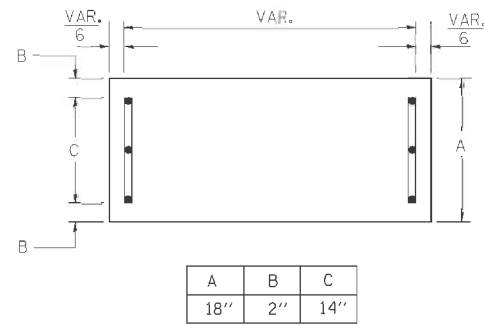
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC PLAN
 FROM CATERPILLAR DRIVE TO KNELL ROAD**

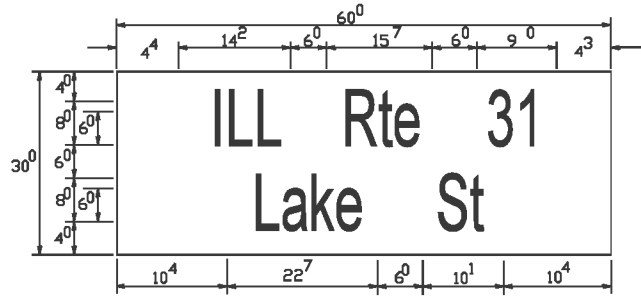
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3		507	193
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

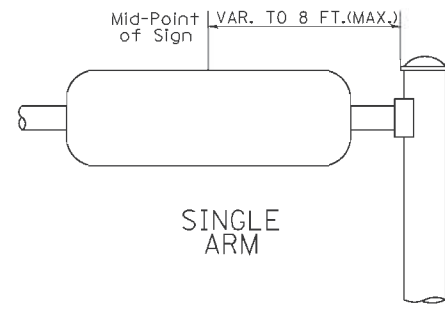
SUPPORTING CHANNELS



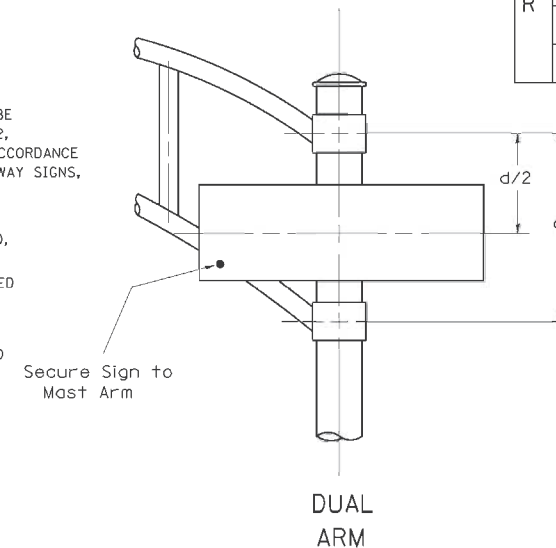
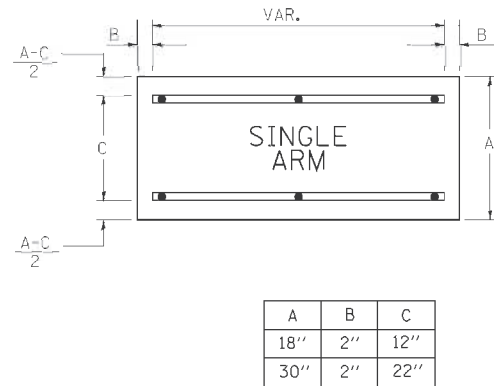
PANEL SIGN DESIGN TYPE 2



___ Sq. M. each
 12.5 Sq. Ft. each
 1 Required
 Design Series D



SUPPORTING CHANNELS



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																	
	acde		bhikl		f w		j		s t		v y		x		z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ²	1 ⁴		
B	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁶	1 ⁷		
C E G	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵		
D O Q R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵		
F	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²		
H I M N	2 ⁰	2 ¹	2 ²	2 ⁴	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹	2 ⁰	2 ¹		
J U	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹		
K L	1 ¹	1 ²	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
P	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
S	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴		
T	1 ¹	1 ²	1 ⁶	1 ⁷	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
V	0 ⁶	1 ⁰	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴		
Y	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁵	0 ⁷	0 ⁵	0 ⁶	0 ⁶	1 ⁰	1 ¹	1 ²		
Z	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹		

EXAMPLE, 2³ DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	UPPER AND LOWER CASE LETTER WIDTHS				LETTERS	6 INCH LOWER CASE LETTERS	
	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS			6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																	
	acde		bhikl		f w		j		s t		v y		x		z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
adhgi	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷		
lmnqu																		
bfkops	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
ce	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴		
r	0 ⁶	1 ⁰	1 ²	1 ⁴	0 ⁶	1 ⁰	0 ³	0 ³	0 ⁵	0 ⁶	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰		
tz	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
vy	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²		
w	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
x	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		

Number To Number
 Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷
1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2 3 4	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁶	1 ⁷	1 ⁴	1 ⁵
5	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
6	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
7	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴
8	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁴	1 ⁵

