

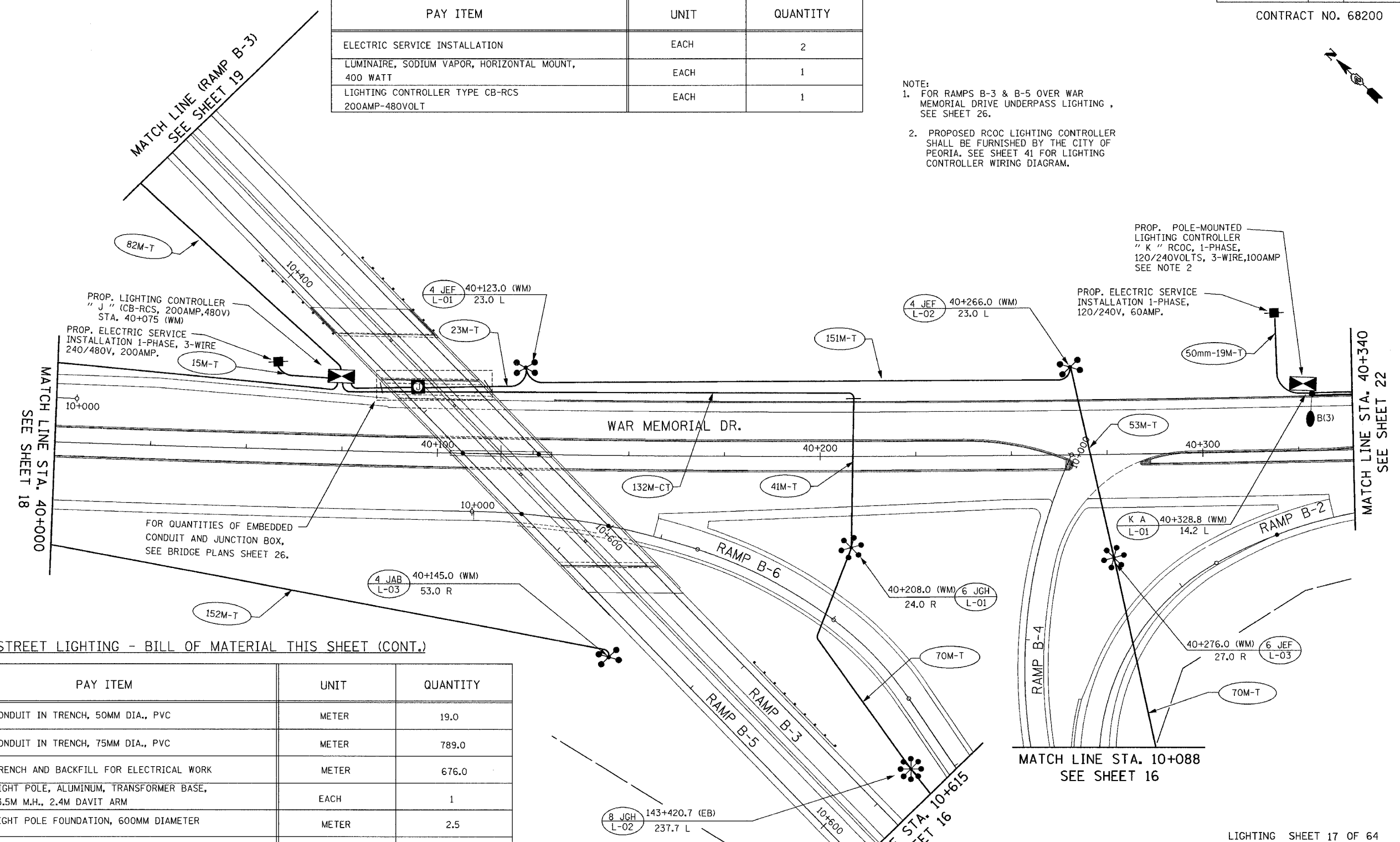
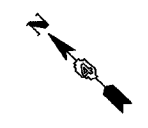
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	136	1001
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

STREET LIGHTING - BILL OF MATERIAL THIS SHEET

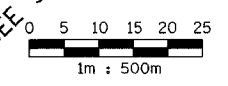
PAY ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	2
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	1
LIGHTING CONTROLLER TYPE CB-RCS 200AMP-480VOLT	EACH	1

- NOTE:
- FOR RAMPS B-3 & B-5 OVER WAR MEMORIAL DRIVE UNDERPASS LIGHTING, SEE SHEET 26.
 - PROPOSED RCOC LIGHTING CONTROLLER SHALL BE FURNISHED BY THE CITY OF PEORIA. SEE SHEET 41 FOR LIGHTING CONTROLLER WIRING DIAGRAM.



STREET LIGHTING - BILL OF MATERIAL THIS SHEET (CONT.)

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	19.0
CONDUIT IN TRENCH, 75MM DIA., PVC	METER	789.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	676.0
LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 13.5M M.H., 2.4M DAVIT ARM	EACH	1
LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	2.5
LIGHT TOWER FOUNDATION	METER	35.2
HIGH MAST LUMINAIRE, (INSTALL ONLY)	EACH	32
LIGHT TOWER, INSTALL ONLY	EACH	6
INSTALL CONTROLLER	EACH	1



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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED LIGHTING PLAN
WAR MEMORIAL DR.
STA. 40+000 TO STA. 40+340
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

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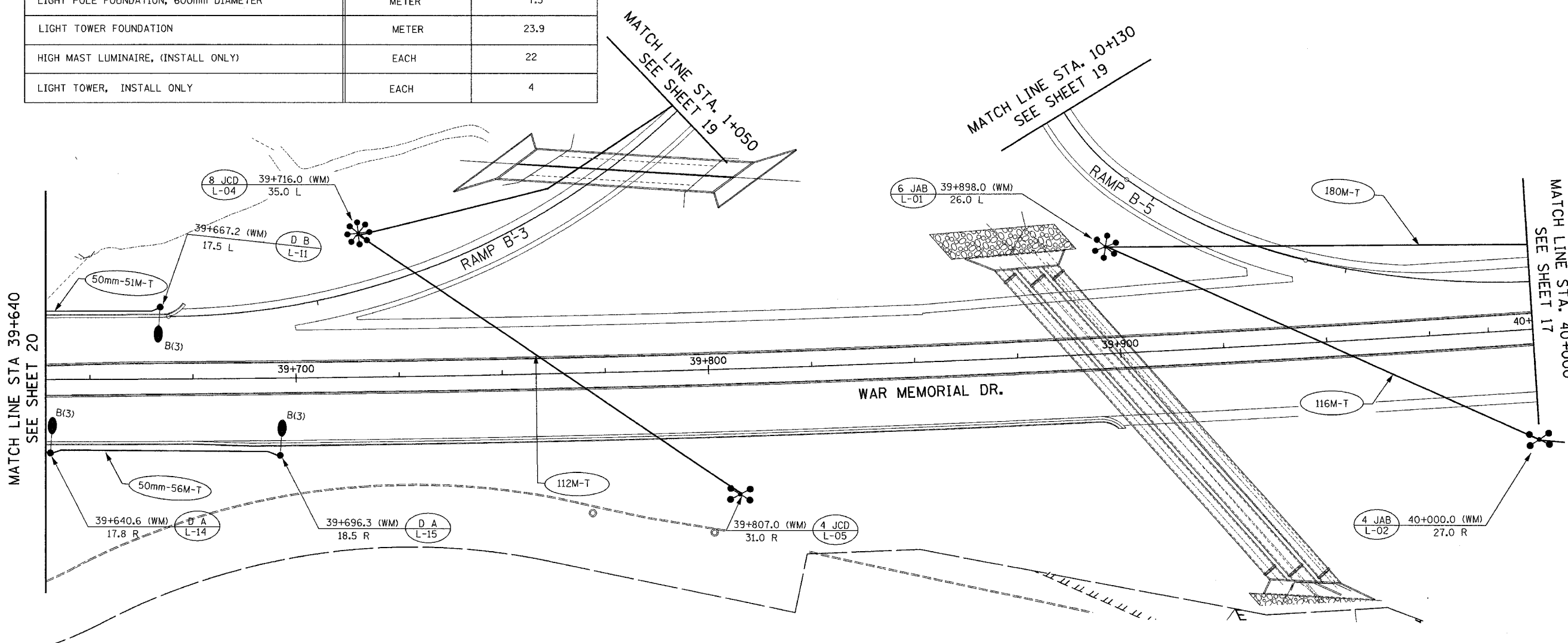
STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	3
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	107.0
CONDUIT IN TRENCH, 75MM DIA., PVC	METER	408.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	515.0
LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 13.5M M.H., 2.4M DAVIT ARM	EACH	3
LIGHT POLE FOUNDATION, 600mm DIAMETER	METER	7.5
LIGHT TOWER FOUNDATION	METER	23.9
HIGH MAST LUMINAIRE, (INSTALL ONLY)	EACH	22
LIGHT TOWER, INSTALL ONLY	EACH	4

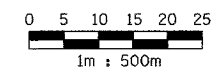
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1302
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

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LIGHTING SHEET 18 OF 64



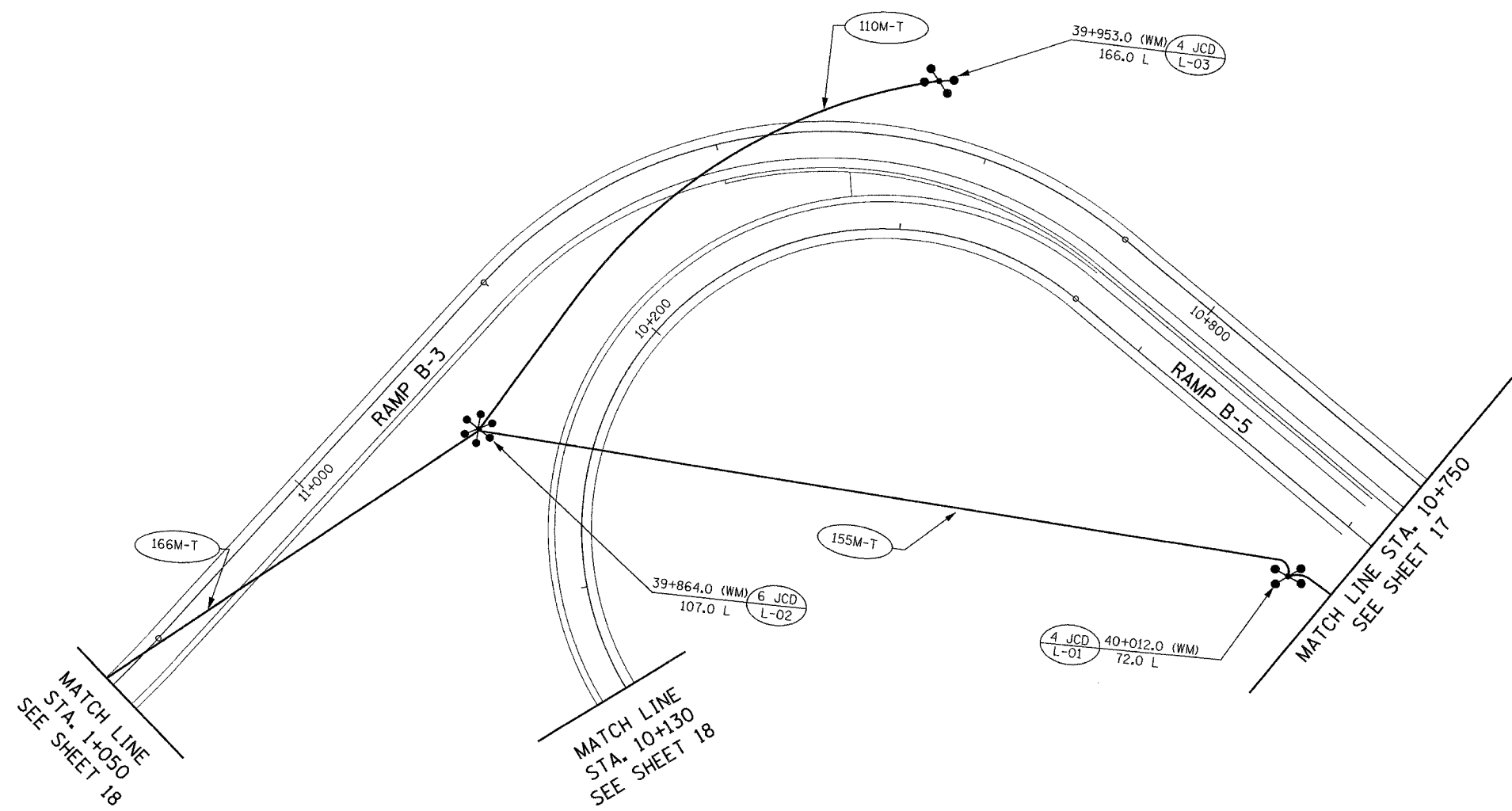
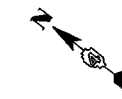
ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED LIGHTING PLAN
WAR MEMORIAL DR.
STA. 39+640 TO STA. 40+000
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

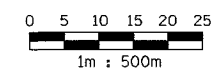
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74	(72-7R-3)	PEORIA	1360	1803
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 75MM DIA., PVC	METER	431.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	431.0
LIGHT TOWER FOUNDATION	METER	18.5
HIGH MAST LUMINAIRE, (INSTALL ONLY)	EACH	14
LIGHT TOWER, INSTALL ONLY	EACH	3



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205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

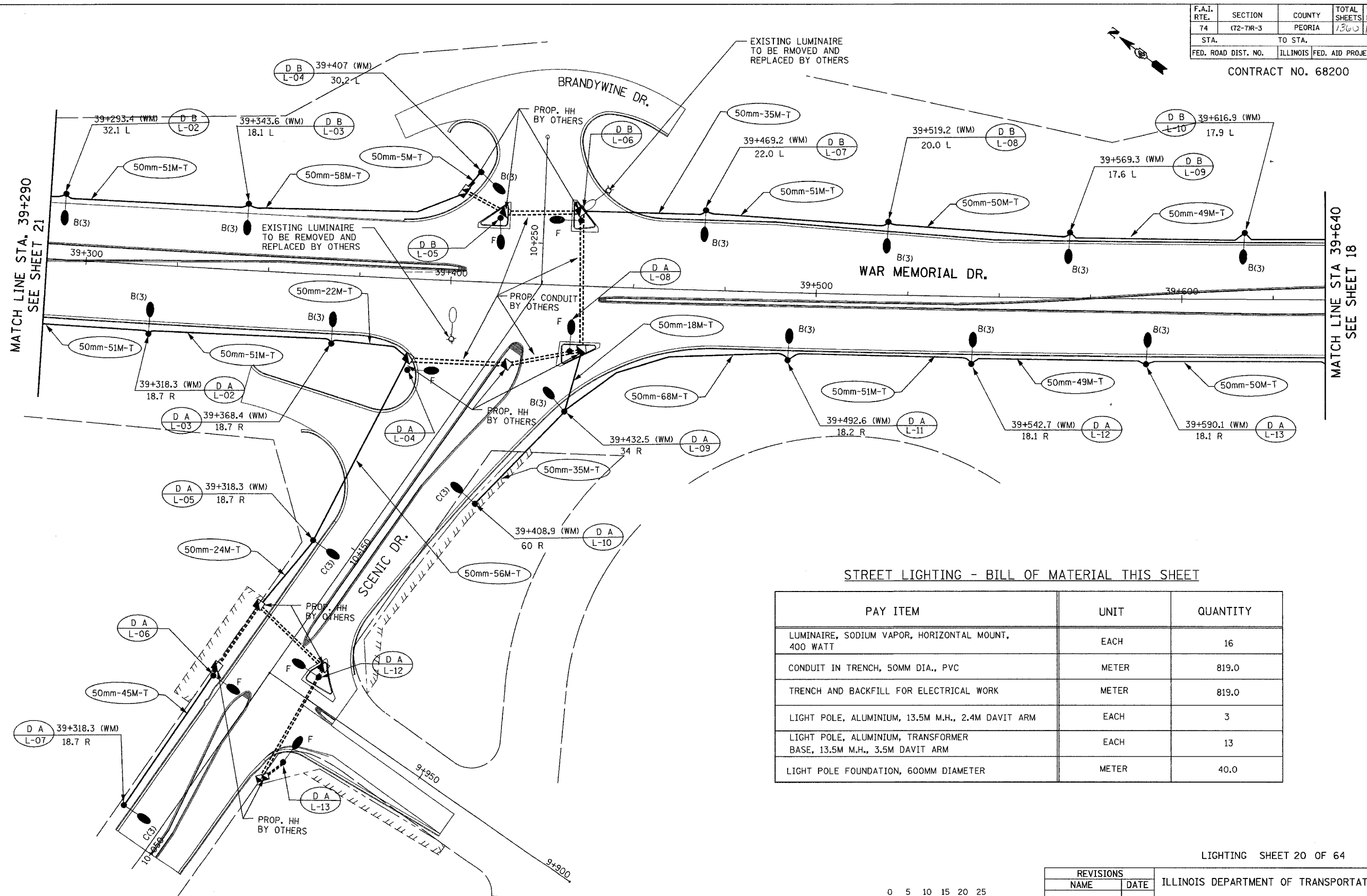
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED LIGHTING PLAN
WAR MEMORIAL DR. INTERCHANGE
RAMPS B-3 & B-5
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	136	1204
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

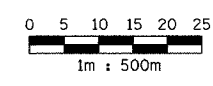
CONTRACT NO. 68200



STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	16
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	819.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	819.0
LIGHT POLE, ALUMINIUM, 13.5M M.H., 2.4M DAVIT ARM	EACH	3
LIGHT POLE, ALUMINIUM, TRANSFORMER BASE, 13.5M M.H., 3.5M DAVIT ARM	EACH	13
LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	40.0

LIGHTING SHEET 20 OF 64



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205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
WAR MEMORIAL DR.
STA. 39+290 TO STA. 39+640

DRAWN BY DJK
CHECKED BY MKR
DATE: 1/25/2005

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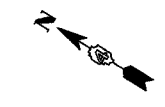
1/25/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

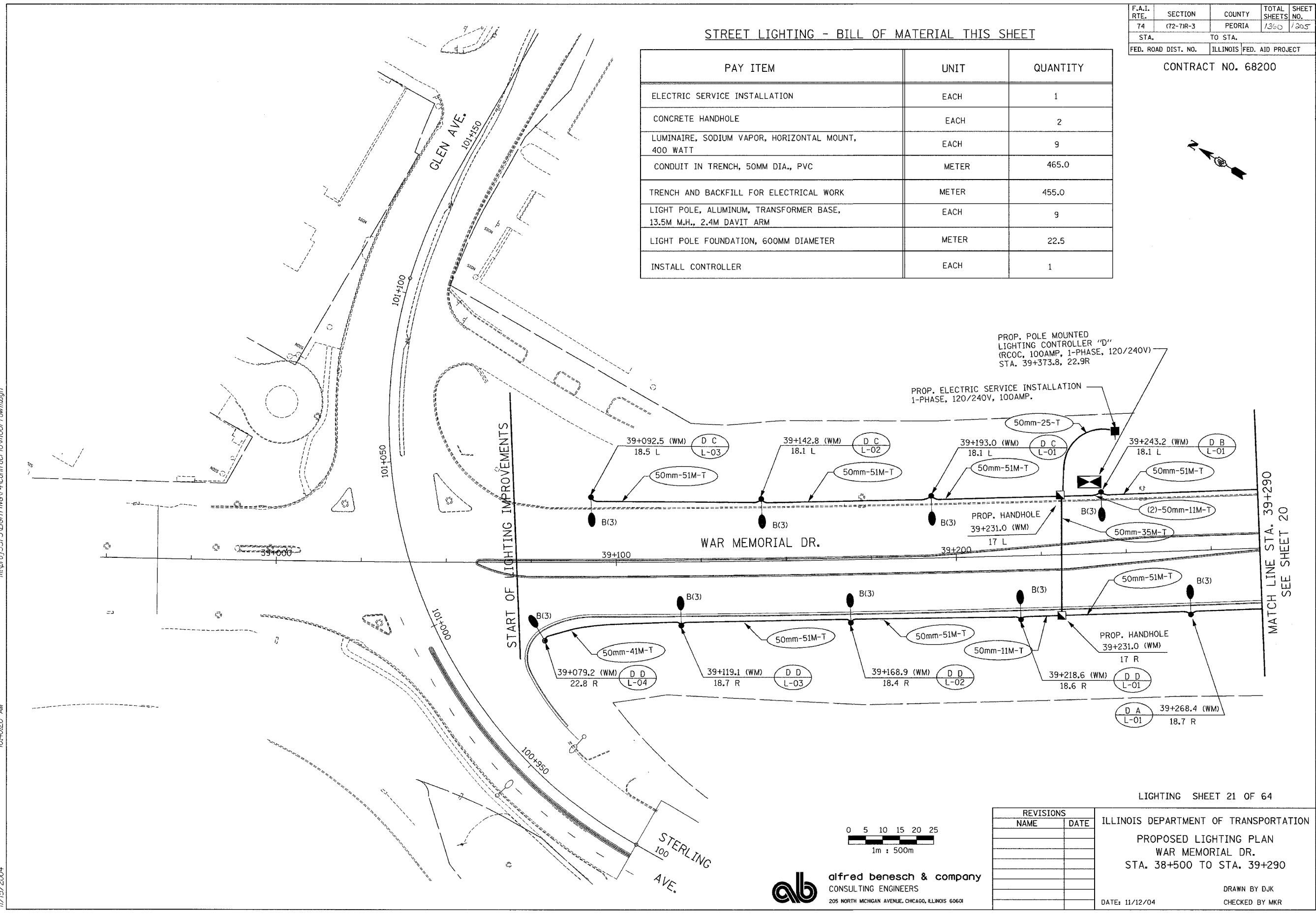
STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
CONCRETE HANDHOLE	EACH	2
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	9
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	465.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	455.0
LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 13.5M M.H., 2.4M DAVIT ARM	EACH	9
LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	22.5
INSTALL CONTROLLER	EACH	1

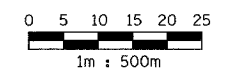
CONTRACT NO. 68200



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LIGHTING SHEET 21 OF 64



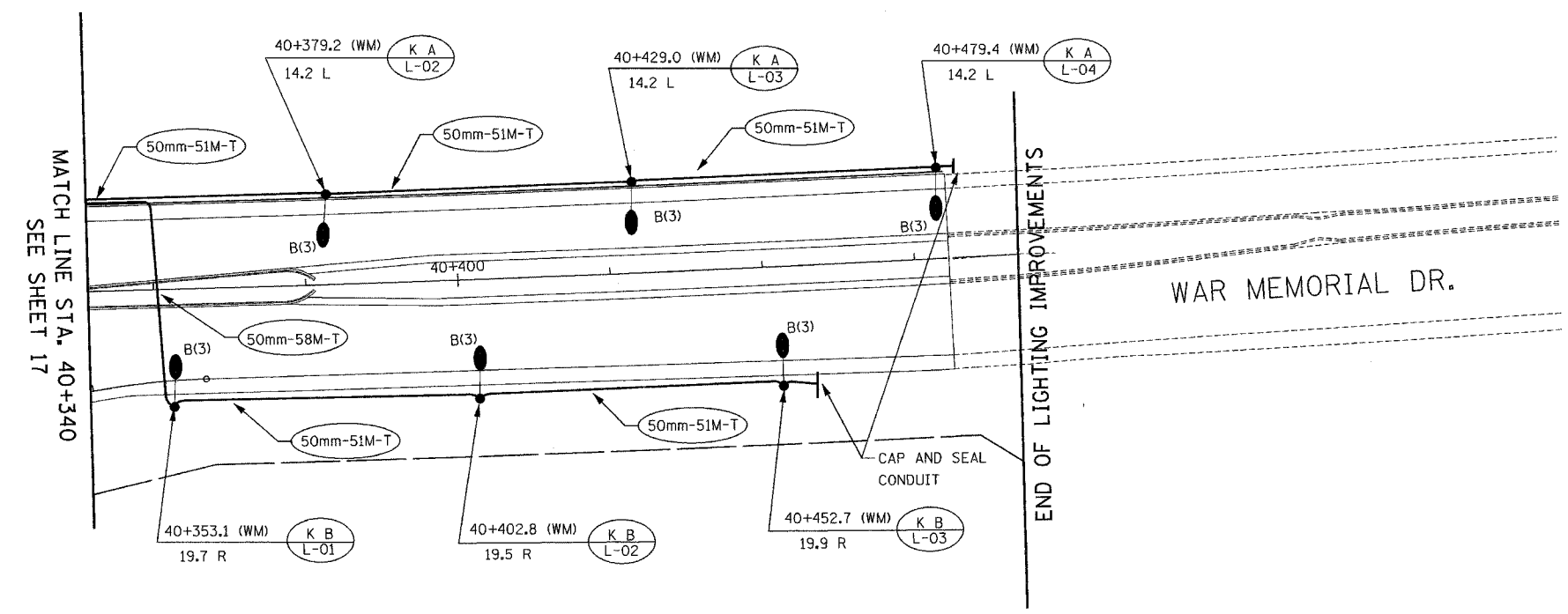
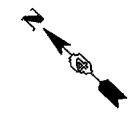
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 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED LIGHTING PLAN
 WAR MEMORIAL DR.
 STA. 38+500 TO STA. 39+290
 DATE: 11/12/04
 DRAWN BY DJK
 CHECKED BY MKR

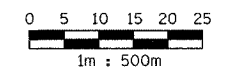
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1206
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	6
CONDUIT IN TRENCH, 50MM DIA., PVC	METER	313.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	313.0
LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 13.5M M.H., 2.4M DAVIT ARM	EACH	6
LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	15.0



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REVISIONS	
NAME	DATE

LIGHTING SHEET 22 OF 64
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED LIGHTING PLAN
WAR MEMORIAL DR.
STA. 40+340 TO STA. 40+600
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

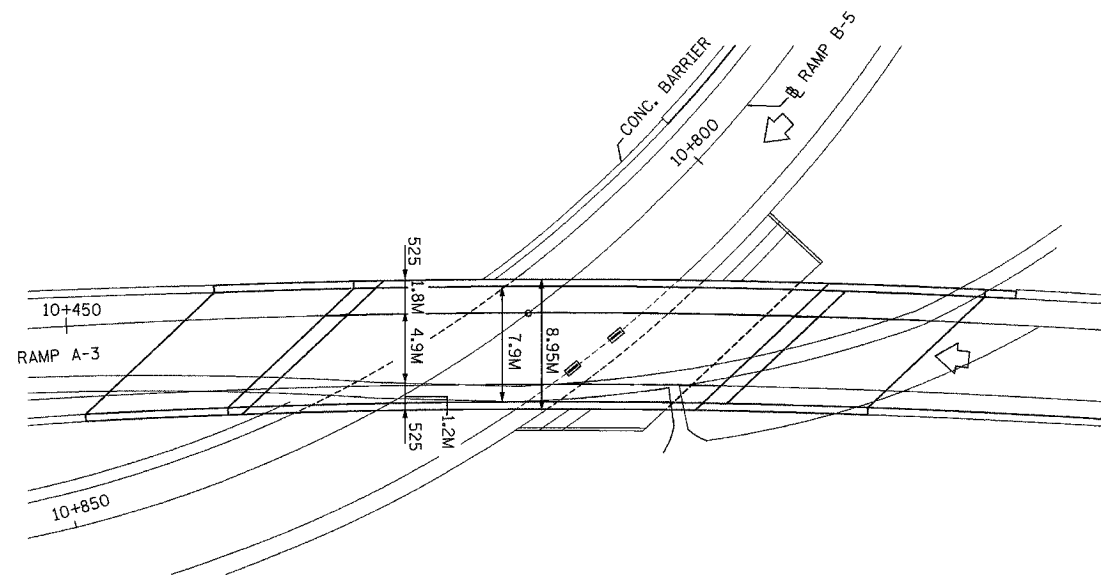
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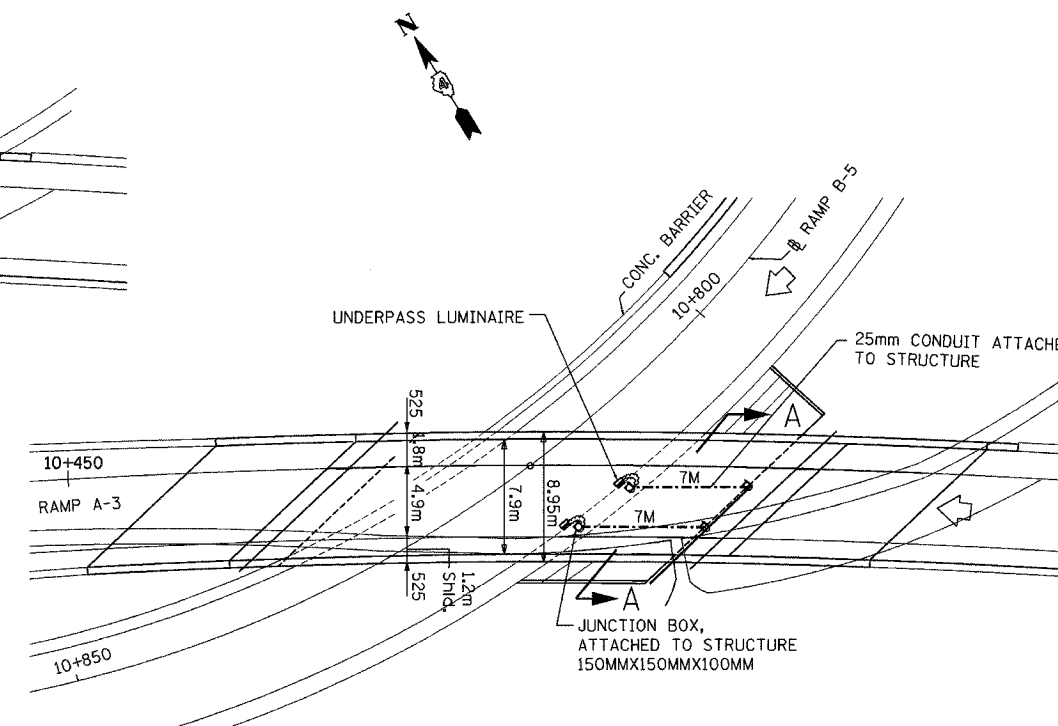
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1207
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

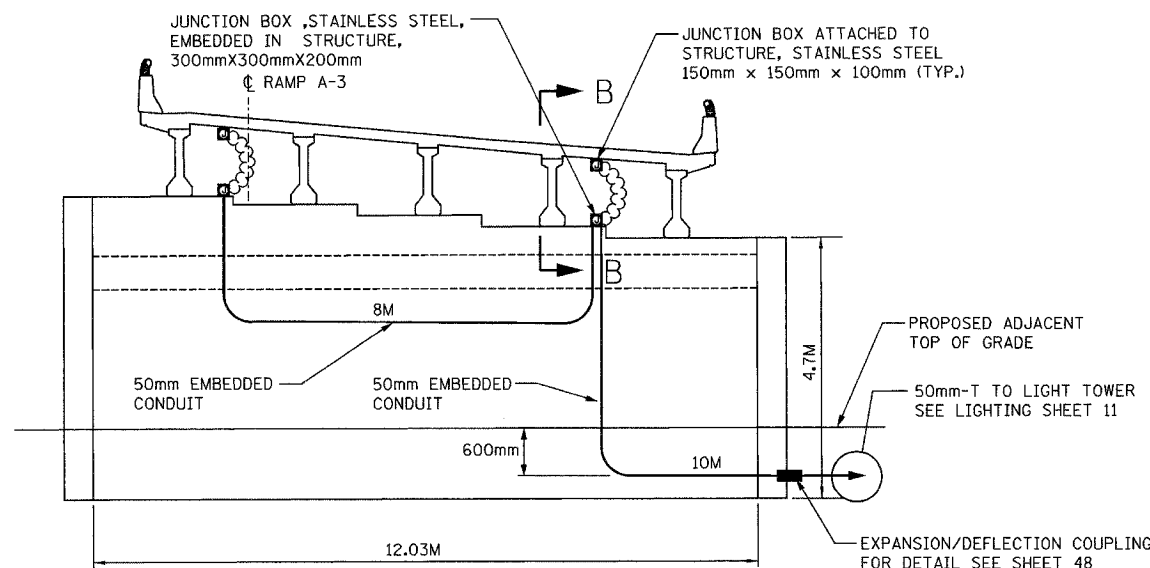
CONTRACT NO. 68200



PLAN VIEW
EMBEDDED CONCRETE INSERTS



LUMINAIRE, ATTACHED CONDUIT & JUNCTION BOXES



SECTION AA
EAST ABUTMENT ELEVATION

STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
CONDUIT ATTACHED TO STRUCTURE, 25MM DIA., GALVANIZED STEEL	METER	14.0
CONDUIT EMBEDDED IN STRUCTURE, 50MM DIA., PVC	METER	18.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150MMX150MMX100MM	EACH	4
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 300MMX300MMX200MM	EACH	2
UNDERPASS LUMINAIRE, (INSTALL ONLY)	EACH	2

NOTES:

- ALL EMBEDDED CONDUIT SHALL BE 50mm, PVC - SCH. 40, UNLESS OTHERWISE INDICATED.
- ALL JUNCTION BOXES ATTACHED TO STRUCTURE SHALL BE STAINLESS STEEL, 150mmx150mmx100mm, UNLESS OTHERWISE NOTED.
- ALL JUNCTION BOXES EMBEDDED IN STRUCTURE SHALL BE STAINLESS STEEL, 300mmx300mmx200mm, UNLESS OTHERWISE NOTED.
- ALL CONDUIT BENDS AND RADII SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.
- FOR SECTION B-B, SEE SHEET 24

LEGEND

- PROPOSED JUNCTION BOX
- PROPOSED ATTACHED CONDUIT, 25mm DIA., GALVANIZED STEEL
- PROPOSED EMBEDDED CONDUIT, 50mm DIA., PVC SCHEDULE 40
- PROPOSED LIQUID-TIGHT FLEXIBLE CONDUIT, 25mm
- EMBEDDED CONCRETE INSERT (SEE DETAIL SHEET #46)
- UNDERPASS LUMINAIRE, HPSV, 100 WATT, 240 VOLT (SEE DETAIL SHEET #46).

LIGHTING SHEET 23 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		BRIDGE LIGHTING PLAN RAMP A-3 OVER RAMP B-5 DRAWN BY DJK CHECKED BY MKR DATE: 11/12/04

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

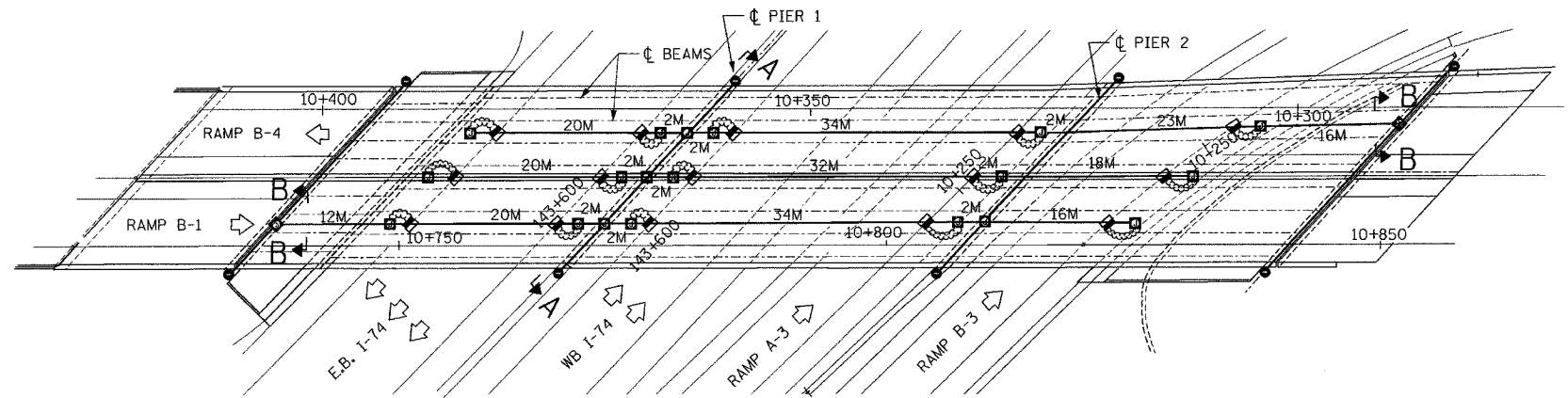
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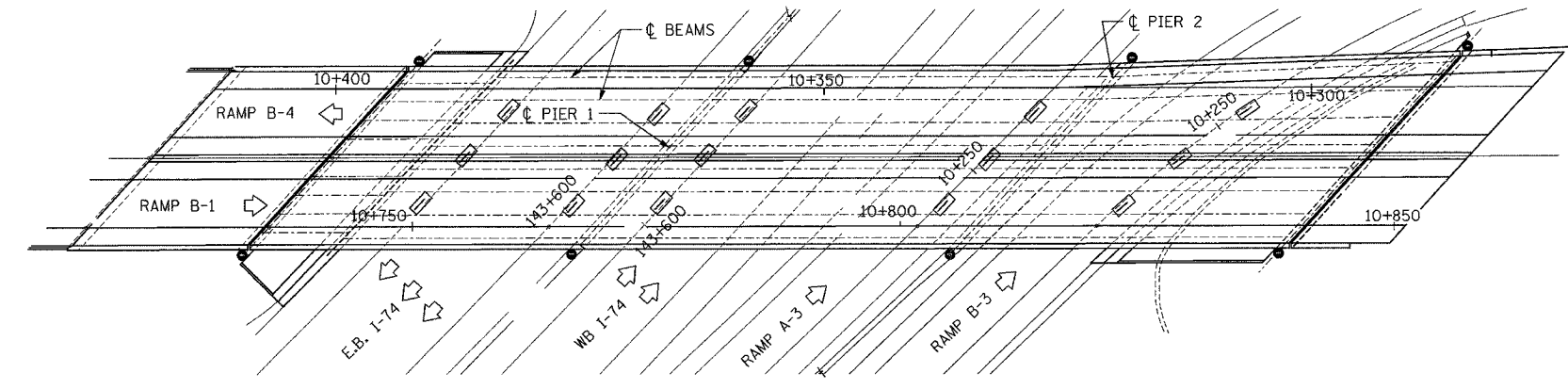
11/15/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-718-3)	PEORIA	1360	1208
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 68200



PLAN VIEW
ATTACHED CONDUIT & JUNCTION BOXES



PLAN VIEW
EMBEDDED CONCRETE INSERTS

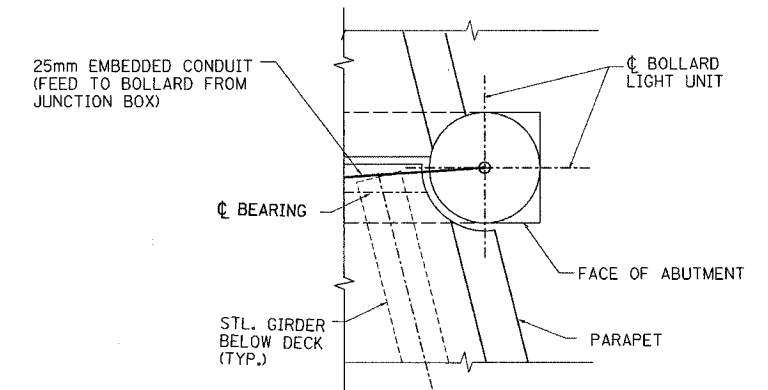
STREET LIGHTING - BILL OF MATERIAL - SHEETS 24 AND 25

PAY ITEM	UNIT	QTY.
CONDUIT ATTACHED TO STRUCTURE, 25MM DIA., GALVANIZED STEEL	METER	263.0
CONDUIT EMBEDDED IN STRUCTURE, 50MM DIA., PVC	METER	130.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150MM X 150MM X 100MM	EACH	27
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 300MM X 300MM X 200MM	EACH	7
UNDERPASS LUMINAIRE, (INSTALL ONLY)	EACH	15

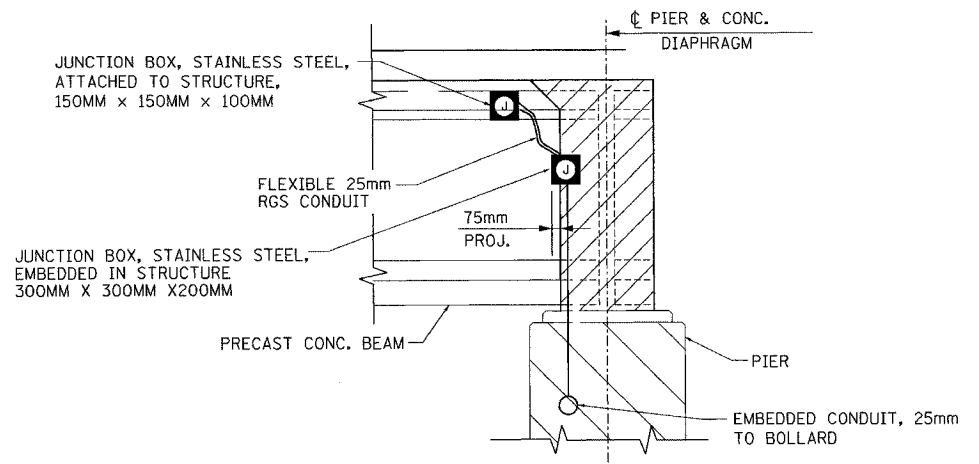
- NOTES:**
- ALL EMBEDDED CONDUIT SHALL BE 50mm, PVC - SCH. 40, UNLESS OTHERWISE INDICATED.
 - ALL JUNCTION BOXES ATTACHED TO STRUCTURE SHALL BE STAINLESS STEEL, 150mmx150mmx100mm, UNLESS OTHERWISE NOTED.
 - ALL CONDUIT BENDS AND RADII SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.
 - FOR SECTION A-A, ABUTMENT AND PIER DETAILS AND QUANTITIES, SEE SHEET 25.



- LEGEND**
- PROPOSED JUNCTION BOX
 - PROPOSED ATTACHED CONDUIT, 25mm DIA., GALVANIZED STEEL
 - PROPOSED EMBEDDED CONDUIT, 50mm DIA. PVC SCHEDULE 40
 - PROPOSED LIQUID-TIGHT FLEXIBLE CONDUIT, 25mm
 - EMBEDDED CONCRETE INSERT (SEE DETAIL SHEET #46)
 - UNDERPASS LUMINAIRE, HPSV, 100 WATT, 240 VOLT (SEE DETAIL SHEET #46).



SECTION D-D
PARTIAL PLAN-BOLLARD LOCATION AT S. ABUTMENT
(SIMILAR FOR ALL BOLLARDS)



SECTION B-B
(TYP. FOR P.P.C. BM. CONSTN.)

LIGHTING SHEET 24 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		BRIDGE LIGHTING PLAN RAMPS B-1 AND B-4 OVER I-74 DRAWN BY DJK CHECKED BY MKR DATE: 11/12/04

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

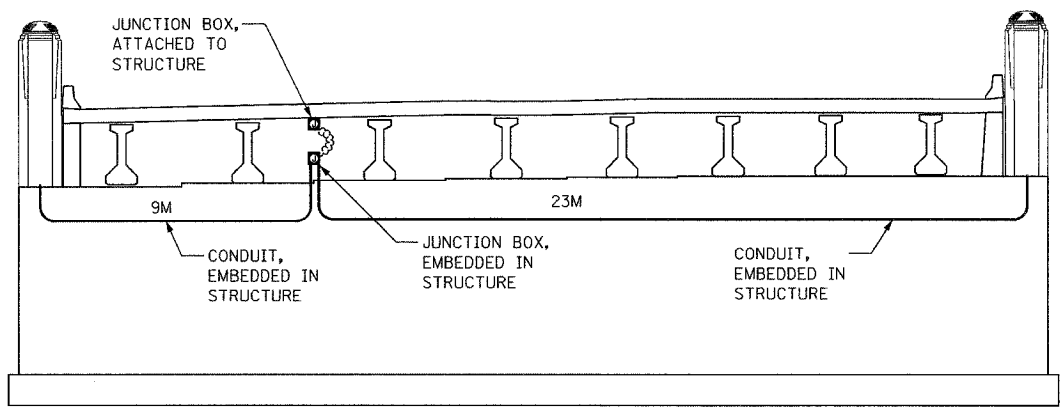
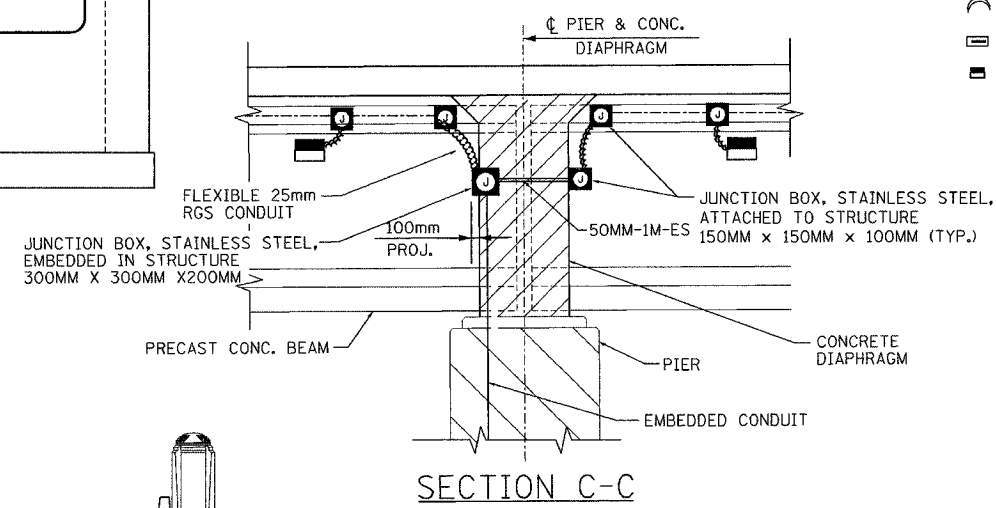
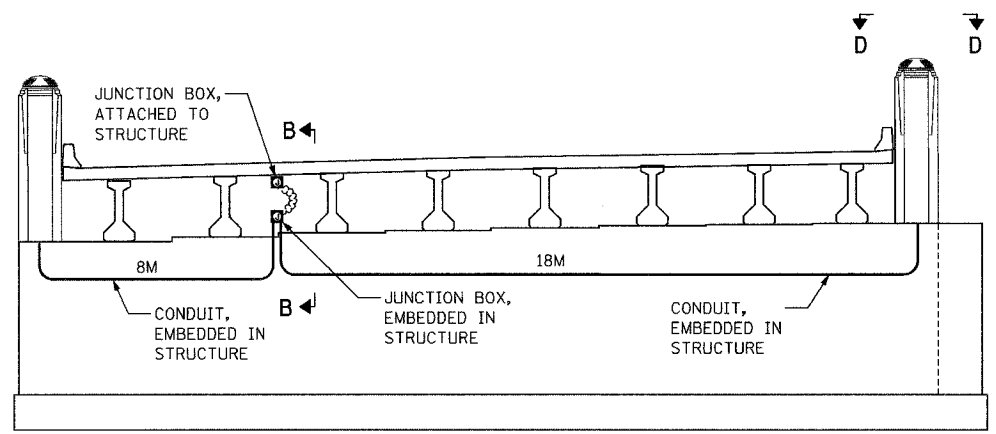
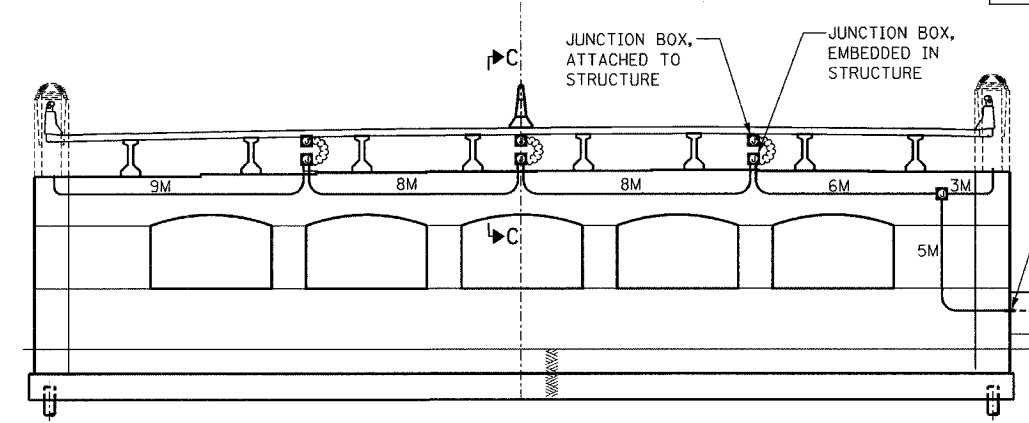
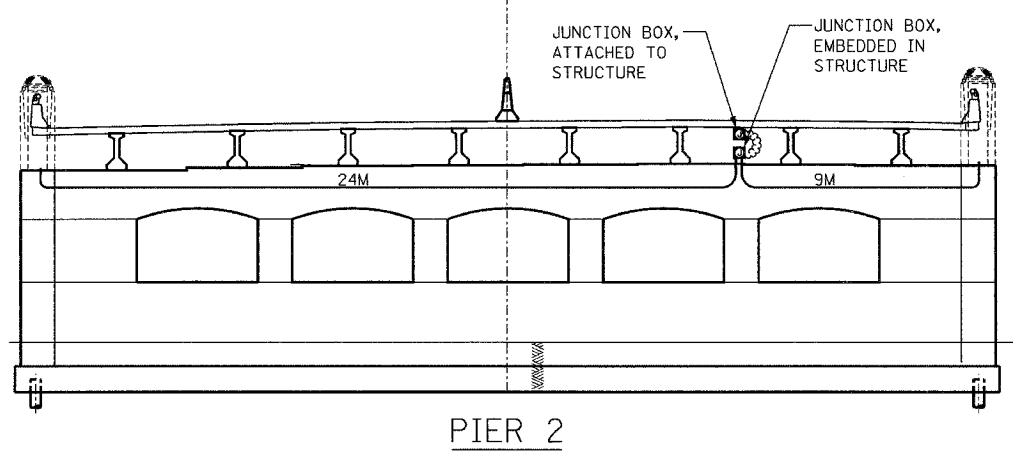
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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1369
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



LEGEND

- ⊕ PROPOSED JUNCTION BOX
- PROPOSED ATTACHED CONDUIT, 25mm DIA., GALVANIZED STEEL
- PROPOSED EMBEDDED CONDUIT, 50mm DIA. PVC SCHEDULE 40
- ⤵ PROPOSED LIQUID-TIGHT FLEXIBLE CONDUIT, 25mm
- ▭ EMBEDDED CONCRETE INSERT (SEE DETAIL SHEET #46)
- UNDERPASS LUMINAIRE, HPSV, 100 WATT, 240 VOLT (SEE DETAIL SHEET #46).