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * J.O. HERBERT CO. MIDLOTHIAN, VA.
 - * WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:
 SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 SELF TAPPING WITH NEOPRENE WASHER
 BRACKETS PART *HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
 OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

FILE NAME =	USER NAME = *USER*	DESIGNED - KMM	REVISED -
K:\Projects\090864\Design\Sheet Files\0133\wam\sign.dgn		DRAWN - LV	REVISED -
		CHECKED - JDH	REVISED -
		DATE - 5/11/2012	REVISED -

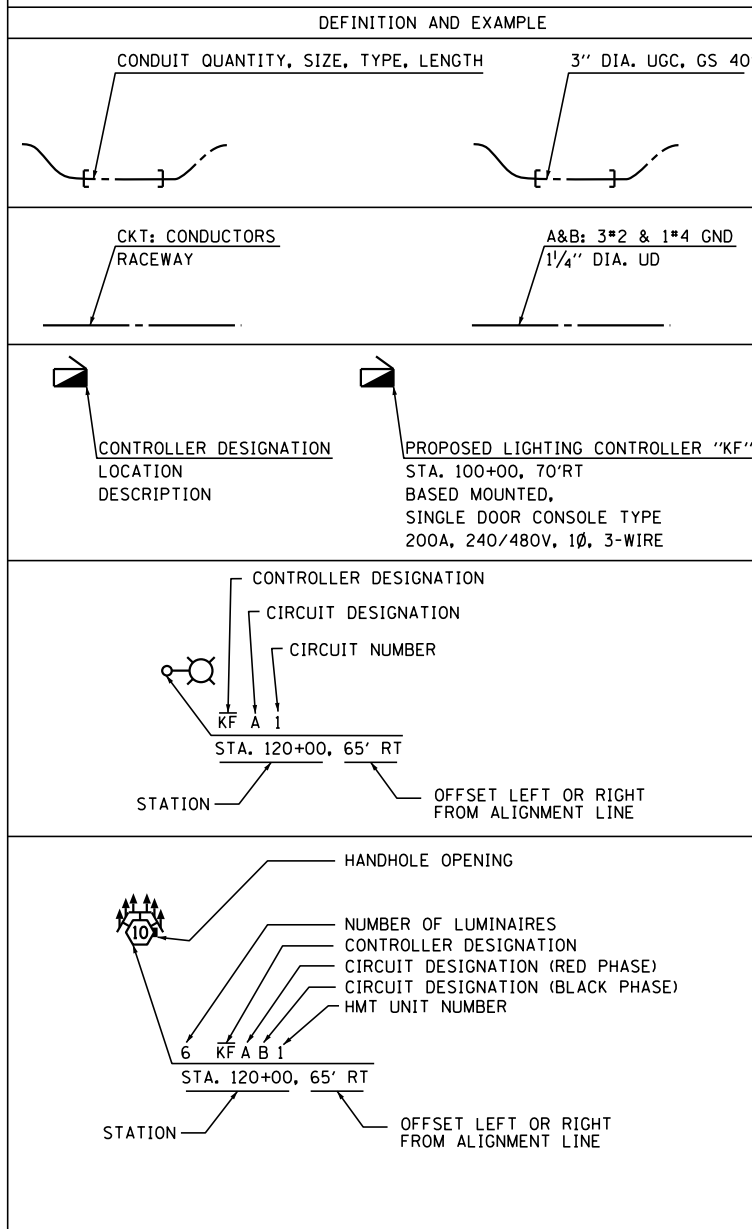
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING HIGH MAST LIGHTING TOWER UNIT TO BE REMOVED, 100FT, 750W HPS LUMINAIRES, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
	EXISTING PEDESTAL MOUNTED LIGHTING CONTROLLER, TO BE REMOVED
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING ELECTRIC UTILITY POLE
	EXISTING JUNCTION BOX
	EXISTING CONDUIT TO BE REMOVED
	EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED
	PROPOSED HIGH MAST LIGHTING TOWER UNIT, 100FT, 400W HPS TYPE M-C-III LUMINAIRES, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES
	PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY TRANSFORMER BASE, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 10FT DAVIT ARM U.N.O.
	PROPOSED STRUCTURE MOUNTED LIGHTING UNIT, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 8FT DAVIT ARM U.N.O.
	PROPOSED UNDERPASS LUMINAIRE, SUSPENDED MOUNT, 70W HPS TYPE M-C-III
	PROPOSED LIGHTING CONTROLLER, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED ELECTRIC UTILITY POLE
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN EXPOSED OR EMBEDDED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED AERIAL LIGHTING CABLE WITH MESSENGER WIRE
	ELECTRIC GROUND ROD
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN

CALL-OUT SAMPLE



INDEX OF DRAWINGS:

DRAWING NO.	TITLE
L-1	LEGEND, ABBREVIATION, GENERAL NOTES, AND INDEX OF DRAWINGS
L-2	SCHEDULE OF LIGHTING AND ELECTRICAL QUANTITIES
L-3	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
L-4	PROPOSED LIGHTING PLANS (SHEET 1 OF 6)
L-5	PROPOSED LIGHTING PLANS (SHEET 2 OF 6)
L-6	PROPOSED LIGHTING PLANS (SHEET 3 OF 6)
L-7	PROPOSED LIGHTING PLANS (SHEET 4 OF 6)
L-8	PROPOSED LIGHTING PLANS (SHEET 5 OF 6)
L-9	PROPOSED LIGHTING PLANS (SHEET 6 OF 6)
L-10	UNDERPASS LIGHTING PLAN
L-11	LIGHTING CONTROLLER "KF" WIRING DIAGRAM
L-12	CONDUIT TRANSITION DETAILS
L-13	UNDERPASS LUMINAIRE MOUNTING DETAILS
L-14	HIGH MAST TOWER PAD DETAIL- TYPE A
L-15	HIGH MAST TOWER PAD DETAIL- TYPE B

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- CONTRACTOR SHALL INSTALL CONDUIT EXPANSION/DEFLECTION COUPLING AT STRUCTURE JOINTS AS NEEDED PER IDOT-D1 STANDARD DRAWING NO. BE-703 AT NO ADDITIONAL COST.
- FOR LIGHT POLE AND HIGH MAST TOWER FOUNDATIONS, THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE GIVEN IN THE IDOT-01 STANDARD DETAILS BE301 AND BE501.

IDOT-D1 STANDARDS:

DRAWING NO.	STANDARD NO.	TITLE
L-16	BE-215	LIGHTING CONTROLLER SINGLE DOOR
L-17	BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
L-18	BE-301	LIGHT POLE FOUNDATION 40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
L-19	BE-410	DAVIT LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
L-20,21,22	BE-500	HIGH MAST LIGHT TOWER 90 FT TO 110 FT (27 m TO 34 m) (3 SHEETS)
L-23,24	BE-501	HIGH MAST LIGHT TOWER 90 FT TO 110 FT (27 m TO 34 m) FOUNDATION DETAIL (2 SHEETS)
L-25	BE-702	MISC. ELECTRICAL DETAILS SHEET A
L-26	BE-703	MISCELLANEOUS ELECTRICAL DETAILS, SHEET B
L-27	BE-900	J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING SUSPENDED MOUNT UNDERPASS LUMINAIRE INSTALLATION DETAILS



Exp: 11/30/2013
Gregory Kelly
LIGHTING SHEETS L-1 TO L-27

J:\265\dgn\Sheets\10033-sh1-light-01.dgn 6/26/2012 11:26:06 AM



USER NAME = kprejapati	DESIGNED - KP	REVISED -
DRAWN - WC/RP	CHECKED - GR	REVISED -
PLOT SCALE = 100.0000' / 1"	DATE - 06/15/2012	REVISED -
PLOT DATE = 6/26/2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
LEGEND, ABBREVIATION, GENERAL NOTES, AND INDEX OF DRAWINGS
SCALE: N.T.S. SHEET NO. 1 OF 27 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	195
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	KANE COUNTY QUANTITY	KENDALL COUNTY QUANTITY	TOTAL COUNTY
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1136		1136
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	450		450
* 81100705	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	80		80
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1760		1760
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	10		10
81300800	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	4		4
* 81304600	JUNCTION BOX EMBEDDED IN STRUCTURE 18" X 12" X 6"	EACH	4		4
* 81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2880		2880
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	5962	400	6362
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1630		1630
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	760		760
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1154		1154
* 81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	1154		1154
* 81702410	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	760		760
* 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	180		180
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	18	3	21
* 82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	60		60

* INDICATES SPECIAL PROVISION

CODE NO.	ITEM	UNIT	KANE COUNTY QUANTITY	KENDALL COUNTY QUANTITY	TOTAL COUNTY
* 82107100	UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8		8
82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1		1
83050730	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. DAVIT ARM	EACH	6		6
83050775	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. DAVIT ARM	EACH	12	3	15
* LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 12	EACH	9			9
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	120	30	150
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	180		180
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8	2	10
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	12		12
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1		1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1		1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		1
* X0322433	LIGHT TOWER, SERVICE PAD	EACH	3		3
* X0322434	LIGHT TOWER, SERVICE PAD, SPECIAL	EACH	6		6
* X8210305	PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING	L SUM	1		1
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12		12
* REMOVAL OF EXISTING HIGH MAST LIGHT TOWER, NO SALVAGE	EACH	4			4
* REMOVE EXISTING TOWER CONCRETE FOUNDATION	EACH	4			4

* INDICATES SPECIAL PROVISION

J:\265\dgn\Sheets\160133-sh1-light-02.dgn
6/26/2012 11:26:08 AM

SINGH
CONSULTING ENGINEERS
www.singhinc.com

USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 2 OF 27 SHEETS STA. ----- TO STA. -----