NOTES:

1. ALL EMBEDDED CONDUIT SHALL BE 50mm, PVC - SCH. 40, UNLESS OTHERWISE INDICATED.
2. ALL JUNCTION BOXES ATTACHED TO STRUCTURE SHALL BE STAINLESS STEEL, 150mmx150mmx100mm, UNLESS OTHERWISE NOTED.
3. ALL JUNCTION BOXES EMBEDDED IN STRUCTURE SHALL BE STAINLESS STEEL, 300mmx300mmx200mm, UNLESS OTHERWISE NOTED.
4. ALL CONDUIT BENDS AND RADII SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.
5. FOR SECTION C-C AND D-D, SEE SHEET 24
6. FOR QUANTITIES, SEE SHEET 24

LIGHTING SHEET 25 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE LIGHTING PLAN
RAMPS B-1 AND B-4 OVER I-74

DATE: 11/12/04

DRAWN BY DJK
CHECKED BY MKR

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

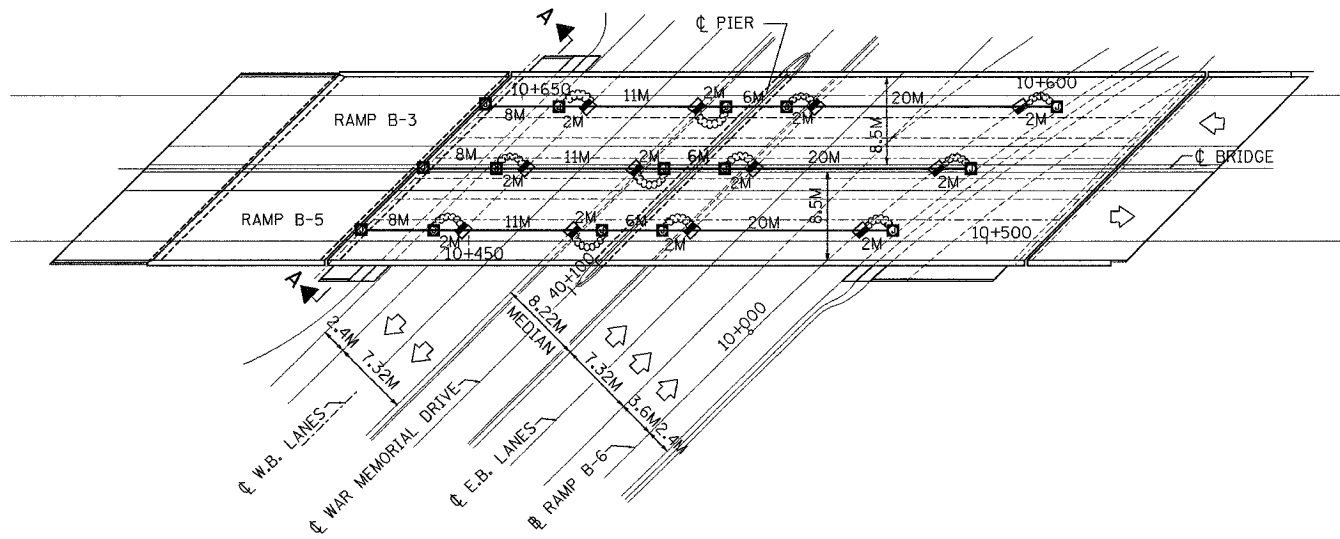
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 11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1210
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

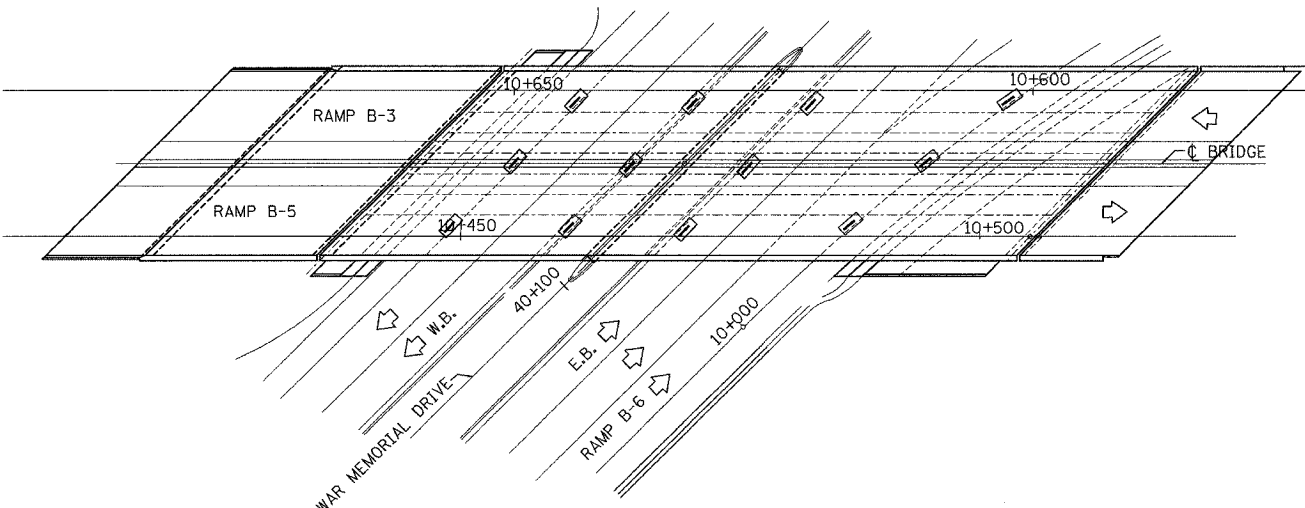
CONTRACT NO. 68200

STREET LIGHTING - BILL OF MATERIAL - THIS SHEET

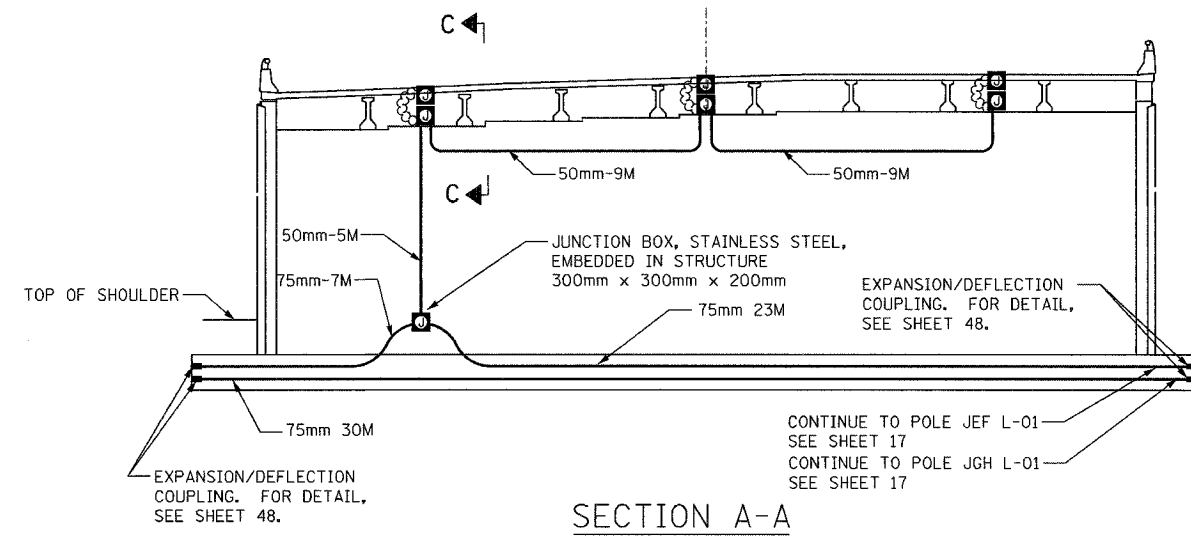
PAY ITEM	UNIT	QTY.
CONDUIT ATTACHED TO STRUCTURE, 25mm DIA., GALVANIZED STEEL	METER	159.0
CONDUIT EMBEDDED IN STRUCTURE, 50mm DIA. PVC	METER	23.0
CONDUIT EMBEDDED IN STRUCTURE, 75mm DIA. PVC	METER	60.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150mm X 150mm X 100mm	EACH	15
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 300mm X 300mm X 200mm	EACH	4
UNDERPASS LUMINAIRE, (INSTALL ONLY)	EACH	12



PLAN VIEW
ATTACHED CONDUIT & JUNCTION BOXES



PLAN VIEW
EMBEDDED CONCRETE INSERTS



SECTION A-A

NOTES:

- ALL EMBEDDED CONDUIT SHALL BE 50mm, PVC - SCH. 40, UNLESS OTHERWISE INDICATED.
- ALL JUNCTION BOXES ATTACHED TO STRUCTURE SHALL BE STAINLESS STEEL, 150mmx150mmx100mm, UNLESS OTHERWISE NOTED.
- ALL JUNCTION BOXES EMBEDDED IN STRUCTURE SHALL BE STAINLESS STEEL, 300mmx300mmx200mm, UNLESS OTHERWISE NOTED.
- ALL CONDUIT BENDS AND RADII SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.
- FOR SECTION B-B, SEE SHEET 24

LEGEND

- PROPOSED JUNCTION BOX
- PROPOSED ATTACHED CONDUIT, 25mm DIA., GALVANIZED STEEL
- PROPOSED EMBEDDED CONDUIT, 50mm DIA. PVC SCHEDULE 40
- PROPOSED LIQUID-TIGHT FLEXIBLE CONDUIT, 25mm
- EMBEDDED CONCRETE INSERT (SEE DETAIL SHEET #46)
- UNDERPASS LUMINAIRE, HPSV, 100 WATT, 240 VOLT (SEE DETAIL SHEET #46).

LIGHTING SHEET 26 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE LIGHTING PLAN
RAMPS B-3, B-5 OVER WAR MEMORIAL DR.
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

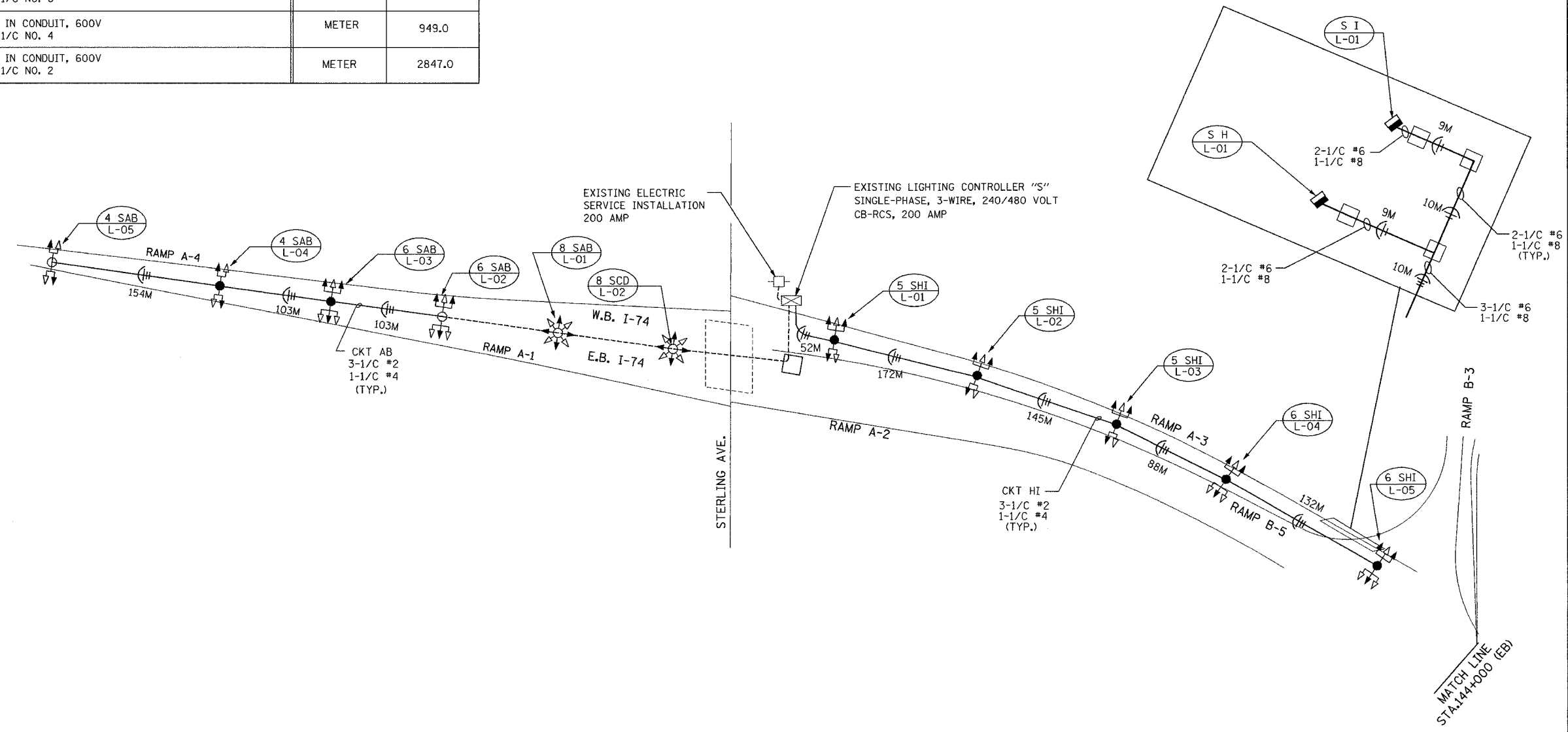
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STREET LIGHTING - BILL OF MATERIALS THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	38.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	METER	86.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	949.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	2847.0

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1/311
STA. 142+200		TO STA. 142+950		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 68200



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11/12/2004

LIGHTING SHEET 27 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
I-74 AND STERLING AVE.

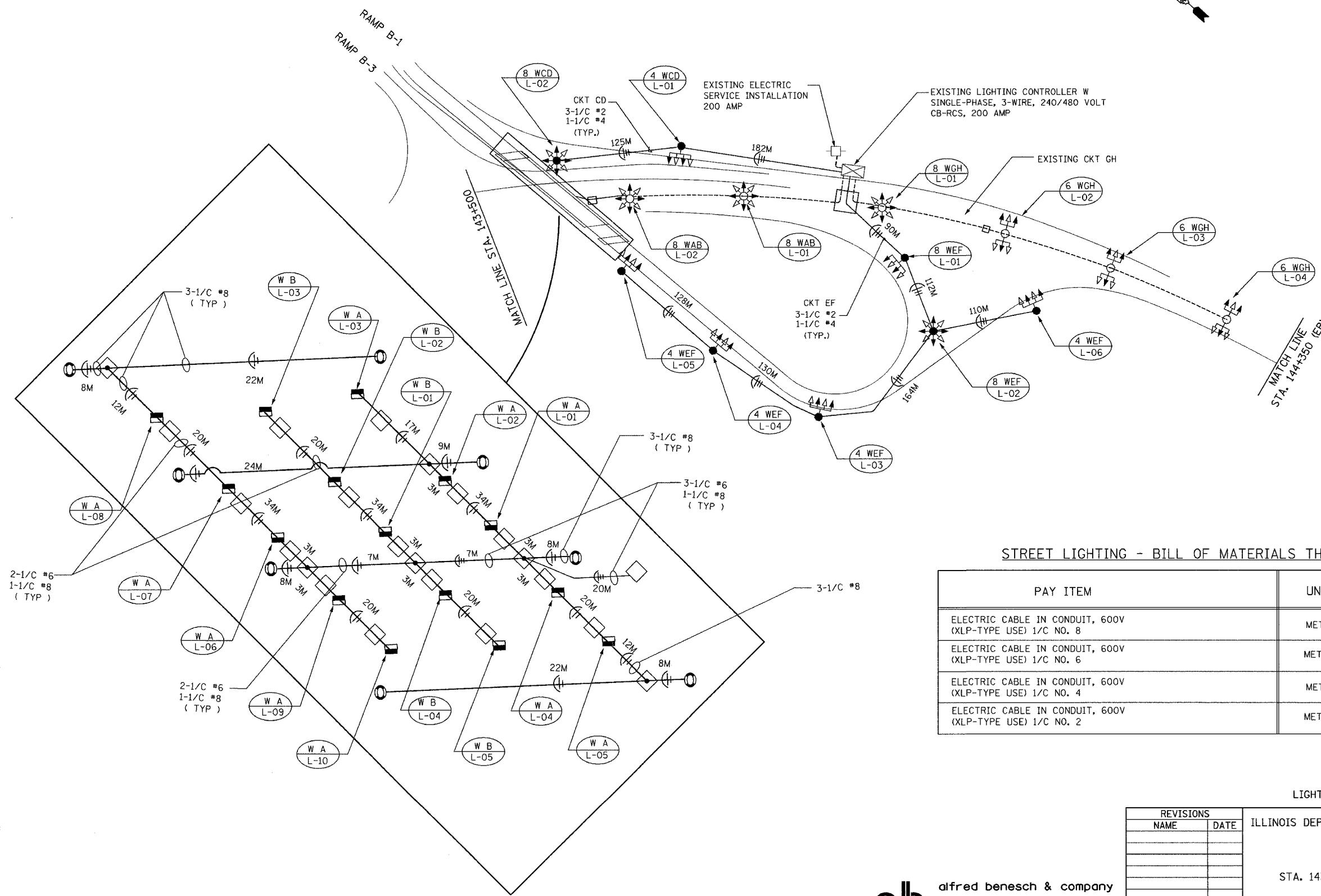
DATE: 11/12/04

DRAWN BY DJK
CHECKED BY MKR

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1300	1212
STA. 143+600		TO STA. 144+300		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 68200



STREET LIGHTING - BILL OF MATERIALS THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	673.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	METER	575.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	1041.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	3123.0

LIGHTING SHEET 28 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WIRING DIAGRAM
I-74
STA. 143+500 TO STA. 144+350
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

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205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1213
STA. 144+900		TO STA. 145+740		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

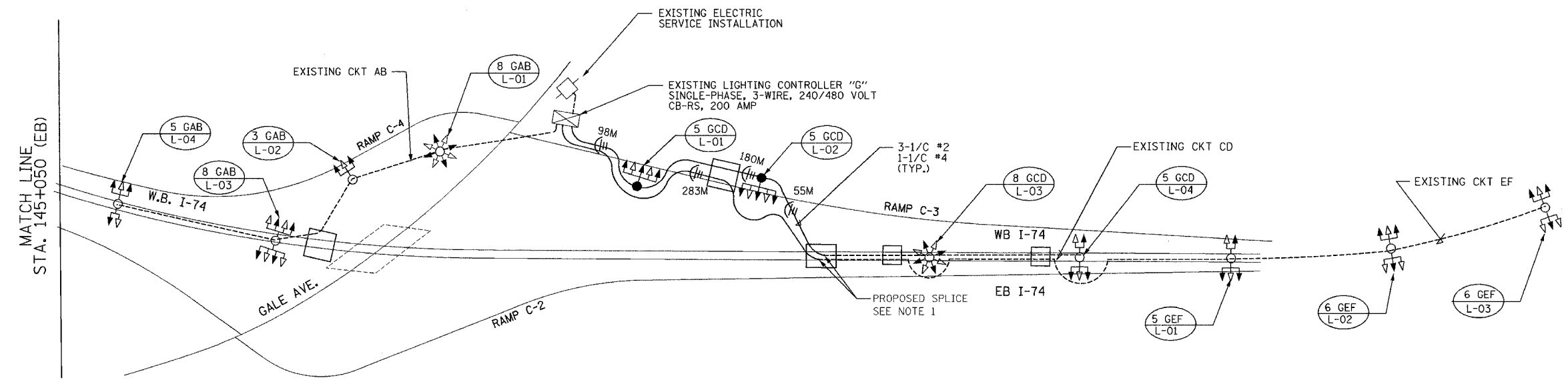
CONTRACT NO. 68200

STREET LIGHTING - BILL OF MATERIALS THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	616.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	1848.0



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NOTE:
 1. THE COST OF THE PROPOSED SPLICE SHALL BE INCLUDED IN THE PAY ITEM "ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2."

LIGHTING SHEET 29 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 WIRING DIAGRAM
 I-74
 STA. 145+050 TO STA. 146+110
 DRAWN BY DJK
 CHECKED BY MKR
 DATE: 11/12/04

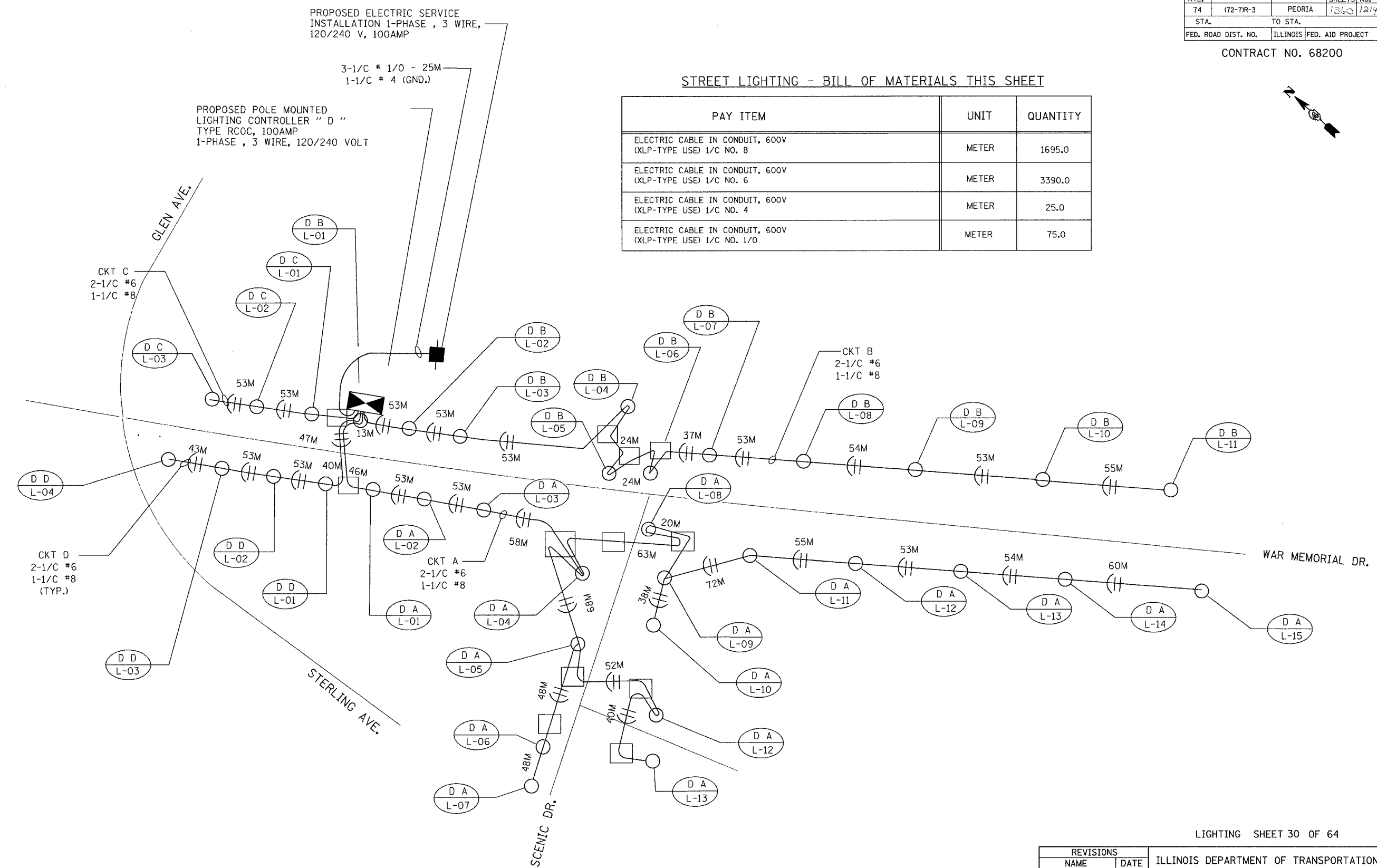
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 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1214
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

STREET LIGHTING - BILL OF MATERIALS THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	1695.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	METER	3390.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	25.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	METER	75.0



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11/12/2004

LIGHTING SHEET 30 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 WIRING DIAGRAM
 I-74
 WAR MEMORIAL DRIVE
 DRAWN BY DJK
 CHECKED BY MKR
 DATE: 11/12/04

ab **alfred benesch & company**
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

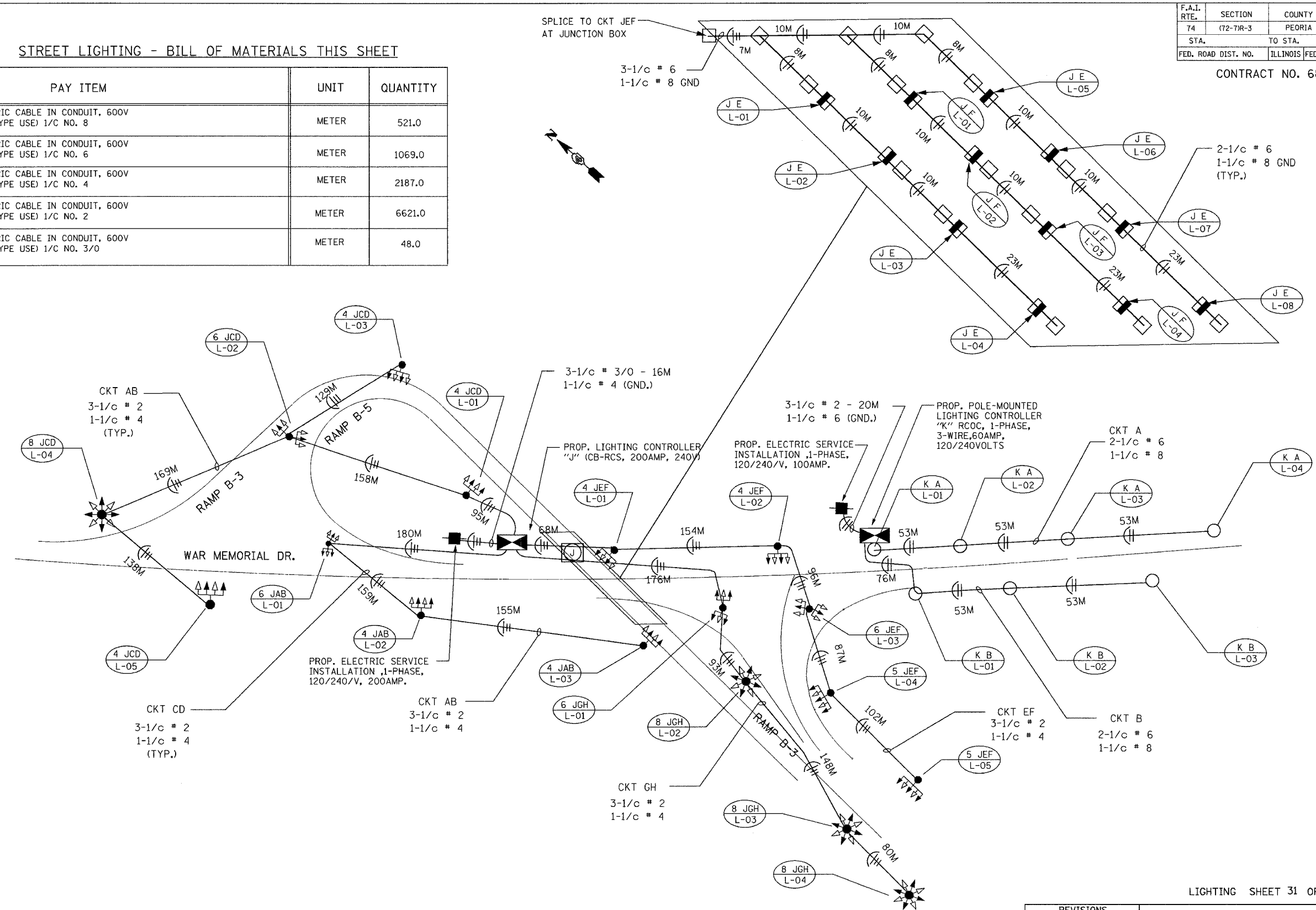
STREET LIGHTING - BILL OF MATERIALS THIS SHEET

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	METER	521.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	METER	1069.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	2187.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	6621.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	METER	48.0

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	7360	1215
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

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LIGHTING SHEET 31 OF 64

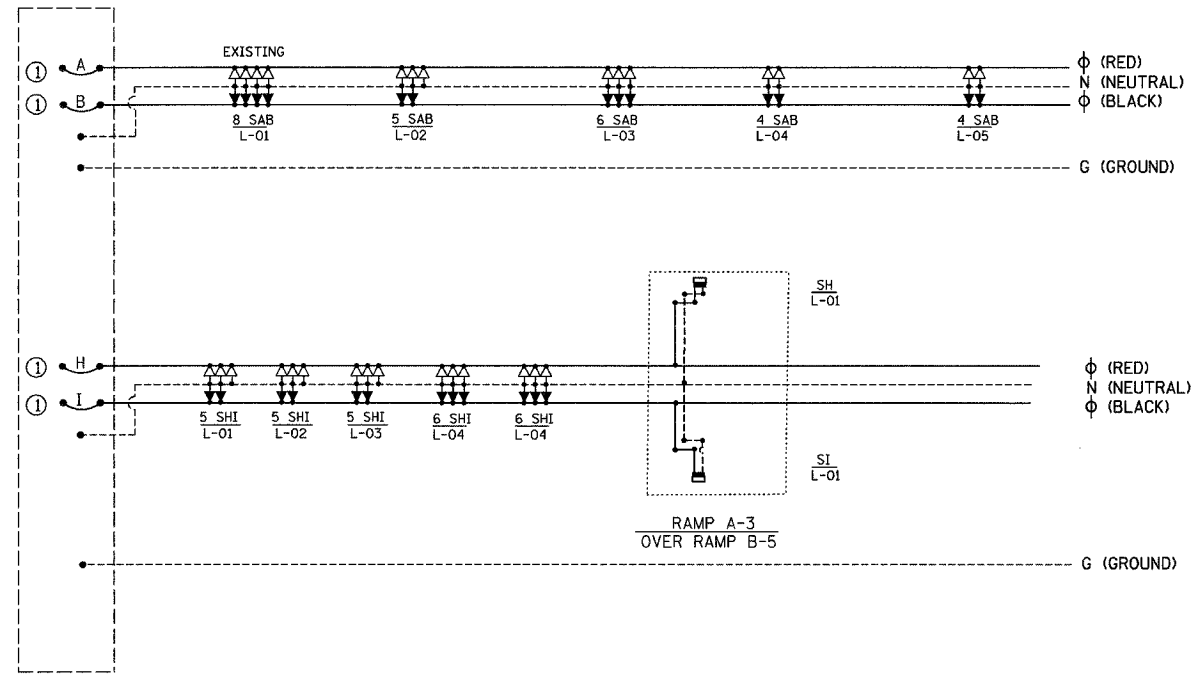
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 WIRING DIAGRAM
 I-74
 WAR MEMORIAL DRIVE
 DRAWN BY DJK
 CHECKED BY MKR
 DATE: 11/12/04

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 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1365	1216
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

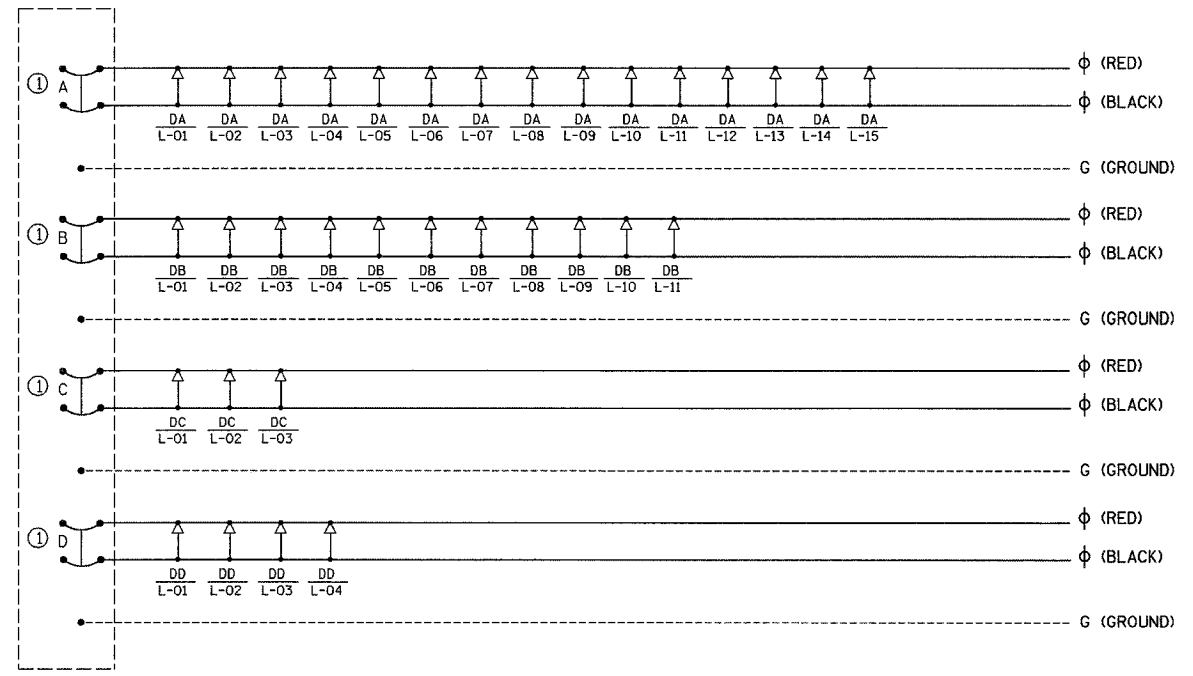
CONTRACT NO. 68200



① 1 POLE 50AMP BREAKER

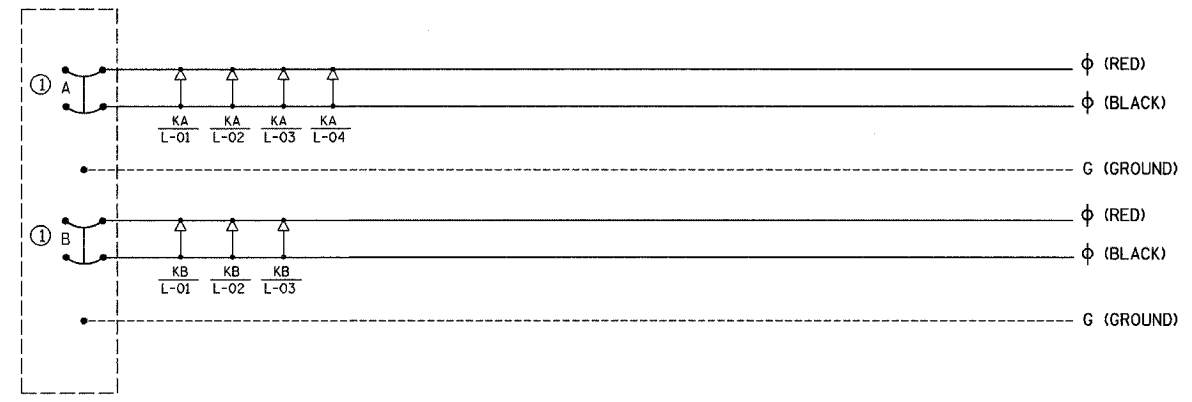
EXISTING LIGHTING CONTROLLER "S" - (1-PHASE, 240/480VOLT, 3-WIRE)

NOTE: SCHEMATIC SHOWS ONLY THE CIRCUITS EFFECTED BY THE NEW WORK.



① 2 POLE 50AMP BREAKER

PROPOSED LIGHTING CONTROLLER "D" - (1-PHASE, 120/240VOLT, 3-WIRE)



① 2 POLE 50AMP BREAKER

PROPOSED LIGHTING CONTROLLER "K" - (1-PHASE, 120/240VOLT, 3-WIRE)

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11/15/2004

LIGHTING SHEET 32 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING CONTROLLER "S", "D",
AND "K" WIRING AND DETAILS

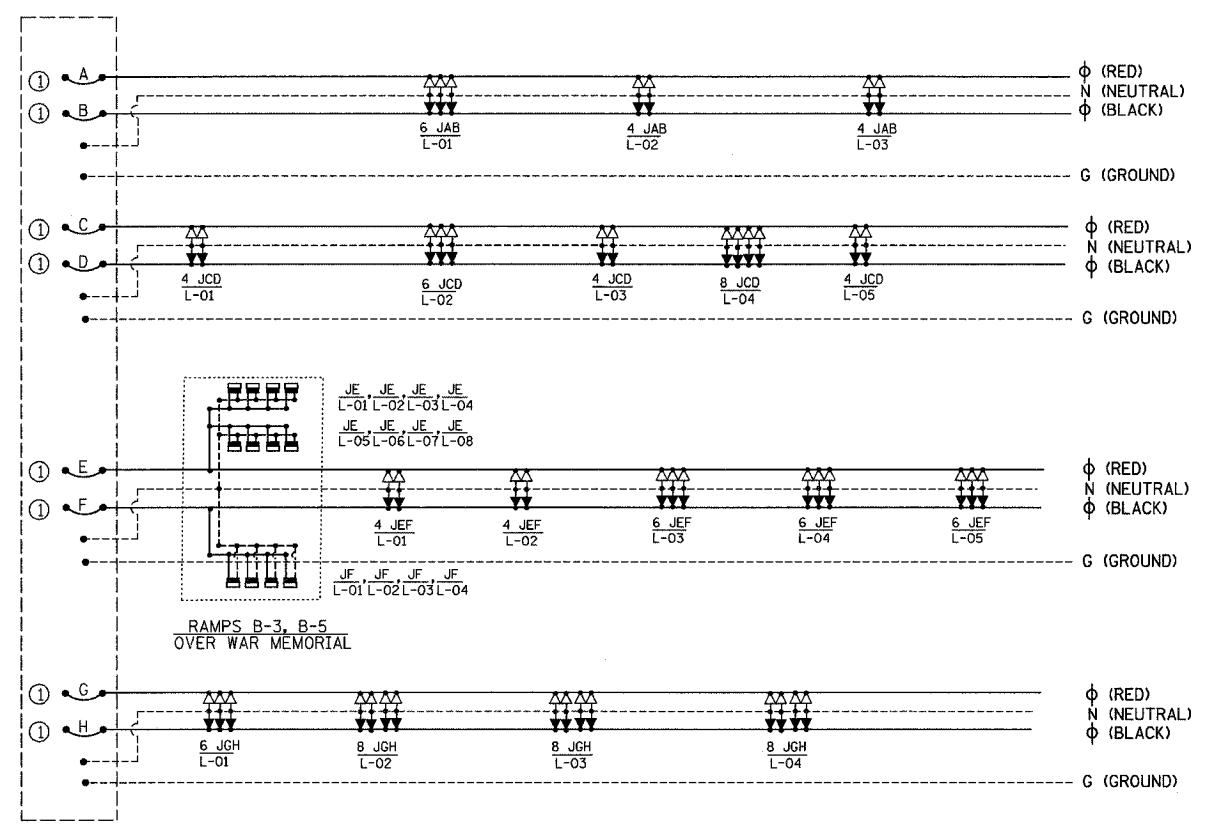
DATE: 11/12/04

DRAWN BY DJK
CHECKED BY MKR

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

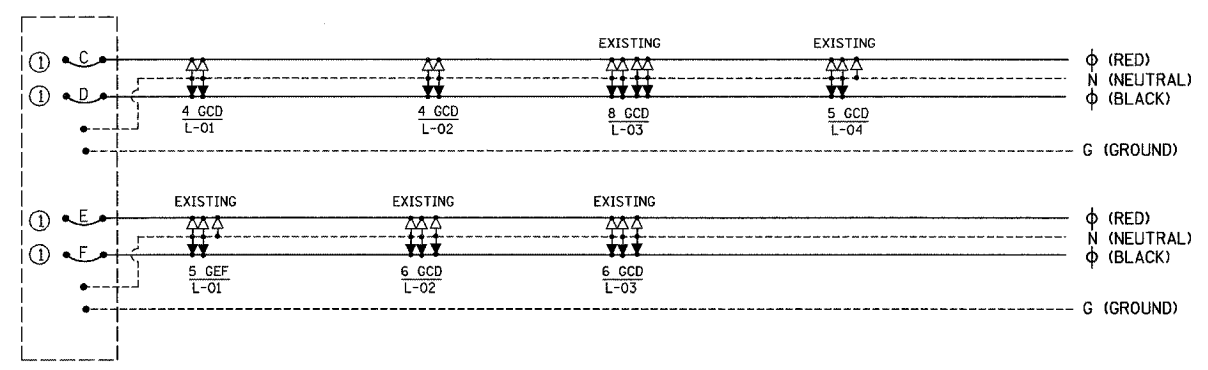
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-TIR-3)	PEORIA	1360	1217
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



① 1 POLE 50AMP BREAKER

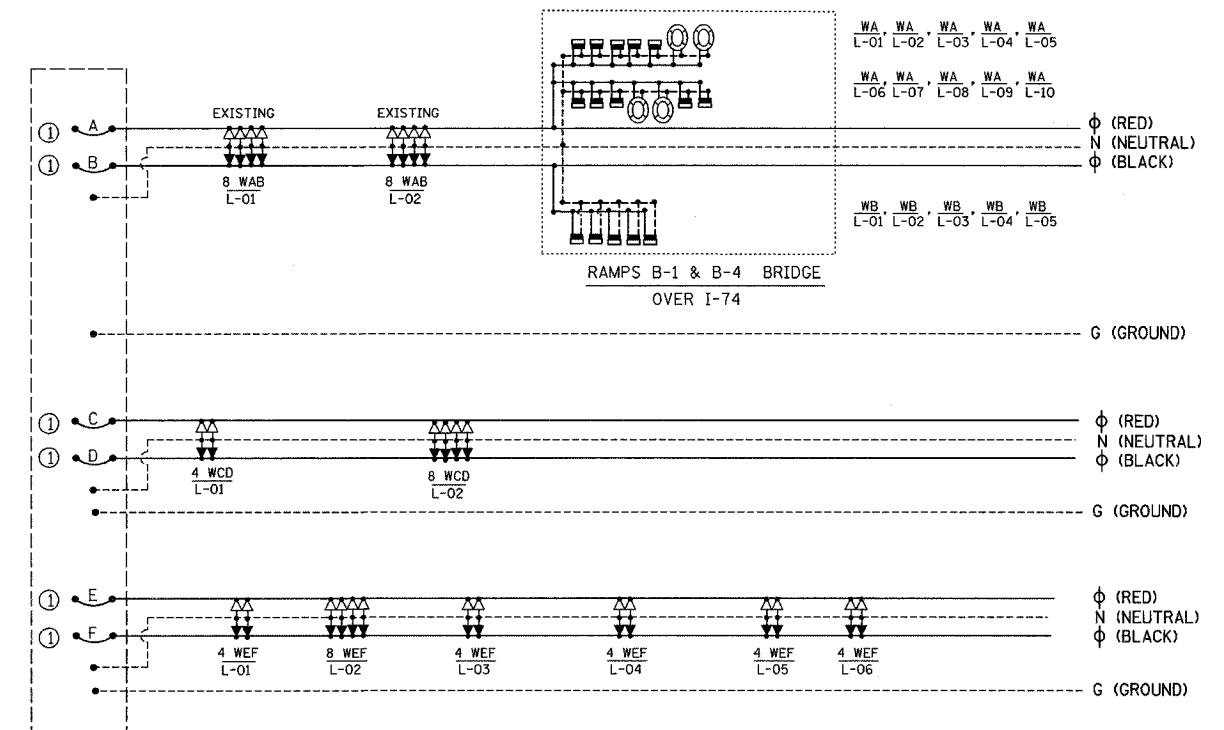
PROPOSED LIGHTING CONTROLLER "J" - (1-PHASE, 240/480VOLT, 3-WIRE)



① 1 POLE 50AMP BREAKER

EXISTING LIGHTING CONTROLLER "G" - (1-PHASE, 240/480VOLT, 3-WIRE)

NOTE: SCHEMATIC SHOWS ONLY THE CIRCUITS EFFECTED BY THE NEW WORK.



① 1 POLE 50AMP BREAKER

EXISTING LIGHTING CONTROLLER "W" - (1-PHASE, 240/480VOLT, 3-WIRE)

NOTE: SCHEMATIC SHOWS ONLY THE CIRCUITS EFFECTED BY THE NEW WORK.

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1/25/2005

LIGHTING SHEET 33 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING CONTROLLER "W", "G",
AND "J" WIRING AND DETAILS

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

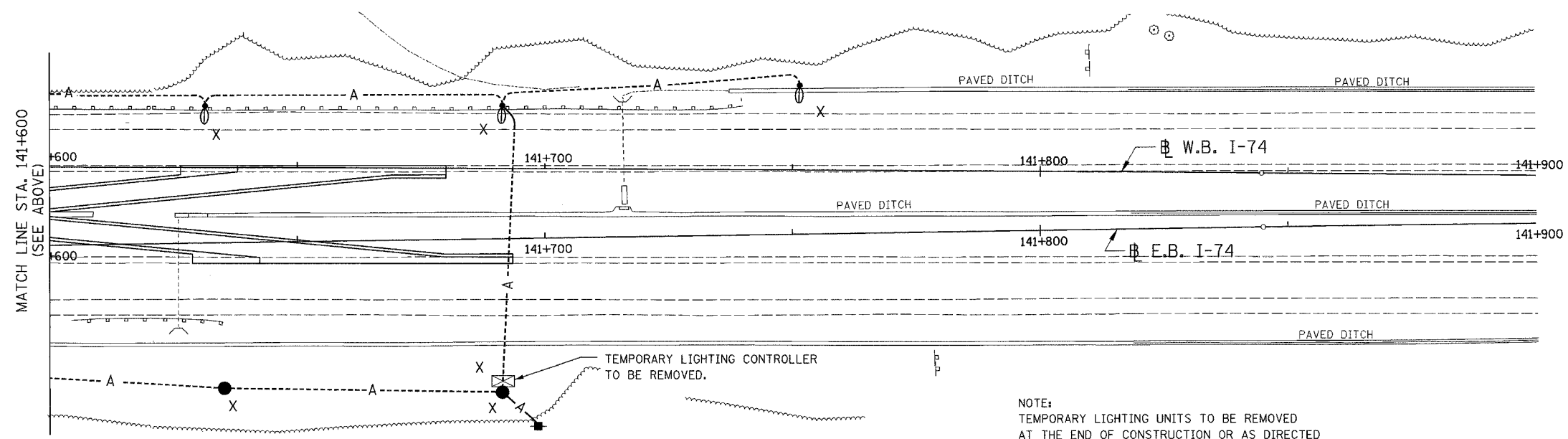
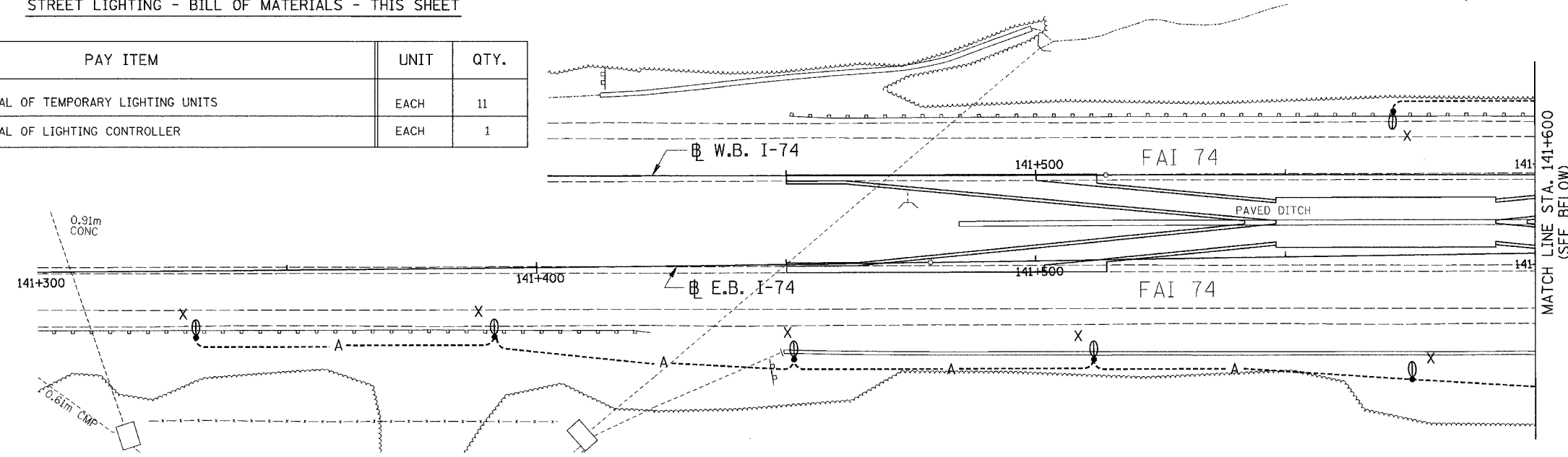
DATE: 1/25/2005
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CHECKED BY: MKR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	136	128
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

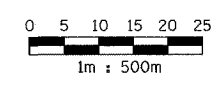
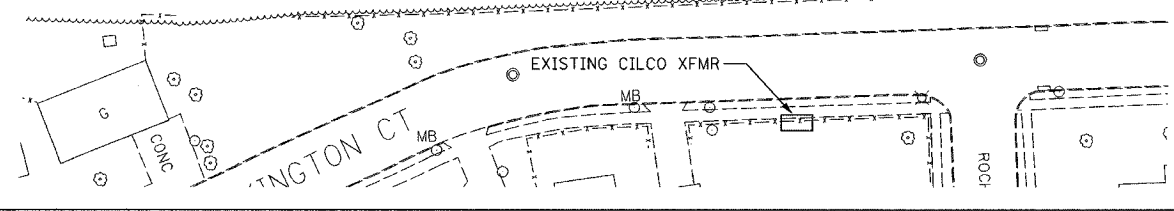
CONTRACT NO. 68200

STREET LIGHTING - BILL OF MATERIALS - THIS SHEET

PAY ITEM	UNIT	QTY.
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	11
REMOVAL OF LIGHTING CONTROLLER	EACH	1



NOTE:
TEMPORARY LIGHTING UNITS TO BE REMOVED
AT THE END OF CONSTRUCTION OR AS DIRECTED
BY THE ENGINEER.