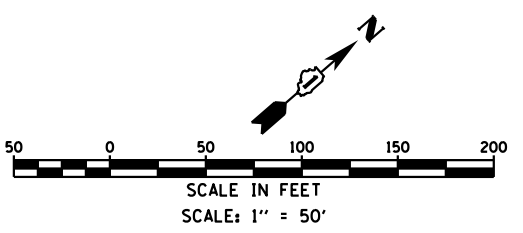
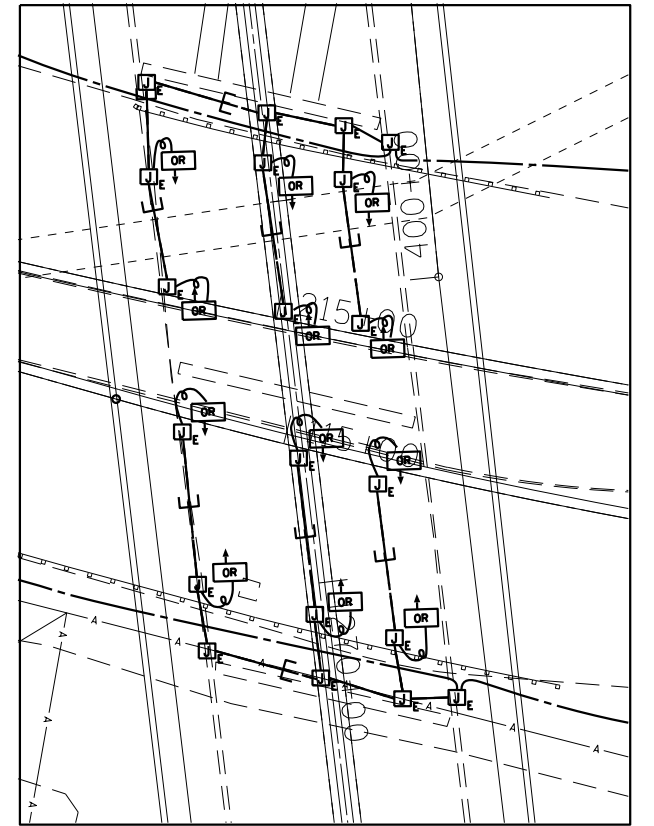
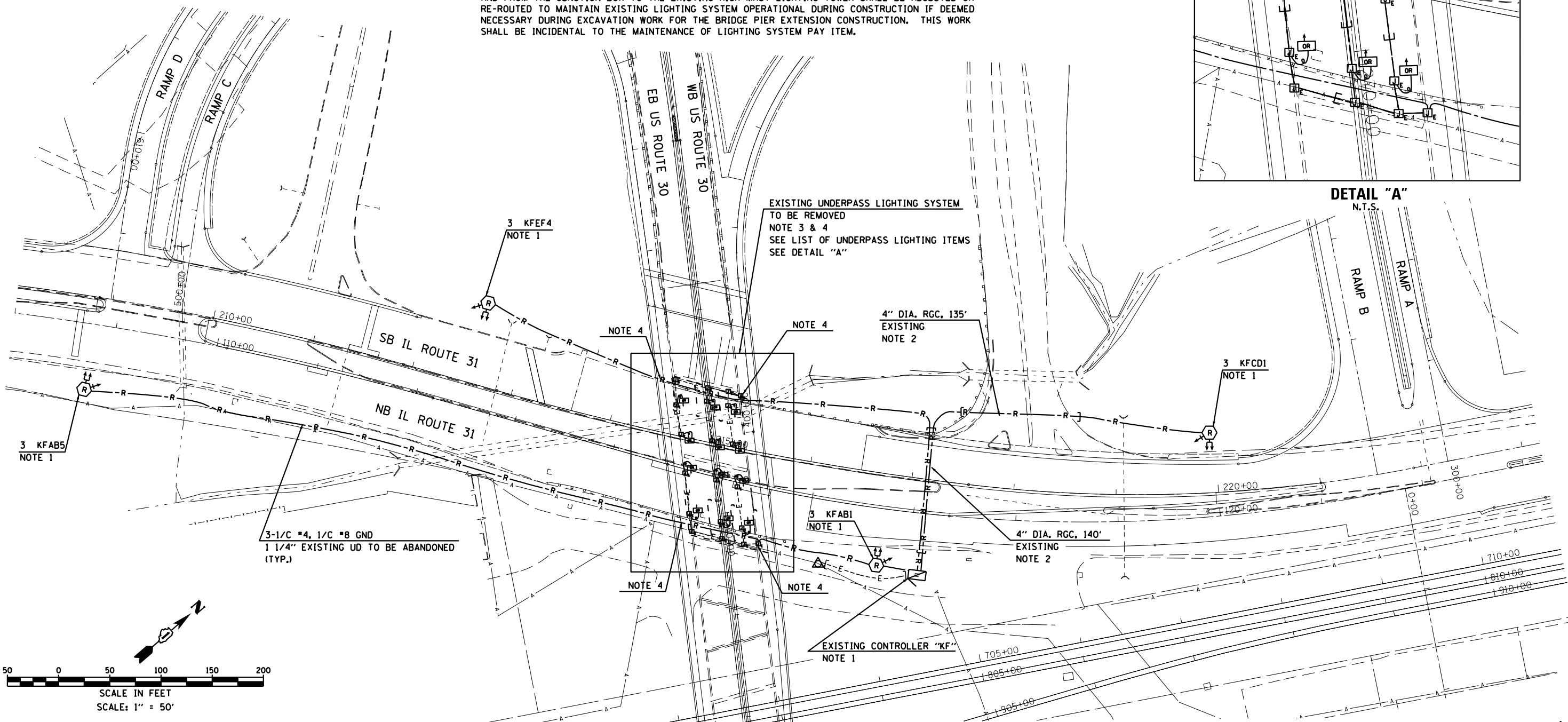
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	196
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

LIST OF UNDERPASS LIGHTING ITEMS TO BE REMOVED:

- 12- 50W LPS SUSPENDED MOUNT LUMINAIRES (6-ON CIRCUIT A&B AND 6 ON CIRCUIT E&F)
- 2- 12"x10"x6" SS JB ATTACHED TO PIER COLUMNS
- 6- 10"x8"x4" SS JB ATTACHED TO FACE OF THE PIER CAPS
- 12- 6"x4"x4" SS JB ATTACHED UNDERNEATH BRIDGE DECK.
- 72FT- 1" DIA. LIQUID TIGHT FLEXIBLE CONDUIT AND WIRING
- 567FT- 1" DIA. PVCC RGC ATTACHED TO THE STRUCTURE AND WIRING
- 32FT - 2 1/2" DIA. PVCC RGC ATTACHED TO THE STRUCTURE AND WIRING

NOTES:

1. THE EXISTING HIGH MAST LIGHTING TOWER UNITS, THE LIGHTING CONTROLLER AND UTILITY SERVICE DROP SHALL BE REMOVED AFTER THE PROPOSED LIGHTING SYSTEM IS FULLY OPERATIONAL. REMOVED ITEMS SHALL BE SALVAGED AS DESCRIBED IN THE SPECIFICATIONS AND BREAKDOWN THE FOUNDATIONS AS APPLICABLE.
2. THE EXISTING UNDERGROUND UNIT DUCTS IN CONDUIT CROSSING THE ROADWAY SHALL NOT BE DISRUPTED DURING EXISTING PAVEMENT REMOVAL AND INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE ROADWAY CONSTRUCTION STAGES. ANY DAMAGE TO EXISTING UNIT DUCTS IN CONDUIT CROSSING THE ROADWAY SHALL BE REPLACED IN KIND THE SAME DAY SUCH THAT LIGHTING SYSTEM IS FULLY OPERATIONAL BEFORE NIGHT. THIS WORK SHALL BE APPROVED BY THE ENGINEER AND AT NO ADDITIONAL COST TO THE STATE.
3. THE EXISTING UNDERPASS LIGHTING SYSTEM REMOVAL SHALL BE COORDINATED WITH THE BRIDGE STRUCTURE REMOVAL. DURING CONSTRUCTION OF THE EASTBOUND U.S. ROUTE 30 BRIDGE DECK, CONTRACTOR SHALL BE RESPONSIBLE MAINTAIN THE EXISTING UNDERPASS LIGHTING UNDER THE WESTBOUND U.S. ROUTE 30 BRIDGE DECK OPERATIONAL IF NOT AFFECTED BY THE BRIDGE DECK REMOVAL. CONTRACTOR IS RESPONSIBLE TO MAKE THE PROPOSED UNDERPASS LIGHTING UNDER THE EASTBOUND U.S. ROUTE 30 BRIDGE DECK OPERATIONAL BEFORE REMOVING THE EXISTING UNDERPASS LIGHTING UNDER THE WESTBOUND U.S. ROUTE 30 BRIDGE DECK. THIS WORK SHALL BE INCIDENTAL TO THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM.
4. THE EXISTING UNDERGROUND UNIT DUCTS GOING TO THE JUNCTION BOX ATTACHED TO THE BRIDGE PIER AND FROM THE JUNCTION BOX TO THE EXISTING HIGH MAST LIGHTING TOWER SHALL BE ADJUSTED OR RE-ROUTED TO MAINTAIN EXISTING LIGHTING SYSTEM OPERATIONAL DURING CONSTRUCTION IF DEEMED NECESSARY DURING EXCAVATION WORK FOR THE BRIDGE PIER EXTENSION CONSTRUCTION. THIS WORK SHALL BE INCIDENTAL TO THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM.



3-1/C #4, 1/C #8 GND
1 1/4" EXISTING UD TO BE ABANDONED (TYP.)