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205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLAN
I-74
STA. 141+300 TO STA. 141+900
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

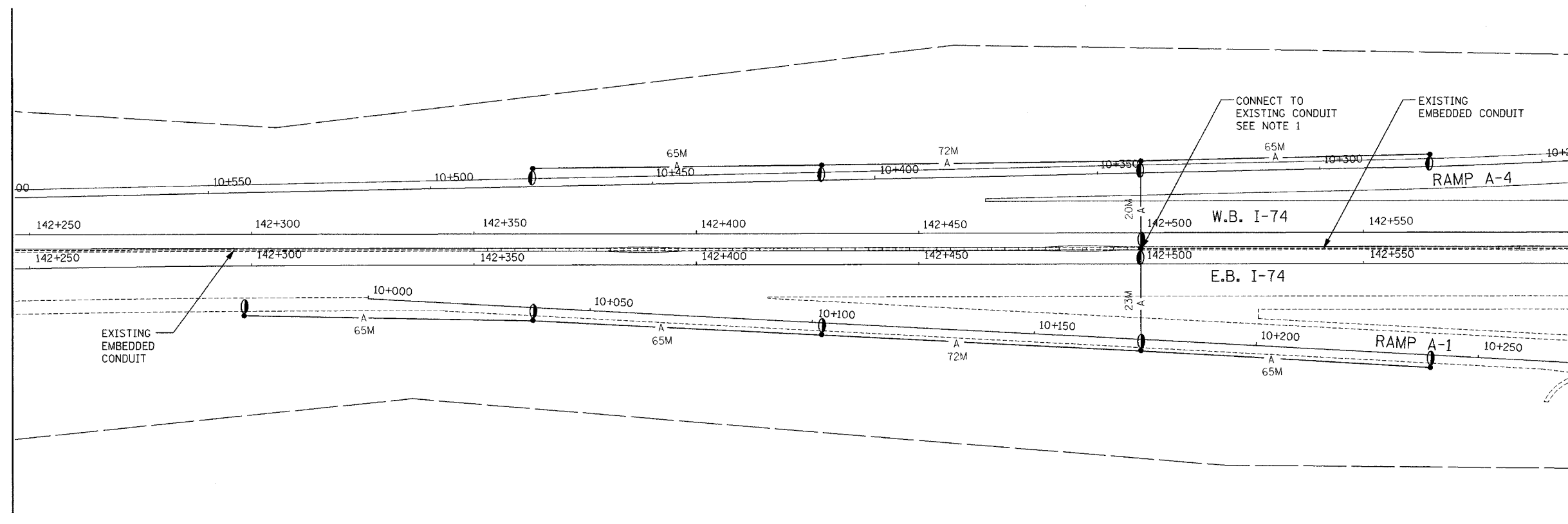
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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1317
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

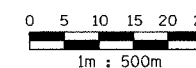


STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	11
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	10
TEMPORARY WOOD POLE, 15.24M, CLASS 4	EACH	10
AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	METER	512.0

- NOTE:
- CONNECT LATERAL CONDUIT ON WOOD POLE TO CONDUIT STUB AT END OF MEDIAN WALL. FOR DETAIL, SEE SHEET 47.
 - TEMPORARY LIGHTING UNITS TO BE REMOVED AT THE END OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

LIGHTING SHEET 35 OF 64



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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLAN
I-74
STA. 142+250 TO STA. 142+600
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

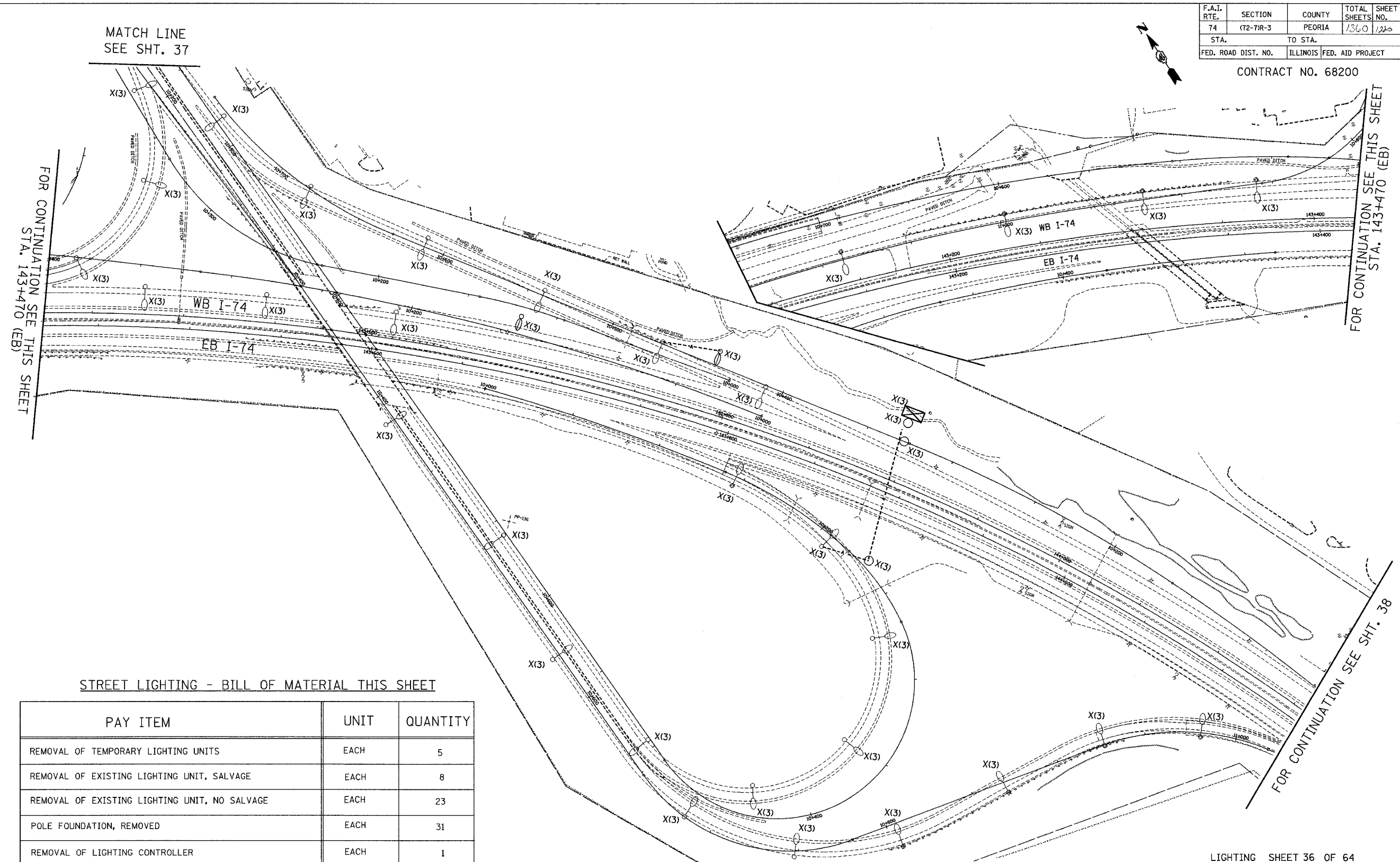
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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1280
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 68200



FOR CONTINUATION SEE THIS SHEET STA. 143+470 (EB)

FOR CONTINUATION SEE THIS SHEET STA. 143+470 (EB)

FOR CONTINUATION SEE SHT. 38

STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	5
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	8
REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	23
POLE FOUNDATION, REMOVED	EACH	31
REMOVAL OF LIGHTING CONTROLLER	EACH	1

NOTE:
EXISTING CONDUIT AND CABLE SHALL BE ABANDONED FOLLOWING THE REMOVAL OF LIGHT POLES AND FOUNDATIONS.

LIGHTING SHEET 36 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLAN
I-74
STA. 143+300 TO STA. 143+650

DATE: 1/26/2005
DRAWN BY DJK
CHECKED BY MKR

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

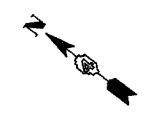
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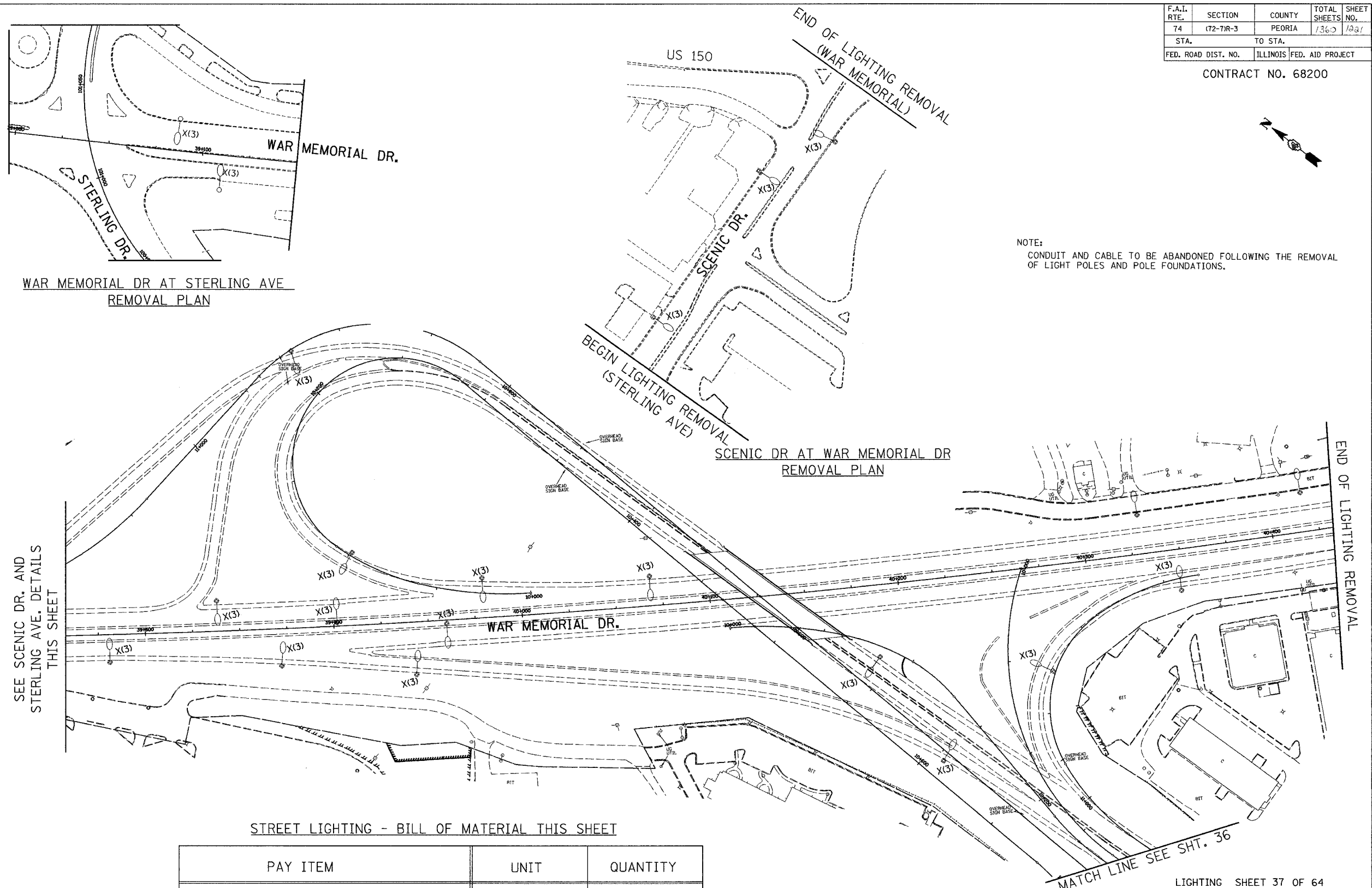
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1921
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 68200



NOTE:
CONDUIT AND CABLE TO BE ABANDONED FOLLOWING THE REMOVAL OF LIGHT POLES AND POLE FOUNDATIONS.



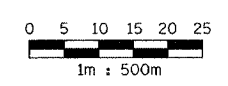
WAR MEMORIAL DR AT STERLING AVE
REMOVAL PLAN

SCENIC DR AT WAR MEMORIAL DR
REMOVAL PLAN

SEE SCENIC DR. AND
STERLING AVE. DETAILS
THIS SHEET

STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	5
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	14
POLE FOUNDATION, REMOVED	EACH	19



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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLAN
WAR MEMORIAL DR.
STA. 39+640 TO STA. 40+000
DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

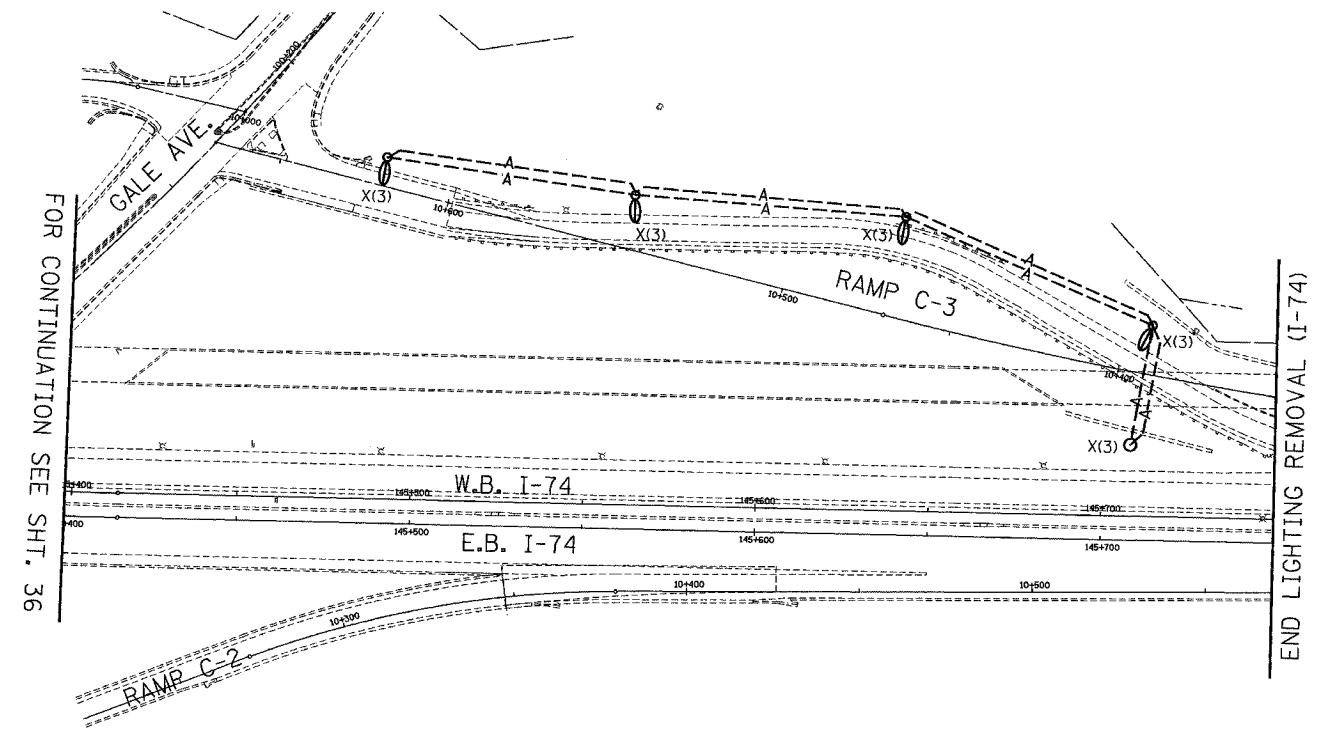
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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1359
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



STREET LIGHTING - BILL OF MATERIAL THIS SHEET

PAY ITEM	UNIT	QUANTITY
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	5

LIGHTING SHEET 38 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 REMOVAL PLAN
 I-74
 STA. 145+400 TO STA. 145+750
 DRAWN BY DJK
 CHECKED BY MKR
 DATE: 11/12/04

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 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

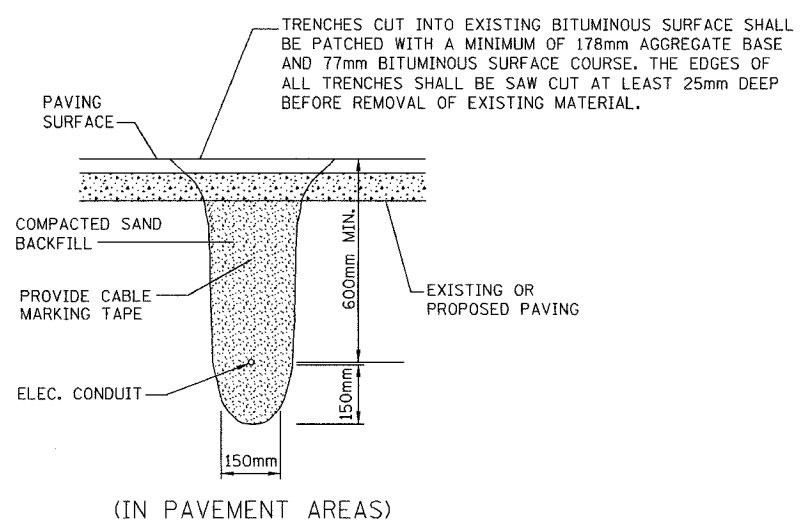
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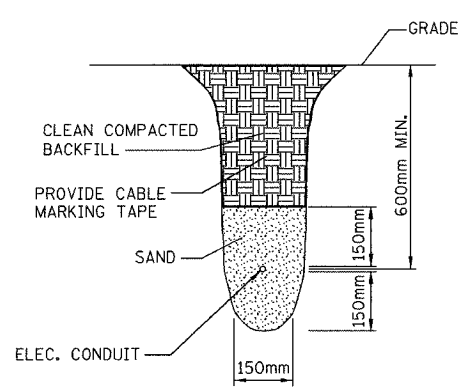
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	136	123
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

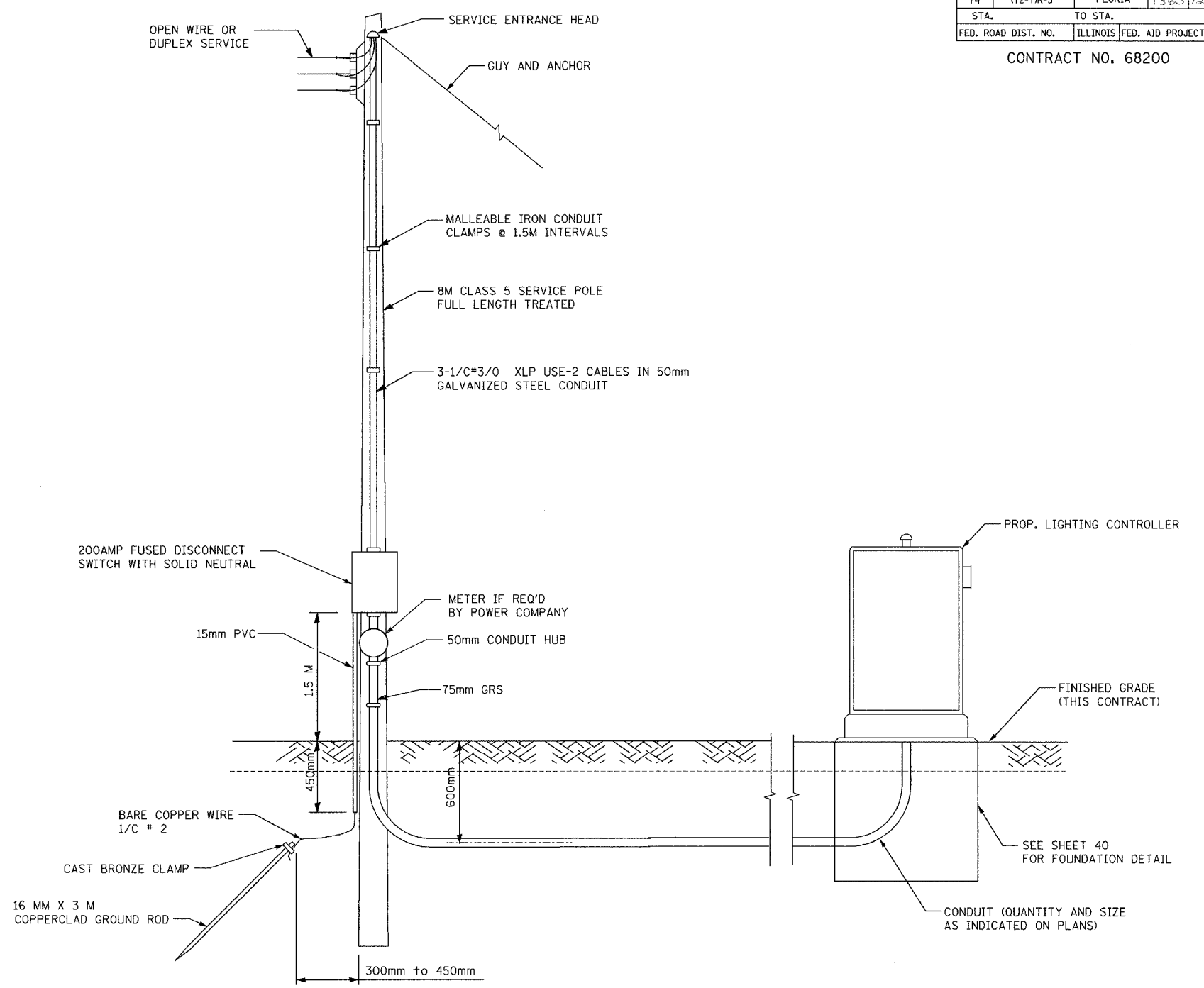


(IN PAVEMENT AREAS)



(IN LANDSCAPED AREAS)

TRENCH DETAILS
NO SCALE



ELECTRIC SERVICE INSTALLATION
N.T.S.

m:\proj\3573\lighting\74contract\01\1000-7a_service.dgn
409-44 P11
11/12/2004

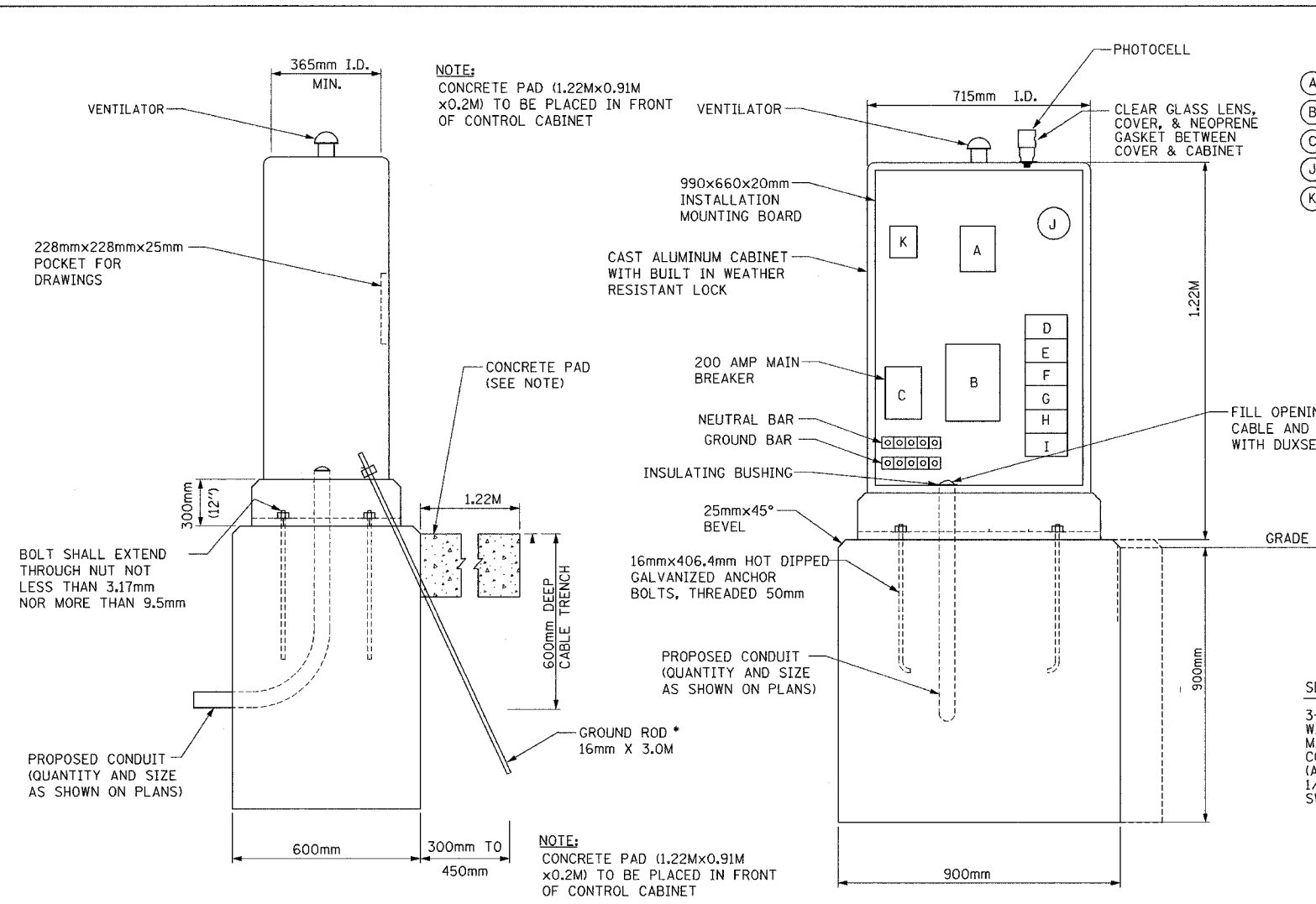
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		ELECTRIC SERVICE INSTALLATION AND TRENCH DETAIL

DATE: 11/12/04
DRAWN BY JWW
CHECKED BY MKR

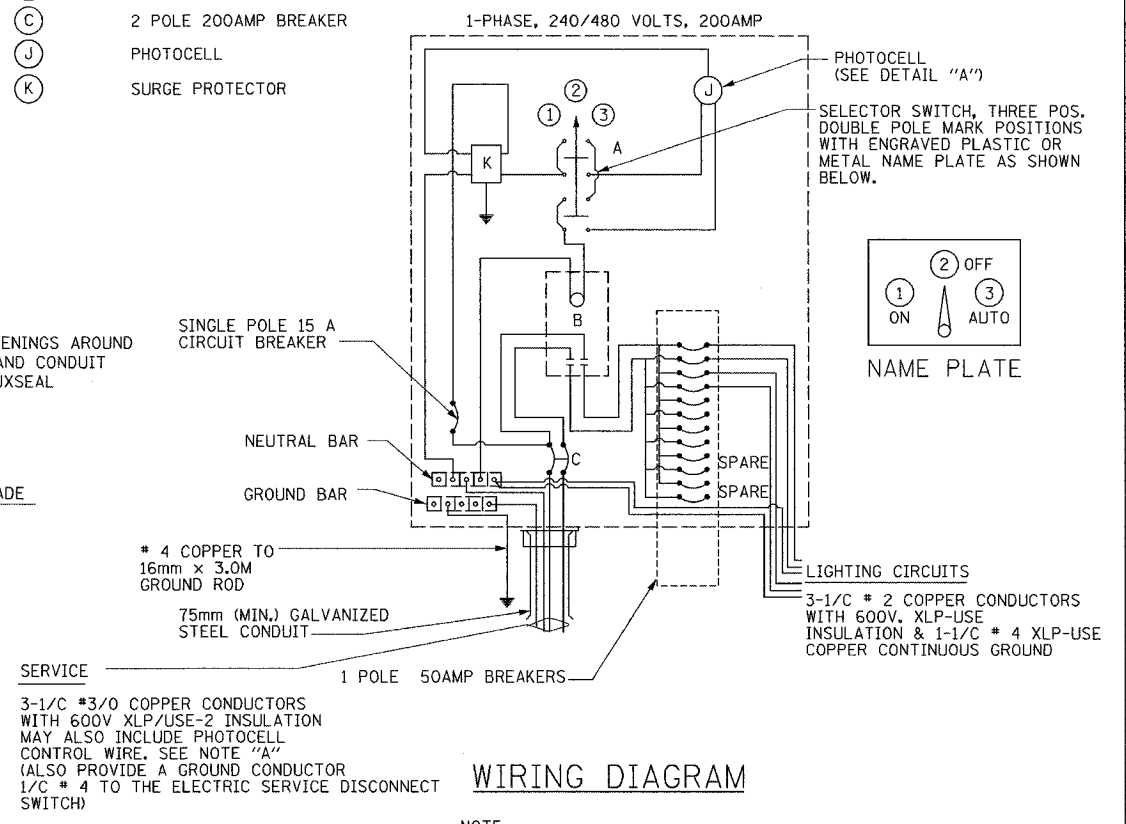
ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	124
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 68200



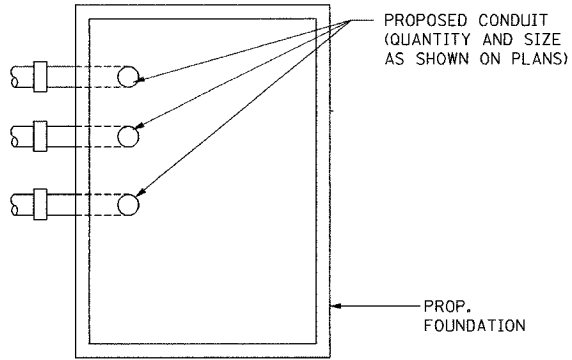
- (A) SELECTOR SWITCH
- (B) 2 POLE 200AMP CONTACTOR
- (C) 2 POLE 200AMP BREAKER
- (J) PHOTOCELL
- (K) SURGE PROTECTOR



* THE COST OF THE GROUND ROD AND GROUND CLAMP SHALL BE INCLUDED IN THE PAY ITEM " LIGHTING CONTROLLER."

THE FOLLOWING SHALL BE INCLUDED IN THE CONTROLLER CABINET:
 -GFI SERVICE RECEPTACLE.
 -CAGE MOUNTED SERVICE LIGHT FIXTURE WITH ON/OFF SWITCH.
 -STEP DOWN TRANSFORMER WITH SECONDARY FUSING.

THESE ITEMS SHALL BE INCLUDED IN THE PAY ITEM " LIGHTING CONTROLLER TYPE CB-RCS , 200AMP-480VOLT "



NOTE "A"
 THE UNDERGROUND SERVICE SHALL BE 9.14M MINIMUM AND 45.7M MAXIMUM. TOTAL AERIAL & UNDERGROUND SERVICE BETWEEN THE CONTROL INSTALLATION AND PRIMARY TRANSFORMER SHALL NOT EXCEED 76M.

LIGHTING SHEET 40 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED LIGHTING
 CONTROLLER WIRING AND DETAILS
 TYPE CB-RCS-200

DRAWN BY DJK
 CHECKED BY MKR

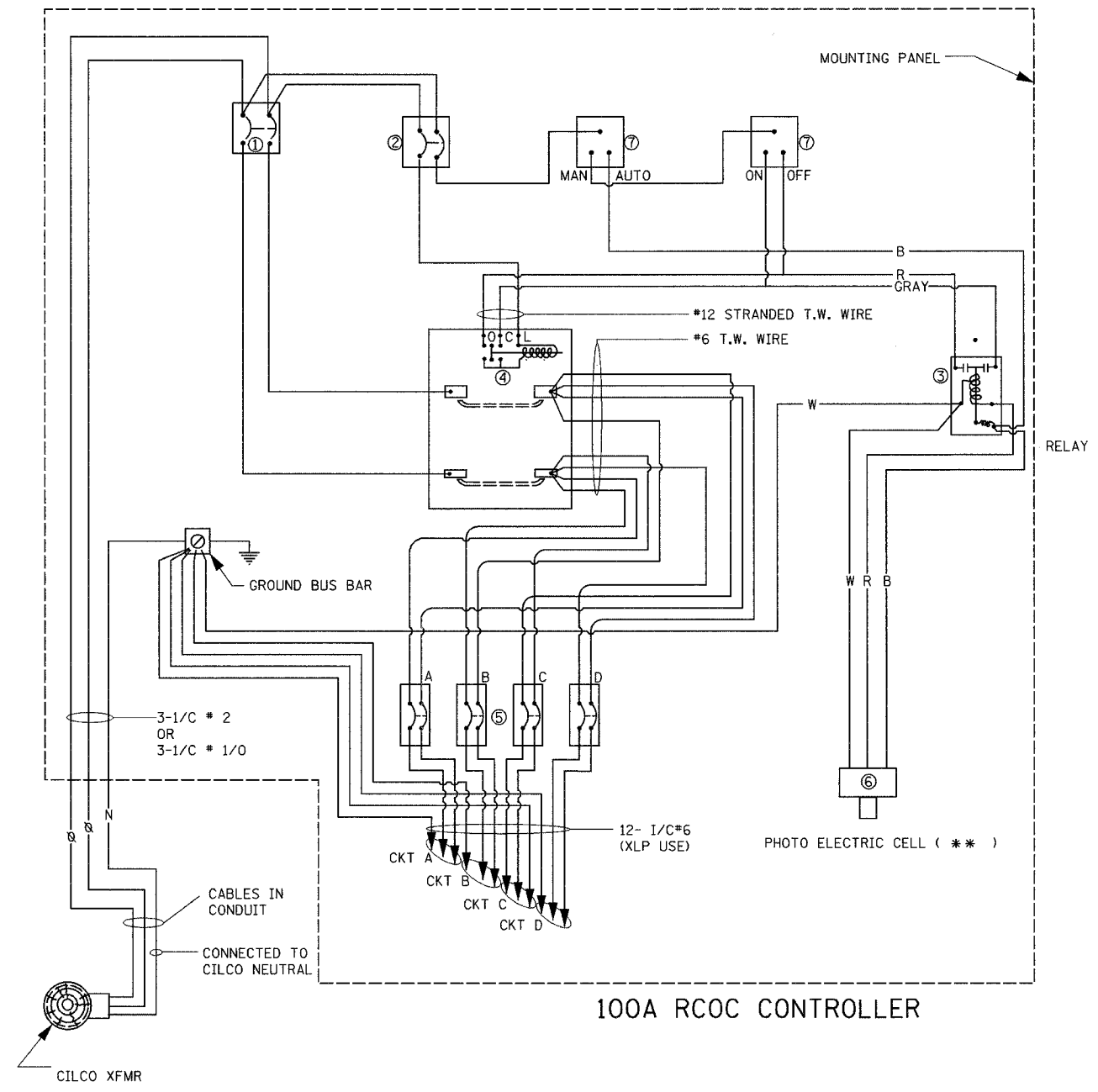
DATE: 11/12/04

ab **alfred benesch & company**
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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 11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1225
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 68200



* THE PROPOSED RCOC STREET LIGHTING CONTROLLER WILL BE SUPPLIED BY THE CITY OF PEORIA. WIRING DETAIL SHOWN FOR INFORMATION ONLY.
 ** CONTRACTOR TO VERIFY LOCATION OF THE ELECTRIC PHOTO CELL WITH THE CITY OF PEORIA.

1. CIRCUIT BREAKER- 2 POLE, 100A.
2. 15A, 2 POLE CONTROL CIRCUIT BREAKER.
3. RELAY (POTTER BRUMFIELD PRD 5AY0-120)
4. REMOTE CONTROL SWITCH - 2 POLE, 100A. 240V A.C. COIL (AUTOMATIC SWITCH CO.)
5. BRANCH CIRCUIT BREAKER - 2 POLE, 50A.
6. PHOTO ELECTRIC CELL (FISHER PIERCE "NIGHTLIGHTER" MODEL FA105, 1000 WATT.)
7. IP. DOUBLE THROW SWITCH (MOMENTARY CONTACT)

**LIGHTING CONTROLLER
WIRING DETAIL**

LIGHTING SHEET 41 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 100 AMP
 LIGHTING CONTROLLER WIRING DETAIL
 DRAWN BY DJK
 CHECKED BY MKR
 DATE: 11/12/04

alfred benesch & company
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

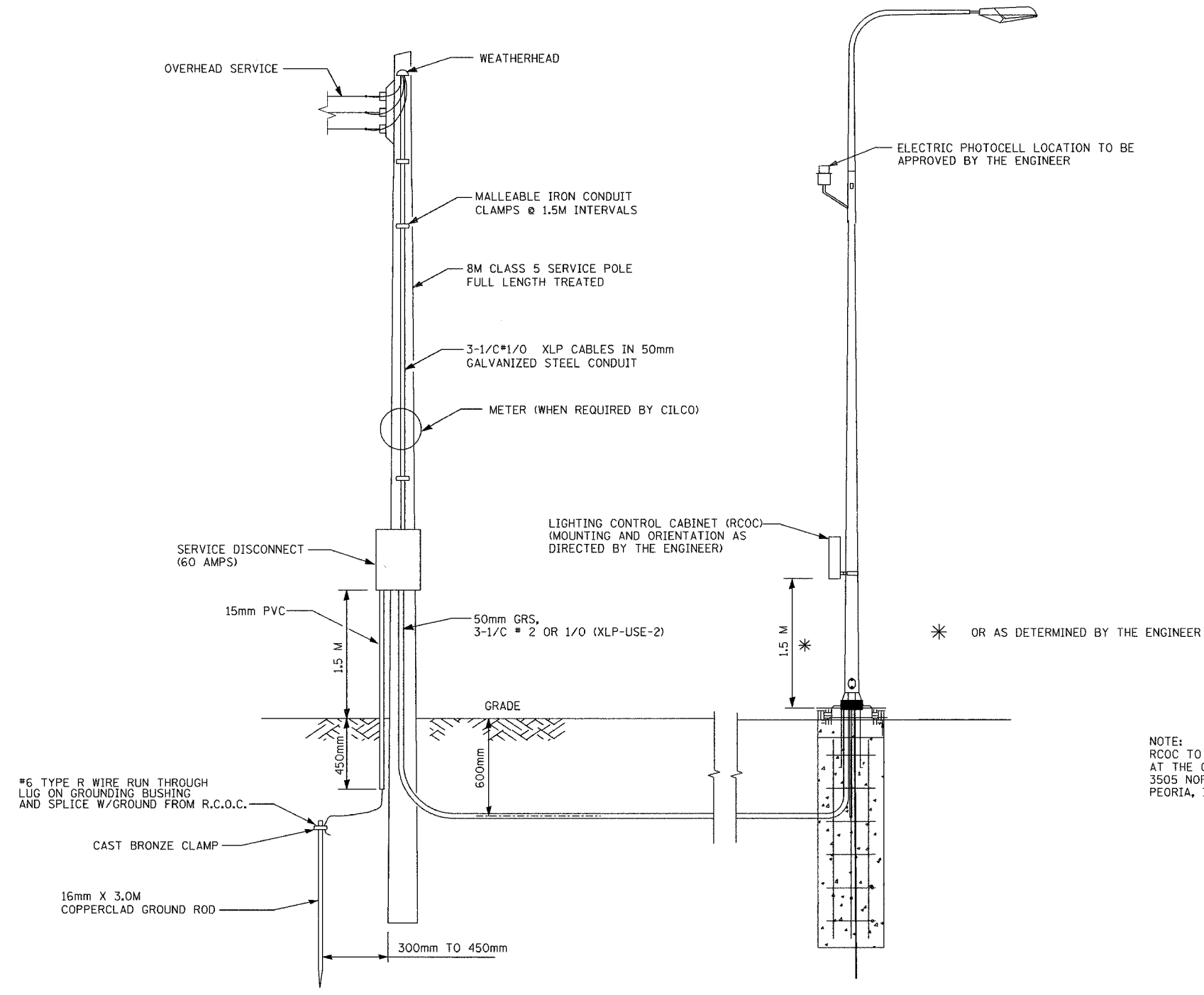
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11/15/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1226
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



NOTE:
RCOC TO BE PICKED UP BY THE CONTRACTOR
AT THE CITY OF PEORIA'S FACILITY LOCATED AT:
3505 NORTH DRIES LANE
PEORIA, IL 61604

ELECTRIC SERVICE INSTALLATION
N.T.S.

LIGHTING SHEET 42 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING DETAIL
ELECTRIC SERVICE INSTALLATION

DRAWN BY DJK
CHECKED BY MKR
DATE: 11/12/04

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

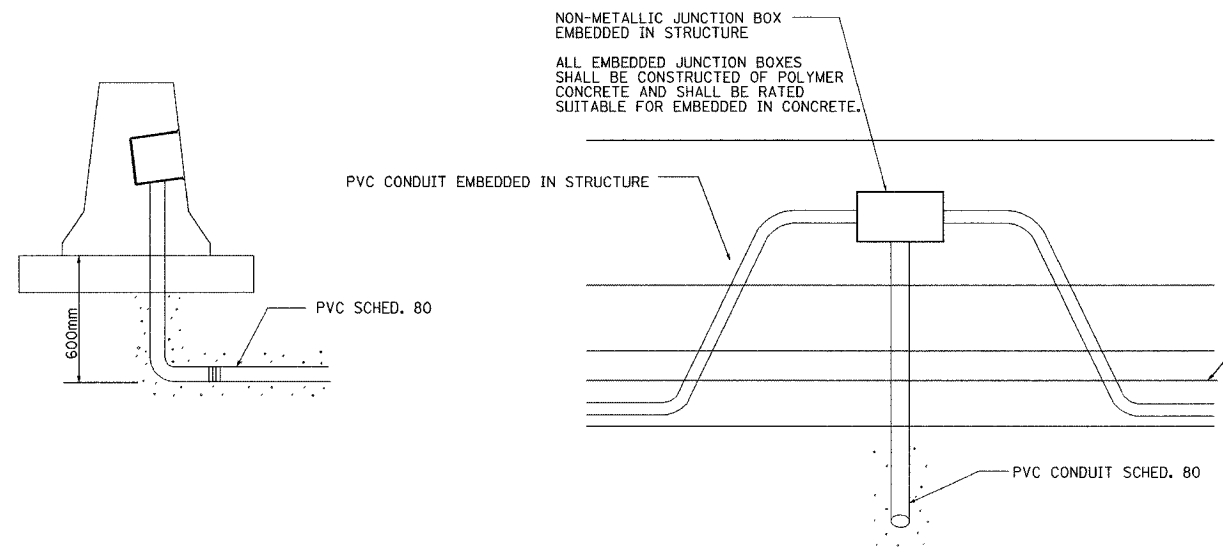
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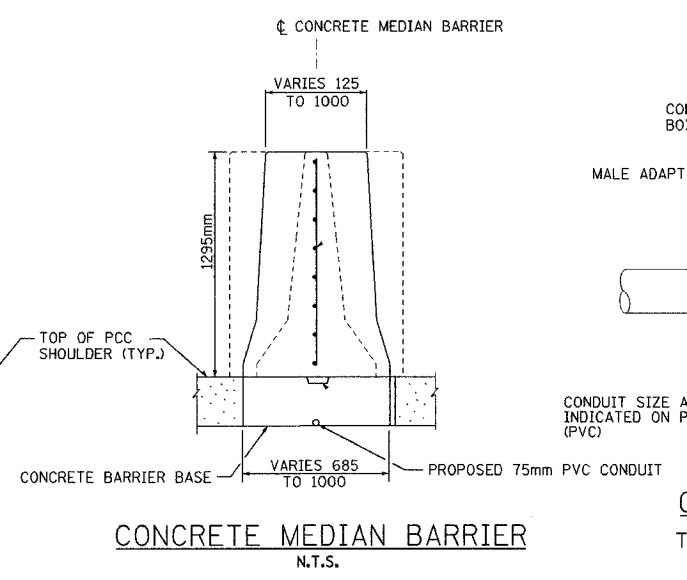
11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1366	1327
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

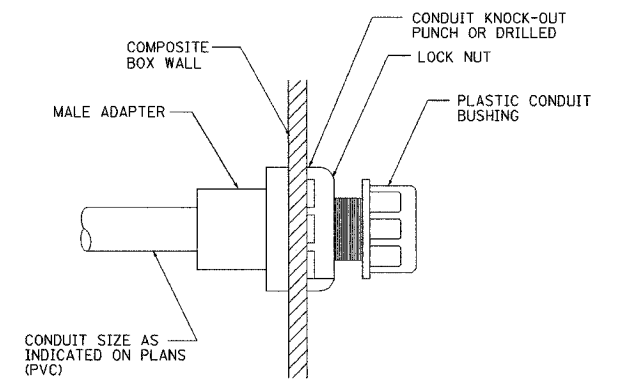
CONTRACT NO. 68200



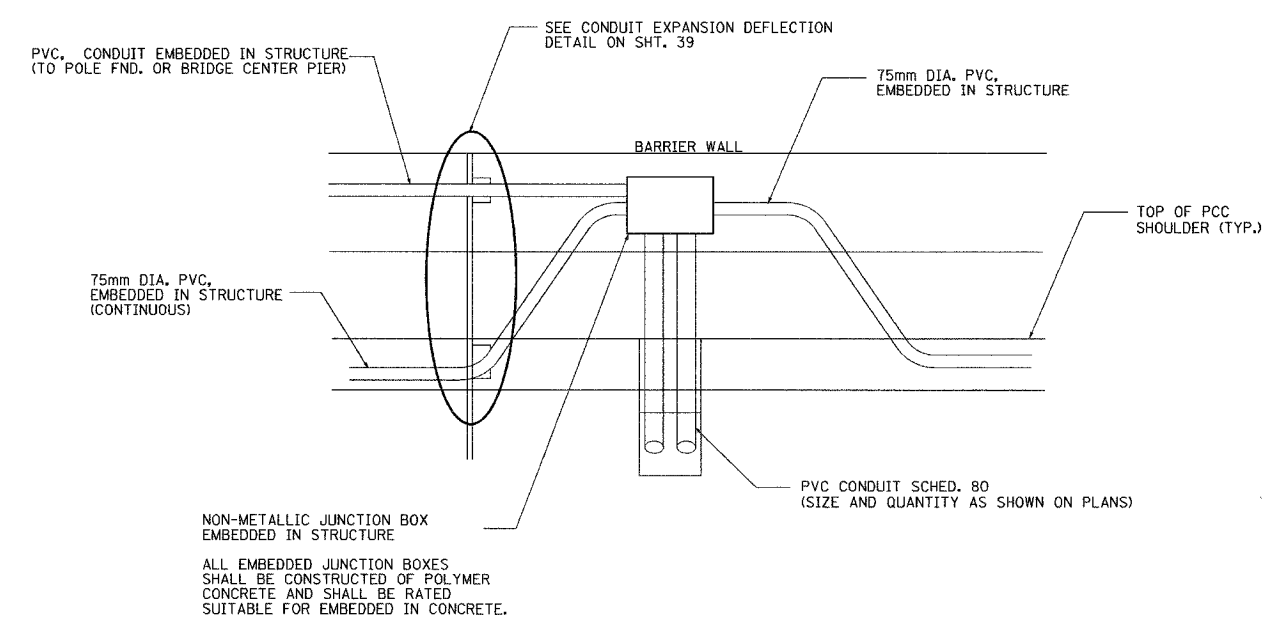
JUNCTION BOX EMBEDDED IN BARRIER WALL - DETAIL 1
N.T.S.