EXISTING UNDERPASS LIGHTING SYSTEM
TO BE REMOVED
NOTE 3 & 4
SEE LIST OF UNDERPASS LIGHTING ITEMS
SEE DETAIL "A"

J:\265\dgn\Sheets\10033-shr-light-03.dgn 6/26/2012 11:26:30 AM

SINGH
CONSULTING ENGINEERS
www.singhinc.com

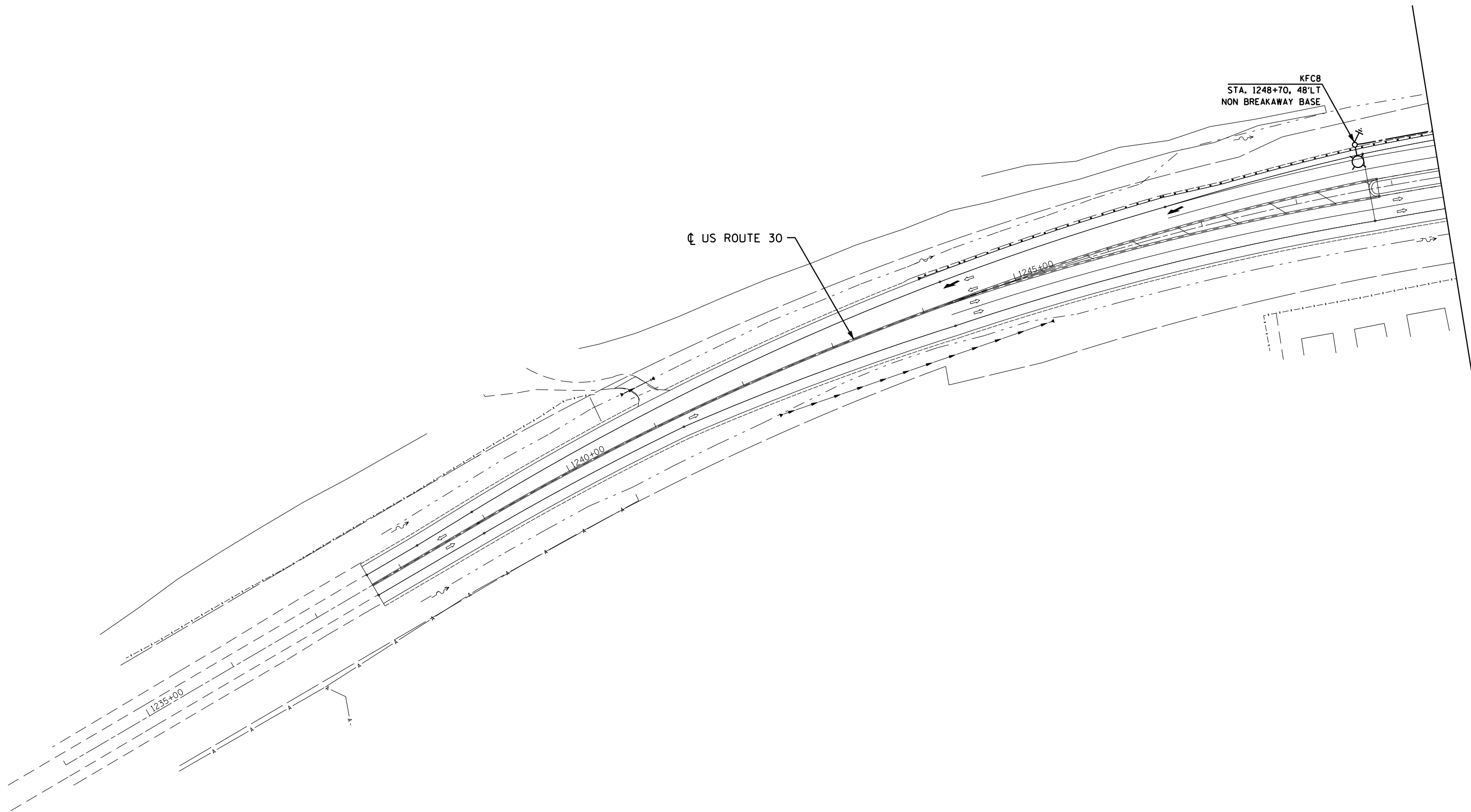
USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS**
SCALE: AS NOTED SHEET NO. 3 OF 27 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	197
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				

J:\265\dgn\Sheets\160133-sht-light-04.dgn
6/26/2012 11:26:32 AM



SINGH
CONSULTING ENGINEERS
www.singhinc.com

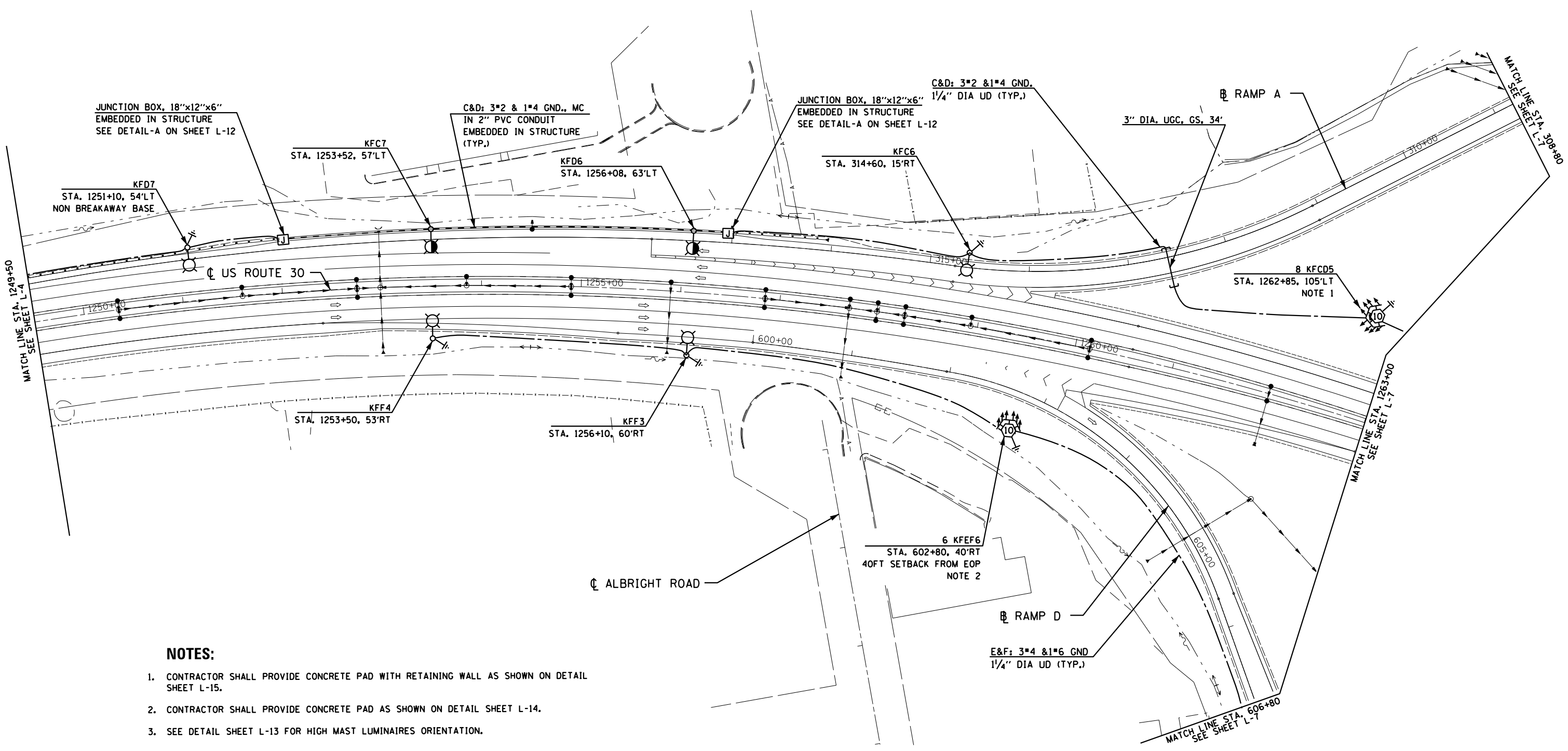
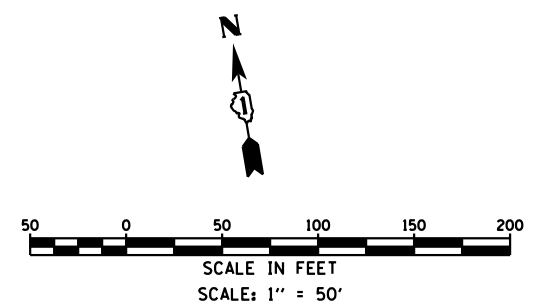
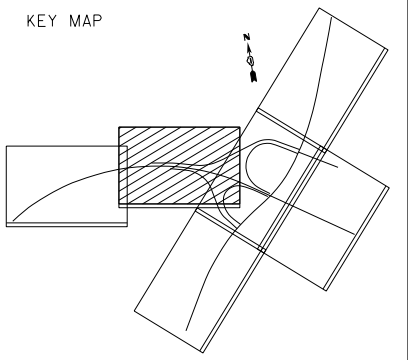
USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
PROPOSED LIGHTING PLANS (SHEET 1 OF 6)**

SCALE: AS NOTED | SHEET NO. 4 OF 27 SHEETS | STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	198
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



NOTES:

1. CONTRACTOR SHALL PROVIDE CONCRETE PAD WITH RETAINING WALL AS SHOWN ON DETAIL SHEET L-15.
2. CONTRACTOR SHALL PROVIDE CONCRETE PAD AS SHOWN ON DETAIL SHEET L-14.
3. SEE DETAIL SHEET L-13 FOR HIGH MAST LUMINAIRES ORIENTATION.