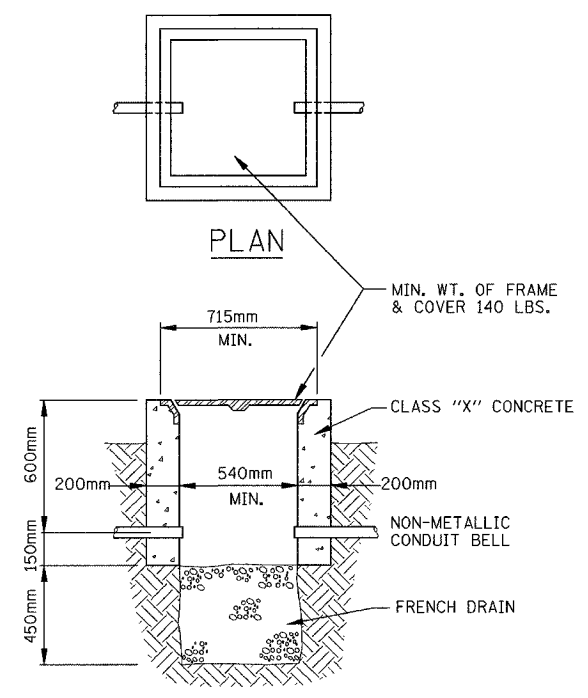
CONCRETE MEDIAN BARRIER
N.T.S.



CONDUIT BOX ENTRY
TYPICAL ALL BARRIER BOXES
N.T.S.



BARRIER WALL JUNCTION BOX -DETAIL 2
N.T.S.



SECTION CONCRETE HANDHOLE

LIGHTING SHEET 43 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS LIGHTING DETAILS

DRAWN BY JSS/MMK
CHECKED BY MKR
DATE: 11/12/04

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

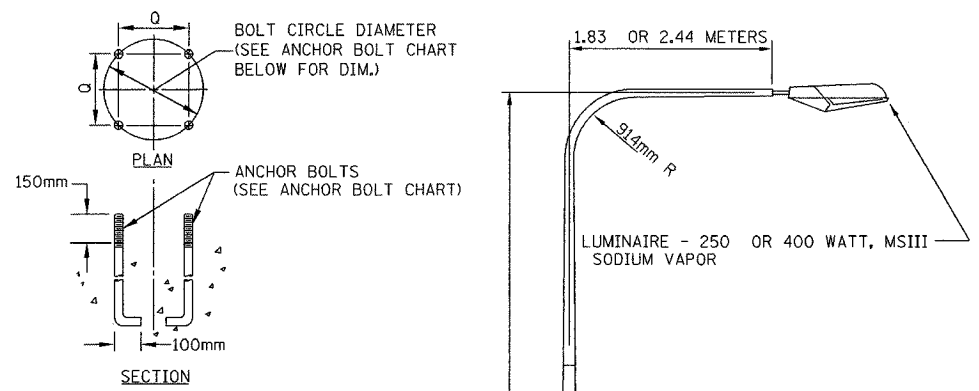
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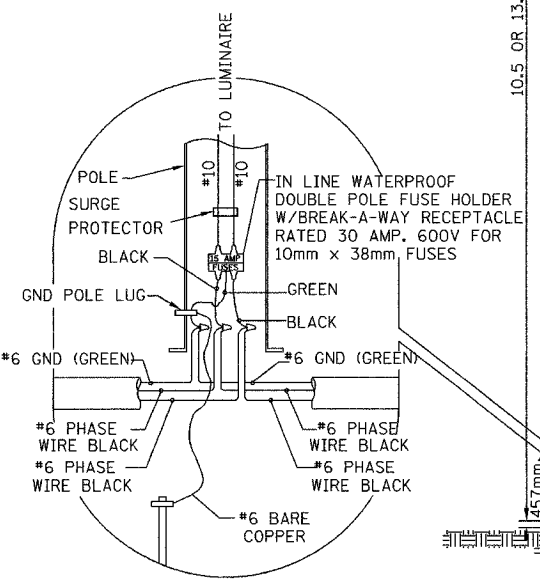
11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

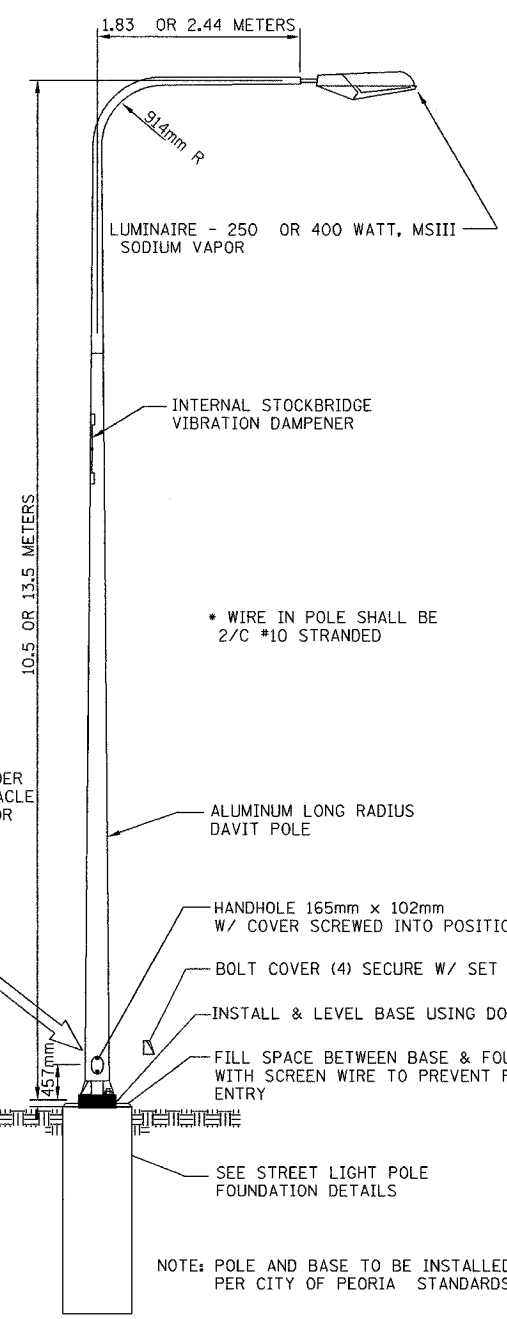
CONTRACT NO. 68200



ANCHOR BOLT DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

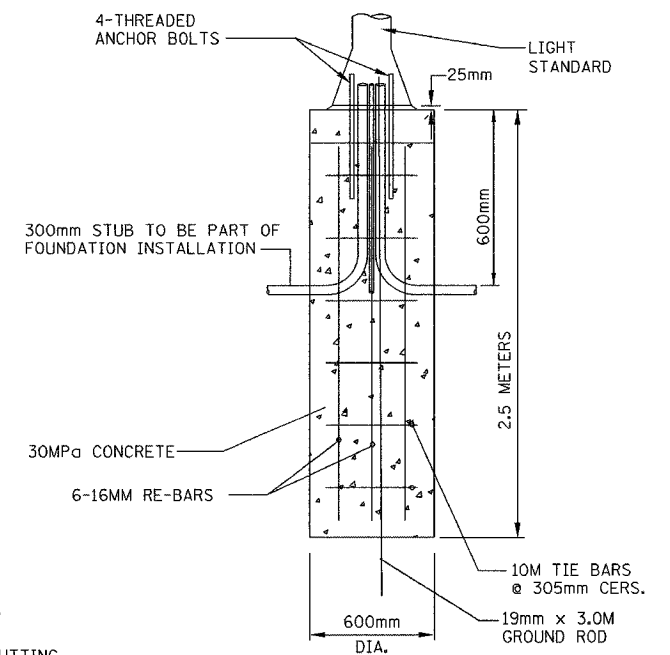
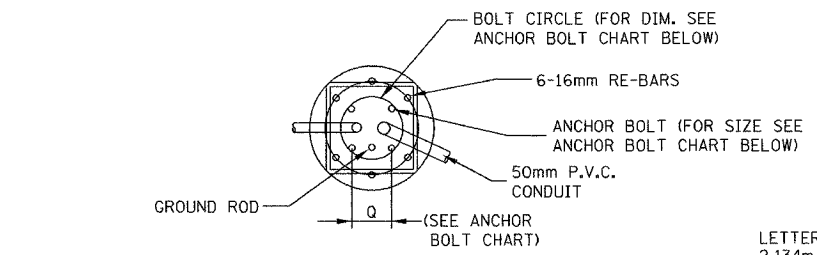


DAVIT POLE
N.T.S.

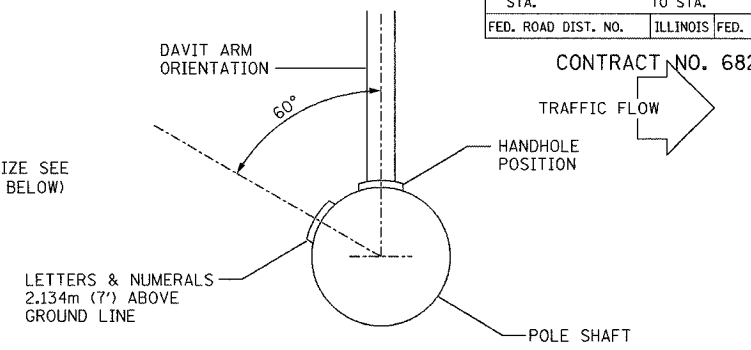
ANCHOR BOLT CHART (EXCLUDING RAMP POLES)

POLE TYPE	ANCHOR BOLT	Q	BOLT CIRCLE
10.5m DAVIT	25mm X 900mm	215mm	300mm
13.5m DAVIT	30mm X 1000mm	255mm	365mm

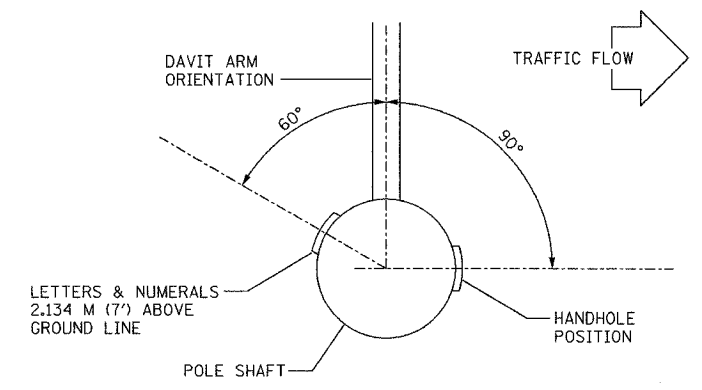
- NOTES: RE- ANCHOR BOLTS**
1. MANUFACTURER STANDARDS SHALL GOVERN OVER ABOVE ANCHOR BOLT DIMENSIONS.
 2. ANCHOR SYSTEMS SHALL BE SUPPLIED BY THE MANUFACTURER.
 3. REQ'D. ANCHOR BOLT PROJECTION SHALL BE VERIFIED BY CONTRACTOR PRIOR TO PLACING.



STREET LIGHT POLE FOUNDATION
N.T.S.



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

LIGHTING SHEET 44 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

POLE DETAILS

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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 11/12/04

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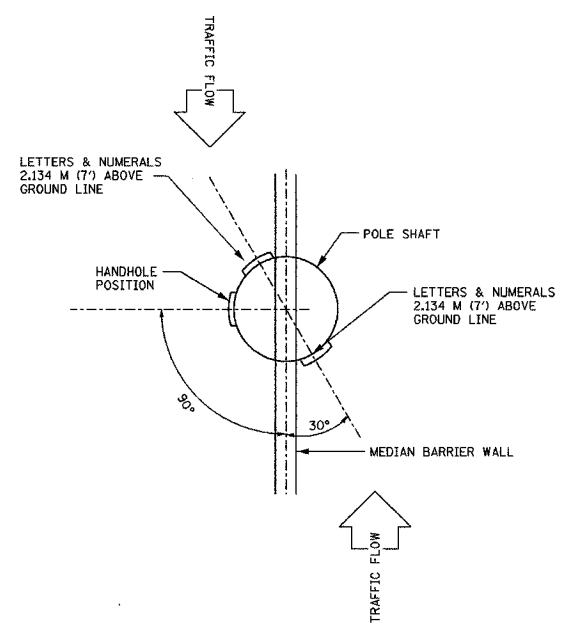
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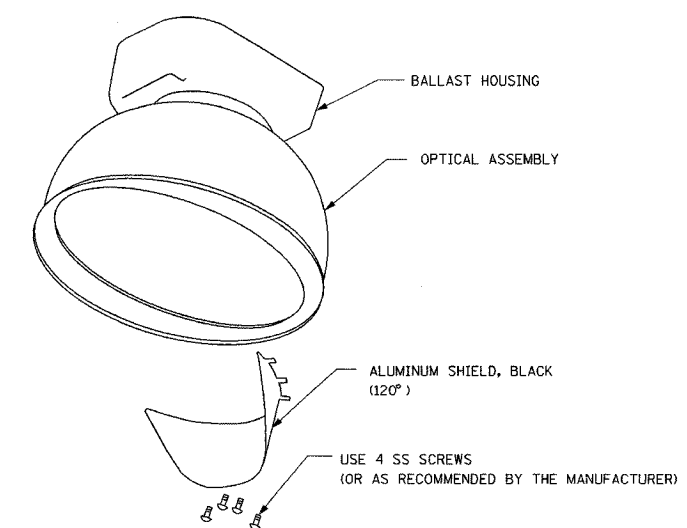
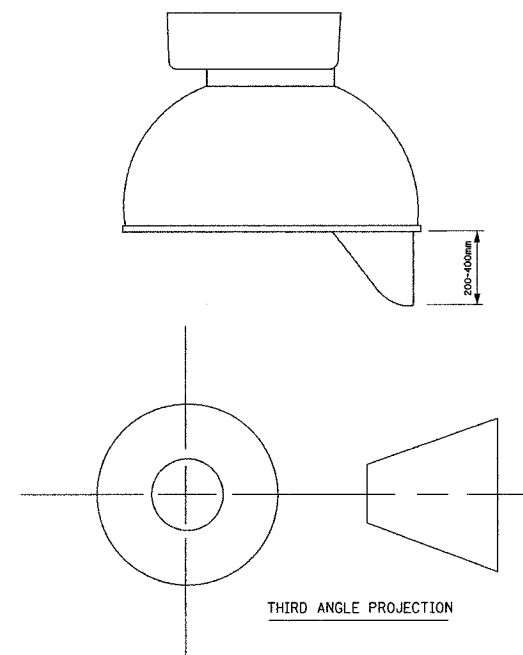
11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1229
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

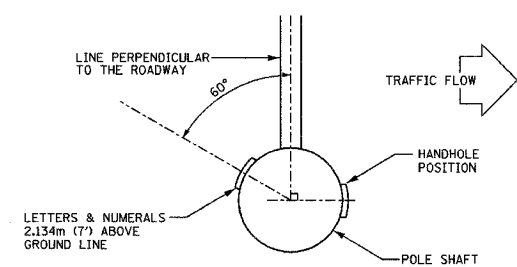


POSITION OF HANDHOLE AND POLE NUMBER FOR MEDIAN MOUNTED POLES



LUMINAIRE SHIELD DETAIL

* THE COST OF THE SHIELD SHALL BE INCLUDED IN THE PAY ITEM FOR HIGH MAST LUMINAIRE.



POSITION OF HANDHOLE AND POLE NUMBER FOR IN-FIELD POLES

LIGHTING SHEET 45 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS HIGH MAST POLE AND LUMINAIRE DETAILS

DATE: 11/12/04
DRAWN BY DJK
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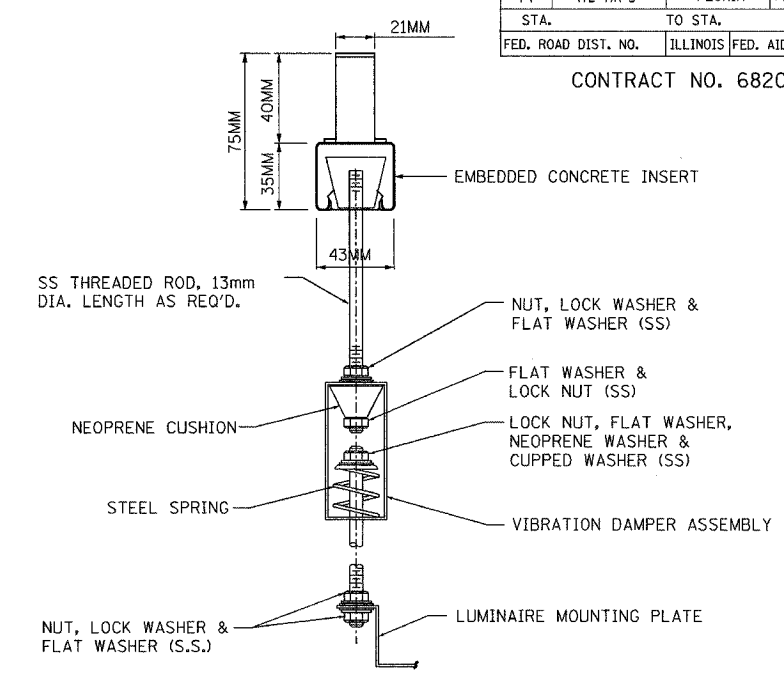
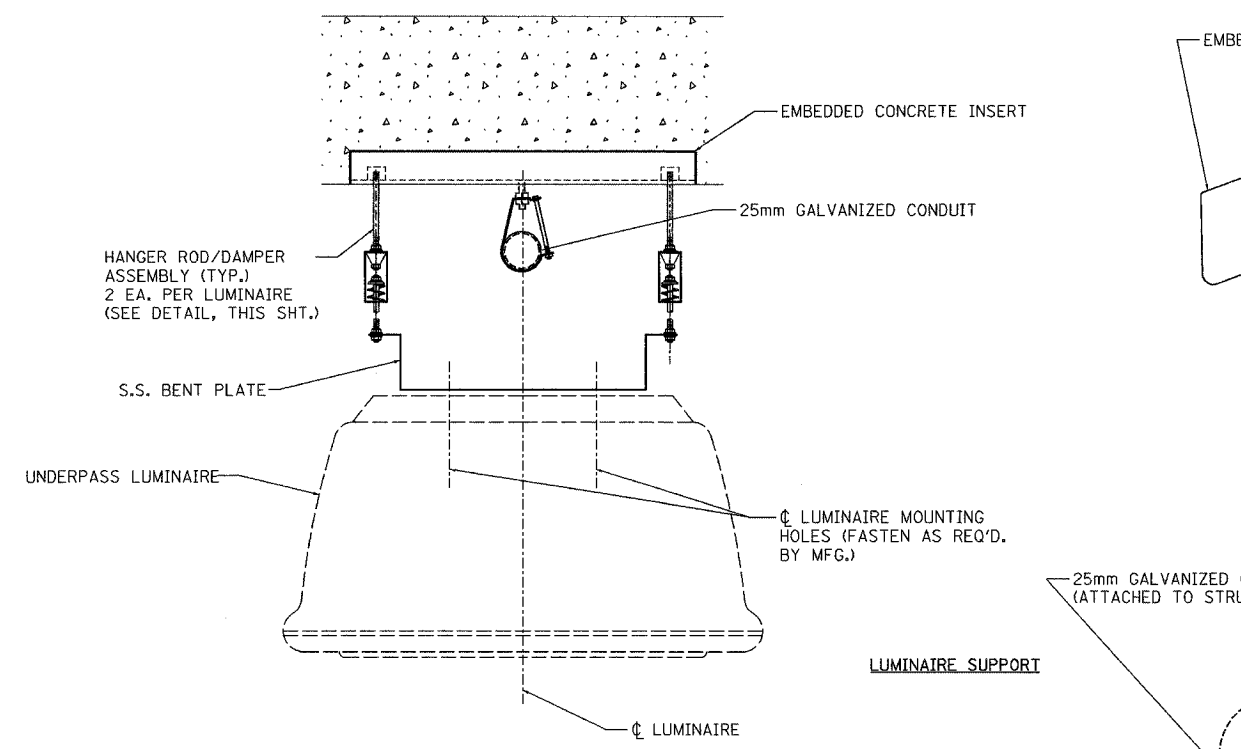
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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1330
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

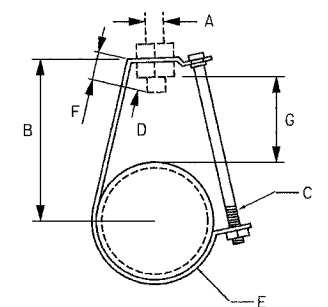
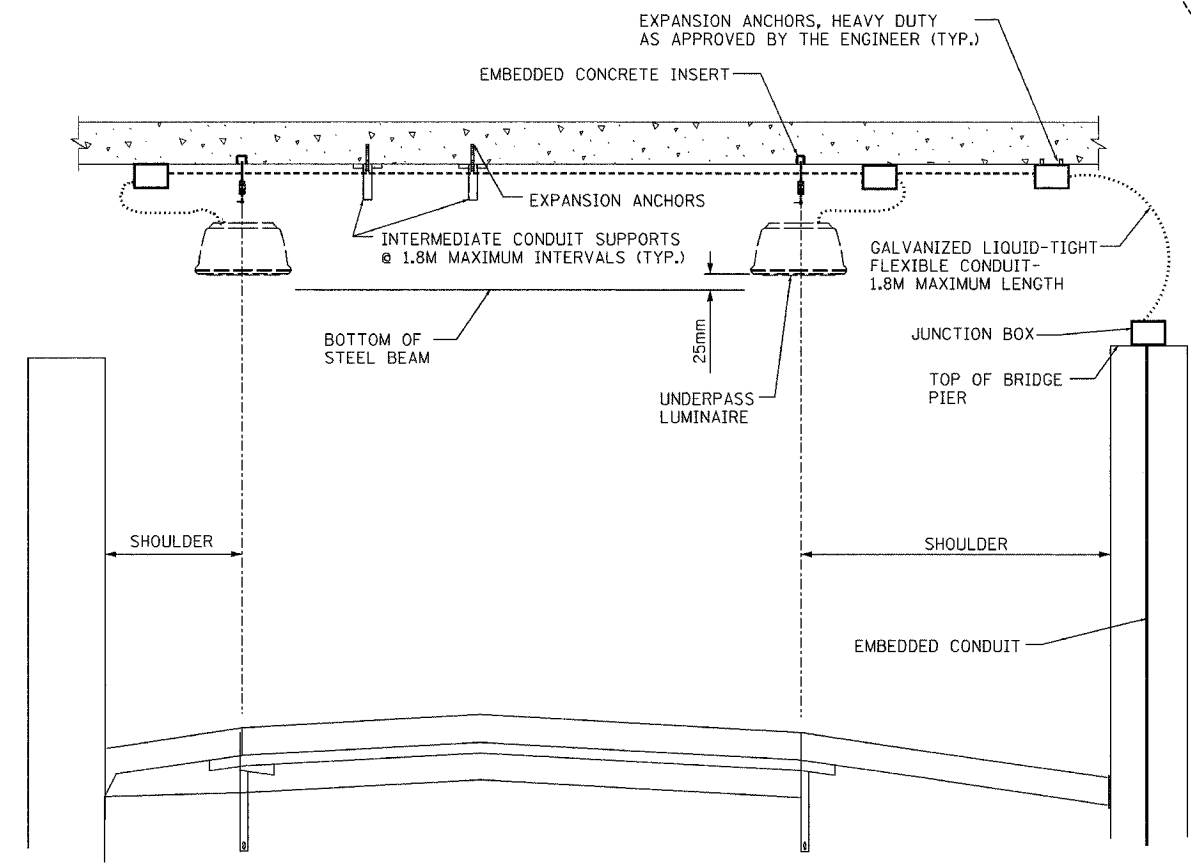


LUMINAIRE HANGER ASSEMBLY

N.T.S.

* THE COST OF THE LUMINAIRE HANGER ASSEMBLY SHALL BE INCLUDED IN THE PAY ITEM FOR UNDERPASS LUMINAIRE, (INSTALL ONLY).

OTHER VIBRATION DAMPER ASSEMBLIES MAY BE USED IF APPROVED BY THE ENGINEER.



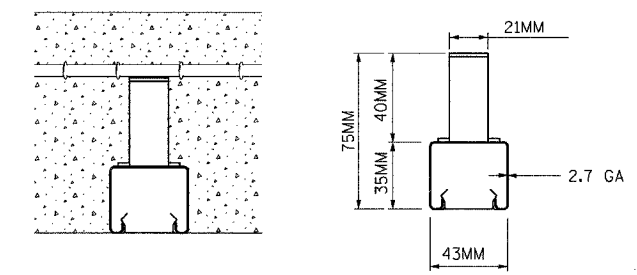
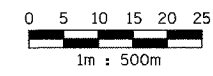
MEASUREMENTS (mm)

A	B	C	D	E	F	G
9.5	57.2	6.4x 69.9	10.3	3.2x 19.1	14.3	25.4

CONDUIT SUPPORT

N.T.S.

* THE COST OF THE CONDUIT SUPPORT SHALL BE INCLUDED IN THE PAY ITEM FOR THE CONDUIT ATTACHED TO STRUCTURE.



DETAIL 1 - 200mm CONCRETE INSERT

N.T.S.

* THE CONCRETE INSERT SHALL BE ORIENTED WITH THE LONG DIMENSION PARALLEL TO TRAFFIC FLOW.

THE COST OF CONCRETE INSERT SHALL BE INCLUDED IN THE PAY ITEM FOR THE EMBEDDED CONDUIT.

LIGHTING SHEET 46 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS UNDERPASS LIGHTING DETAILS

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CHECKED BY MKR

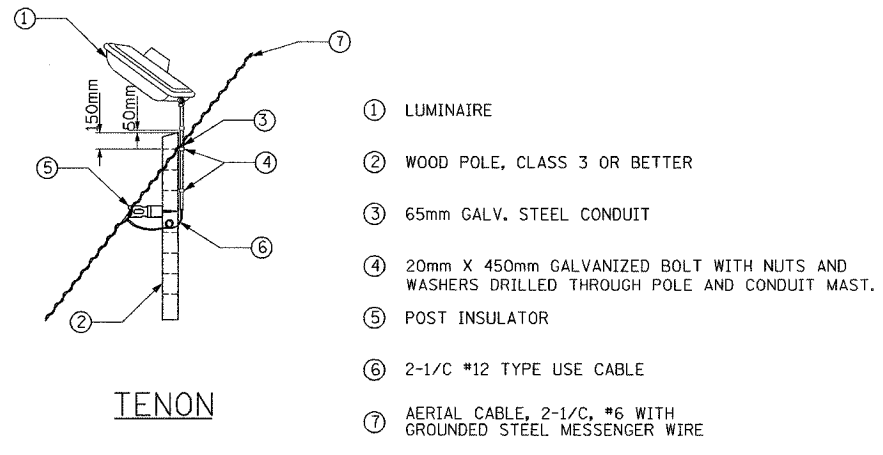
DATE: 11/12/04

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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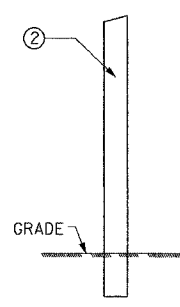
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1331
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



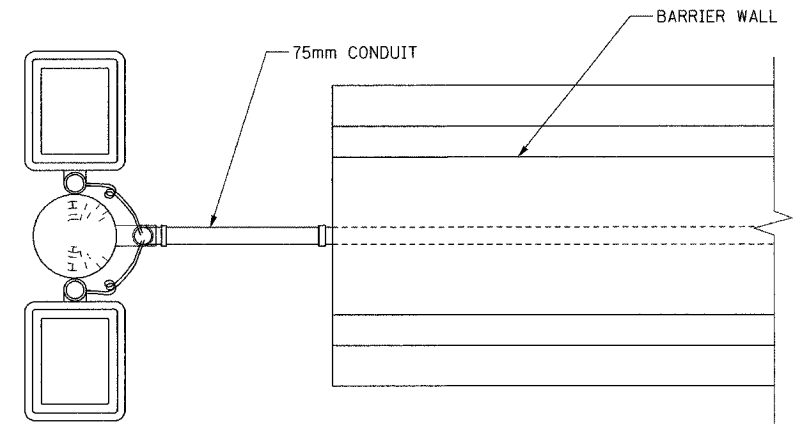
TENON

TEMPORARY WOOD POLE
DETAIL T1

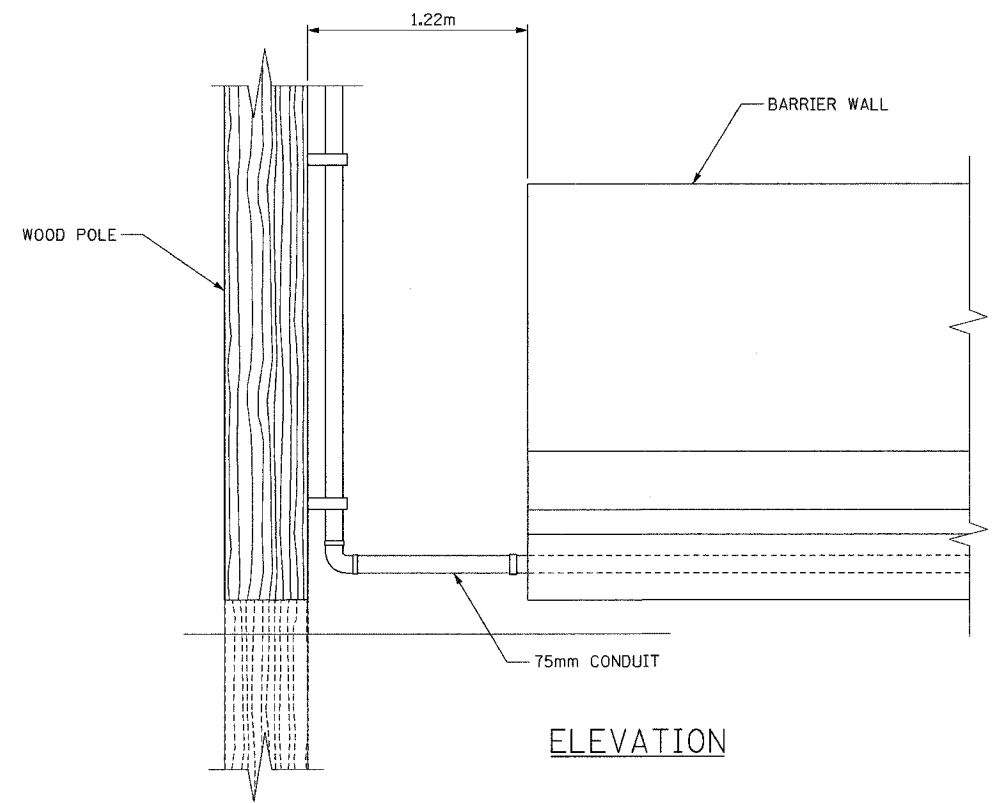


WOOD POLE

POLE LENGTH	DEPTH IN GROUND
19.8m	3.65m
18.29m	3.00m
16.76m	2.74m
15.24m	2.43m
13.72m	2.13m
12.2m	1.98m
10.67m	1.83m
9.15m	1.68m



PLAN



ELEVATION

TEMPORARY LIGHTING DETAILS
AT TEMPORARY CROSSOVER
MEDIAN BARRIER

LIGHTING SHEET 47 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
TEMPORARY LIGHTING

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 11/12/04
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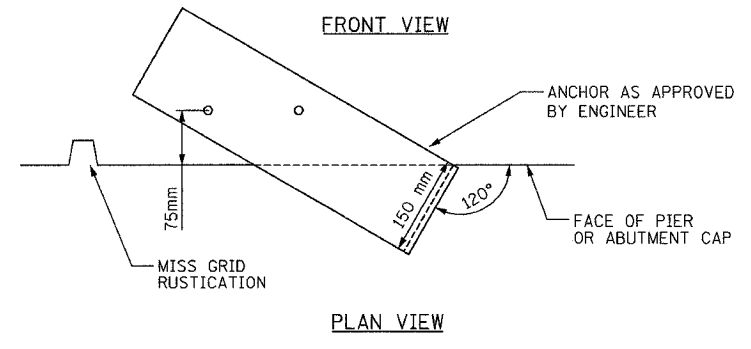
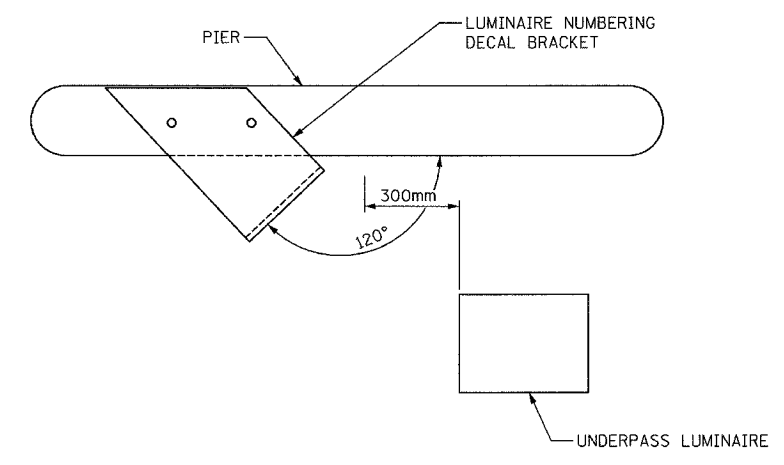
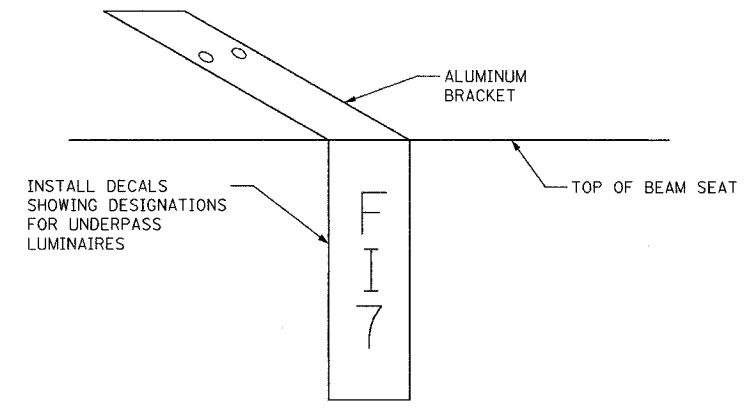
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11/12/2004

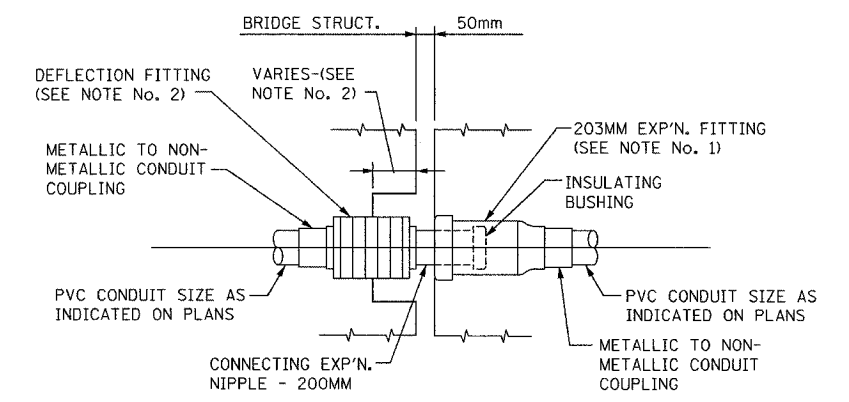
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1332
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200



UNDERPASS LUMINAIRE NUMBERING BRACKET DETAIL

UNDERPASS LUMINAIRE NUMBERING BRACKET INSTALLATION DETAIL



- NOTES:
1. THE BARREL OF THE FITTING SHALL BE FULLY EMBEDDED IN THE CONCRETE OF ONE SIDE OF THE EXPANSION JOINT.
 2. A CAVITY OPENING, IF REQUIRED, SHALL BE A 75mm LARGER DIAMETER THAN THE DEFLECTION SLEEVE DIAMETER AND A MAXIMUM DEPTH OF HALF OF THE DEFLECTION SLEEVE LENGTH. THE DEFLECTION FITTING SHALL BE CENTERED IN THE OPENING AND EMBEDDED IN THE CONCRETE ONLY UP TO THE DEFLECTION FITTING CENTER.

CONDUIT EXPANSION / DEFLECTION COUPLING DETAIL

NOTE - COST OF CONDUIT EXPANSION/DEFLECTION COUPLING IS INCLUDED IN THE PAY ITEM FOR CONDUIT.

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11/12/2004

LIGHTING SHEET 48 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		MISCELLANEOUS LIGHTING DETAILS

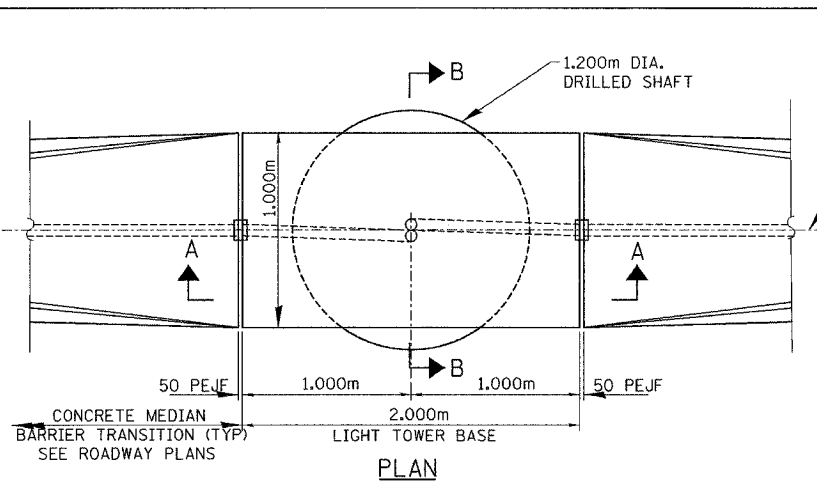
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CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 11/12/04
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CHECKED BY MKR

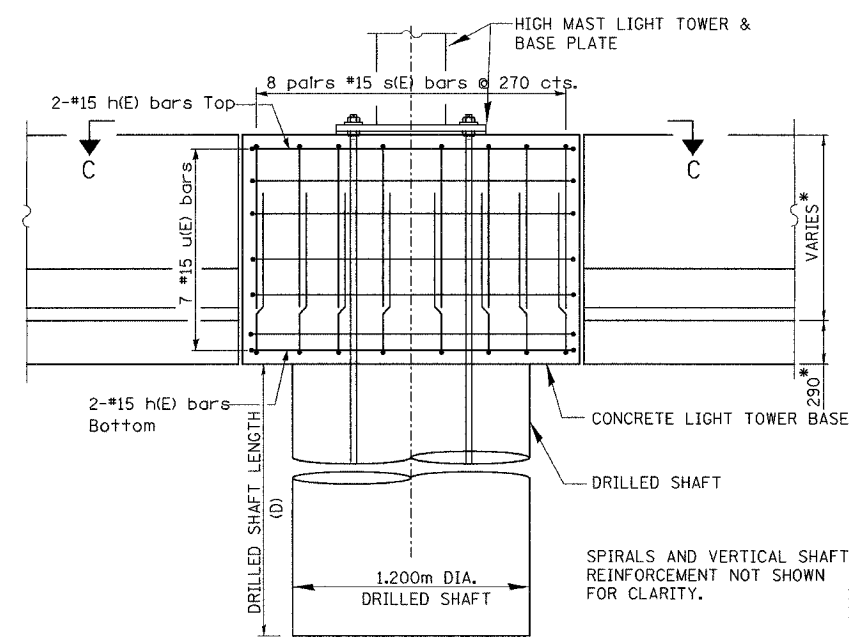
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1233
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 68200

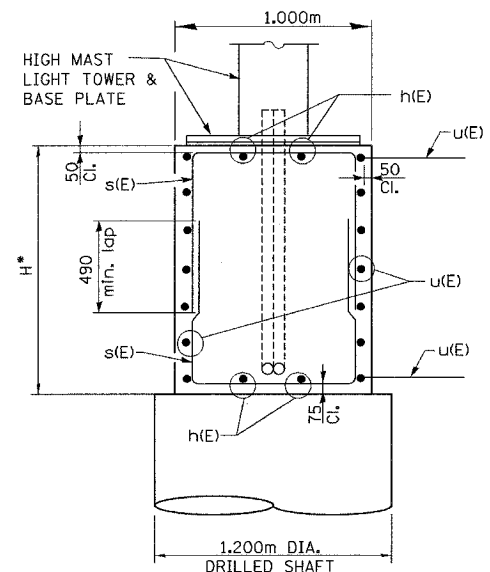
sp2(E)-#10 SPIRAL, 230 PITCH, 850 O.D.
3 LOOPS AT TOP & BOTTOM
AT 50 CTS.



PLAN

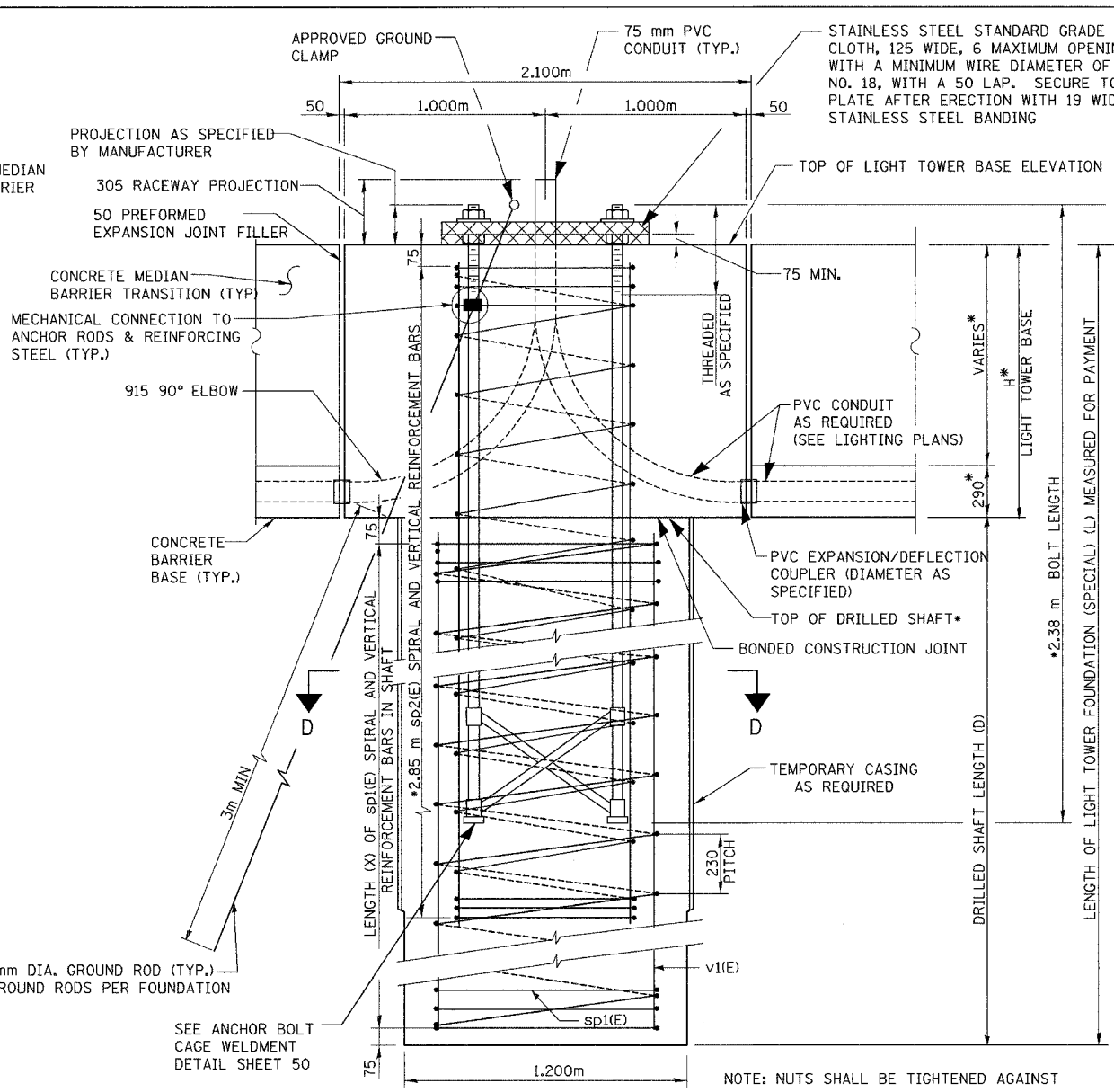


ELEVATION



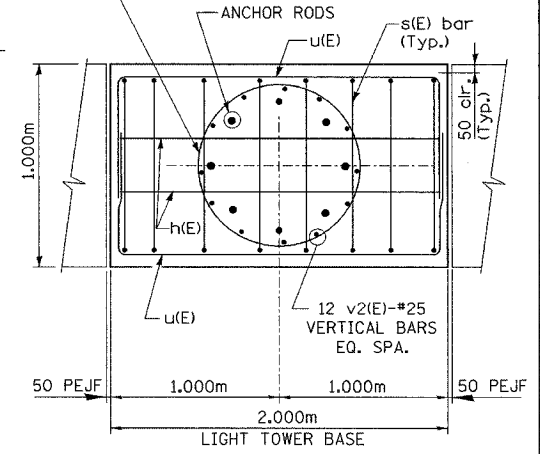
SECTION B-B

SPIRALS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN FOR CLARITY.

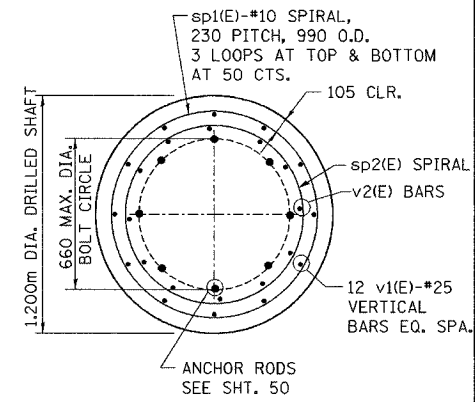


SECTION A-A

NOTE: NUTS SHALL BE TIGHTENED AGAINST THE BASE PLATE WITH 271 Nm MINIMUM TORQUE.



SECTION C-C
(For clarity base plate and PVC conduit are not shown.)



SECTION D-D

NOTES:

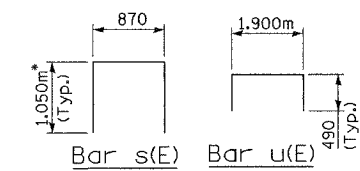
1. DIMENSIONS AND TOP OF DRILLED SHAFT ELEVATION ARE BASED ON AN ASSUMED SHOULDER SLAB THICKNESS OF 290mm AND THE HEIGHT OF THE TALLER SIDE OF THE MEDIAN BARRIER. IF ACTUAL SHOULDER THICKNESS OR BARRIER HEIGHT DIFFERS, DIMENSIONS SHOULD BE ADJUSTED AS NEEDED. SEE HEIGHT H IN TABLE.
2. THE COST OF THE CONCRETE BARRIER BASE, 50mm PREFORMED EXPANSION JOINT FILLER, MEDIAN BARRIER TRANSITION AND THE WELDED WIRE FABRIC REINFORCEMENT FOR THE BARRIER TRANSITION IS INCLUDED IN THE COST OF CONCRETE BARRIER OF THE TYPE SPECIFIED.
3. EXTEND REINFORCING FROM LIGHT TOWER BASE INTO DRILLED SHAFT. REINFORCING BARS AND SPACING SHALL BE AS SHOWN.
4. SEE FOUNDATION NOTES SHEET 52.
5. THE COST OF THE GROUND RODS AND GROUND ROD CLAMPS SHALL BE INCLUDED IN THE LIGHT TOWER FOUNDATION (SPECIAL) PAY ITEM. THREE GROUND RODS ARE REQUIRED AT EACH FOUNDATION.
6. PEJF - PREFORMED EXPANSION JOINT FILLER
7. COST OF LIGHT TOWER BASE (CONCRETE, EPOXY COATED REINFORCEMENT BARS, ANCHOR ROD ASSEMBLY, GROUND ROD, CONDUIT) IS INCLUDED WITH LIGHT TOWER FOUNDATION (SPECIAL).
8. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
9. ALL REBAR DIMENSIONS ARE OUT-TO-OUT.

HIGH MAST TOWER LOCATION			LIGHT TOWER FOUNDATION (SPECIAL) (TYPE 1 Median)						
POLE ID	STATION	BASE LINE	TOP OF LIGHT TOWER BASE ELEV.	TOP OF DRILLED SHAFT ELEVATION	HEIGHT (H) OF LIGHT TOWER BASE	DRILLED SHAFT LENGTH (D) (METERS)	LIGHT TOWER FDN. (SPECIAL) LENGTH (L) (METERS)	BORING LOG	LENGTH (X) OF SHAFT REINFORCEMENT (METERS)
4 SAB L-04	142+388.1	I-74 E.B.	205.391	203.797	1.594m	4.600	6.194	HMSB 2	4.45
6 SAB L-03	142+487.2	I-74 E.B.	204.848	203.259	1.589m	4.600	6.189	HMSB 3	4.45

BAR LIST - EACH FOUNDATION

Bar	No.	Size	Length (mm)	Shape
h(E)	4	15	1900	□
s(E)	16	15	2970	□
u(E)	14	15	2880	□
v1(E)	12	25	**	□
v2(E)	12	25	3490	□
sp1(E)	1	10	**	~
sp2(E)	1	10	46780	~

** SEE SECTION A-A AND D-D



alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION (SPECIAL)
(TYPE 1 MEDIAN)
DRAWN BY CDF
CHECKED BY RJW
DATE: 11/12/04

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4/12/04 PM

11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1234
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

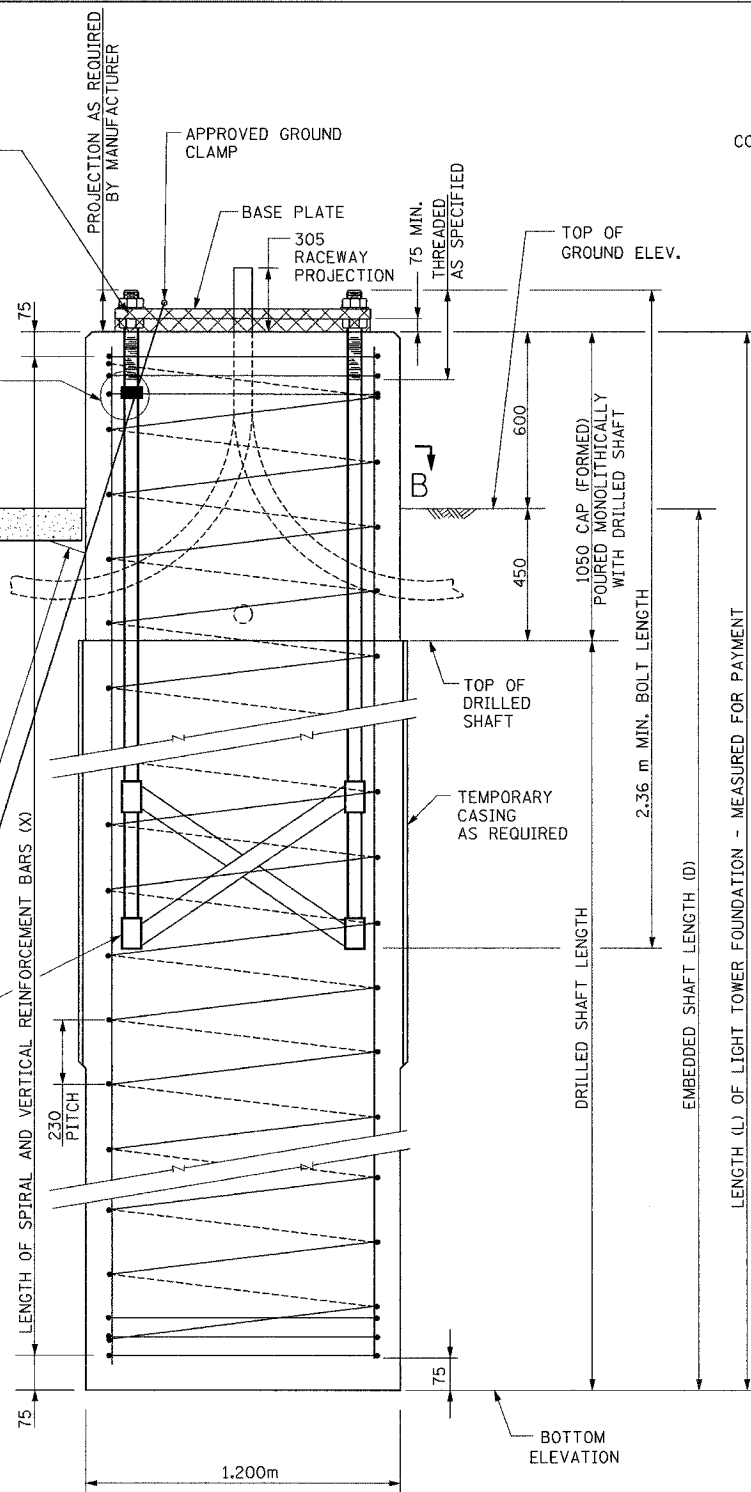
CONTRACT NO. 68200

STAINLESS STEEL STANDARD GRADE WIRE CLOTH, 125 WIDE, 6 MAXIMUM OPENING WITH A MINIMUM WIRE DIAMETER OF AWG NO. 18, WITH A 50 LAP. SECURE TO BASE PLATE AFTER ERECTION WITH 19 WIDE STAINLESS STEEL BANDING

MECHANICAL CONNECTION TO ANCHOR RODS & REINFORCING STEEL (TYP.)

16mm GROUND ROD (TYP.)
3 GROUND RODS PER FOUNDATION

SEE ANCHOR BOLT CAGE WELDMENT
DETAIL SHEET 52

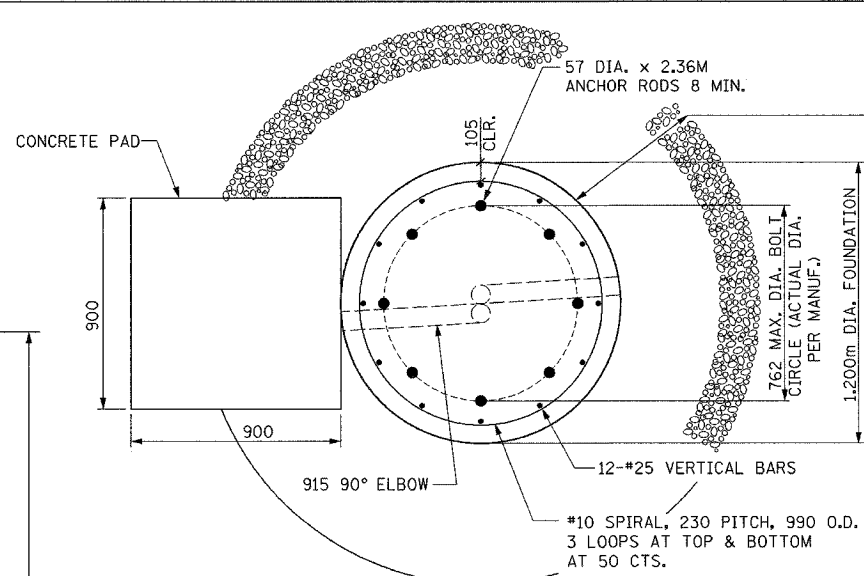


NOTE: NUTS SHALL BE TIGHTENED AGAINST THE BASE PLATE WITH 271 Nm MINIMUM TORQUE.

FOUNDATION ELEVATION

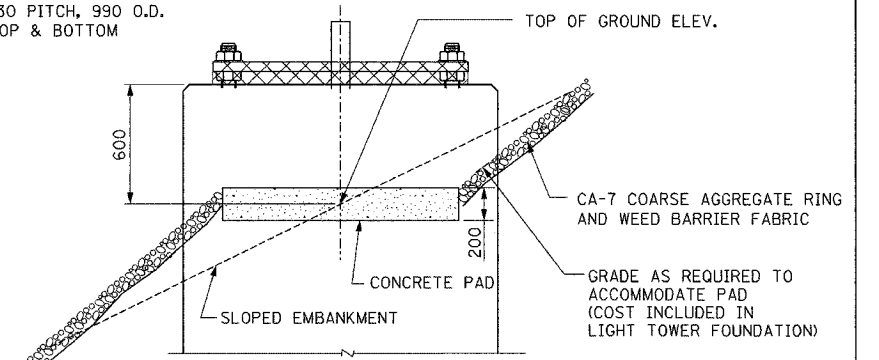
NOTES:

1. FOR DRILLED SHAFT SCHEDULE, SEE SHEET 51.
2. SEE FOUNDATION NOTES SHEET 52
3. THE COST OF THE GROUND RODS AND GROUND ROD CLAMPS SHALL BE INCLUDED IN THE LIGHT TOWER FOUNDATION PAY ITEM. THREE GROUND RODS ARE REQUIRED AT EACH LOCATION.



SECTION B-B

600 WIDE X 100 DEEP CA-7 COARSE AGGREGATE RING AND WEED BARRIER FABRIC. COST INCLUDED IN LIGHT TOWER FOUNDATION.



FOUNDATION ELEVATION SLOPED CONDITION

LIGHTING SHEET 50 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
(TYPE 2 IN-FIELD)

DRAWN BY CDF
CHECKED BY RJW

DATE: 11/12/04



alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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4/13/00 PM

11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3	PEORIA	1360	1235
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LIGHT TOWER FOUNDATION (TYPE 2 IN-FIELD)

POLE ID	HIGH MAST TOWER LOCATION			THEORETICAL TOP OF GROUND ELEV.	EMBEDDED SHAFT LENGTH (D) (METERS)	TOWER FDN. LENGTH (L) (METERS)	BORING LOG	LENGTH (X) OF REINF. (METERS)
	STATION	OFFSET	BASE LINE					
4 WEF L-01	143+938.6	40.3R	I-74 E.B.	185.060	9.800	10.400	n/a	10.250
8 JCD L-04	39+716.0	35L	War Mem.	192.096	4.900	5.500	HMSB 110	5.350
4 JCD L-05	39+807.0	31R	War Mem.	195.954	4.900	5.500	HMSB 111	5.350
4 JAB L-02	40+000.0	27R	War Mem.	195.432	4.900	5.500	HMSB 112	5.350
6 JCD L-02	39+864.0	107L	War Mem.	193.548	6.900	7.500	HMSB 113	7.350
6 JAB L-01	39+898.0	26L	War Mem.	192.301	6.800	7.400	11 (culvert)	7.250
4 JCD L-01	40+012.0	72L	War Mem.	195.946	4.900	5.500	HMSB 115	5.350
4 JCD L-03	39+953.0	166L	War Mem.	197.040	4.900	5.500	HMSB 116	5.350
4 JEF L-01	40+123.0	23L	War Mem.	195.833	4.900	5.500	HMSB 117	5.350
4 JAB L-03	40+145.0	53R	War Mem.	198.231	4.900	5.500	HMSB 118	5.350
8 JGH L-02	143+420.7	237.7L	I-74 E.B.	195.078	5.200	5.800	HMSB 119	5.650
4 JEF L-02	40+266.0	23L	War Mem.	194.247	4.900	5.500	HMSB 120	5.350
6 JGH L-01	40+208.0	24R	War Mem.	192.900	5.600	6.200	HMSB 121	6.050
6 JEF L-03	40+276.0	27R	War Mem.	191.121	6.100	6.700	HMSB 122	6.550
6 JEF L-04	143+474.4	213L	I-74 E.B.	192.602	5.500	6.100	HMSB 123	5.950
6 JEF L-05	143+527.2	117.4L	I-74 E.B.	193.207	6.000	6.600	HMSB 124	6.450
8 JGH L-03	143+461.1	106L	I-74 E.B.	192.523	4.900	5.500	HMSB 125	5.350
6 SHI L-05	143+415.0	28L	I-74 E.B.	193.314	6.200	6.800	HMSB 125	6.650
8 JGH L-04	143+504.0	44L	I-74 E.B.	191.760	4.900	5.500	HMSB 126	5.350
8 WCD L-02	143+581.5	50L	I-74 E.B.	192.583	5.900	6.500	HMSB 127	6.350
4 WCD L-01	143+704.0	55L	I-74 E.B.	189.325	4.900	5.500	HMSB 128	5.350
4 WEF L-05	143+639.4	65.2R	I-74 E.B.	193.872	4.900	5.500	HMSB 129	5.350
4 WEF L-04	143+741.7	149.2R	I-74 E.B.	191.534	4.900	5.500	HMSB 130	5.350
4 WEF L-03	143+868.3	218R	I-74 E.B.	183.282	4.900	5.500	HMSB 131	5.350
8 WEF L-02	143+989.7	110.6R	I-74 E.B.	184.742	5.800	6.400	HMSB 132	6.250
4 WEF L-06	144+092.0	63R	I-74 E.B.	182.036	4.900	5.500	HMSB 133	5.350
5 SHI L-01	142+902.6	29.4L	I-74 E.B.	198.602	7.000	7.600	ML-18A	7.450
5 SHI L-02	143+067.5	27L	I-74 E.B.	194.930	6.800	7.400	HMSB 7	7.250
5 SHI L-03	143+206.0	32.5L	I-74 E.B.	197.333	9.100	9.700	RWA 3S-13	9.550
6 SHI L-04	143+290.0	32L	I-74 E.B.	195.776	9.100	9.700	RWA 3N-6	9.550
5 GCD L-01	145+554.2	66.6L	I-74 E.B.	174.467	4.900	5.500	HMSB 34	5.350
5 GCD L-02	145+715.2	57.6L	I-74 E.B.	170.275	5.900	6.500	HMSB 36	6.350

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LIGHTING SHEET 51 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
(TYPE 2 IN-FIELD)

DRAWN BY CDF
CHECKED BY RJW

DATE: 11/12/04

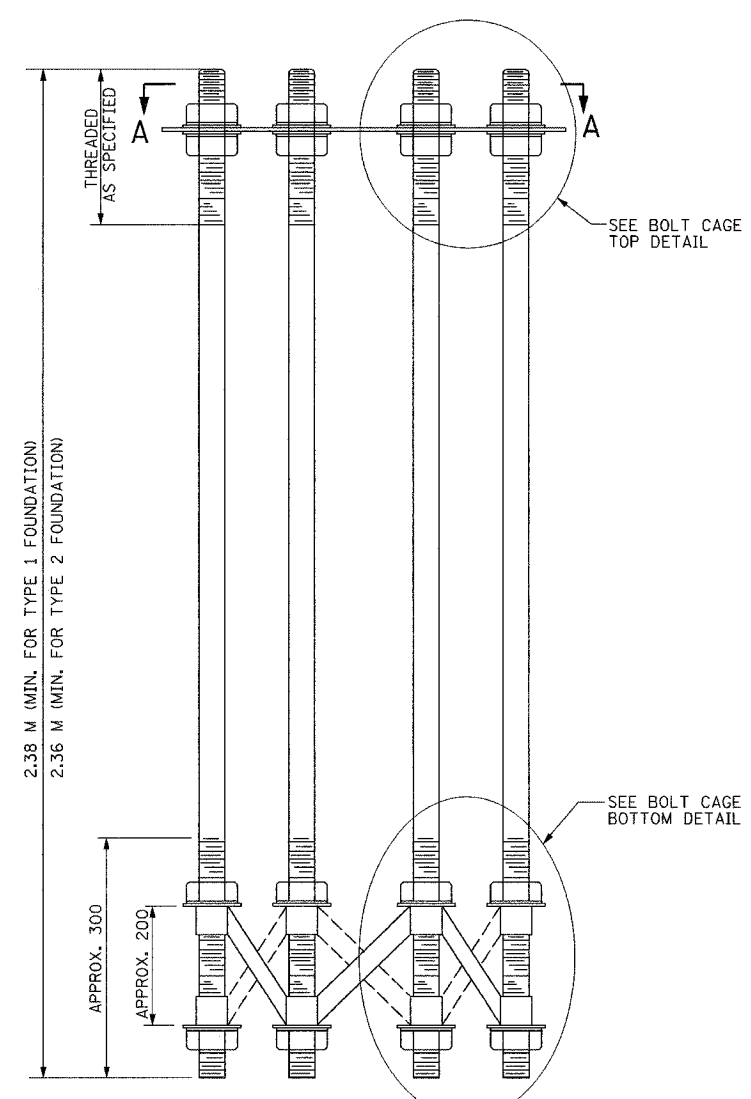
 **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	13	1236
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

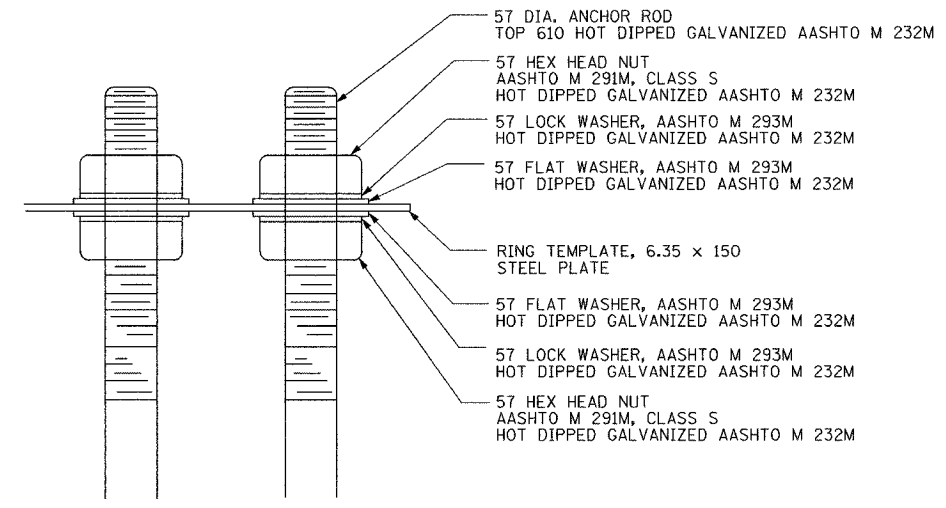
CONTRACT NO. 68200

FOUNDATION NOTES

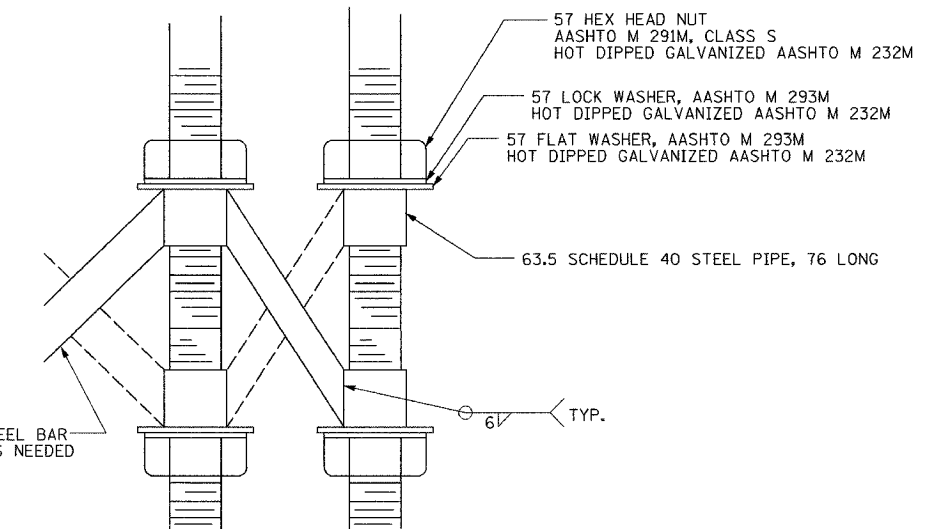
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.
2. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO AASHTO M 314M OR ASTM F1554, GRADE 725 AND GALVANIZED ACCORDING TO ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS.
3. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED WITH TOWER MANUFACTURER'S REQUIREMENTS.
4. THE ANCHOR BOLTS SHALL BE VERTICAL. NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION HAS BEEN PLACED.
5. THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
6. SPLICES FOR SPIRAL REINFORCEMENT SHALL BE LAP SPLICED 600 MM.
7. TOP OF GROUND ELEVATIONS, LENGTHS, AND REINFORCEMENT LENGTHS ARE BASED ON THE SOIL BORINGS. IF OTHER SOIL CONDITIONS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED AND THE FOUNDATION CONSTRUCTED AS DIRECTED BY THE ENGINEER. IN GENERAL, FOR A UNIFORM LAYER OF SAND OR STIFF CLAY ($Q_u > 145 \text{ kPa}$), MINIMUM SHAFT EMBEDDED = 4.9 m, FOR A UNIFORM LAYER OF MEDIUM CLAY ($36 \text{ kPa} < Q_u < 145 \text{ kPa}$), MINIMUM SHAFT EMBEDDED = 6.7 m, AND FOR A UNIFORM LAYER OF SOFT CLAY ($Q_u < 36 \text{ kPa}$), MINIMUM SHAFT EMBEDDED = 9.8 m.
8. ANCHOR BOLT, ANCHOR BOLT CAGE, AND RING TEMPLATE DIMENSIONS SHALL BE VERIFIED WITH THE POLE MANUFACTURER.
9. THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS.
10. REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31M, M 42M, OR M 53M GRADE 400.
11. TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.



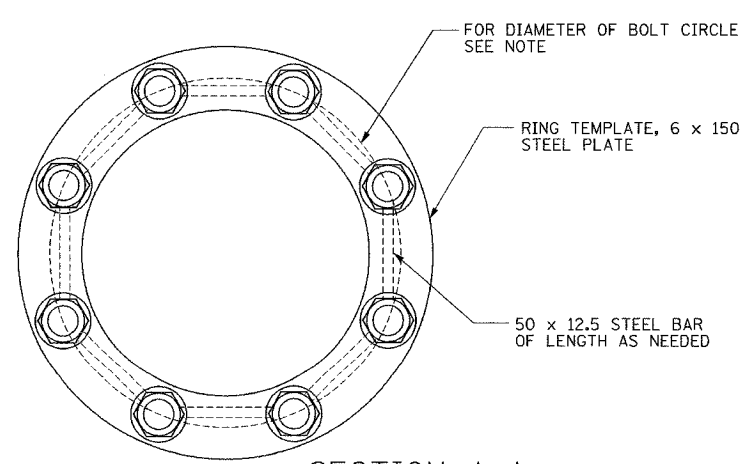
ANCHOR BOLT CAGE



BOLT CAGE TOP



BOLT CAGE BOTTOM



SECTION A-A

NOTE: CONTRACTOR SHALL VERIFY AND FULLY COORDINATE THE PROPOSED FOUNDATION'S ANCHOR BOLT SIZE, LENGTH, AND CIRCLE DIAMETER WITH THE HIGH MAST TOWER MANUFACTURER'S ANCHOR BOLT CIRCLE.

LIGHTING SHEET 52 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHT TOWER FOUNDATION NOTES
 AND ANCHOR BOLT DETAILS
 DRAWN BY JSS
 CHECKED BY WJZ/CFD
 DATE: 11/12/04

ab alfred benesch & company
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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 11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1337
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265/ASTM D 2216 for bedrock.



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 7/31/01

ROUTE FAI-74 DESCRIPTION Prop. culvert under War Memorial Dr. LOGGED BY KRW
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SW1/4,SE1/4,SE1/4,RICHMONDSTWP, SEC. 19, TWP. 9N, RNG. 8E, 4th PM
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S	U C S	M O I S T
BORING NO. <u>11 (culvert)</u> Station <u>100+847.3</u> Offset <u>29.78m Lt.</u> Ground Surface Elev. <u>190.66</u> m					Groundwater Elev.: First Encounter <u>187.0</u> m Upon Completion <u>187.6</u> m After 24 Hrs. <u>190.1</u> m				
No Sample Taken 0.0m-0.3m (0.0'-1.0')					Gray SAND and GRAVEL w/trace of clay (continued)				
Brown SILTY LOAM 190.35	5				Gray CLAY LOAM TILL 184.26				
	3								
	4								
Brown/Gray SAND and GRAVEL 189.59	2								
	1								
	2								
Gray SILTY LOAM 188.83	2								
	4								
	8								
Gray CLAY LOAM TILL 188.07	3								
	5								
	8								
	1								
	4								
	7								
Gray SILTY CLAY LOAM w/sand 185.78	4								
	6								
	7								
Gray SAND and GRAVEL w/trace of clay 185.02	7								
	11								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 8/3/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DLR
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC. TWP. RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S	U C S	M O I S T
BORING NO. <u>HMSB-02</u> Station <u>142+388</u> Offset <u>1.00m Lt of EB BL</u> Ground Surface Elev. <u>203.41</u> m					Groundwater Elev.: First Encounter <u>198.6</u> m Upon Completion <u>none</u> m After 24 Hrs. <u>not taken</u> m				
No Sample Taken									
Brown CLAY LOAM TILL 203.11	3								
	3								
	4								
	1								
	3								
	5								
Gray CLAY LOAM TILL 201.89	3								
	8								
	13								
	2								
	3								
	5								
	1								
	4								
	5								
Gray SILT 199.90	3								
	4								
	8								
End of Boring 198.84	4								
	6								
	12								
	6								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 8/3/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DLR
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION SEC. TWP. RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O W S	U C S	M O I S T
BORING NO. <u>HMSB-03</u> Station <u>142+488</u> Offset <u>On EB BL</u> Ground Surface Elev. <u>202.47</u> m					Groundwater Elev.: First Encounter <u>198.7</u> m Upon Completion <u>none</u> m After 24 Hrs. <u>not taken</u> m				
No Sample Taken									
Gray CLAY LOAM TILL 202.17	3								
	5								
	6								
	2								
	5								
	6								
	2								
	2								
	4								
	1								
	3								
	4								
	1								
	3								
	4								
	1								
	3								
	5								
End of Boring 197.90	4								
	6								
	6								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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11/12/2004

LIGHTING SHEET 53 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION
SOIL BORINGS
DRAWN BY CDF
CHECKED BY WJZ
DATE: 11/12/04

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1333
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist. % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/23/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOIST. (%)	Surface Water Elev. _____ m		Stream Bed Elev. _____ m		Groundwater Elev.:	
				First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	not taken _____ m		
194.27	3	257	14						
194.27	4	257	14						
194.27	5	B							
193.61	4	296	13						
193.61	8	B							
	2								
	4	217	14						
	7	B							
	2								
	5	296	14						
	6	B							
	1								
	3	158	14						
	5	B							
	2								
	4	257	13						
	6	B							
	2								
	5	277	14						
	11	B							
189.24									
End of Boring									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 9/24/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOIST. (%)	Surface Water Elev. _____ m		Stream Bed Elev. _____ m		Groundwater Elev.:	
				First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	not taken _____ m		
195.35	4								
195.35	6	168	13.8						
195.35	7	P							
194.59	3								
194.59	4								
194.59	5								
	4								
	9								
181.50	5	513	14.0						
181.50	12	B	7.7						
181.50	13								
192.91	5								
192.91	7	359	12.0						
192.91	8	P							
	4								
	7	292	11.4						
	9	S							
	4								
	7	335	12.3						
	11	P							
	3								
	9	311	12.6						
	12	P							
190.02	4								
190.02	7	313	13.8						
190.02	7								
	6								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/8/02

ROUTE FAI-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DBR

SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

DEPTH (m)	BLOW COUNT	UCS (kPa)	MOIST. (%)	Surface Water Elev. _____ m		Stream Bed Elev. _____ m		Groundwater Elev.:	
				First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	not taken _____ m		
174.20	5								
174.20	4								
174.20	3								
173.44	3								
173.44	6	522	10.9						
173.44	7	S							
	3								
	4	296	12.2						
	6	S							
171.92	4								
171.92	12	240	9.9						
171.92	13	P							
	3								
	5	72	12.3						
	6	P							
170.39	3								
170.39	6	553	10.2						
170.39	8	B							
	4								
	7	395	13.9						
	12	B							
168.87	5								
168.87	4								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 54 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

DRAWN BY CDF
CHECKED BY WJZ

DATE: 11/12/04

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1389
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLGWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist. % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 6/3/02

ROUTE FAL-74 DESCRIPTION High Mast Light Pole Foundation LOGGED BY DBR

SECTION 72-6.7,8,9-1.90-11.90-12.13,14 LOCATION SEC. TWP. RING.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	DEPTH H	BLOW S	U S	M S	Surface Water Elev. m	Stream Bed Elev. m	Groundwater Elev.: First Encounter Upon Completion After 24 Hrs.	D E P T H S	B L O W S	U S	M S	MOISTURE %
							166.3 m		5	415	13	
							158.4 m		6	B		
	189.59	2							3			
		5	197	19					6	454	12	
		3	B						10	B		
	188.83	3							3			
		7		15					6	237	13	
		10							10	B		
	188.07	4							2			
		5	158	14					7			
		5	B						3			
	167.30	1	59	15					3			
	167.15	7	230	10					3	182	16.9	
		8							5	B		
	166.54	5							2			
		10		13					4	376	15.1	
		7							6	B		
	165.78	2							2			
		3	99	22					4	335	14.9	
		4	B						6	B		
		2							2			
		2	39	14					5		10.1	
		3	B						10			
	164.26	4							6		12.3	
		8							6			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 9/24/03

ROUTE FAL-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES

SECTION 72-6.7,8,9-1.90-11.90-12.13,14 LOCATION SEC. TWP. RING.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	DEPTH H	BLOW S	U S	M S	Surface Water Elev. m	Stream Bed Elev. m	Groundwater Elev.: First Encounter Upon Completion After 24 Hrs.	D E P T H S	B L O W S	U S	M S	MOISTURE %
							191.6 m		6	296	13.5	
							192.1 m		5	B		
							192.1 m		5	217	14.8	
							192.1 m		8	B		
	196.16	4		20.1					2			
		4	192	20.1					5	P		
		5							2			
		4	474	17.8					4	474	17.8	
		5	B						5	B		
	188.84	2							2			
		5	493	14.0					7	S		
		7							3			
		3							3	182	16.9	
		5	B						5	B		
	192.35	2							2			
		4	335	14.9					4	335	14.9	
		6	B						6	B		
	191.59	2							2			
		5		10.1					5		10.1	
		10							10			
	190.67	6		12.3					6		12.3	
		6							6			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 9/29/03

ROUTE FAL-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JAR,JES

SECTION 72-6.7,8,9-1.90-11.90-12.13,14 LOCATION SEC. TWP. RING.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	DEPTH H	BLOW S	U S	M S	Surface Water Elev. m	Stream Bed Elev. m	Groundwater Elev.: First Encounter Upon Completion After 24 Hrs.	D E P T H S	B L O W S	U S	M S	MOISTURE %
							none		8	B		
							none		4			
							none		10	564	11.3	
							none		13	B		
							none		4			
							none		7	292	11.7	
							none		11	B		
	184.89	1							1			
		4	398	13.0					6	B		
		2							2			
		5	316	13.0					6	B		
		6							2			
		4	137	13.8					6	B		
	190.68	2							2			
		6	158	12.1					6	B		
		2							2			
		5	251	13.5					6	B		
		6							2			
		6	316	12.4					6	B		
		6							6			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 55 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION
SOIL BORINGS

DRAWN BY CDF
CHECKED BY WJZ

DATE: 11/12/04

alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1340
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 1
Date 9/15/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-111 Station 39+813
Offset 31.00m RT BL. Wor. Man. Ground Surface Elev. 195.84 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description	DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description
195.39	642.7	3			NO SAMPLE TAKEN	195.59	642.7	4	277	13.5	Brown & Gray CLAY LOAM TILL (continued)
		11	383	9.5	Brown CLAY LOAM w/traces of gravel			7			** hole collapsed upon completion @ 5.39m End of Boring
		2						4	277	12.0	
		6	277	12.0				8			
		37						37			
		2			2" Sand seam			2			
		3	334	13.4				3	334	13.4	
		6						6			
		1						1			
		3	209	14.2				3	209	14.2	
		6						6			
		2						2			
		3	434	13.9				3	434	13.9	
		6						6			
		2			Brown & Gray CLAY LOAM TILL			2			
		4	376	13.7				4	376	13.7	
		8						8			
		2						2			
		5	334	13.2				5	334	13.2	
		7						7			
		1						1			
		5						5			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 1
Date 9/24/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-112 Station 142+260
Offset 362.00m Lt. EB BL. Ground Surface Elev. 195.15 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description	DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description
194.84	640.9	3			no sample taken	194.84	640.9	6			Gray CLAY LOAM TILL (continued)
		4	355	14.4	Brown CLAY LOAM TILL			3	197	14.7	
		6						5			
		2						2			
		5	277	14.4				3			
		8						4	197	13.7	
		187						5			
		2			Gray CLAY LOAM TILL			2			** hole collapsed upon completion @ 6.86m End of Boring
		3	197	13.3				4			
		4						4			
		1			3" sand seam			1			
		3	237	13.6				3	237	13.6	
		4						4			
		2						2			
		4	316	13.3				4	316	13.3	
		6						6			
		2						2			
		4	335	13.3				4	335	13.3	
		5						5			
		2						2			
		4	277	14.6				4	277	14.6	
		6						6			
		7						7			
		5	257	13.2				5	257	13.2	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG
Page 1 of 1
Date 9/24/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-113 Station 143+214
Offset 540.03m Lt. EB BL. Ground Surface Elev. 191.19 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description	DEPTH (m)	DEPTH (ft)	BLOW COUNT	UCS (kPa)	UCS (%)	Description
190.74	627.5	1			no sample taken	190.74	627.5	4	395	13.0	Brown & Gray/Gray CLAY LOAM TILL (continued)
		2	158	14.7	Brown & Gray CLAY LOAM			3			
		3						5	376	12.9	
		8						8			
		2						2			
		4	553	11.3	Brown & Gray/Gray CLAY LOAM TILL			5	296	13.0	
		5						7			** hole collapsed upon completion @ 7.01m End of Boring
		2						2			
		4	493	12.4				4	493	12.4	
		9						9			
		2						2			
		4	316	12.3				4	316	12.3	
		6			3" sand seam			6			
		3	376	13.4				3	376	13.4	
		6						6			
		2						2			
		4	316	12.3				4	316	12.3	
		6						6			
		2						2			
		4	376	12.4				4	376	12.4	
		6						6			
		2						2			
		4	355	12.9				4	355	12.9	
		6						6			
		2						2			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 56 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION
SOIL BORINGS
DRAWN BY CDJ
CHECKED BY WJZ
DATE: 11/12/04

ab alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1241
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist. % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/24/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
 SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.
 COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
 BORING NO. HMSB-115 Station 143+297
 Offset 448.00m LT EB BL
 Ground Surface Elev. 196.45 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	BLWS/150mm	UCS (kPa)	MOIST. (%)	UCS (kPa)	MOIST. (%)
0	0	Surface Water Elev. _____ m					
0	0	Stream Bed Elev. _____ m					
0	0	Groundwater Elev.: _____ m					
		First Encounter _____ m					
		Upon Completion _____ m					
		After 24 Hrs. _____ m					
196.45	648	Gray CLAY LOAM TILL (continued)	4	217	14.9		
195.99	642	Brown Coarse SAND & GRAVEL	3			4.3	
195.23	633	Brown Medium SAND	3			7.9	
194.47	639	Gray CLAY LOAM TILL	2				
193.82	638	1" sand seam	2				

** hole collapsed upon completion @ 6.8m
 24 hrs hole collapsed @ 5.88m
 End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/16/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
 SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.
 COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
 BORING NO. HMSB-116 Station 143+283
 Offset 559.79m LT EB BL
 Ground Surface Elev. 199.31 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	BLWS/150mm	UCS (kPa)	MOIST. (%)	UCS (kPa)	MOIST. (%)
199.31	654	NO SAMPLE TAKEN					
198.85	650	Brown & Gray SILTY LOAM	3				
196.56	645	Brown Fine SAND w/gravel through out	8				
193.82	638	** hole collapsed upon completion @ 3.2m deep End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/22/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
 SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.
 COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
 BORING NO. HMSB-117 Station 143+361
 Offset 374.54m LT EB BL
 Ground Surface Elev. 197.98 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	BLWS/150mm	UCS (kPa)	MOIST. (%)	UCS (kPa)	MOIST. (%)
197.98	649	no sample taken					
197.68	648	Brown CLAY LOAM	6				
196.15	644	Brown & Gray SILTY LOAM	3				
195.39	641	Brown Coarse SAND & GRAVEL	3				
193.87	637	Gray CLAY LOAM TILL	3				
193.22	634	sand seam	2				

** hole collapsed upon completion @ 6.46m deep
 End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 57 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHT TOWER FOUNDATION
 SOIL BORINGS

DRAWN BY CDF
 CHECKED BY WJZ
 DATE: 11/12/04

ab **alfred benesch & company**
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1365	1242
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLQWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/17/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES

SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____

BORING NO. HMSB-118 Station 143+36.1
 Offset 286.32m LT EB BL
 Ground Surface Elev. 197.52 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	SPT VALUE	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)	MOISTURE (%)	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)
197.21	647	3	287	B	13.3					
196.45	645	2	272	S	22.3					
195.69	643	1	134	B	24.2					
194.62	641	2	120	P	13.3					
194.17	639	2	316	B	15.0					
		3	395	B	14.0					
		8	296	B	13.8					

NO SAMPLE TAKEN

Gray CLAY LOAM TILL (continued)

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/26/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JAR,DLR

SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____

BORING NO. HMSB-119 Station 10+500.3
 Offset 20.60m RT. of R-3 BL
 Ground Surface Elev. 198.39 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	SPT VALUE	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)	MOISTURE (%)	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)
198.24	650	2	120	P	14.9					
197.18	647	2	24	P	22.6					
190.62	627	3	96	P	21.3					
190.16	625	6	166	B	15.8					
189.90	626	2	126	B	15.3					
189.24	624	4	296	S	19.4					
188.70	622	6	197	B	16.1					
188.20	620	2	158	B	27.0					

NO SAMPLE TAKEN

Brown & Gray Mottled SILTY CLAY LOAM (continued)

thin v. soft seam @ 6.4m

Brown Coarse SAND & GRAVEL

Gray & Brown CLAY LOAM

Brown CLAY TILL
 4" silt seam

End of Boring

organic silty loam seam 5m

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation SOIL BORING LOG Page 1 of 1
 Date 9/16/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES

SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.

COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____

BORING NO. HMSB-120 Station 143+468
 Offset 331.00m LT EB BL
 Ground Surface Elev. 194.04 m

DEPTH (m)	DEPTH (ft)	BLOW COUNT	SPT VALUE	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)	MOISTURE (%)	UCS FAILURE MODE	UNSATURATED MOISTURE (%)	UNSATURATED UCS (kPa)
193.58	637	4	335	P	12.1					
192.97	635	2	263	P	22.0					
192.21	631	2	144	P	15.4					
191.44	628	4	7		6.1					
189.01	623	4	355	S	21.4					
188.70	622	9	18.3		18.3					

NO SAMPLE TAKEN

Brown SILTY CLAY

Brown CLAY LOAM

Brown SANDY CLAY LOAM

Brown Fine SAND

Brown SANDY CLAY LOAM

*** hole collapsed upon completion @ 2.7m

End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 58 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT TOWER FOUNDATION SOIL BORINGS

DATE: 11/12/04

DRAWN BY CDJ
 CHECKED BY WJZ

ab alfred benesch & company
 CONSULTING ENGINEERS
 205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1243
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist, % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG Page 1 of 1
Date 9/18/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY DLR, JR.
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-121 Station 143+416
Offset 297.48m LT FB BL
Ground Surface Elev. 194.23 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	U (blows/150mm)	S (%)	MOISTURE (%)	UCS (kPa)	FAILURE MODE
193.93	2	Brown & Gray Mottled SILTY CLAY LOAM	144	25.7			
192.41	1	Brown COARSE SAND & GRAVEL	59	24.9			
191.49	2	Gray CLAY LOAM TILL W/trace of gravel @ 25'	335	15.4			
189.11	5	Brown Coarse SAND & GRAVEL	355	12.6			
187.69	3	Gray CLAY LOAM TILL	316	13.1			

Surface Water Elev. _____ m
Stream Bed Elev. _____ m
Groundwater Elev.:
First Encounter 191.8 m
Upon Completion 188.0 m
After 24 Hrs. 191.7 m

NO SAMPLE TAKEN

Gray CLAY LOAM TILL
W/trace of gravel @ 25' (continued)

186.61
**after 24 hrs. hole collapsed @ 2.74m
End of Boring

185.07
**hole collapsed upon completion @ 3.8m
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG Page 1 of 1
Date 9/18/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY DLR, JR.
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-122 Station 40+276
Offset 27.00m RT OF War Dr. BL
Ground Surface Elev. 193.00 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	U (blows/150mm)	S (%)	MOISTURE (%)	UCS (kPa)	FAILURE MODE
192.39	2	Lt. Gray & Lt. Brown SILTY LOAM	144	15.5			
192.08	4	Lt. Gray & Lt. Brown SILTY CLAY	103	26.8			
190.87	1	Lt. Gray & Lt. Brown SILTY CLAY LOAM	67	27.5			
189.11	5	Brown Coarse SAND & GRAVEL	119	23.0			
187.69	3	Gray CLAY LOAM TILL	237	15.9			

Surface Water Elev. _____ m
Stream Bed Elev. _____ m
Groundwater Elev.:
First Encounter 189.1 m
Upon Completion 189.3 m
After 24 Hrs. 189.4 m

NO SAMPLE TAKEN

Gray CLAY LOAM TILL (continued)

185.07
**hole collapsed upon completion @ 3.8m
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG Page 1 of 1
Date 9/19/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-123 Station 143+471
Offset 214.50m LT FB BL
Ground Surface Elev. 194.23 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	U (blows/150mm)	S (%)	MOISTURE (%)	UCS (kPa)	FAILURE MODE
193.78	3	Brown CLAY LOAM	240	13.2			
193.01	2	Gray SILTY LOAM	96	12.8			
192.25	2	Brown & Gray CLAY LOAM	237	25.3			
190.73	1	Brown Coarse SAND W/gravel	75	35.8			
189.20	2	Gray CLAY LOAM TILL	257	15.3			

Surface Water Elev. _____ m
Stream Bed Elev. _____ m
Groundwater Elev.:
First Encounter 190.6 m
Upon Completion 190.7 m
After 24 Hrs. 191.1 m

NO SAMPLE TAKEN

Gray CLAY LOAM TILL (continued)

186.46
**hole collapsed upon completion @ 3.8m
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 59 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION
SOIL BORINGS

DRAWN BY CDF
CHECKED BY WJZ
DATE: 11/12/04

ab alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1244
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist. % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265 standard specification and AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG Page 1 of 1
Date 9/22/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-124 Station 10+922
Offset 21.03m RT of B-1 BL
Ground Surface Elev. 195.70 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	TEST RESULTS	UNITS
13.3	43.6	Brown Coarse SAND & GRAVEL (continued)	13	13.3
15	49.2			
195.24	633.0	Brown SILTY CLAY LOAM	2, 4, 7	168, 13.9
194.48	637.8	Brown & Gray CLAY LOAM	2, 4, 6	355, 25.6
187.92	616.4	** after 24 hrs. hole collapsed @ 3.7m End of Boring	2, 4	158, 29.3
192.19	627.1	Brown & Gray SILTY CLAY	1, 2	75, 25.1
190.67	625.3	Gray SILTY LOAM	1, 2	71, 29.7
189.91	622.8	Brown Coarse SAND & GRAVEL	5	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG Page 1 of 1
Date 9/19/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JES
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-125 Station 143+411
Offset 30.97m LT EB BL
Ground Surface Elev. 191.89 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	TEST RESULTS	UNITS
12	39.4	NO SAMPLE TAKEN		
191.58	628.3	Brown CLAY LOAM	1, 2, 3	383, 14.6
189.60	622.0	Brown Coarse SAND w/ some gravel	2, 4, 6	383, 11.6
188.53	618.4	Lt. Brown Med. SAND	2, 5, 6	4.7
187.77	615.8	Brown to Gray fine SAND	3, 5, 8	21.9
185.79	611.0	** hole collapsed upon completion @ 3.7m End of Boring	2, 4	383, 11.6

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG Page 1 of 1
Date 9/18/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY DLR, JR
SECTION 72-6.7.8.9-1.90-11.90-12.13.14 LOCATION . SEC. . TWP. . RING.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____ Station _____
BORING NO. HMSB-126 Station 143+504
Offset 43.80m LT EB BL
Ground Surface Elev. 191.00 m

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	TEST RESULTS	UNITS
7	22.8	NO SAMPLE TAKEN		
190.54	625.0	Brown SAND & GRAVEL	3, 5, 8	3.3
189.78	622.4	Lt. Brown Med. SAND	5, 9, 11	3.0
189.02	620.0	Brown Coarse SAND & GRAVEL	9, 13, 14	3.8
186.73	612.5	Brown Med. SAND	7, 10, 13	5.4
185.97	611.6	Brown Fine SAND	5, 8, 10	18.4
185.21	607.5	Brown Coarse SAND	6	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 60 OF 64

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT TOWER FOUNDATION
SOIL BORINGS
DRAWN BY CDF
CHECKED BY WJZ
DATE: 11/12/04

ab alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1247
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

LEGEND - IDOT TEST BORING LOGS

Silty Clay Loam Textural classification of soil in accordance with IDOT Triangular Chart. Q_u , kPa Unconfined compression strength of soil in kilopascals determined in accordance with AASHTO T 208 standard specification.

BLOWS/150mm Number of blows required to drive a standard soil sampling device 150 mm as conducted in accordance with AASHTO T 206 standard specification. Moist. % Natural moisture content of soil and bedrock in percent determined in accordance with AASHTO T 265/ASTM D 2216 for bedrock.