J:\265\dgn\Sheets\160133-sht-light-05.dgn
 6/26/2012 11:26:33 AM

SINGH
 CONSULTING ENGINEERS
 www.singhinc.com

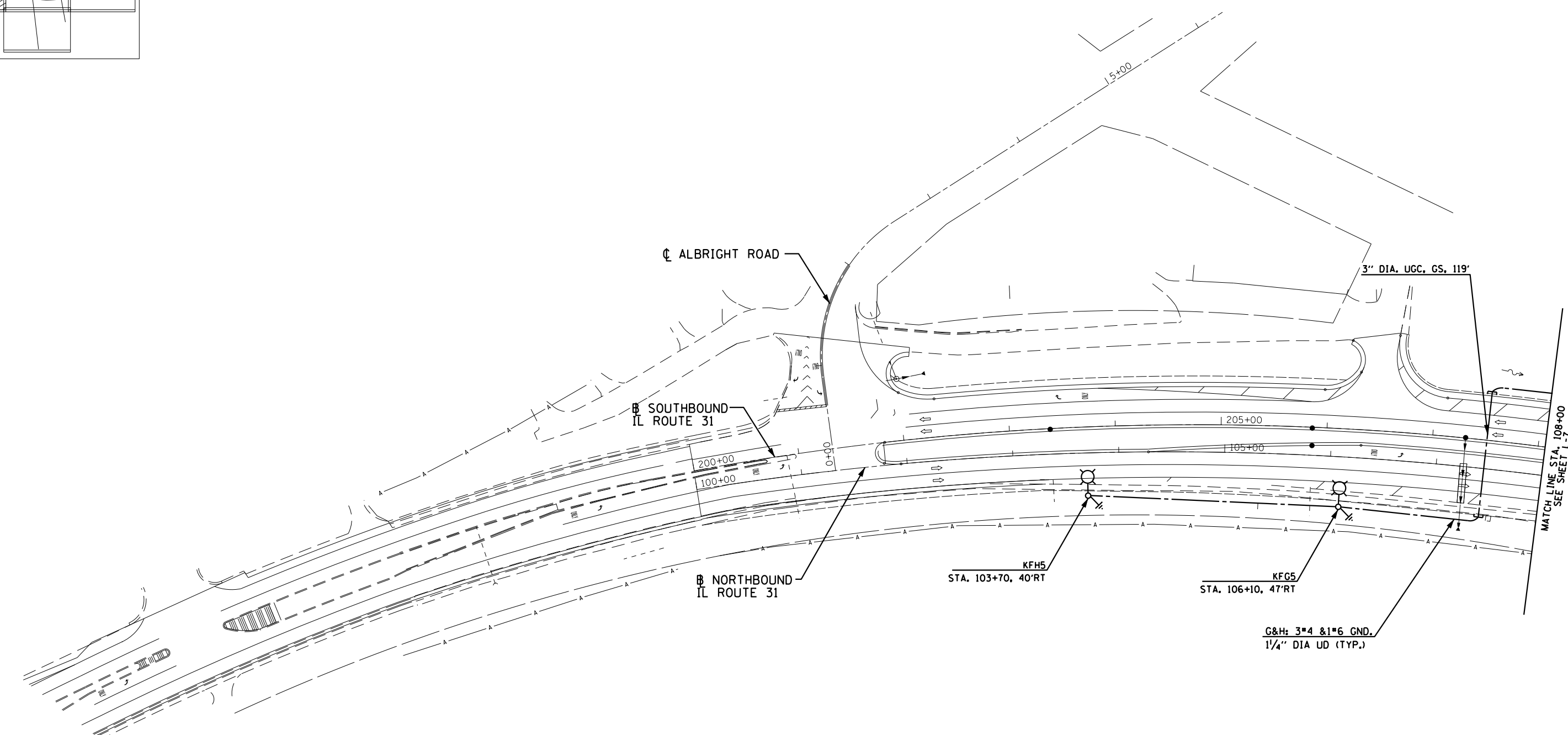
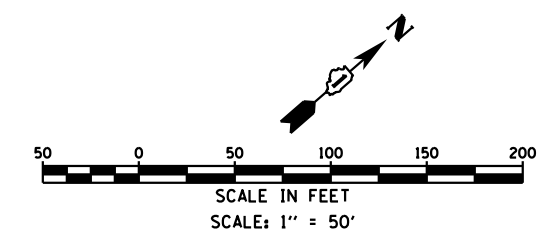
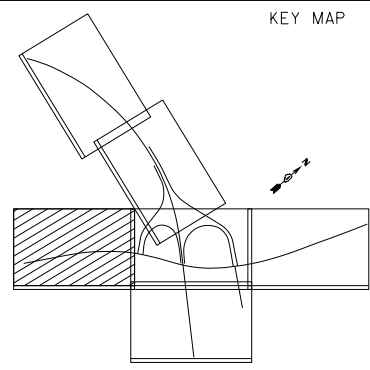
USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT IL ROUTE 31
 PROPOSED LIGHTING PLANS (SHEET 2 OF 6)**

SCALE: AS NOTED | SHEET NO. 5 OF 27 SHEETS | STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	-	507	199
KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				



J:\265\dgn\Sheets\10033-sht-light-06.dgn
 6/26/2012 11:26:35 AM

SINGH
 CONSULTING ENGINEERS
 www.singhinc.com

USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
 PROPOSED LIGHTING PLANS (SHEET 3 OF 6)
 SCALE: AS NOTED | SHEET NO. 6 OF 27 SHEETS | STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	200
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				