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG Page 1 of 1
Date 9/29/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JAR,JES
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. HMSB-132
Station 10+329
Offset 28.41m Lt. B-1 Bl.
Ground Surface Elev. 184.56 m

D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. _____ m		D E P T H S	B L O W S	U C S	M O I S T
				(/150 mm)	(kPa)				
no sample taken									
184.10	4			Brown Med. SAND (continued)		5			20.0
	6	431	16.0			6			
	8	P				9			16.9
183.34	3			** hole collapsed upon completion @ 3.1m End of Boring					
	5	144	7.9						
	5	P							
182.58	2			Brown Med. SAND					
	4		5.3						
	6								
181.81	4			Brown Coarse SAND					
	6		6.8						
	6								
	5		13.6						
	7								
180.29	4			Brown Med. SAND					
	7		16.7						
	10								
	3								
	6		15.2						
	8								
	1								
	6								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
1001

SOIL BORING LOG Page 1 of 1
Date 9/29/03

ROUTE FAI-74 DESCRIPTION HIGH MAST LIGHT TOWER LOGGED BY JAR,JES
SECTION 72-6,7,8,9-1,90-11,90-12,13,14 LOCATION . SEC. . TWP. . RNG.
COUNTY Peoria & Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. HMSB-133
Station 144+083
Offset 52.49m Rt. FB_RL
Ground Surface Elev. 184.77 m

D E P T H S	B L O W S	U C S	M O I S T	Surface Water Elev. _____ m		D E P T H S	B L O W S	U C S	M O I S T
				(/150 mm)	(kPa)				
no sample taken									
184.46	2			Brown SANDY CLAY LOAM					
	4	192	11.9						
	3	P							
	4		316						11.1
	5	B							
	3								
	3	144	12.3						
	3	P							
	3								
	4	316	12.0						
	6	B							
	2								
	4	277	12.1						
	6	B							
	2								
	4		173						
	5	B							
	2								
	4	217	13.4						
	6	B							
	2								
	10								
	14		7.6						
	8								
	10		7.7						
	9								
	4								
	3								
	8		7.2						
	8								
	4								
	6	354	12.9						
	6								

Gray CLAY LOAM TILL (continued)

177.55

174.10

179.13

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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LIGHTING SHEET 63 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LIGHT TOWER FOUNDATION SOIL BORINGS

DATE: 11/12/04

DRAWN BY CDF
CHECKED BY WJZ

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1348
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 68200

RSV ENGINEERING, INC.		BORING LOG		CHICAGO, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: ML-18A						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 142 + 900 WS						
LOCATION: Mainline-Westbound (Slope Stability)		OFFSET: 12m Lt						
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 197.10						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
355mm Bituminous Concrete	196.73		0.00-0.30					4
Very Stiff Gr Clay A-6			0.30-0.76	330	Auger 3 5-7	259	15	21
Very Soft Br Clay Loom A-6	195.88		1.07-1.52	432	3 3-2	19	15	24
Very Stiff to Hard Br to Gr Silty Clay Loom A-6	195.12		1.83-2.29	381	4 8-7	326	15	13
			2.59-3.05	457	5 6-7	402	15	14
			3.35-3.81	457	5 9-15	546	15	13
	192.53		4.11-4.57	457	5 10-14	546	15	10
Boring terminated at 4.6m								
REMARKS								
								#Denotes Calibrated Penetrometer Estimate
WATER	Dry	ELEV.	DURING DRILLING	∅CORE SIZE	mm	DATE:	Mar 8, 00	
WATER	m	ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Demulski	
WATER	Dry	ELEV.	AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Reed	

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3N-6						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+635						
LOCATION: Retaining Wall Ramp A-3 SN 072-8555		OFFSET: 2.0m Lt						
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 187.76						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
FILL: Br Clay Loom A-6			0.00-0.30		Auger 1 2-2	239	18	
	186.54		0.30-0.76	406	2-4	230	15	15
			1.07-1.52	381	2-4	230	15	15
Very Stiff Gr Clay Loom A-6(7)			1.83-2.29	457	5 10-12	335	15	13
			2.59-3.05	457	4 7-11	326	15	13
			3.35-3.81	457	4 7-9	259	15	13
			4.11-4.57	457	4 5-7	287	15	14
	182.58	5	4.88-5.33	457	11 18-18	536	15	12
Hard Br Silty Clay Loom A-4	182.09		5.64-6.10	457	9 15-26			9
Dense Br Sand A-1-a	180.96		6.40-6.86	457	4 12-18	488	15	13
Hard to Very Stiff Gr Clay Loom A-4			7.16-7.62	457	4 14-19	488	15	7
			7.92-8.38	457	5 10-13	412	15	13
			8.69-9.14	457	7 10-14	383	15	13
			9.45-9.91	457	4 7-10	431	15	13
			10.21-10.67	457	4 6-11	393	15	12
			10.97-11.43	457	4 7-12	412	15	13
			11.73-12.19	457	4 7-9	259	15	13
			12.50-12.95	457	5 7-10	259	15	14
			13.26-13.72	457	5 7-11	316	15	13
	173.28		14.02-14.48	457	4 7-10	326	15	14
Boring terminated at 14.5m								
REMARKS								
								#Denotes Calibrated Penetrometer Estimate
WATER	3-1m	ELEV.	184.62 DURING DRILLING	∅CORE SIZE	mm	DATE:	Apr 10, 00	
WATER	m	ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Winslow	
WATER	3.9m	ELEV.	183.95 AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Nelson	

RSV ENGINEERING, INC.		BORING LOG		SCHAUMBURG, ILLINOIS				
JOB NO: 98600	CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO: RWA3S-13						
PROJECT: Interstate Route 74 Improvements - Peoria, Illinois		STATION: 10+628						
LOCATION: Retaining Wall Ramp A-3 SN 072-8556		OFFSET: 5.3m Lt						
BORING RIG & METHOD: CME-55 w/Hollow Stem Augers		SURF ELEV: 190.84						
SOIL DESCRIPTION	ELEV.	DEPTH	SAMPLE FROM - TO	REC. mm	BLOWS/150mm	q _u kPa	STRAIN %	WATER CONTENT %
300mm P.C. Concrete	190.53		0.00-0.76					
FILL: Gr Clay Loom A-6	189.92		0.30-0.76	330	Auger 4 5-5	412	15	14
FILL: Gr to Black Silty Clay A-7-6; roots and wood fragments noted			1.07-1.52	406	1 4-4	115	15	26
			1.83-2.29	305	3 6-6	96		40
Stiff Gr to Br Clay Loom A-6	188.40		2.59-3.05	381	2 5-6	172	15	21
			3.35-3.81	406	2 4-7	172	15	19
Hard to Very Stiff Br to Gr Loom A-4	186.88		4.11-4.57	457	6 6-11	431	15	14
		5	4.88-5.33	457	6 8-11	239	15	13
Dense to Very Dense Br Sand A-1-b			5.64-6.10	457	3 5-8	220	15	13
			6.40-6.86	457	4 8-10	201	15	18
Dense Br Sand A-1-b	183.52		7.16-7.62	457	10 23-23	239	15	14
			7.92-8.38	457	18 22-34			11
Hard to Very Stiff Gr Loom A-4	182.30		8.69-9.14	457	11 16-18			29
			9.45-9.91	457	11 19-24			11
Stiff Gr Loom A-4	180.50	10	10.21-10.67	457	3 7-11	460	15	13
			10.97-11.43	457	5 8-12	316	15	14
	179.26		11.73-12.19	457	5 6-9	163	15	14
REMARKS								
								#Denotes Calibrated Penetrometer Estimate
WATER	7.6m	ELEV.	183.22 DURING DRILLING	∅CORE SIZE	mm	DATE:	Apr 6, 00	
WATER	m	ELEV.	AT COMPLETION	∅CASING LENGTH	m	DRILLER:	Winslow	
WATER	7.9m	ELEV.	182.91 AFTER 1/4 HRS.	∅CASING DIAMETER	mm	INSPECTOR:	Reed	

LIGHTING SHEET 64 OF 64

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		LIGHT TOWER FOUNDATION SOIL BORINGS
DATE: 11/12/04		DRAWN BY: CDF CHECKED BY: WJZ

ab **alfred benesch & company**
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

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11/12/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1249
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TOTAL BILL OF MATERIALS
2 - 13	BILL OF MATERIALS - REGULATORY AND WARNING SIGNS
	BILL OF MATERIALS AND DETAIL DRAWINGS - GROUND MOUNTED SIGNS
14	-REMOVALS
15	-PROPOSED
16 - 17	-DETAIL DRAWINGS
18	BILL OF MATERIALS - OVERHEAD SIGNS
19 - 39	PERMANENT SIGNING PLAN
40 - 48	GUIDE SIGN PANEL DETAILS AND REGULATORY AND WARNING SIGN DETAILS
49 - 59	OVERHEAD SIGN STRUCTURES
60 - 79	CANTILEVER SIGN STRUCTURES
80 - 82	SOIL BORING LOGS
83	SIGN SUPPORT, PARAPET MOUNTED, TYPE 1

TOTAL BILL OF MATERIALS (FOR INFORMATION ONLY)

DESCRIPTION	UNIT	TOTAL QUANTITY	BILL OF MATERIALS		
			REGULATORY AND WARNING SIGNS	GROUND MOUNTED GUIDE SIGNS	OVERHEAD GUIDE SIGNS
REINFORCEMENT BARS	KG	690		690	
SIGN PANEL - TYPE 1	SQ M	14	14		
SIGN PANEL - TYPE 2	SQ M	20	20		
SIGN PANEL - TYPE 3	SQ M	262	18	90	154
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	KG	3450		3450	
METAL POST - TYPE A	METER	8.5	8.5		
METAL POST - TYPE B	METER	17.0	17.0		
WOOD SIGN SUPPORT	METER	265.5	222.0	43.5	
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-S (1.22M X 1.37M)	METER	63.5			63.5
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (0.90M X 2.14M)	METER	22.6			22.6
CONCRETE FOUNDATIONS	CU M	11.9		11.9	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU M	64.4			64.4
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-S (0.90M X 1.68M)	METER	7.9			7.9
SIGN SUPPORT, PARAPET MOUNTED, TYPE 1	EACH	2	1	1	
REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11	11		
REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	61	50	11	
RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	7	7		
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	3			3
REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	24		24	
REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	24		24	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	6			6

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STD. NUMBER	DESCRIPTION
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
720021-01	SIGN PANELS, EXTRUDED ALUMINUM TYPE
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

LIST OF I-74 PROJECT STANDARDS

STD. NUMBER	DESCRIPTION
733002-I74	SIGN SUPPORT, PARAPET MOUNTED, TYPE 1

SIGNING SHEET 1 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>SIGNING PLAN INDEX OF SHEETS AND TOTAL BILL OF MATERIALS</p> <p>SCALE 1:500 DATE 11/15/2004</p> <p>DRAWN BY MEG CHECKED BY BCG</p>



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BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1369	1250
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 1 OF 21																			
R2-4a	I-74 EB	140+600	SPEED LIMIT 65 / 45										1200x2400	2.88			12.3		POST STAGE 3-4.2 AFTER COMPLETION OF EB I-74 RESURFACING
R2-2(MOD)	I-74 WB	141+200	SPEED LIMIT 55										1200x2800	3.36			16.0		POST STAGE 3-4.2 AFTER COMPLETION OF WB I-74 RESURFACING
	I-74 WB	141+600	MILEPOST MARKER																RETAIN
R2-4a	I-74 WB	141+700	SPEED LIMIT 65 / 45										1200x2400	2.88			12.4		POST STAGE 3-4.2 AFTER COMPLETION OF WB I-74 RESURFACING
SHEET 2 OF 21																			
	I-74 WB	142+045	SPEED LIMIT 55				1												POST STAGE 3-4.2
M3-4 M1-1	I-74 WB	142+050	WEST INTERSTATE ROUTE MARKER						750x375 900x900	0.28 0.81							5.6		POST STAGE 3-4.2
SHEET 3 OF 21 (NO SIGNS ON THIS SHEET)																			
SHEET 4 OF 21																			
W4-1R	I-74 WB	142+670	MERGE SYMBOL									1200x1200	1.44				5.6		FOR STAGE 3-4.1
	I-74 WB	142+890	WEST INTERSTATE ROUTE MARKER				1												STAGE 3-1 REUSE AS TEMP SIGN
	RAMP A-4	10+100 RT	FREEWAY EXCLUSION SIGN	(2)															
	RAMP A-3	10+885 LT	WRONG WAY	(2)															
	RAMP A-3	10+885 RT	WRONG WAY ADVANCE INTERSECTION LANE CONTROL	(2)															
SHEET 5 OF 21																			
W3-3	RAMP A-3	10+660 RT	TRAFFIC SIGNAL AHEAD SYMBOL									1200x1200	1.44				6.2		FOR STAGE 3-4.1
D10-5	RAMP B-5	11+025 RT	MILEPOST MARKER						300x900	0.27						4.1			FOR STAGE 3-4.1
	RAMP B-5	11+025 RT	MILEPOST MARKER				1												STAGE 3-1; REUSE AS TEMP SIGN
SHEET 6 OF 21																			
W4-1R	I-74 WB	143+390	MERGE SYMBOL									1200x1200	1.44				5.5		POST STAGE 3-4.2
	I-74 WB	143+442	MERGE SYMBOL				1												STAGE 3-1
W4-1R	RAMP B-5	10+795 LT	MERGE SYMBOL									1200x1200	1.44				5.5		POST STAGE 3-4.2
TOTAL THIS SHEET						1	3	0	0	1.36		5.76		9.12	4.1	0.0	69.1	0	

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 2 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1051
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 6 OF 21																			
	RAMP B-3	10+340 RT	RAMP ADVISORY SPEED																STAGE 3-1
	RAMP B-3	10+348 RT	WEST INTERSTATE ROUTE MARKER RIGHT DIAG. DIRECTIONAL ARROW																STAGE 3-1
	RAMP B-4	10+220 RT	EAST INTERSTATE ROUTE MARKER STRAIGHT DIRECTIONAL ARROW																STAGE 3-1
W1-2R W13-1	RAMP B-1	10+800 RT	CURVE SYMBOL RIGHT RAMP SPEED PLATE						900x900 600x600	0.81 0.36								1	FOR STAGE 3-4.1
W4-1R	RAMP B-1	10+880 RT	MERGE SYMBOL								1200x1200	1.44					5.5		FOR STAGE 3-4.1
	RAMP B-1	10+880 RT	MERGE SYMBOL																FOR STAGE 3-4.1
W13-3	RAMP B-2	10+765 RT	RAMP ADVISORY SPEED	(1)															FOR STAGE 3-4.1
SHEET 7 OF 21																			
W13-3	RAMP B-1	10+090 RT	RAMP ADVISORY SPEED	(1)															FOR STAGE 3-4.1
	RAMP B-2	10+430 RT	RAMP ADVISORY SPEED																STAGE 3-1
W13-3	RAMP B-2	10+550 RT	RAMP ADVISORY SPEED	(1)															FOR STAGE 3-4.1
W12-1	RAMP B-2	10+575 LT	DOUBLE SLANT ARROW						900x900	0.81							5.2		FOR STAGE 3-4.1
SHEET 8 OF 21																			
	RAMP B-4	10+497 RT	RAMP ADVISORY SPEED																STAGE 3-1
W1-2L W13-1	RAMP B-4	10+500 RT	CURVE SYMBOL LEFT RAMP SPEED PLATE						900x900 600x600	0.81 0.36							5.4		FOR STAGE 3-4.1
W1-8L	RAMP B-4	10+610 RT	CHEVRON (LEFT)						750x900	0.68							4.5		FOR STAGE 3-4.1
	RAMP B-4	10+617 RT	CHEVRON (LEFT)																STAGE 3-1
	RAMP B-4	10+655 RT	CHEVRON (LEFT)																STAGE 3-1
W1-8L	RAMP B-4	10+680 RT	CHEVRON (LEFT)						750x900	0.68							4.5		FOR STAGE 3-4.1
	RAMP B-4	10+685 RT	CHEVRON (LEFT)																STAGE 3-1
	RAMP B-4	10+720 RT	CHEVRON (LEFT)																STAGE 3-1
W1-8L	RAMP B-4	10+730 RT	CHEVRON (LEFT)						750x900	0.68							4.5		FOR STAGE 3-4.1
TOTAL THIS SHEET						4	6	0	0	5.18		1.44		0.00	0.0	0.0	29.6	1	

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 3 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

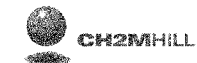
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1350	1253
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING	
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)		
SHEET 14 OF 21																				
	RAMP C-3	10+550 RT	OTB SYMBOL LEFT DIRECTIONAL ARROW	(2)																
	RAMP C-3	10+600 RT	WRONG WAY ADVANCE INTERSECTION LANE CONTROL	(2)																
	RAMP C-3	10+600 LT	WRONG WAY	(2)																
SHEET 15 OF 21																				
	RAMP C-3	10+330 LT	RAMP ADVISORY SPEED				1												STAGE 3-1	
	W13-3	RAMP C-3	RAMP ADVISORY SPEED	(1)															FOR STAGE 3-4.1	
SHEET 16 OF 21																				
	I-74 EB	146+150	RED REFLECTORIZED METAL FLAG RED REFLECTORIZED METAL FLAG REDUCED SPEED AHEAD SPEED PLATE						450x450 450x450 750x750	0.20 0.20 0.56		1200x1500	1.80				11.6		POST STAGE 3-4.2	
	R2-5a R2-1101																			
	R2-4a	I-74 WB	SPEED LIMIT 65									1200x2400	2.88				12.2		POST STAGE 3-4.2	
SHEET 17 OF 21																				
	R3-5L (MOD) R3-5b (MOD)	WAR MEMORIAL DR	38+945	ADVANCE INTERSECTION LANE CONTROL LEFT 2 LANES	(1) (1)														FOR STAGE 3-4.1	
	R3-5R R3-5b (MOD-1)	WAR MEMORIAL DR	38+955 LT	RIGHT TURN ONLY SYMBOL RIGHT LANE	(1) (1)															
	R3-5R R3-5b (MOD-1)	WAR MEMORIAL DR	38+970 RT	RIGHT TURN ONLY SYMBOL RIGHT LANE	(1) (1)														FOR STAGE 3-4.1	
	R4-7	WAR MEMORIAL DR	39+002 LT	KEEP RIGHT SYMBOL	(1)														FOR STAGE 3-4.1	
					TOTAL THIS SHEET					0	1	0	0	0.97	1.80	2.88	0.0	0.0	23.8	0

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 5 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1354
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 17 OF 21																			
R4-7 R3-5L R3-5b	WAR MEMORIAL DR	39+067	KEEP RIGHT SYMBOL LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1) (1)															FOR STAGE 3-4.1
R3-5R R3-5b(MOD-1)	WAR MEMORIAL DR	39+125 LT	RIGHT TURN ONLY SYMBOL RIGHT LANE	(1) (1)															FOR STAGE 3-4.1
	STERLING AVE	100+963 RT	RIGHT TURN ONLY SYMBOL RIGHT LANE	(2) (2)															
R4-7	STERLING AVE	100+992 LT	KEEP RIGHT SYMBOL	(1)															FOR STAGE 3-4.1
R4-7	GLEN AVE	101+054	KEEP RIGHT SYMBOL	(1)															FOR STAGE 3-1
M4-5 M1-1 M6-3	GLEN AVE	101+103 LT	TO INTERSTATE ROUTE MARKER STRAIGHT DIRECTIONAL ARROW	(1) (1) (1)															STAGE 3--1
SHEET 18 OF 21																			
R3-5L R3-5b	WAR MEMORIAL DR	39+190	LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1)															FOR STAGE 3-4.1
R3-5L R3-5b	WAR MEMORIAL DR	39+285	LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1)															FOR STAGE 3-4.1
R3-7R	WAR MEMORIAL DR	39+293 LT	RIGHT LANE MUST TURN RIGHT	(1)															FOR STAGE 3-4.1
M3-2 M1-4	WAR MEMORIAL DR	39+318 RT	EAST US ROUTE MARKER	(1) (1)															FOR STAGE 3-4.1
	WAR MEMORIAL DR	39+395	US ROUTE MARKER STRAIGHT DIRECTIONAL ARROW																STAGE 3-1 REUSE AS TEMP SIGN
	WAR MEMORIAL DR	39+395	STOP HERE ON RED LEFT TURN ONLY SYMBOL																STAGE 3-1
R4-7 R3-5L R3-5b	WAR MEMORIAL DR	39+398	KEEP RIGHT SYMBOL LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1) (1)															FOR STAGE 3-4.1
	WAR MEMORIAL DR	39+400 RT	N SCENIC DR NO TURN ON RED ARROW COUNTY ROUTE MARKER																STAGE 3-1
M7-2 D11-1 M10(MOD) D-3	WAR MEMORIAL DR	39+413 LT	STRAIGHT DIRECTIONAL ARROW BIKE ROUTE COUNTY ROUTE MARKER SCENIC DR	(1) (1) (1) (3)															POST STAGE 3-4.2
TOTAL THIS SHEET					0	3	0	0	0.00	0.00	0.00	0.0	0.0	0.0	0				

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LEGEND

- (1) BY IDOT
- (2) BY ANOTHER CONTRACT
- (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 6 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1255
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 18 OF 21																			
	WAR MEMORIAL DR	39+413 LT	BIKE ROUTE STRAIGHT DIRECTIONAL ARROW COUNTY ROUTE MARKER WAR MEMORIAL DR NO TURN ON RED ARROW SCENIC DR				1												STAGE 3-1
	WAR MEMORIAL DR	39+430 RT	SCENIC DR MERGE SYMBOL NO TURN ON RED WAR MEMORIAL WAR MEMORIAL DR				1												STAGE 3-1
R3-5L (MOD) R3-5b(MOD)	WAR MEMORIAL DR	39+448	DUAL LEFT TURN ONLY SYMBOL LEFT 2 LANES	(1) (1)															STAGE 3-4
	WAR MEMORIAL DR	39+465	DUAL LEFT TURN ONLY SYMBOL				1												STAGE 3-1
R3-5R R3-5b(MOD-1)	WAR MEMORIAL DR	39+469 LT	RIGHT TURN ONLY SYMBOL RIGHT LANE	(1) (1)															STAGE 3-4
	WAR MEMORIAL DR	39+480 LT	ADVANCE INTERSECTION LANE CONTROL NO LEFT TURN SYMBOL DO NOT ENTER				1												STAGE 3-1 REUSE AS TEMP SIGN
	SCENIC DR	10+047 LT	TO INTERSTATE ROUTE MARKER LEFT DIRECTIONAL ARROW	(2) (2) (2)															PERM SIGN TO BE REESTABLISHED.
R4-7 R3-5L R3-5b	SCENIC DR	10+094	KEEP RIGHT SYMBOL LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1)													4.8		RELOCATED FOR STAGE 3-4.1
	SCENIC DR	10+097	KEEP RIGHT SYMBOL				1												FOR STAGE 3-4.1
	SCENIC DR	10+099 LT	ADVANCE INTERSECTION LANE CONTROL				1												STAGE 3-1
	SCENIC DR	10+118 LT	BIKE ROUTE LEFT DIRECTIONAL ARROW				1												STAGE 3-1
D11-1 M7-1L	SCENIC DR	10+118 LT	BIKE ROUTE LEFT DIRECTIONAL ARROW																RELOC TO SIGNAL POLE; STAGE 3-4
	SCENIC DR	10+120	KEEP RIGHT SYMBOL				1												STAGE 3-1
TOTAL THIS SHEET					0	5	3	0		0.00		0.00		0.00	0.0	0.0	4.8	0	

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 11/13/2004

- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 7 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-74R-3)	PEORIA	1360	1256
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 18 OF 21																			
R4-7	SCENIC DR	10+125	KEEP RIGHT SYMBOL														4.1		RELOCATED: FOR STAGE 3-4.1
R7-1100	SCENIC DR	10+146	SNOW ROUTE/ NO PARKING																RELOCATED TO LIGHT POLE
	SCENIC DR	10+153	SNOW ROUTE/ NO PARKING					1											REPLACE POST STAGE 3-4.2
	SCENIC DR	10+160	ADVANCE INTERSECTION LANE CONTROL																STAGE 3-1
R1-1	SCENIC DR	10+164 LT	STOP														4.5		RELOCATED: STAGE 3-2
R3-8 (MOD-9)	SCENIC DR	10+166	ADVANCE INTERSECTION LANE CONTROL	(1)															FOR STAGE 3-4.1
	SCENIC DR	10+169 LT	STOP					1											STAGE 3-2.1
D11-1 M7-2	SCENIC DR	10+179 RT	BIKE ROUTE STRAIGHT DIRECTIONAL ARROW																RELOCATED TO LIGHT POLE
	SCENIC DR	10+184	ADVANCE INTERSECTION LANE CONTROL																STAGE 3-1
	SCENIC DR	10+188 RT	BIKE ROUTE STRAIGHT DIRECTIONAL ARROW					1											STAGE 3-2
R3-8 (MOD-10)	SCENIC DR	10+200	ADVANCE INTERSECTION LANE CONTROL	(1)															STAGE 3-4
M4-5 M3-2 M1-1 M6-1R	SCENIC DR	10+214 RT	TO EAST INTERSTATE ROUTE MARKER RIGHT DIRECTIONAL ARROW	(1) (1) (1) (1)															FOR STAGE 3-4.1
R4-7 D10(MOD) D-3 D-3	SCENIC DR	10+218	KEEP RIGHT SYMBOL COUNTY ROUTE MARKER WAR MEMORIAL DR N SCENIC DR	(1) (1) (1) (1)															STAGE 3-4
R10-11a	SCENIC DR	10+226 RT	NO TURN ON RED	(1)															STAGE 3-4
	SCENIC DR	10+228 RT	MERGE SYMBOL					1											STAGE 3-1
	SCENIC DR	10+257 RT	WAR MEMORIAL DR	(3)															STAGE 3-4
	SCENIC DR	10+257	ADVANCE INTERSECTION LANE CONTROL																STAGE 3-1
R4-7 R3-5L R3-5b	SCENIC DR	10+258	KEEP RIGHT SYMBOL LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1) (1)															FOR STAGE 3-4.1
	SCENIC DR	10+280 RT	YIELD BIKE ROUTE LEFT DIRECTIONAL ARROW					1											STAGE 3-2
TOTAL THIS SHEET						0	4	4	0	0.00	0.00	0.00	0.0	4.1	4.5	0			

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 8 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	1360	1257
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 18 OF 21																			
R1-2 D11-1 M7-1L	SCENIC DR	10+280 RT	YIELD BIKE ROUTE LEFT DIRECTIONAL ARROW														5.1		RELOCATED DURING STAGE 3-4
R1-1	BRANDYWINE DR	N OF SCENIC	STOP	(1)															STAGE 3-4
	N MALL ENTRANCE	9+925 RT	STOP TO I-74 / LEFT DIRECTIONAL ARROW																REMOVE STAGE 3-2.1
R3-8 (MOD-3a)	N MALL ENTRANCE	9+955 RT	ADVANCE INTERSECTION LANE CONTROL	(1)															STAGE 3-4.1
	N MALL ENTRANCE	9+957	ADVANCE INTERSECTION LANE CONTROL																STAGE 3-3.2
M4-5 M3-4 M1-1 M6-1L M4-5 M3-2 M1-1 M6-1R	N MALL ENTRANCE	9+971 RT	TO WEST INTERSTATE ROUTE MARKER LEFT DIRECTIONAL ARROW TO EAST INTERSTATE ROUTE MARKER RIGHT DIRECTIONAL ARROW	(1) (1) (1) (1) (1) (1) (1) (1)															FOR STAGE 3-4.1
SHEET 19 OF 21																			
R2-1	WAR MEMORIAL DR	39+543 RT	SPEED LIMIT 45	(1)															POST STAGE 3-4.2
R3-5L (MOD) M3-5b (MOD)	WAR MEMORIAL DR	39+565	DUAL LEFT TURN ONLY SYMBOL LEFT 2 LANES	(1) (1)															STAGE 3-4.1
M3-4 M1-4	WAR MEMORIAL DR	39+569 LT	WEST US ROUTE MARKER	(1) (1)															STAGE 3-4.1
	WAR MEMORIAL DR	39+594 RT	JCT INTERSTATE ROUTE MARKER RIGHT DIRECTIONAL ARROW																ONE PANEL STAGE 3-1 KEEP AS TEMP SIGN
	WAR MEMORIAL DR	39+595	DUAL LEFT TURN ONLY SYMBOL																STAGE 3-1
R2-1	WAR MEMORIAL DR	39+630 LT	SPEED LIMIT 40	(1)															FOR STAGE 3-4.1
	WAR MEMORIAL DR	39+693 LT	LANE ADD SYMBOL																STAGE 3-1
	WAR MEMORIAL DR	39+695 RT	SPEED LIMIT 45																STAGE 3-1
	WAR MEMORIAL DR	39+763 LT	SPEED LIMIT 45																STAGE 3-1
W4-3R	WAR MEMORIAL DR	39+770 LT	LANE ADD SYMBOL	(1)															FOR STAGE 3-4.1
TOTAL THIS SHEET					0	7	0	0	0.00	0.00	0.00	0.0	0.0	5.1	0				

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11/13/2004

- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 9 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500
DATE 11/13/2004

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CHECKED BY BCG

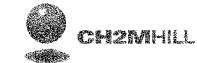
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1253
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 19 OF 21																			
	WAR MEMORIAL DR	39+820 LT	YIELD																STAGE 3-1
	WAR MEMORIAL DR	39+825 LT	ONE WAY NO LEFT TURN SYMBOL WRONG WAY DO NOT ENTER																STAGE 3-1
	WAR MEMORIAL DR	39+825	ONE WAY NO LEFT TURN SYMBOL																STAGE 3-1
	WAR MEMORIAL DR	39+838 LT	ONE WAY NO RIGHT TURN SYMBOL																STAGE 3-1
	WAR MEMORIAL DR	39+840 LT	WRONG WAY			1													STAGE 3-1
	WAR MEMORIAL DR	39+842 RT	WRONG WAY SCENIC DRIVE TRAFFIC KEEP LEFT																STAGE 3-3.1
	W4-3R R5-1a	RAMP B-3 11+090 RT	LANE ADD SYMBOL WRONG WAY						900x900 900x600	0.81 0.54							4.9		STAGE 3-4.1
	R5-1a	RAMP B-3 11+093 LT	WRONG WAY						900x600	0.54							3.9		STAGE 3-4.1
		RAMP B-3 10+973 LT	SHOPPING MALL / SCENIC DR ONLY																STAGE 3-1
SHEET 20 OF 21																			
	WAR MEMORIAL DR	39+875 RT	RAMP ADVISORY SPEED																STAGE 3-1
	WAR MEMORIAL DR	39+900 LT	MERGE SYMBOL																STAGE 3-1
	M3-4 M1-1 M6-2R	WAR MEMORIAL DR 39+925 LT	WEST INTERSTATE ROUTE MARKER DIRECTIONAL DIAG. ARROW (RIGHT)	(1) (1) (1)															POST STAGE 3-4.2
	WAR MEMORIAL DR	39+926 LT	INTERSTATE ROUTE MARKER RIGHT DIRECTIONAL ARROW																STAGE 3-1
	WAR MEMORIAL DR	39+942 RT	FREEWAY EXCLUSION																STAGE 3-1
	W13-3	WAR MEMORIAL DR 40+105 RT	RAMP ADVISORY SPEED	(1)															FOR STAGE 3-4.1
	WAR MEMORIAL DR	40+118 RT	SPEED LIMIT 45																STAGE 3-1
			TOTAL THIS SHEET		1	11	0	0		1.89		0.00		0.00	0.0		3.9	4.9	0

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1259
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)	
SHEET 20 OF 21																			STAGE 3-1
	RAMP B-5	10+026 RT	RAMP ADVISORY SPEED																
	W13-3	RAMP B-5	10+049 RT	RAMP ADVISORY SPEED	(1)														POST STAGE 3-4.2
	R5-1100	RAMP B-5	10+090 RT	FREEWAY EXCLUSION							1200x1350	1.62				5.0			POST STAGE 3-4.2
		RAMP B-5	10+100 RT	FREEWAY EXCLUSION															STAGE 3-1
	W1-2L R2-1101	RAMP B-3	10+700 RT	CURVE SYMBOL LEFT SPEED PLATE						750x750	0.56	1200x1200	1.44			6.3			FOR STAGE 3-4.1
		RAMP B-3	10+741 RT	RAMP ADVISORY SPEED															STAGE 3-1
		RAMP B-3	10+962 RT	SHOPPING MALL / SCENIC DRIVE LEFT BRANDYWINE DR RIGHT															STAGE 3-1
SHEET 21 OF 21																			
	M3-2 M1-1 M6-2R	WAR MEMORIAL DR	40+180 RT	EAST INTERSTATE ROUTE MARKER DIRECTIONAL DIAG. ARROW (RIGHT)	(1) (1) (1)														FOR STAGE 3-4.1
	M3-4 M1-1 M5-2R	WAR MEMORIAL DR	40+200 LT	WEST INTERSTATE ROUTE MARKER ADVANCE DIRECTIONAL DIAG. ARROW (RIGHT)	(1) (1) (1)														POST STAGE 3-4.2
	R3-1	WAR MEMORIAL DR	40+250 RT	NO RIGHT TURN SYMBOL	(1)														FOR STAGE 3-4.1
	W4-1R	WAR MEMORIAL DR	40+290 RT	MERGE SYMBOL	(1)														FOR STAGE 3-4.1
	R4-7 R3-5L R3-5b	WAR MEMORIAL DR	40+292	KEEP RIGHT SYMBOL LEFT TURN ONLY SYMBOL LEFT LANE	(1) (1) (1)														FOR STAGE 3-4.1
	R2-1	WAR MEMORIAL DR	40+379 LT	SPEED LIMIT 45	(1)														POST STAGE 3-4.2
		WAR MEMORIAL DR	40+380 LT	SPEED LIMIT 45															STAGE 3-1
	M3-2 M1-4	WAR MEMORIAL DR	40+403 RT	EAST US ROUTE MARKER	(1) (1)														FOR STAGE 3-4.1
	R3-7R	WAR MEMORIAL DR	40+453	RIGHT LANE MUST TURN RIGHT	(1)														FOR STAGE 3-4.1
	M3-2 M1-1 M5-1L M3-4 M1-1 M6-3	WAR MEMORIAL DR	40+479 LT	EAST INTERSTATE ROUTE MARKER ADVANCE TURN ARROW (LEFT) WEST INTERSTATE ROUTE MARKER STRAIGHT DIRECTIONAL ARROW	(1) (1) (1) (1) (1) (1)														FOR STAGE 3-4.1
				TOTAL THIS SHEET		0	5	0	0	0.56		3.06		0.00	0.0	0.0	11.3	0	

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 11 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	136	126
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO. / SIGN CODE	ROADWAY	STATION	DESCRIPTION	WORK TO BE DONE BY OTHERS (X)	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE 1		SIGN PANEL TYPE 2		SIGN PANEL TYPE 3		TOTAL LENGTH / TYPE OF POST				REMARKS / WORK TIMING	
					TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	PANEL SIZE (mm x mm)	TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)		
SHEET 21 OF 21																				
R3-5R R3-5b(MOD-1)	WAR MEMORIAL DR	40+575	RIGHT TURN ONLY SYMBOL RIGHT LANE	(1) (1)															FOR STAGE 3-4.1	
M2-1 M1-1	WAR MEMORIAL DR	40+625 LT	JUNCTION INTERSTATE ROUTE MARKER	(1) (1)															FOR POST STAGE 3-4.2	
W1-2L R2-1101	RAMP B-5	10+600 RT	CURVE SYMBOL RIGHT SPEED PLATE						750x750	0.56	1200x1200	1.44					6.1		STAGE 3-4.2	
	RAMP B-3	10+525 RT	MERGE SYMBOL				1												STAGE 3-1	
R5-1100	RAMP B-6	10+105 RT	FREEWAY EXCLUSION								1200x1350	1.62					5.0		FOR STAGE 3-4.1	
W4-1R	RAMP B-6	10+168 LT	MERGE SYMBOL								1200x1200	1.44					5.3		FOR STAGE 3-4.1	
	RAMP B-6	10+170 LT	DOUBLE SLANT ARROW				1												STAGE 3-1	
R5-1100	RAMP B-4	10+035 RT	FREEWAY EXCLUSION								1200x1350	1.62					5.0		FOR STAGE 3-4.1	
	RAMP B-1	11+018 RT	RAMP ADVISORY SPEED				1													
R5-1a	RAMP B-1	11+085 LT	WRONG WAY						900x600	0.54							4.5		FOR STAGE 3-4.1	
R5-1a	RAMP B-1	11+085 RT	WRONG WAY						900x600	0.54							4.5		FOR STAGE 3-4.1	
W4-1R	RAMP B-1	11+110 LT	MERGE SYMBOL						900x900	0.81							5.1		FOR STAGE 3-4.1	
TOTAL THIS SHEET					0	3	0	0		2.45		6.12		0.00	0.0		9.0	26.5	0	

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- LEGEND**
- (1) BY IDOT
 - (2) BY ANOTHER CONTRACT
 - (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1369	1261
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 68200				

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGNING PLAN SHEET NO.	REMOVE SIGN PANEL		RELOCATE SIGN PANEL		SIGN PANEL TYPE			TYPE/LENGTH OF POST			
	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE A ASSEMBLY (EA)	TYPE B ASSEMBLY (EA)	TYPE 1 TOTAL AREA (SQ m)	TYPE 2 TOTAL AREA (SQ m)	TYPE 3 TOTAL AREA (SQ m)	METAL POST TYPE A (m)	METAL POST TYPE B (m)	WOOD POST (m)	PARAPET MOUNTING (EA)
2	1	3	0	0	1.36	5.76	9.12	4.1	0.0	69.1	0
3	4	6	0	0	5.18	1.44	0.00	0.0	0.0	29.6	1
4	5	2	0	0	2.04	1.44	5.76	4.4	0.0	42.4	0
5	0	1	0	0	0.97	1.80	2.88	0.0	0.0	23.8	0
6	0	3	0	0	0.00	0.00	0.00	0.0	0.0	0.0	0
7	0	5	3	0	0.00	0.00	0.00	0.0	0.0	4.8	0
8	0	4	4	0	0.00	0.00	0.00	0.0	4.1	4.5	0
9	0	7	0	0	0.00	0.00	0.00	0.0	0.0	5.1	0
10	1	11	0	0	1.89	0.00	0.00	0.0	3.9	4.9	0
11	0	5	0	0	0.56	3.06	0.00	0.0	0.0	11.3	0
12	0	3	0	0	2.45	6.12	0.00	0.0	9.0	26.5	0
TOTAL	11	50	7	0	14.45	19.62	17.76	8.5	17.0	222.0	1

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LEGEND

- (1) BY IDOT
- (2) BY ANOTHER CONTRACT
- (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 13 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
REGULATORY AND WARNING SIGNS

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1365	1462
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

BILL OF MATERIALS - GROUND MOUNTED SIGNS
A. REMOVALS

ROADWAY	STATION	DESCRIPTION	REMOVE SIGN PANEL ASSEMBLY TYPE B (EA)	REMOVE GROUND- MOUNTED SIGN SUPPORT (EA)	REMOVE CONCRETE FOUNDATION GROUND MOUNT (EA)	REMARKS/ TIMING
I-74 WB	143+738	EXIT 89 (GORE)	1	2	2	STAGE 3-1
I-74 WB	143+995	WAR MEMORIAL DR (EXIT DIRECTION)	1	3	3	STAGE 3-1
I-74 WB	144+815	WAR MEMORIAL DR 1/2 MILE	1	2	2	STAGE 3-1
I-74 WB	145+495	WAR MEMORIAL DR EXIT 1 MILE	1	3	3	STAGE 3-1
I-74 WB	145+745	EXIT 90 (GORE)	1	2	2	STAGE 3-1
I-74 WB	145+980	GALE AVENUE (EXIT DIRECTION)	1	2	2	STAGE 3-1 REUSE AS TEMP SIGN
I-74 WB	146+378	GALE AVENUE 1/2 MILE	1	2	2	STAGE 3-1 REUSE AS TEMP SIGN
WAR MEMORIAL DR.	39+778 RT	GALESBURG / BLOOMINGTON (EXIT DIRECTION)	1	2	2	USE FOR TEMP SIGNING REMOVE STAGE 3-4.1
WAR MEMORIAL DR.	40+150 LT	GALESBURG / BLOOMINGTON (EXIT DIRECTION)	1	2	2	USE FOR TEMP SIGNING REMOVE POST STAGE 3-4.2
WAR MEMORIAL DR.	40+620 LT	GALESBURG / BLOOMINGTON NEXT RIGHT	1	2	2	USE FOR TEMP SIGNING REMOVE POST STAGE 3-4.2
RAMP B-6	10+100 RT	SCENIC DR EXIT LEFT 1/4 MILE	1	2	2	STAGE 3-1
TOTAL			11	24	24	

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LEGEND

- (1) BY IDOT
- (2) BY ANOTHER CONTRACT
- (3) BY CITY OF PEORIA



REVISIONS	
NAME	DATE

SIGNING SHEET 14 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS-
GROUND MOUNTED SIGNS (REMOVALS)

SCALE 1:500 DRAWN BY MEG
DATE 11/13/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1363	1263
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

**BILL OF MATERIALS - GROUND MOUNTED SIGNS
B. PROPOSED**

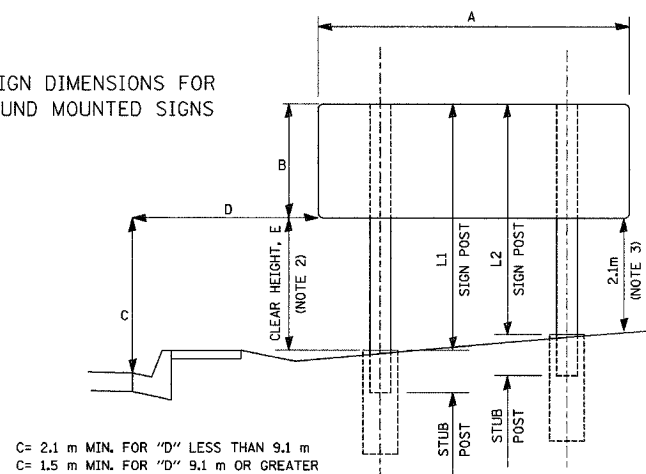
SIGN PANEL NO.	ROADWAY	STATION	DESCRIPTION	SIGN PANEL TYPE 3		NO. OF POSTS	POST SIZE	WOOD POST (m)	POST SPACING C-C (mm)	SIGN POST LENGTH (m)				STUB POST LENGTH, EACH (m)	STRUCTURAL STEEL SUPPORT-BREAKAWAY (1) (KG)	FOUND-DATION CONCRETE (CU m)	FOUND-DATION REIN-FORCEMENT (2) (KG)	FUSE PLATE BOLT SIZE	PARAPET MOUNTING (EA)	SIGN DIMENSIONS (m)					REMARKS / WORK TIMING
				PANEL SIZE (mm x mm)	TOTAL AREA (SQ. m)					L1	L2	L3	L4							A	B	C*	D**	E	
1-23	I-74 WB	143+100	INDIANAPOLIS / CHILLICOTHE / 2 MILES	4650 x 4420	20.55	2	W360x57		2790	8.37	7.78			1.07	1042.5	3.12	132	M24x65		4.65	4.42	2.96	9.3	3.95	PRIOR TO OPENING RAMP B-5 TO TRAFFIC
1-32	I-74 WB	143+600	EXIT 88 (GORE)	1800 x 1524	2.74	2		10.6	1080	5.3	5.3									1.80	1.52	2.1	3.7		FOR STAGE 3-4.1
1-34	I-74 EB	143+835	EXIT 89 (GORE)	1800 x 1524	2.74	2		10.8	1080	5.4	5.4									1.80	1.52	2.1	4.8		FOR STAGE 3-4.1
1-35	I-74 WB	144+025	EXIT 89 (GORE)	1800 x 1524	2.74														1	1.80	1.52	2.1			FOR STAGE 3-4.1
2-01	I-74 WB	144+900	WAR MEMORIAL / STERLING / I-474 DESTINATIONS	5850 x 2134	12.48	2	W250x33		3510	4.96	6.36			0.91	433.6	1.82	98	M16x50		5.85	2.13	2.1	3.5	4.23	FOR STAGE 3-4.1
2-09	I-74 WB	145+475	WAR MEMORIAL DR / 3/4 MILE	6150 x 3658	22.50	4	W250x39		1538	7.12	7.43	7.73	8.04	0.91	1324.4	3.80	208	M24x70		6.15	3.66	1.5	10.7	4.38	FOR STAGE 3-4.1
2-12	I-74 WB	145+860	EXIT 90 (GORE)	1800 x 1524	2.74	2		10.6	1080	5.3	5.3									1.80	1.52	2.1	4.3		FOR STAGE 3-4.1
2-14	I-74 WB	146+100	GALE AVE (EXIT DIRECTION)	3000 x 2591	7.77	2	W150x22		1800	5.30	4.69			0.76	253.2	1.06	82	M20x50		3.00	2.59	3.92	10.7	2.71	FOR STAGE 3-4.1
1-50	WAR MEMORIAL DR.	38+987 RT	TO I-74 / EAST / WEST	1950 x 1829	3.57	2		11.7	1170	5.9	5.8									1.95	1.83	2.1	4.0		FOR STAGE 3-4.1
1-27	WAR MEMORIAL DR.	40+130 LT	GALESBURG (EXIT DIRECTION)	2700 x 1372	3.70	2	W150x14		1620	4.05	3.47			0.69	124.6	1.06	82	M12x40		2.70	1.37	3.00	8.5	2.68	POST STAGE 3-4.2
1-29	WAR MEMORIAL DR.	40+290 LT	GALESBURG AHEAD / BLOOMINGTON LEFT	3000 x 2743	8.23	2	W150x22		1800	5.43	5.45			0.76	272.8	1.06	82	M20x50		3.00	2.74	2.1	4.5	2.71	FOR STAGE 3-4.1
TOTAL					89.78			43.7							3451.1	11.92	684		1						

NOTE:

1. ALL OF THESE PROPOSED GROUND-MOUNTED INFORMATION SIGNS SHALL BE INSTALLED PRIOR TO RE-OPENING I-74 TO TRAFFIC.

- (1) WEIGHT OF STEEL SUPPORTS INCLUDES THE SIGN SUPPORTS AND THE STUB POSTS. ALL MISCELLANEOUS HARDWARE FOR THE POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY.
(2) FOUNDATION REINFORCEMENT REQUIREMENTS INCLUDE REINFORCEMENT BARS AND SPIRAL HOOPING.

DESIGN DIMENSIONS FOR GROUND MOUNTED SIGNS



C= 2.1 m MIN. FOR "D" LESS THAN 9.1 m
C= 1.5 m MIN. FOR "D" 9.1 m OR GREATER

- L1 IS ALWAYS NEAREST TO THE EDGE OF PAVEMENT.
- CLEAR HEIGHT IS THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE FOUNDATION (OR GRADE ELEVATION AT THE CENTERLINE OF POST) AND THE BOTTOM EDGE OF SIGN FOR THE LONGEST POST.
- 2.1 m MIN. BETWEEN TOP OF STUB POST AND FUSE PLATE. MAY BE REDUCED TO 1.5 m WHEN D>9.1 m OR GREATER AND THE SLOPE IS 1:2 OR STEEPER, OR WHERE IT WOULD BE UNLIKELY FOR AN OUT OF CONTROL VEHICLE TO REACH THE POST.
- ALL POST SIZES AND SUPPORT LENGTHS SHOWN ON PLANS SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.
- THE ABOVE CRITERIA ARE FOR THE EXPRESSWAYS OR FULLY ACCESS CONTROLLED FREEWAYS.

- (A) FOR SIGNS LESS THAN 9.1 m FROM EDGE OF PAVEMENT, THE BOTTOM EDGE OF SIGN SHALL BE SET LEVEL AT AN ELEVATION OF AT LEAST 2.1 m ABOVE GRADE ELEVATION AT EDGE OF PAVEMENT. SUPPLEMENTAL PANELS MAY BE SET AT 1.8 m.
- (B) FOR SIGNS 9.1 m AND GREATER FROM EDGE OF PAVEMENT, THE BOTTOM EDGE OF SIGN SHALL BE SET LEVEL AT AN ELEVATION OF AT LEAST 1.5 m ABOVE GRADE ELEVATION AT EDGE OF PAVEMENT.
- (C) FOR SIGNS ON RISING EMBANKMENT SLOPES, THE BOTTOM EDGE OF SIGN SHALL BE SET TO PROVIDE AT LEAST 2.1 m BETWEEN IT AND THE TOP OF THE STUB POST FOR THE SHORTEST POST. THIS MAY BE REDUCED TO 1.5 m WHEN EITHER THE DISTANCE FROM THE EDGE OF PAVEMENT IS GREATER THAN 9.1 m AND THE SLOPE IS GREATER THAN 1:2, OR WHERE OTHER FACTORS WOULD PREVENT AN OUT OF CONTROL VEHICLE FROM REACHING THE POST.

**D ALL SIGNS WILL BE PLACED 10.5 m OR MORE OFF OF MAINLINE WHEREVER POSSIBLE, EXCEPT WHEN PLACED BEHIND GUARD-RAIL. SIGNS ON RAMPS WILL BE PLACED 5.5 m OR MORE FROM THE EDGE OF PAVEMENT. (SEE NOTE 5 ABOVE)

IN GENERAL, THE LOCATION OF SHOULDER MOUNTED SIGNS MAY VARY IN ORDER TO TAKE ADVANTAGE OF FLATTER CROSS SECTIONS WHICH CAN RESULT IN CONSIDERABLE COST SAVINGS.

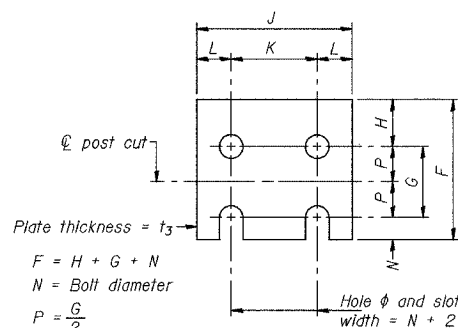
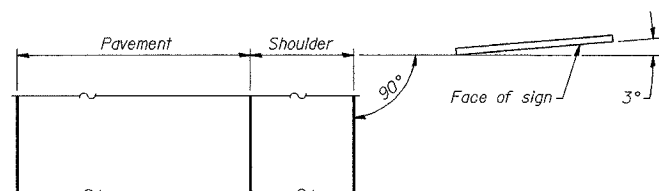
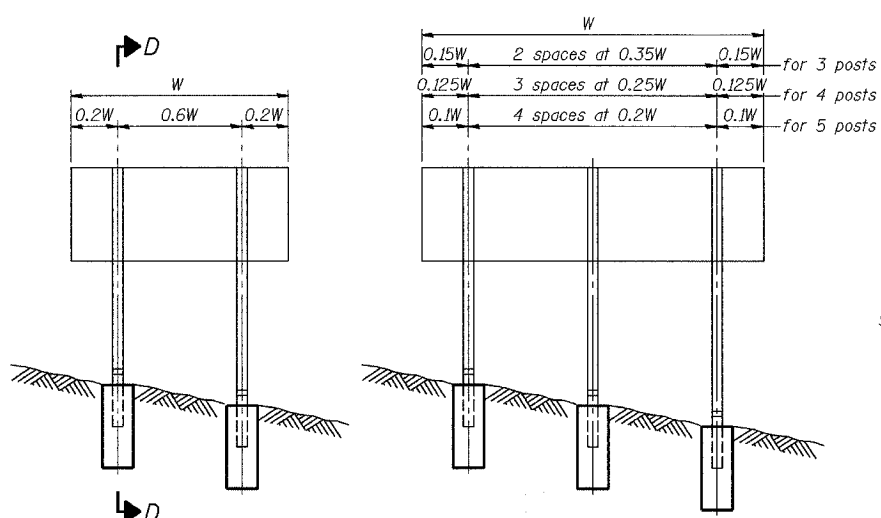
SIGNING SHEET 15 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">SIGNING PLAN BILL OF MATERIALS- GROUND MOUNTED SIGNS (PROPOSED)</p> <p>SCALE 1:500 DRAWN BY MEG DATE 11/13/2004 CHECKED BY BCG</p>

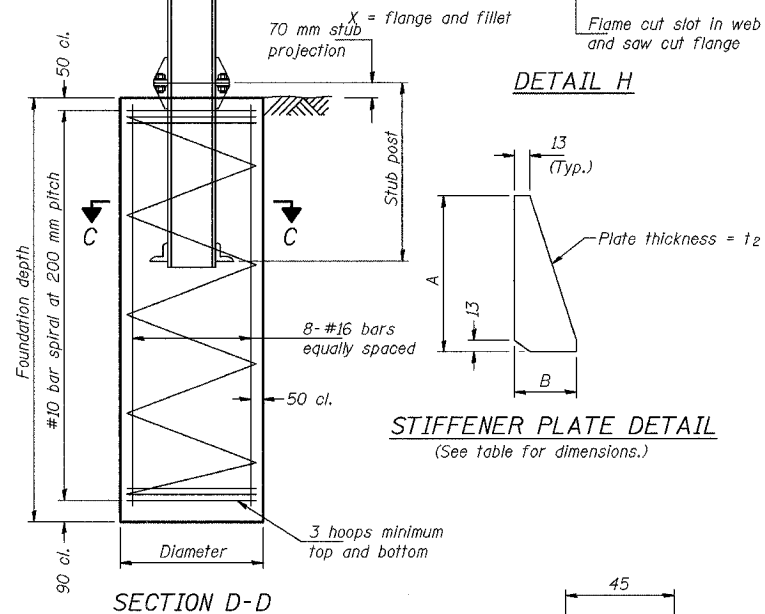
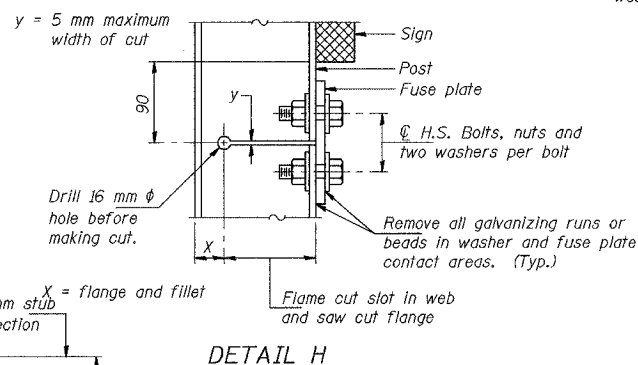
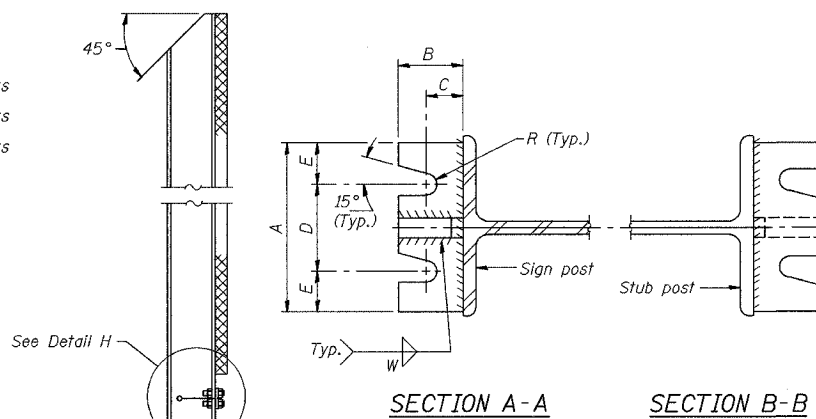


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

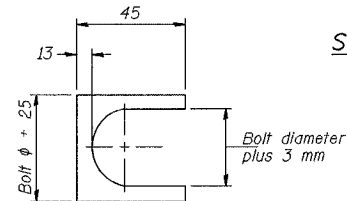
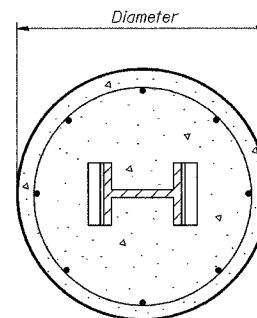
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-TR-3	PEORIA	1360	1264
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



N = Bolt Diameter	G	H
M12	50	30
M16	60	30
M20	65	35
M22	70	40
M24	75	40
M27	85	45



STIFFENER PLATE DETAIL
(See table for dimensions.)



Furnish two 0.3 mm thick and two 0.8 mm thick stainless steel or brass (ASTM B36) shims per post.



CH2MHILL

SCALE 1:500

DATE 11/13/2004

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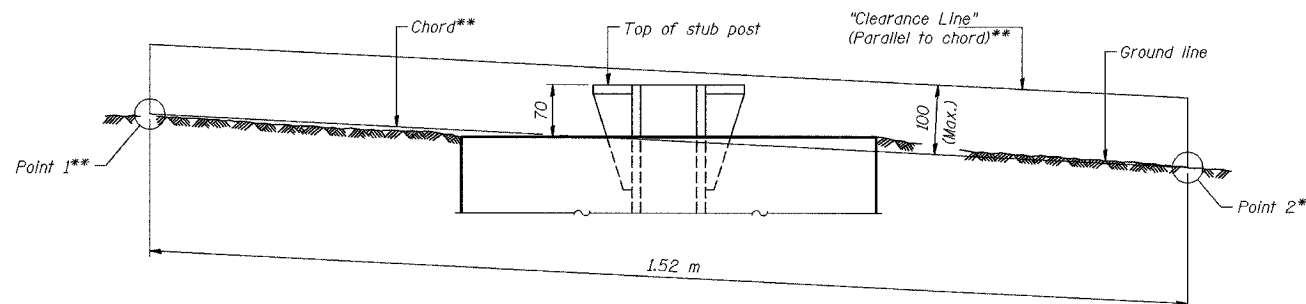
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1265
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃
	Diameter	*Minimum Depth (m)	Concrete (m ³) ①	Vertical Bars Length (m)	Bar Spirals Diameter	Bar Spirals Length (m)	kg ②															
W150x14	610	1.8	0.53	1.72	520	24.1	41	690	M16x85	150	57	32	90	30	20	14	9	6	100	56	22	6
W150x22	610	1.8	0.53	1.72	520	24.1	41	760	M16x85	150	57	32	90	30	20	14	9	6	150	90	30	10
W200x27	610	1.8	0.53	1.72	520	24.1	41	760	M20x95	150	64	35	82	34	25	14	10	8	130	70	30	10
W250x33	760	2.0	0.91	1.92	675	32.0	49	910	M20x95	150	64	35	82	34	25	14	10	8	145	70	38	14
W250x39	760	2.1	0.95	2.02	675	34.1	52	910	M22x105	180	70	38	102	39	25	20	12	10	145	70	38	16
W310x39	760	2.4	1.09	2.32	675	36.3	58	910	M22x105	180	70	38	102	39	25	20	12	10	165	90	38	16
W360x45	910	2.2	1.43	2.12	825	44.2	61	910	M22x105	180	70	38	102	39	25	20	12	10	170	90	40	14
W360x57	910	2.4	1.56	2.32	825	46.6	66	1.07 m	M24x115	190	76	44	102	44	32	20	13	10	170	90	40	14
W410x67	910	2.6	1.69	2.52	825	49.4	70	1.07 m	M24x115	190	76	44	102	44	32	20	13	10	180	90	45	14

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

POST	FUSE PLATE BOLT SIZE													
	Sign Depth (m)													
	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	
W150x14	M12x40	M12x40	M12x40	M16x45	M16x45	M16x45	---	---	---	---	---	---	---	---
W150x22	M12x45	M12x45	M16x50	M16x50	M20x50	M20x50	M20x50	M20x50	M22x50	M22x50	---	---	---	---
W200x27	M12x45	M12x45	M16x50	M16x50	M20x50	M20x50	M20x50	M22x60	M22x60	M22x60	M22x60	M22x60	M22x60	M22x60
W250x33	M12x50	M12x50	M16x50	M16x50	M20x60	M20x60	M20x60	M22x60	M22x60	M22x65	M24x65	M24x70	M24x70	M24x70
W250x39	M12x50	M12x50	M16x60	M16x60	M20x65	M20x65	M20x65	M22x65	M22x65	M24x70	M24x70	M24x70	M24x70	M24x80
W310x39	---	---	---	---	---	M16x60	---	---	M22x65	M22x65	M24x65	M24x70	M24x70	M24x70
W360x45	M12x50	M12x50	M12x50	M12x50	M16x50	M16x50	M20x60	M20x60	M20x60	M22x65	M24x65	M24x70	M24x70	M24x70
W360x57	---	M12x50	M12x50	M12x50	M16x60	M16x60	M20x60	M20x60	M20x65	M20x65	M22x65	M22x65	M24x65	M24x70
W410x67	---	---	M12x50	M12x50	M16x60	M16x60	M20x60	M20x65	M20x65	M22x65	M22x65	M24x65	M24x70	M24x70



ELEVATION

GROUND LINE & STUB POST

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

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

SIGNING SHEET 17 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">SIGNING PLAN GROUND MOUNTED SIGN DETAILS</p> <p>SCALE 1:500 DRAWN BY</p> <p>DATE 11/13/2004 CHECKED BY</p>

NUMBER	REVISION	DATE

BAW-A-2(M) 7/1/2001



11/13/2004 10:41:10 AM 11/13/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-TIR-3	PEORIA	1360	1360
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

BILL OF MATERIALS - OVERHEAD SIGNS

SIGN PANEL NO.	ROADWAY	STATION	DESCRIPTION	REMOVE OVERHEAD SIGN STRUCTURE			REMOVE CONCRETE FOUNDATION-OVERHEAD (EA)	SIGN PANEL TYPE 3		OVERHEAD SIGN STRUCTURE				DRILLED SHAFT CONCRETE FOUNDATIONS (CU m)	REMARKS / WORK TIMING	
				SPAN (EA)	CANTILEVER (EA)	BRIDGE MOUNTED (EA)		PANEL SIZE (mm x mm)	TOTAL AREA (SQ. m)	SPAN		CANTILEVER				BRIDGE MOUNTED (m)
										TYPE	LENGTH (m)	TYPE	LENGTH (m)			
1-33	I-74 WB	143+740	STERLING AVENUE (EXIT DIRECTION)					4200 x 2591	10.88			II-C-S	7.9		11.1	FOR STAGE 3-4.1
1-30	I-74 WB	143+798	WEST WAR MEMORIAL DR (DOWN ARROW)					6150 x 3200	19.68	I-S	21.5				23.6	FOR STAGE 3-4.1
1-31	I-74 WB	143+798	EAST WAR MEMORIAL DR (DOWN ARROW)					6150 x 3200	19.68							
1-37	I-74 WB	144+154	I-74 WEST / KEEP LEFT					3150 x 1981	6.24	I-S	22.0				6.4	FOR STAGE 3-4.1
1-38	I-74 WB	144+154	STERLING AVE / 1/4 MILE					4800 x 2438	11.70							
1-39	I-74 WB	144+154	WAR MEMORIAL DR / EXIT ONLY					6150 x 3810	23.43							
1-42	I-74 WB	144+540	STERLING AVE / 1/2 MILE					4800 x 2438	11.70	I-S	20.0				5.5	FOR STAGE 3-4.1
1-43	I-74 WB	144+540	WAR MEMORIAL DR / EXIT ONLY					6750 x 3962	26.74							
1-51	WAR MEMORIAL DR.	39+700 RT	BLOOMINGTON / EXIT ONLY					4200 x 2743	11.52			III-C-A	10.8		8.9	FOR STAGE 3-4.1
1-28	WAR MEMORIAL DR.	40+105 RT	BLOOMINGTON (EXIT DIRECTION)					4800 x 2591	12.44			III-C-A	11.8		8.9	FOR STAGE 3-4.1
	WAR MEMORIAL DR	40+130	14FT 3IN													SEE NOTE 1
	RAMP B-3	10+750	TO SCENIC DR / NEXT LEFT US 150 WEST / KEEP RIGHT	1			2									STAGE 3-1
	RAMP B-3	10+935	TO SCENIC DR ONLY (EXIT DIRECTION) WAR MEMORIAL DR (DOWN ARROW)	1			2									STAGE 3-1
	RAMP B-6	10+198	GALESBURG (EXIT DIRECTION) BLOOMINGTON (DOWN ARROW) WEST WAR MEMORIAL DR (DOWN ARROW) EAST WAR MEMORIAL DR (EXIT DIRECTION)	1			2									STAGE 3-1
TOTAL				3	0	0	6		154.02		63.5		30.5	0.00	64.4	

NOTES:

- BRIDGE MOUNTED VERTICAL CLEARANCE SIGN PANEL IS TO BE REMOVED. REMOVAL AND DISPOSAL IS INCLUDED IN THE COST OF "REMOVAL OF EXISTING STRUCTURES".

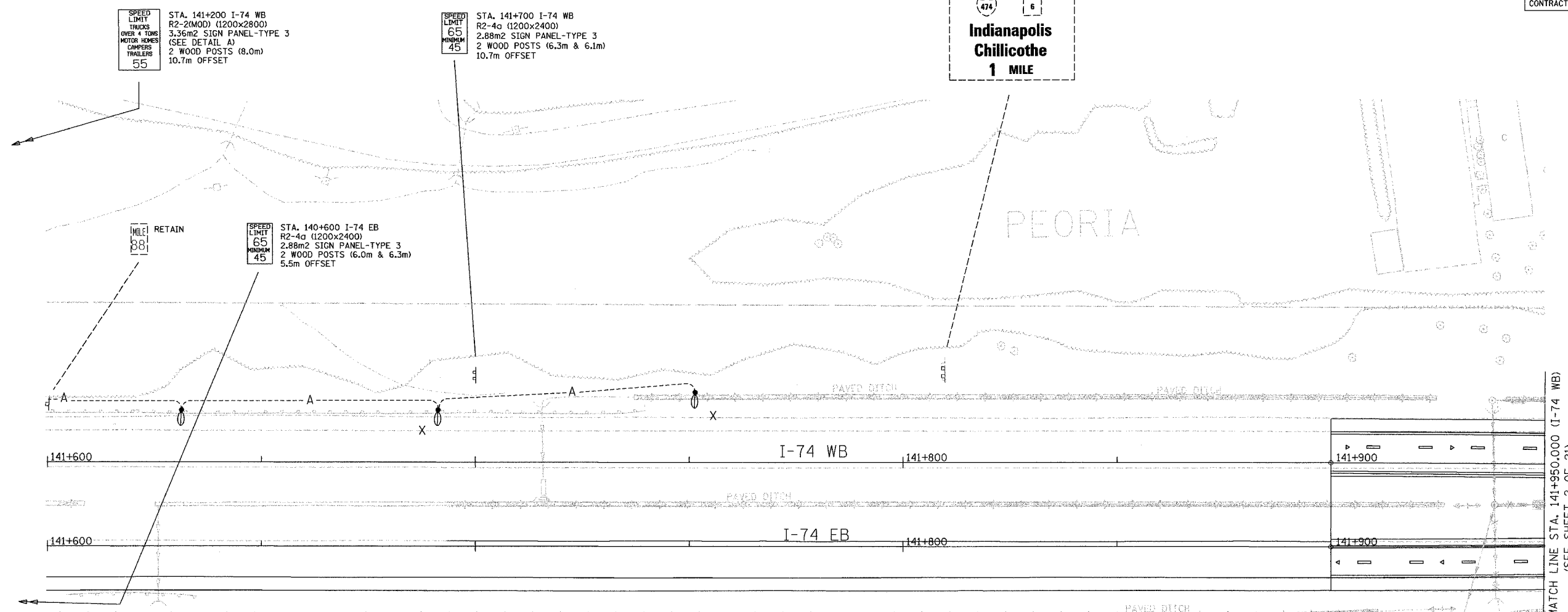
SIGNING SHEET 18 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE 1:500		DRAWN BY MEG
DATE 11/13/2004		CHECKED BY BCG



I:\180205\plan sheets\overhead 10x10T_70.dgn 11/13/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1367
STA. 141+600.000 TO STA. 141+950.000				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

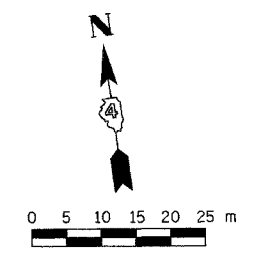


PROJECT SPECIFIC NOTES FOR PERMANENT SIGNING

- SIGN SIZE AND DIMENSION INFORMATION NOT SHOWN ON THE PLANS SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD HIGHWAY SIGNS" MANUAL.
- EXISTING SIGNS WITHIN PREVIOUS CONTRACT OR UTILITY RELOCATION AREAS WERE RELOCATED BY OTHER PARTIES. THE LOCATIONS OF SUCH SIGNS REPRESENTED ON THESE PLANS REPRESENT APPROXIMATED RELOCATIONS. THE CONTRACTOR SHALL RELOCATE THESE SIGNS TO THEIR PERMANENT DEFINED LOCATION.
- SIGN FACES, LEGEND AND BORDERS SHALL BE FABRICATED OF REFLECTIVE SHEETING. (SEE SPECIAL PROVISIONS)
- QUANTITIES FOR REGULATORY AND WARNING SIGN PANELS THAT ARE MOUNTED ON SUPPORTS OF GROUND MOUNTED OR OVERHEAD GUIDE SIGNS ARE SHOWN IN THE BILL OF MATERIALS FOR REGULATORY AND WARNING SIGNS.
- FOR DETAILS OF GROUND MOUNTED AND OVERHEAD SIGNS, SEE BILLS OF MATERIALS AND SIGN PANEL DETAIL SHEETS.
- FOR DETAILS OF NON-STANDARD REGULATORY AND WARNING SIGN LEGENDS, SEE REGULATORY AND WARNING SIGN DETAIL SHEETS.
- SIGN PANEL OFFSETS ARE SHOWN FROM PROPOSED EDGE OF PAVEMENT TO NEAREST EDGE OF PANEL UNLESS OTHERWISE SHOWN.
- SEE SIGN STRUCTURE SHEETS FOR ADDITIONAL OVERHEAD SIGN PANEL LOCATION INFORMATION.
- RAMP ADVISORY SPEED SIGNS (W13-3) TO BE FURNISHED AND INSTALLED BY IDOT.
- CITY OWNED SIGNS TO BE RELOCATED MAY BE REPLACED INSTEAD AS DETERMINED BY THE CITY OF PEORIA DURING CONSTRUCTION. THE CITY WOULD BE RESPONSIBLE FOR THE FABRICATION AND DELIVERY OF ANY REPLACED SIGN. THE CONTACT PERSON FOR THE CITY IS TOM O'NEILL, TELEPHONE NUMBER (309) 494-8886. THE PLACEMENT OF NEW SIGN PANELS PROVIDED BY THE CITY SHALL BE INCLUDED IN THE COST OF "RELOCATE SIGN PANEL ASSEMBLY" OF THE TYPE SPECIFIED.
- PROPOSED MAST ARM MOUNTED STREET NAME SIGNS AND STREET NAME SIGNS AT NEW INTERSECTIONS ARE TO BE FURNISHED AND INSTALLED BY THE CITY OF PEORIA, AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THE TIMING OF PERMANENT SIGNAL INSTALLATION WITH THE CITY TO LIMIT LANE CLOSURES.
- DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
- PRIOR TO DRILLING OR DIGGING TO INSTALL ANY SIGN POST, THE CONTRACTOR SHALL LOCATE ANY PREVIOUSLY EXISTING OR NEWLY INSTALLED UNDERGROUND ITS, LIGHTING, TRAFFIC SIGNAL, OR OTHER POWER SUPPLY AND COMMUNICATION CONDUITS, AS WELL AS STORM SEWERS AND UNDERDRAINS WHICH MAY BE PRESENT IN THE VICINITY OF THE SIGN. IF A SIGN POST IS DETERMINED TO CONFLICT WITH ANY UNDERGROUND CONDUIT, THE SIGN SHALL BE SHIFTED TO AVOID THE CONFLICT. ALL ADJUSTED SIGN LOCATIONS SHALL BE APPROVED BY THE ENGINEER BEFORE THE POSTS ARE INSTALLED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND CONDUITS THAT OCCURS IN THE COURSE OF HIS WORK. THE EXTENT AND NATURE OF REPAIR OF CONDUITS DAMAGED BY THE CONTRACTOR SHALL BE AS DETERMINED BY THE ENGINEER AT NO ADDITIONAL CHARGE TO THE OWNER.

LEGEND

- SIGN PANELS:**
- EXISTING SIGN PANEL
 - PROPOSED SIGN PANEL
 - NON-STANDARD SIGN NUMBER
 - BY OTHERS (SEE LEGEND NOTE 2)
- CITY OWNED SIGNS:**
- CITY OWNED SIGNS TO BE RETAINED
 - CITY OWNED SIGNS TO BE REMOVED
 - CITY OWNED SIGNS TO BE RELOCATED
- LEADERS:**
- EXISTING SIGN LOCATION
 - PROPOSED SIGN LOCATION
- LEGEND NOTE:**
- SIGNS ARE SHOWN IN THE ACTUAL DIRECTION THEY FACE ONLY WHEN NECESSARY FOR CLARITY. BACK-TO-BACK SIGN PANELS MAY THEREFORE NEED TO BE ROTATED CLOCKWISE BY 90° TO BE READ CORRECTLY.
 - SEE BILL OF MATERIALS SCHEDULE SHEETS TO DEFINE RESPONSIBLE PARTY.



SIGNING SHEET 19 OF 83

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 141+600 TO STA. 141+950
 (SHEET 1 OF 21)

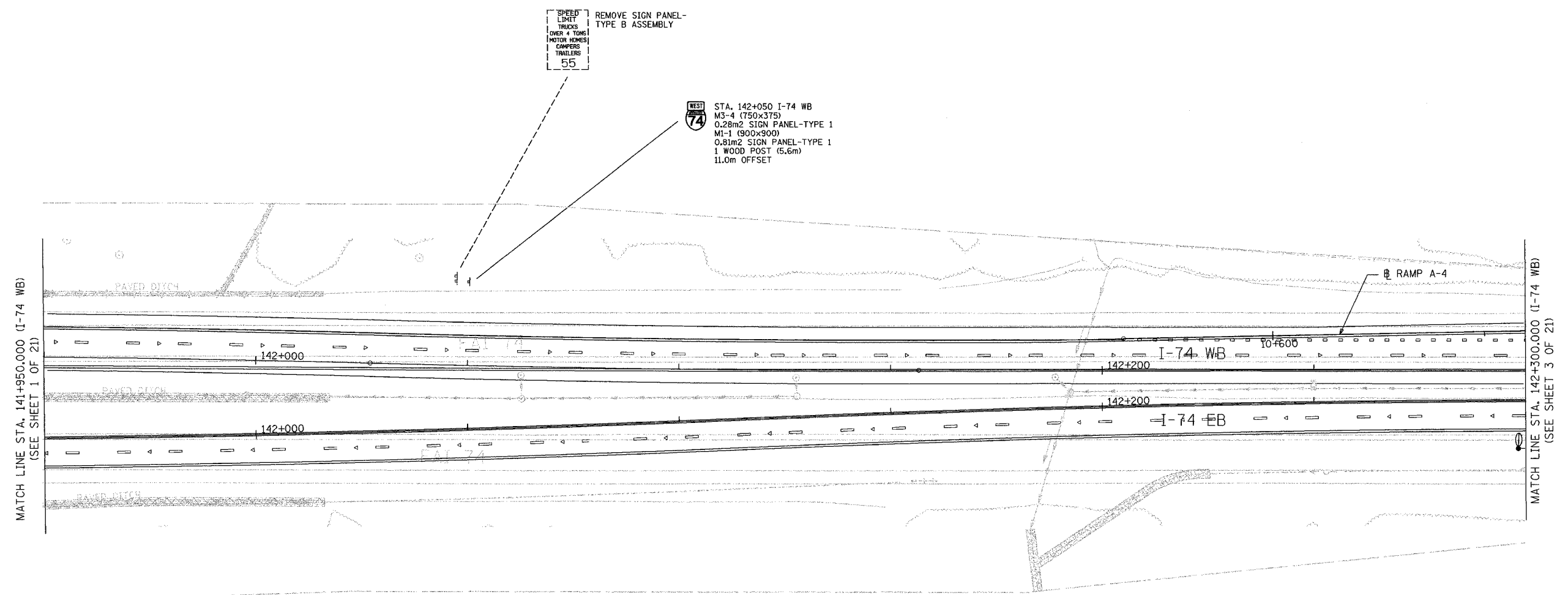
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1550	208
STA. 141+950.000		TO STA. 142+300.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

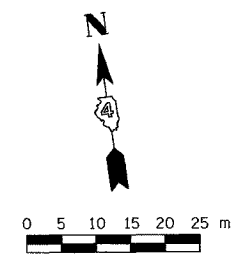


SPEED LIMIT
LIMIT
TRUCKS
OVER 4 TONS
MOTOR HOMES
CAMPER
TRAILERS
55

WEST
74
STA. 142+050 I-74 WB
M3-4 (750x375)
0.28m² SIGN PANEL-TYPE 1
M1-1 (900x900)
0.81m² SIGN PANEL-TYPE 1
1 WOOD POST (5.6m)
11.0m OFFSET

MATCH LINE STA. 141+950.000 (I-74 WB)
(SEE SHEET 1 OF 21)

MATCH LINE STA. 142+300.000 (I-74 WB)
(SEE SHEET 3 OF 21)



- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 141+950 TO STA. 142+300
(SHEET 2 OF 21)

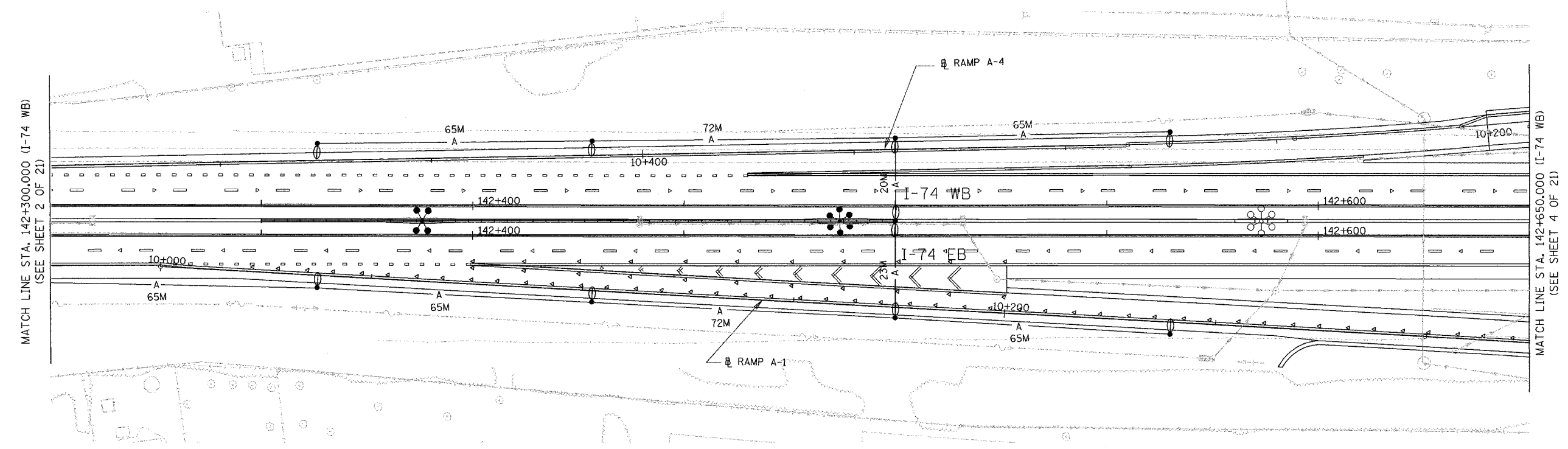
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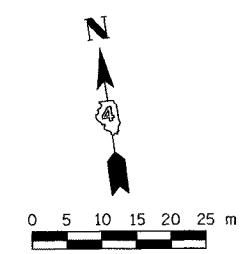
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1269
STA. 142+300.000		TO STA. 142+650.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



MATCH LINE STA. 142+300.000 (I-74 WB)
(SEE SHEET 2 OF 21)

MATCH LINE STA. 142+650.000 (I-74 WB)
(SEE SHEET 4 OF 21)



NOTE
1. THERE ARE NO PROPOSED SIGNS ON THIS SHEET.

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 142+300 TO STA. 142+650
(SHEET 3 OF 21)

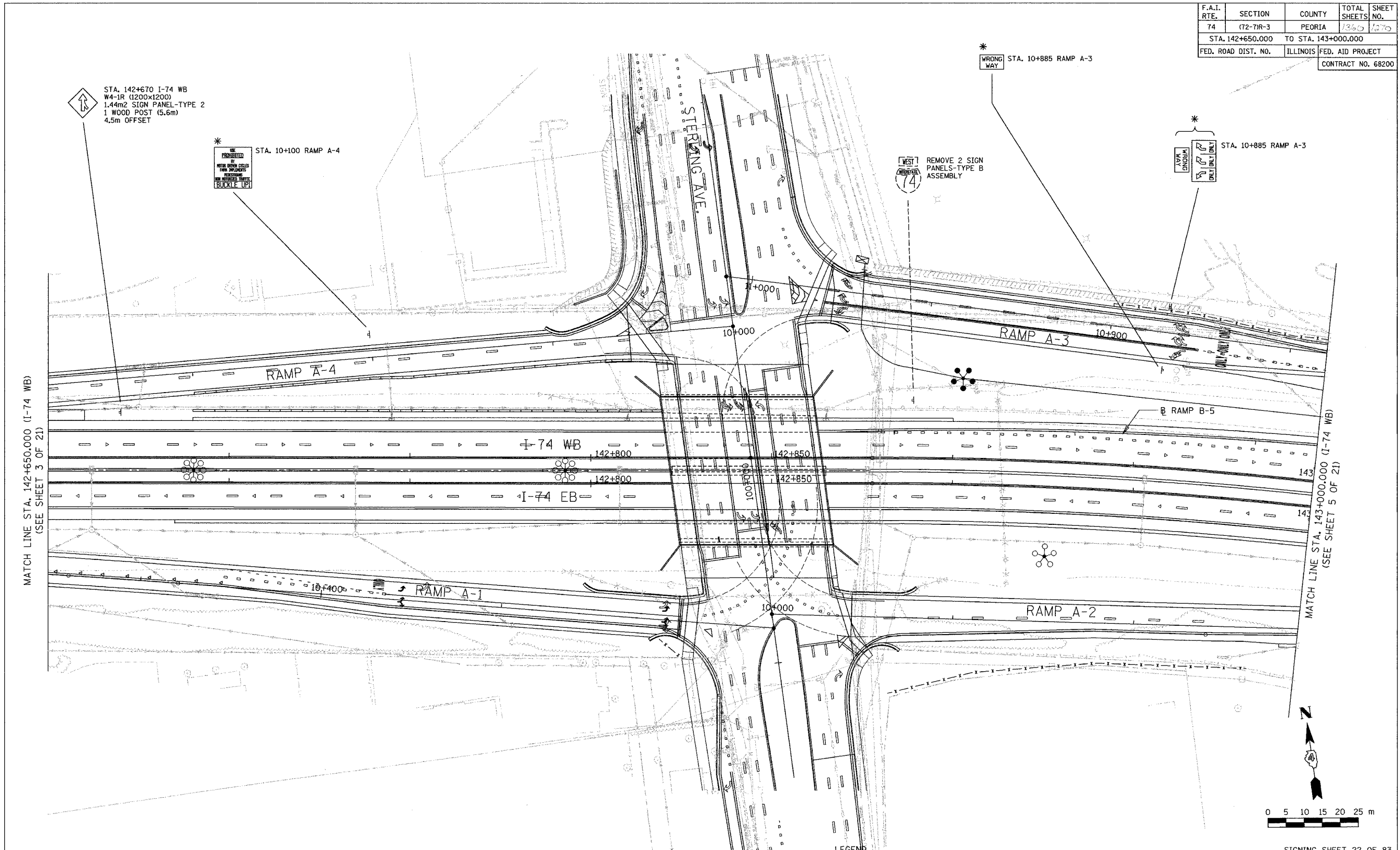
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1350	1270
STA. 142+650.000		TO STA. 143+000.000		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68200	



STA. 142+670 I-74 WB
W4-1R (1200x1200)
1.44m² SIGN PANEL-TYPE 2
1 WOOD POST (5.6m)
4.5m OFFSET

*
NO PROHIBITION
OF MOTOR VEHICLES
FROM OVERTAKING
OR PASSING
BUCKLE UP!

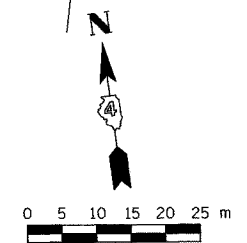
*
WRONG WAY
STA. 10+885 RAMP A-3

WEST
REMOVE 2 SIGN
PANELS-TYPE B
ASSEMBLY

*
LOW GROUP
ONLY (ONLY) ONLY
STA. 10+885 RAMP A-3

MATCH LINE STA. 142+650.000 (I-74 WB)
(SEE SHEET 3 OF 21)

MATCH LINE STA. 143+000.000 (I-74 WB)
(SEE SHEET 5 OF 21)



SIGNING SHEET 22 OF 83

- LEGEND
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 142+650 TO STA. 143+000
(SHEET 4 OF 21)

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DATE 11/15/2004

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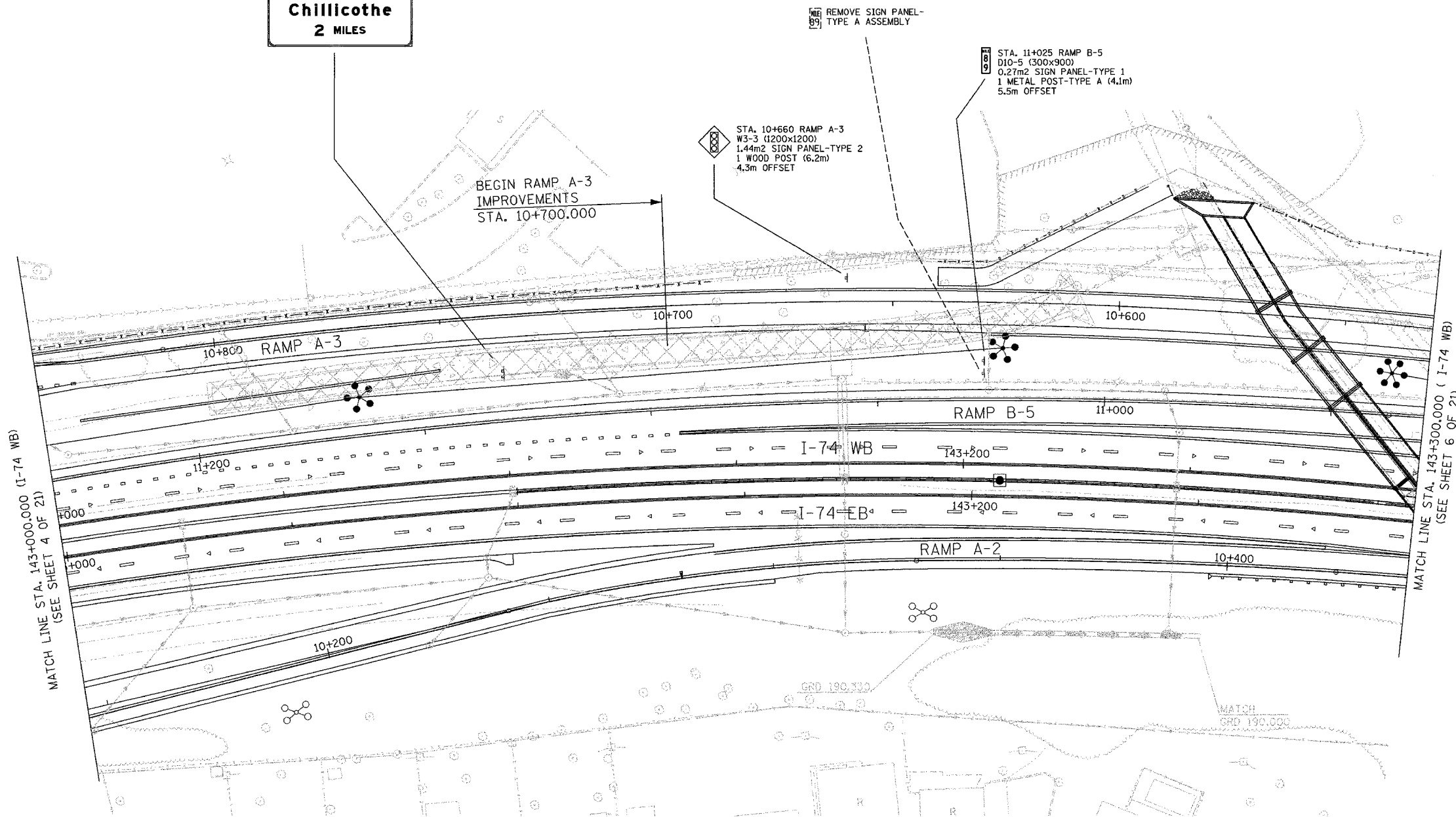
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1271
STA. 143+000.000		TO STA. 143+300.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

1-23

EXITS 87A-B

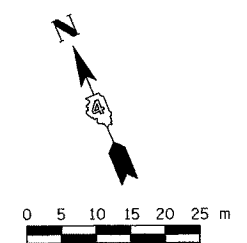
Indianapolis Chillicothe
2 MILES

STA. 143+100 I-74 WB
INSTALL GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS
PANEL SIZE (4650x4420)
6.8m OFFSET



MATCH LINE STA. 143+000.000 (I-74 WB)
(SEE SHEET 4 OF 21)

MATCH LINE STA. 143+300.000 (I-74 WB)
(SEE SHEET 6 OF 21)



- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 143+000 TO STA. 143+300
(SHEET 5 OF 21)

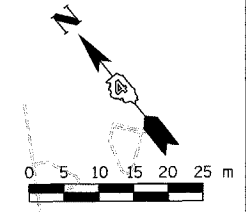
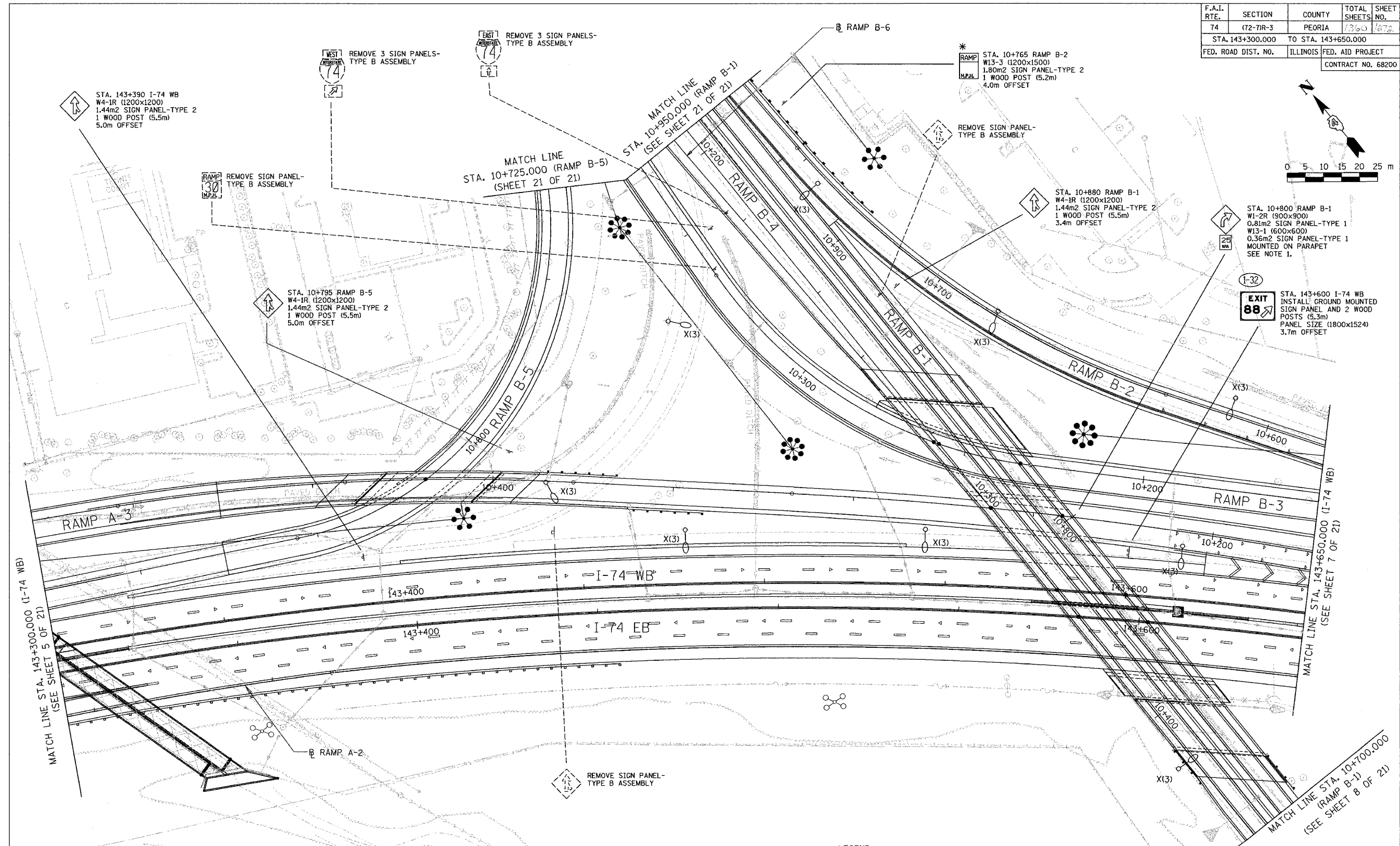
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1472
STA. 143+300.000 TO STA. 143+650.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 68200		



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NOTES
1. REFER TO STANDARD DETAIL 733002-174 AND SPECIAL PROVISION "SIGN SUPPORT, PARAPET MOUNTED, TYPE 1".

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

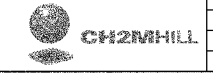
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

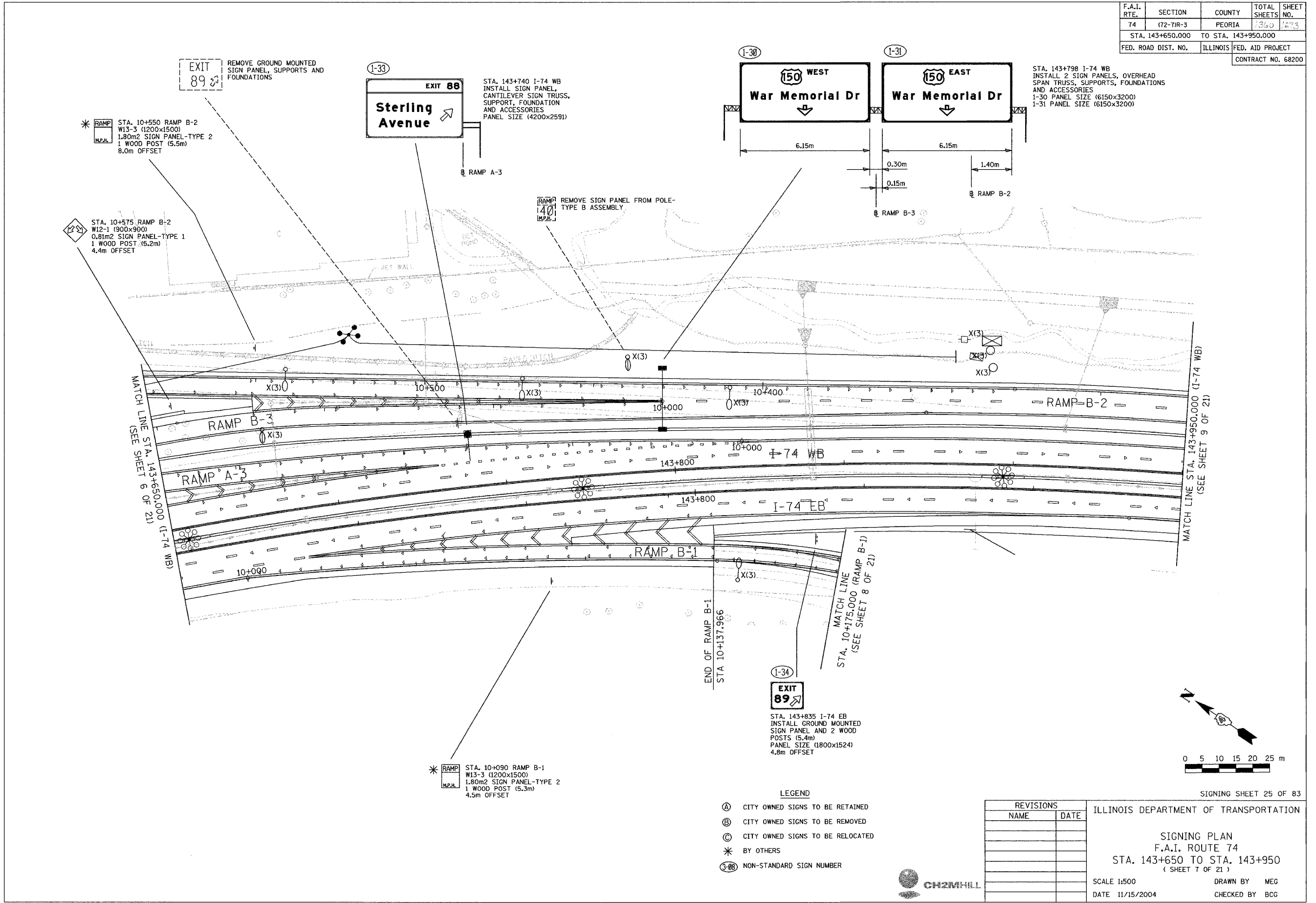
SIGNING PLAN
F.A.I. ROUTE 74
STA. 143+300 TO STA. 143+650
(SHEET 6 OF 21)

SCALE 1:500
DATE 11/15/2004

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1273
STA. 143+650.000		TO STA. 143+950.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	



EXIT 89
 REMOVE GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS

EXIT 88
 STA. 143+740 I-74 WB
 INSTALL SIGN PANEL, CANTILEVER SIGN TRUSS, SUPPORT, FOUNDATION AND ACCESSORIES
 PANEL SIZE (4200x2591)

1-30 WEST
 War Memorial Dr
 6.15m

1-31 EAST
 War Memorial Dr
 6.15m

STA. 143+798 I-74 WB
 INSTALL 2 SIGN PANELS, OVERHEAD SPAN TRUSS, SUPPORTS, FOUNDATIONS AND ACCESSORIES
 1-30 PANEL SIZE (6150x3200)
 1-31 PANEL SIZE (6150x3200)

RAMP
 STA. 10+550 RAMP B-2
 W13-3 (1200x1500)
 1.80m² SIGN PANEL-TYPE 2
 1 WOOD POST (5.5m)
 8.0m OFFSET

RAMP
 STA. 10+575 RAMP B-2
 W12-1 (900x900)
 0.81m² SIGN PANEL-TYPE 1
 1 WOOD POST (5.2m)
 4.4m OFFSET

RAMP
 REMOVE SIGN PANEL FROM POLE-TYPE B ASSEMBLY

MATCH LINE STA. 143+650.000 (I-74 WB)
 (SEE SHEET 6 OF 21)

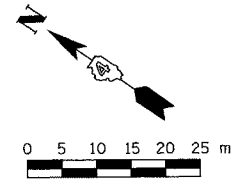
MATCH LINE STA. 143+950.000 (I-74 WB)
 (SEE SHEET 9 OF 21)

END OF RAMP B-1
 STA 10+137.966

MATCH LINE
 STA. 10+175.000 (RAMP B-1)
 (SEE SHEET 8 OF 21)

RAMP
 STA. 10+090 RAMP B-1
 W13-3 (1200x1500)
 1.80m² SIGN PANEL-TYPE 2
 1 WOOD POST (5.3m)
 4.5m OFFSET

EXIT 89
 STA. 143+835 I-74 EB
 INSTALL GROUND MOUNTED SIGN PANEL AND 2 WOOD POSTS (5.4m)
 PANEL SIZE (1800x1524)
 4.8m OFFSET



SIGNING SHEET 25 OF 83

- LEGEND
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (I-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 F.A.I. ROUTE 74
 STA. 143+650 TO STA. 143+950
 (SHEET 7 OF 21)

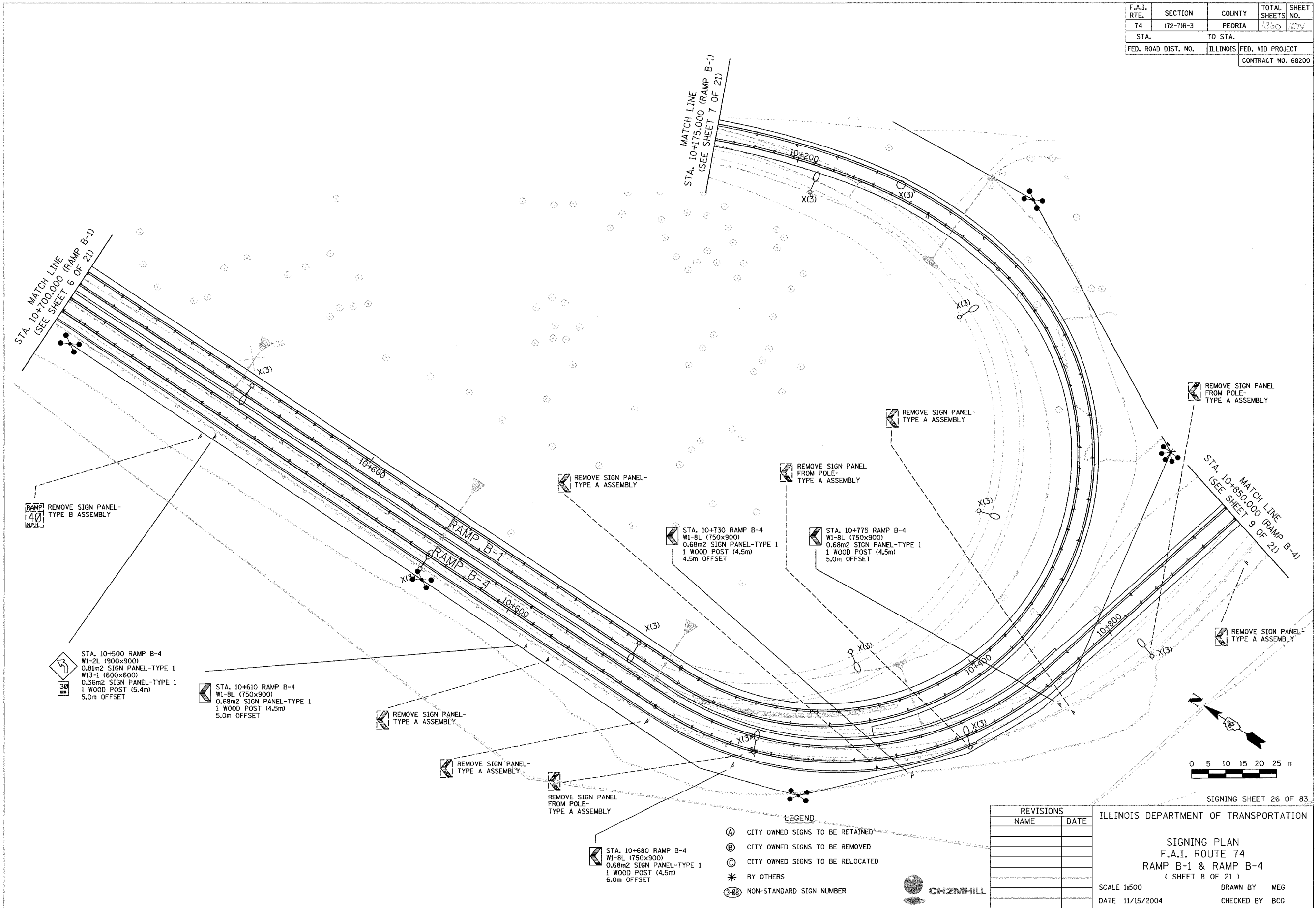
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1274
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



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SIGNING SHEET 26 OF 83

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER



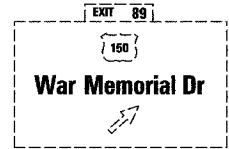
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

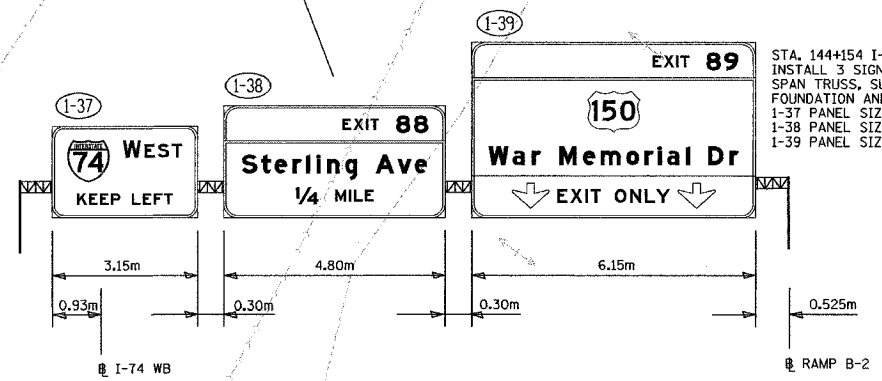
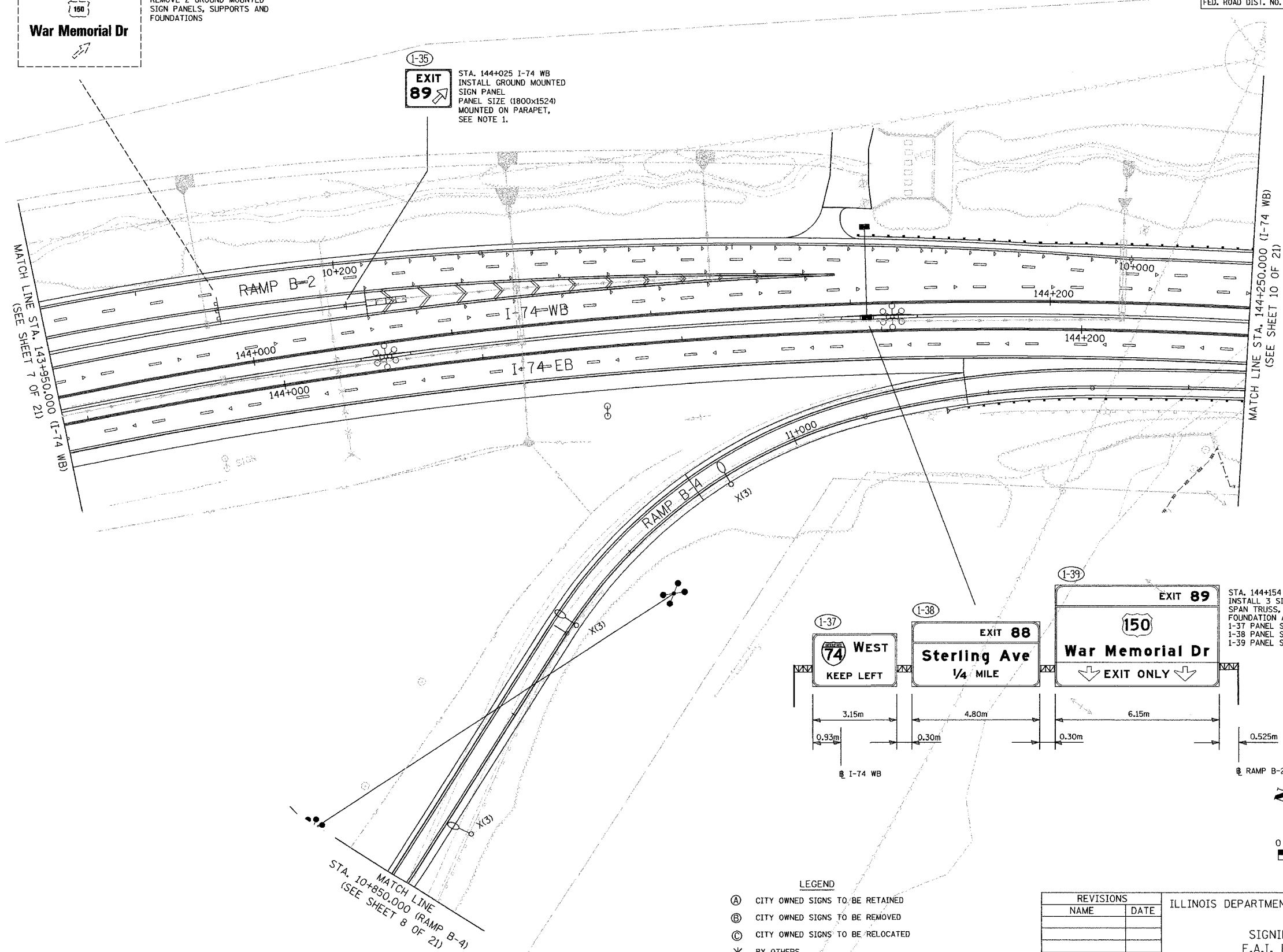
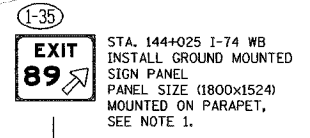
SIGNING PLAN
 F.A.I. ROUTE 74
 RAMP B-1 & RAMP B-4
 (SHEET 8 OF 21)

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 DATE 11/15/2004 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1275
STA. 143+950.000 TO STA. 144+250.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



REMOVE 2 GROUND MOUNTED SIGN PANELS, SUPPORTS AND FOUNDATIONS



STA. 144+154 I-74 WB
INSTALL 3 SIGN PANELS, OVERHEAD SPAN TRUSS, SUPPORTS, OUTSIDE FOUNDATION AND ACCESSORIES
1-37 PANEL SIZE (3150x1981)
1-38 PANEL SIZE (4800x2438)
1-39 PANEL SIZE (6150x3810)



- NOTES**
- REFER TO STANDARD DETAIL 733002-174 AND SPECIAL PROVISION "SIGN SUPPORT, PARAPET MOUNTED, TYPE 1".

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

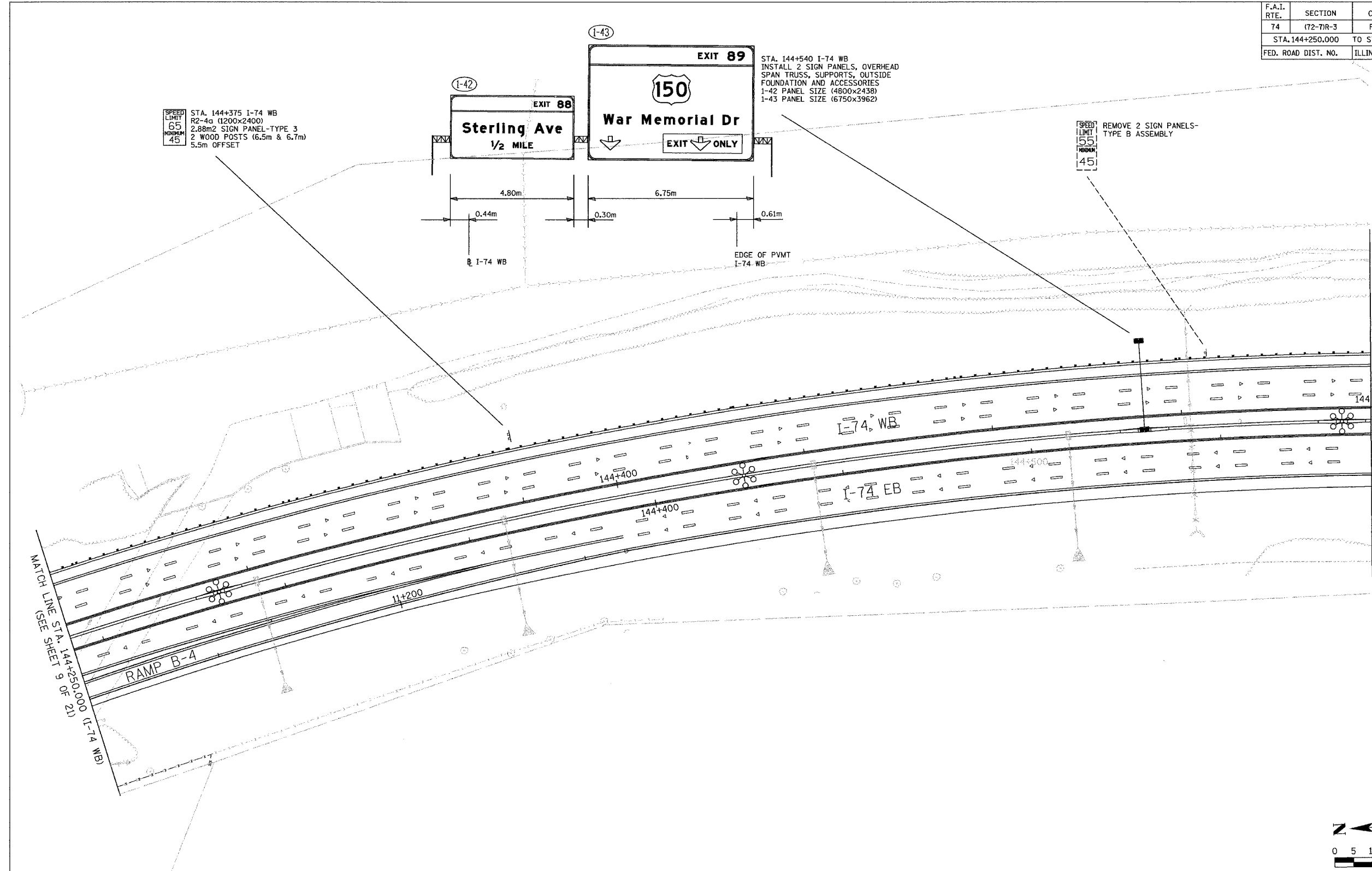
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F.A.I. ROUTE 74
STA. 143+950 TO STA. 144+250
(SHEET 9 OF 21)

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DATE 11/13/2004
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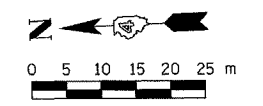


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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1476
STA. 144+250.000		TO STA. 144+600.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68200



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- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

SIGNING SHEET 28 OF 83

ILLINOIS DEPARTMENT OF TRANSPORTATION

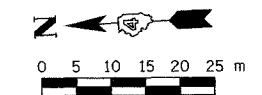
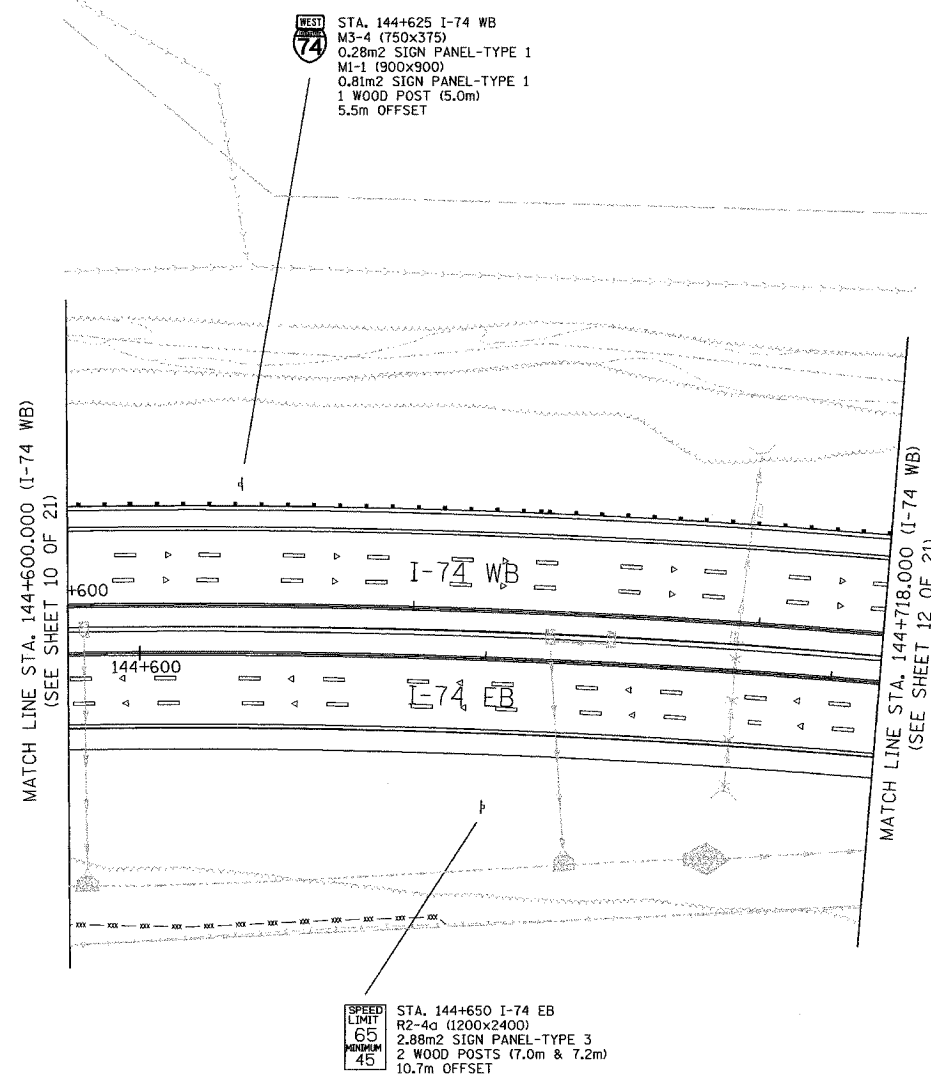
SIGNING PLAN
F.A.I. ROUTE 74
STA. 144+250 TO STA. 144+600
(SHEET 10 OF 21)

SCALE 1:500
DATE 11/15/2004

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-77R-3)	PEORIA	1360	1277
STA. 144+600.000		TO STA. 144+718.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



SIGNING SHEET 29 OF 83

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
F.A.I. ROUTE 74
STA. 144+600 TO STA. 144+718
(SHEET 11 OF 21)

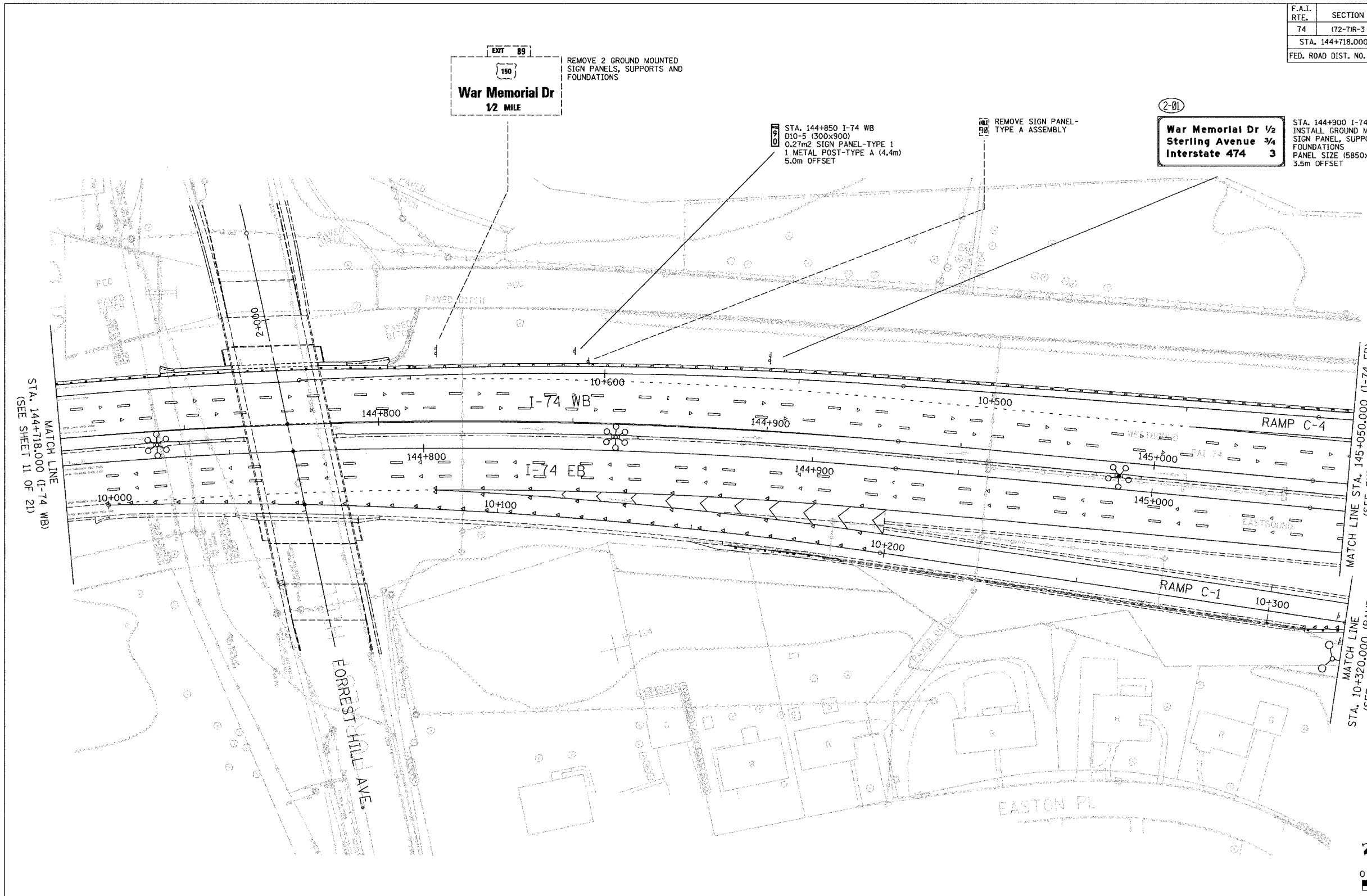
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1860	1273
STA. 144+718.000		TO STA. 145+050.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



EXIT 89
 REMOVE 2 GROUND MOUNTED SIGN PANELS, SUPPORTS AND FOUNDATIONS
War Memorial Dr 1/2

2-01
 STA. 144+850 I-74 WB
 D10-5 (300x900)
 0.27m² SIGN PANEL-TYPE 1
 1 METAL POST-TYPE A (4.4m)
 5.0m OFFSET

REMOVE SIGN PANEL-TYPE A ASSEMBLY

2-01
War Memorial Dr 1/2
Sterling Avenue 3/4
Interstate 474 3

STA. 144+900 I-74 WB
 INSTALL GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS
 PANEL SIZE (5850x2134)
 3.5m OFFSET

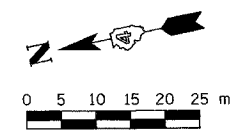
MATCH LINE
 STA. 144+718.000 (I-74 WB)
 (SEE SHEET 11 OF 21)

MATCH LINE STA. 145+050.000 (I-74 EB)
 (SEE SHEET 13 OF 21)

MATCH LINE STA. 10+320.000 (RAMP C-1)
 (SEE SHEET 13 OF 21)

FORREST HILL AVE.

EASTON PL



- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-28) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 F.A.I. ROUTE 74
 STA. 144+718 TO STA. 145+050
 (SHEET 12 OF 21)

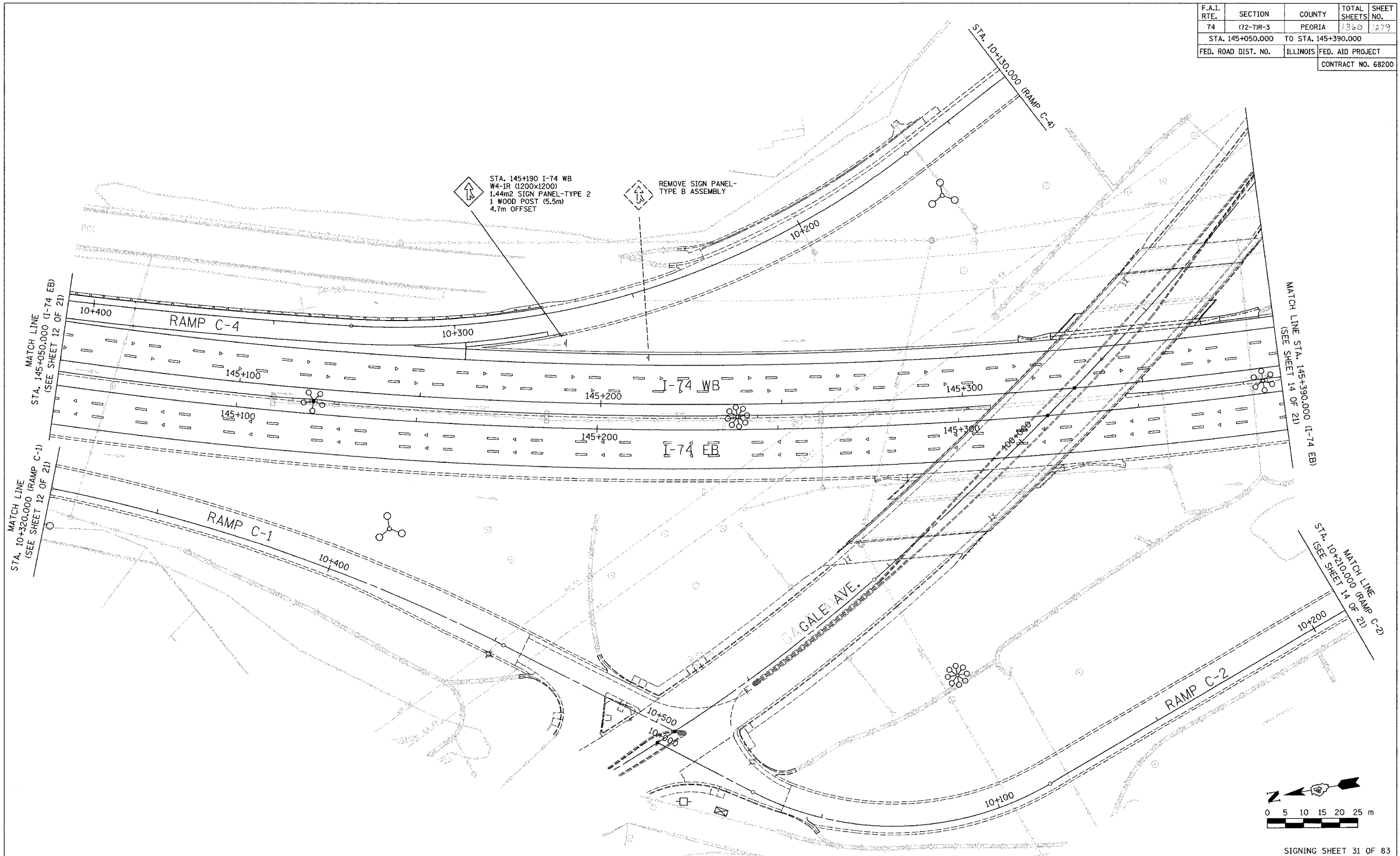
SCALE 1:500
 DATE 11/15/2004

DRAWN BY MEG
 CHECKED BY BCG



11/15/2004 11:52:00 AM c:\work\1091012_75.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-77R-3)	PEORIA	1360	1279
STA. 145+050.000		TO STA. 145+390.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



I:\145052\plan\sheet\contract\145052_79.dgn
 11/13/2004

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER



REVISIONS	
NAME	DATE

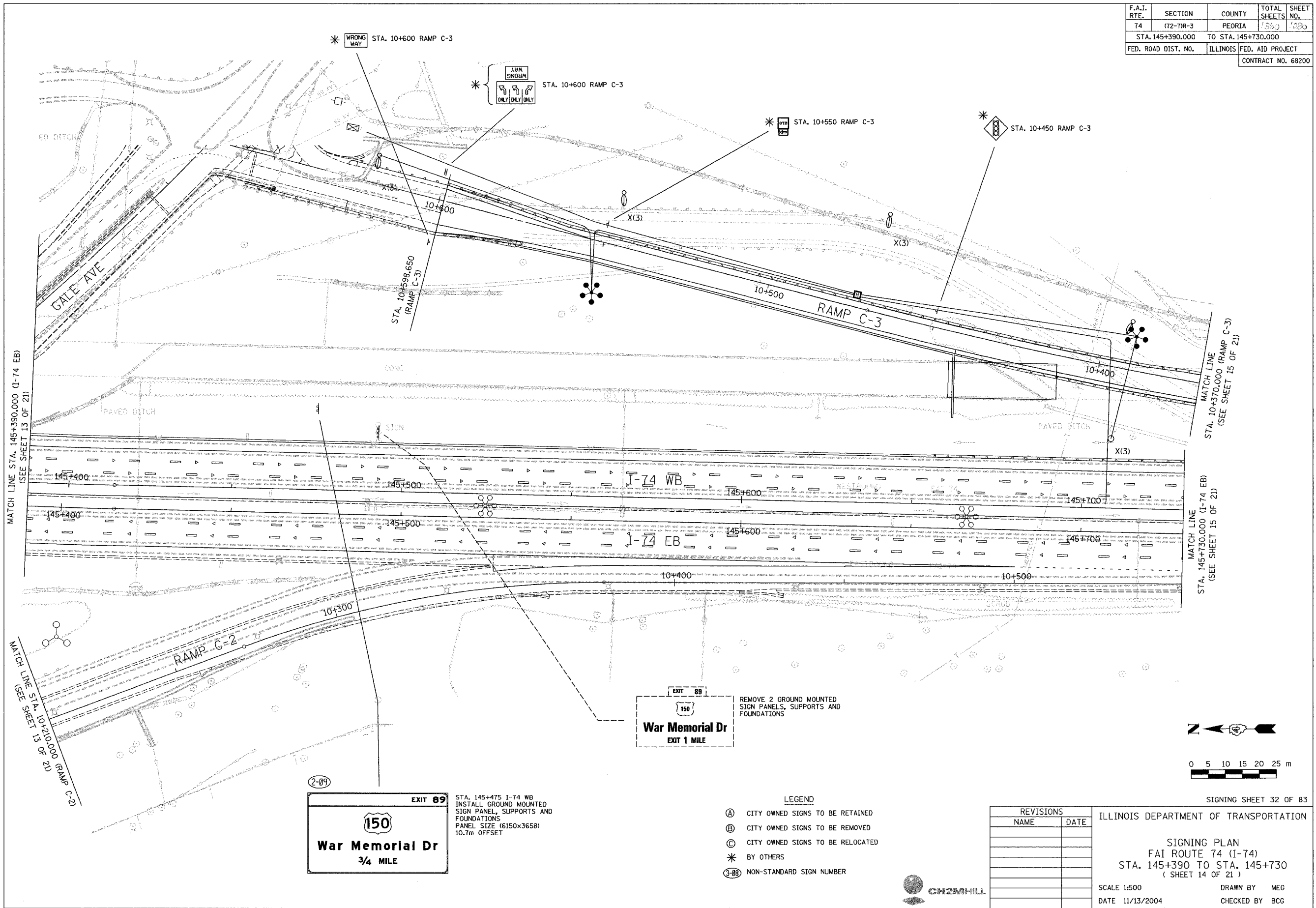
ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 FAI ROUTE 74 (I-74)
 STA. 145+050 TO STA. 145+390
 (SHEET 13 OF 21)

SCALE 1:500
 DATE 11/13/2004

DRAWN BY MEG
 CHECKED BY BCG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-77R-3)	PEORIA	150	108
STA. 145+390.000		TO STA. 145+730.000		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



11/13/2004 11:13:20AM 11/13/2004

2-89

EXIT 89

150

War Memorial Dr

3/4 MILE

STA. 145+475 I-74 WB
 INSTALL GROUND MOUNTED
 SIGN PANEL, SUPPORTS AND
 FOUNDATIONS
 PANEL SIZE (6150x3658)
 10.7m OFFSET

EXIT 89

150

War Memorial Dr

EXIT 1 MILE

REMOVE 2 GROUND MOUNTED
 SIGN PANELS, SUPPORTS AND
 FOUNDATIONS

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

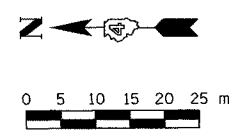
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 FAI ROUTE 74 (I-74)
 STA. 145+390 TO STA. 145+730
 (SHEET 14 OF 21)

SCALE 1:500
 DATE 11/13/2004

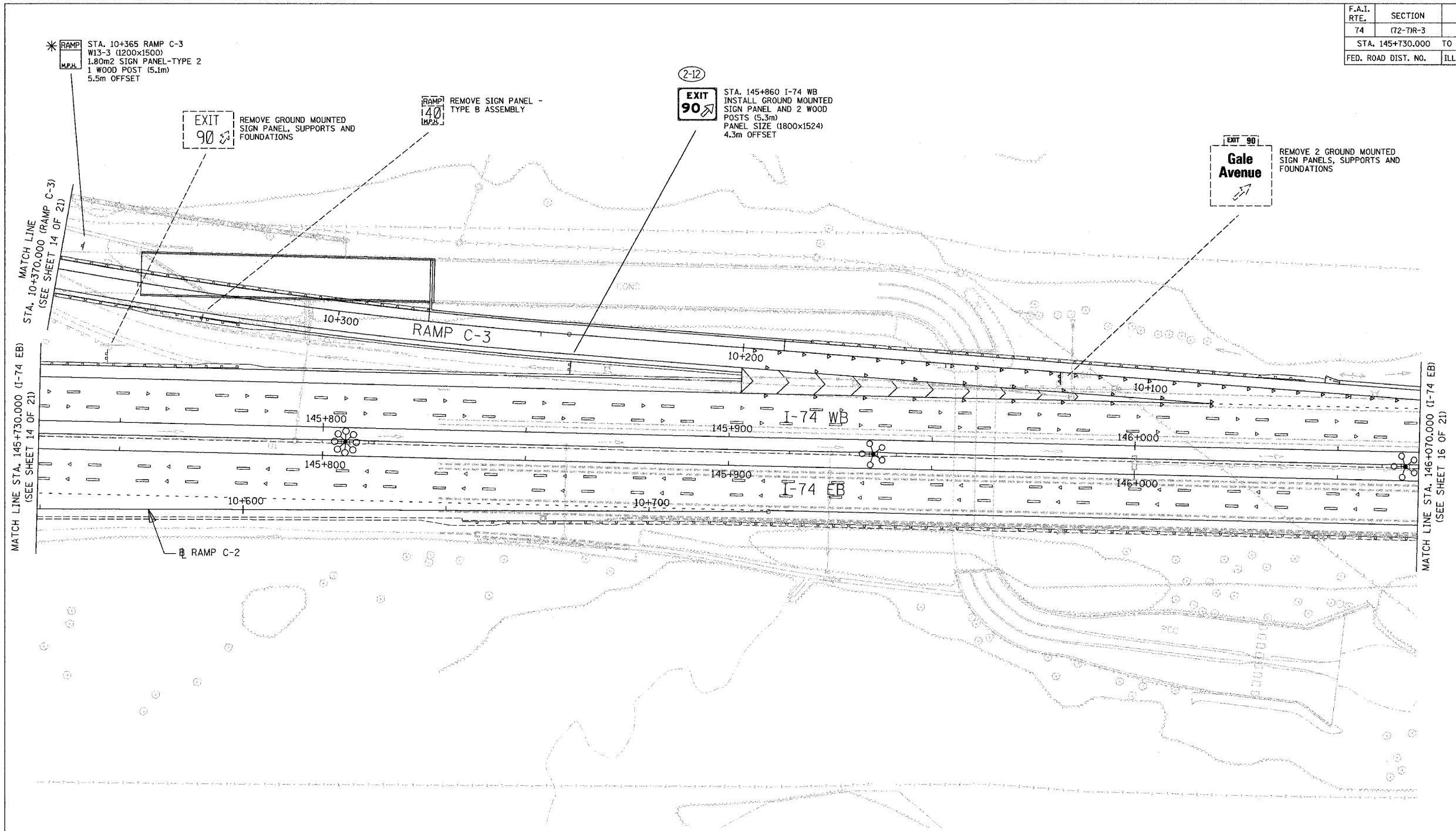
DRAWN BY MEG
 CHECKED BY BCG



SIGNING SHEET 32 OF 83



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	136	128
STA. 145+730.000		TO STA. 146+070.000		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 68200				



* RAMP
STA. 10+365 RAMP C-3
W13-3 (1200x1500)
1.80m² SIGN PANEL-TYPE 2
1 WOOD POST (5.1m)
5.5m OFFSET

EXIT 90
REMOVE GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS

RAMP 140
REMOVE SIGN PANEL - TYPE B ASSEMBLY

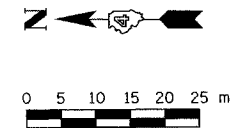
2-12
EXIT 90
STA. 145+860 I-74 WB
INSTALL GROUND MOUNTED SIGN PANEL AND 2 WOOD POSTS (5.3m)
PANEL SIZE (1800x1524)
4.3m OFFSET

EXIT 90
Gale Avenue
REMOVE 2 GROUND MOUNTED SIGN PANELS, SUPPORTS AND FOUNDATIONS

MATCH LINE
STA. 10+370.000 (RAMP C-3)
(SEE SHEET 14 OF 21)

MATCH LINE STA. 145+730.000 (I-74 EB)
(SEE SHEET 14 OF 21)

MATCH LINE STA. 146+070.000 (I-74 EB)
(SEE SHEET 16 OF 21)



SIGNING SHEET 33 OF 83

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
FAI ROUTE 74 (I-74)
STA. 145+730 TO STA. 146+070
(SHEET 15 OF 21)

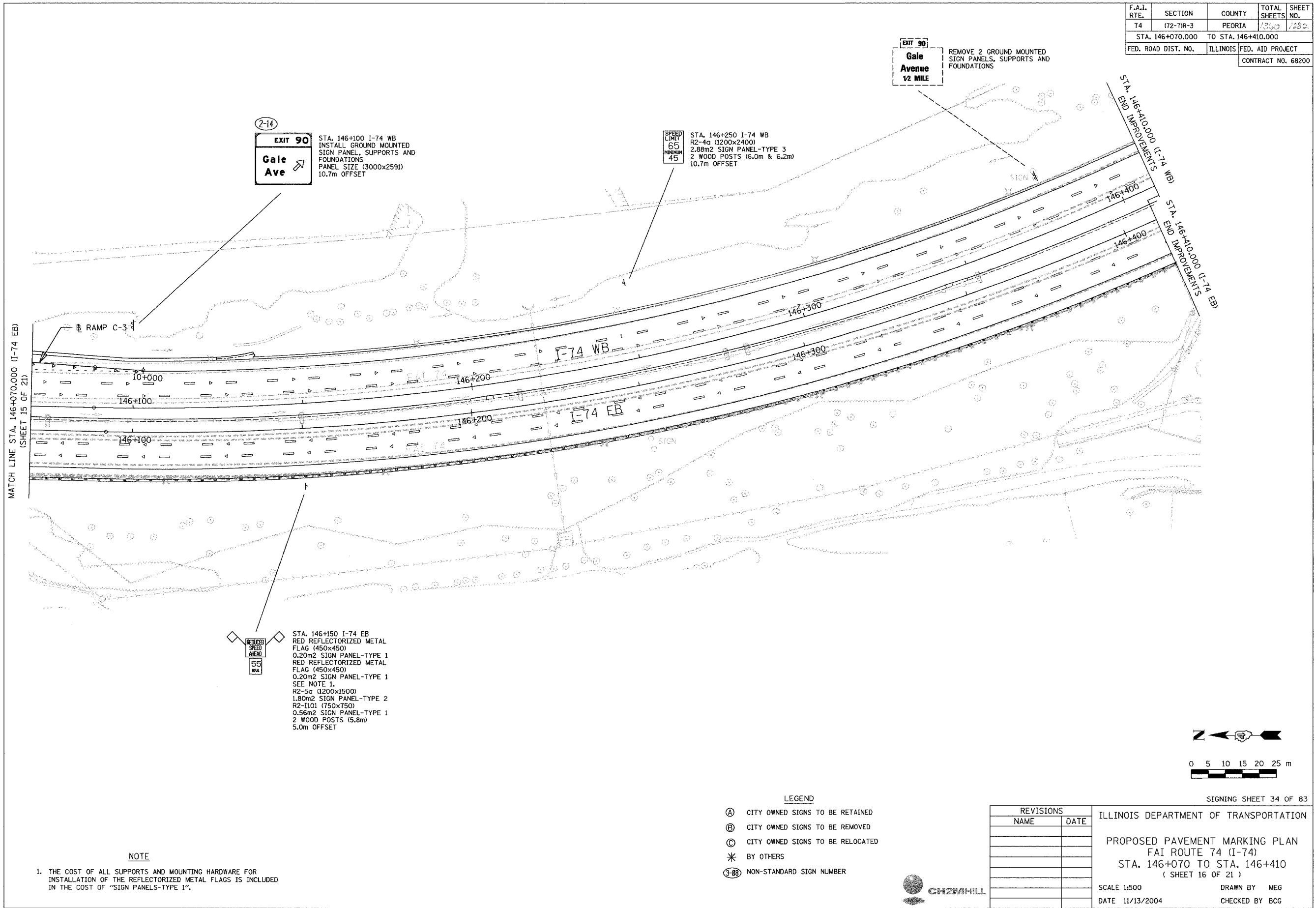
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DATE 11/13/2004

DRAWN BY MEG
CHECKED BY BCG



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1482
STA. 146+070.000		TO STA. 146+410.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 68200	



2-14
EXIT 90
Gale Ave ↗

STA. 146+100 I-74 WB
 INSTALL GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS
 PANEL SIZE (3000x2591)
 10.7m OFFSET

SPEED LIMIT
 65
 MINIMUM
 45

STA. 146+250 I-74 WB
 R2-4c (1200x2400)
 2.80m² SIGN PANEL-TYPE 3
 2 WOOD POSTS (6.0m & 6.2m)
 10.7m OFFSET

EXIT 90
Gale Avenue
 1/2 MILE

REMOVE 2 GROUND MOUNTED SIGN PANELS, SUPPORTS AND FOUNDATIONS

MATCH LINE STA. 146+070.000 (I-74 EB)
 (SHEET 15 OF 21)

STA. 146+400.000 (I-74 WB)
 END IMPROVEMENTS

STA. 146+410.000 (I-74 EB)
 END IMPROVEMENTS

REFLECTORIZED SPEED AHEAD
 55
 MAX

STA. 146+150 I-74 EB
 RED REFLECTORIZED METAL FLAG (450x450)
 0.20m² SIGN PANEL-TYPE 1
 RED REFLECTORIZED METAL FLAG (450x450)
 0.20m² SIGN PANEL-TYPE 1
 SEE NOTE 1.
 R2-5a (1200x1500)
 1.80m² SIGN PANEL-TYPE 2
 R2-I101 (750x750)
 0.56m² SIGN PANEL-TYPE 1
 2 WOOD POSTS (5.8m)
 5.0m OFFSET



SIGNING SHEET 34 OF 83

NOTE

1. THE COST OF ALL SUPPORTS AND MOUNTING HARDWARE FOR INSTALLATION OF THE REFLECTORIZED METAL FLAGS IS INCLUDED IN THE COST OF "SIGN PANELS-TYPE 1".

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

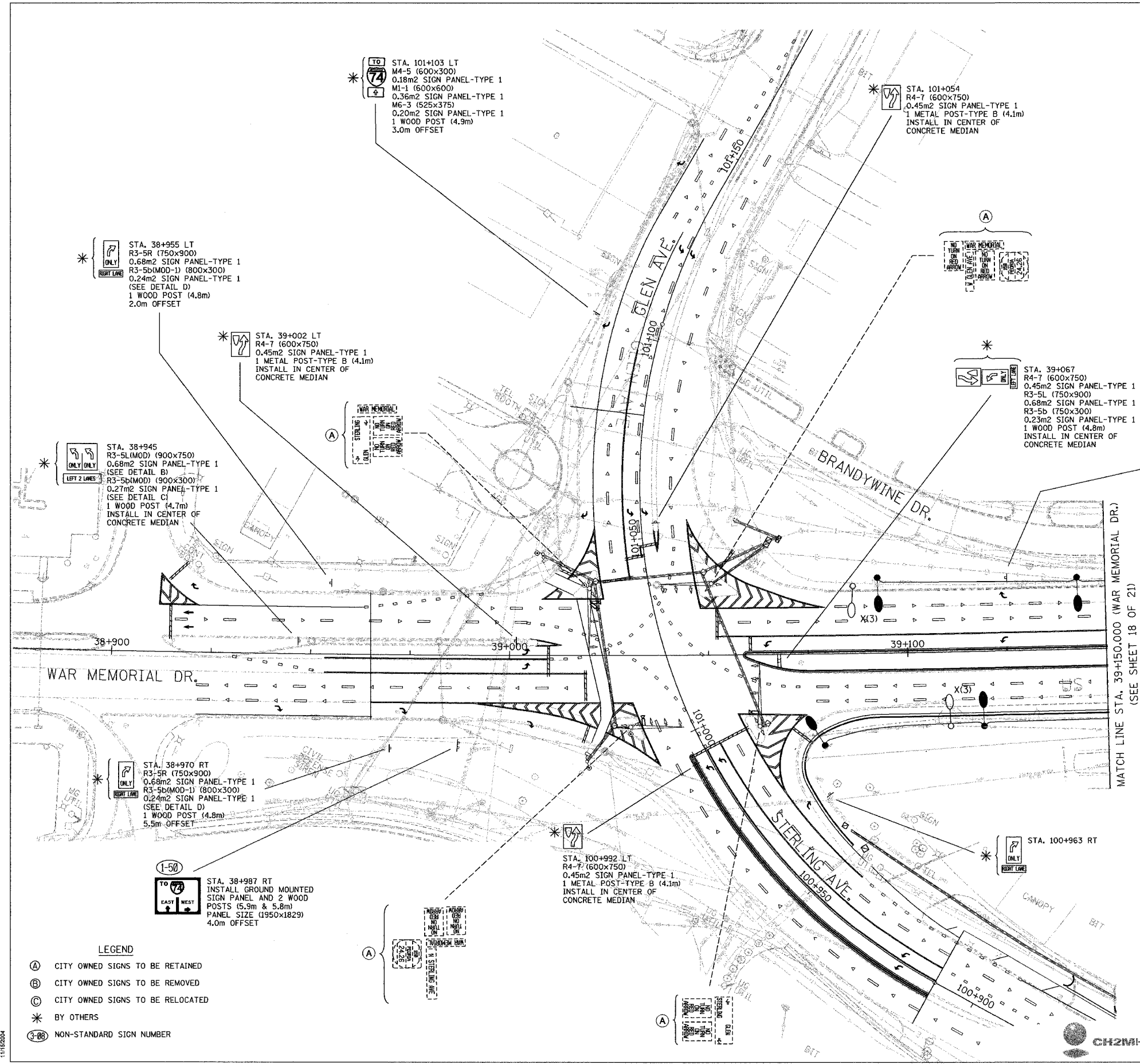
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED PAVEMENT MARKING PLAN
 FAI ROUTE 74 (I-74)
 STA. 146+070 TO STA. 146+410
 (SHEET 16 OF 21)
 SCALE 1:500
 DATE 11/13/2004
 DRAWN BY MEG
 CHECKED BY BCG



11/13/2004 11:12:00 AM 10/13/2004 10:10:10 AM 10/13/2004 10:10:10 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1360	1283
STA. 38+811.662 TO STA. 39+150.000				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



STA. 38+955 LT
R3-5R (750x900)
0.68m² SIGN PANEL-TYPE 1
R3-5b(MOD-1) (800x300)
0.24m² SIGN PANEL-TYPE 1
(SEE DETAIL D)
1 WOOD POST (4.8m)
2.0m OFFSET

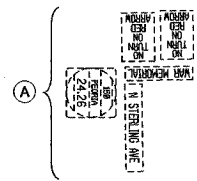
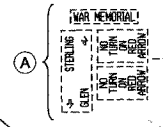
STA. 38+945
R3-5L(MOD) (900x750)
0.68m² SIGN PANEL-TYPE 1
(SEE DETAIL B)
R3-5b(MOD) (900x300)
0.27m² SIGN PANEL-TYPE 1
(SEE DETAIL C)
1 WOOD POST (4.7m)
INSTALL IN CENTER OF
CONCRETE MEDIAN

STA. 38+970 RT
R3-5R (750x900)
0.68m² SIGN PANEL-TYPE 1
R3-5b(MOD-1) (800x300)
0.24m² SIGN PANEL-TYPE 1
(SEE DETAIL D)
1 WOOD POST (4.8m)
5.5m OFFSET

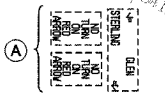
1-50
TO 74
EAST WEST
STA. 38+987 RT
INSTALL GROUND MOUNTED
SIGN PANEL AND 2 WOOD
POSTS (5.9m & 5.8m)
PANEL SIZE (1950x1829)
4.0m OFFSET

TO 74
STA. 101+103 LT
M4-5 (600x300)
0.18m² SIGN PANEL-TYPE 1
M1-1 (600x600)
0.36m² SIGN PANEL-TYPE 1
M6-3 (525x375)
0.20m² SIGN PANEL-TYPE 1
1 WOOD POST (4.9m)
3.0m OFFSET

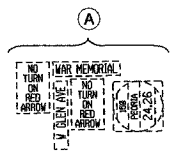
STA. 39+002 LT
R4-7 (600x750)
0.45m² SIGN PANEL-TYPE 1
1 METAL POST-TYPE B (4.1m)
INSTALL IN CENTER OF
CONCRETE MEDIAN



STA. 100+992 LT
R4-7 (600x750)
0.45m² SIGN PANEL-TYPE 1
1 METAL POST-TYPE B (4.1m)
INSTALL IN CENTER OF
CONCRETE MEDIAN



STA. 101+054
R4-7 (600x750)
0.45m² SIGN PANEL-TYPE 1
1 METAL POST-TYPE B (4.1m)
INSTALL IN CENTER OF
CONCRETE MEDIAN

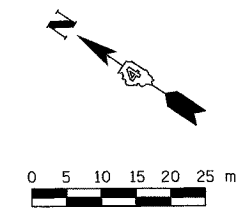


STA. 39+067
R4-7 (600x750)
0.45m² SIGN PANEL-TYPE 1
R3-5L (750x900)
0.68m² SIGN PANEL-TYPE 1
R3-5b (750x300)
0.23m² SIGN PANEL-TYPE 1
1 WOOD POST (4.8m)
INSTALL IN CENTER OF
CONCRETE MEDIAN

STA. 39+125 LT
R3-5R (750x900)
0.68m² SIGN PANEL-TYPE 1
R3-5b(MOD-1) (800x300)
0.24m² SIGN PANEL-TYPE 1
(SEE DETAIL D)
1 WOOD POST (4.8m)
2.5m OFFSET

STA. 100+963 RT
RIGHT TURN ONLY

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-86) NON-STANDARD SIGN NUMBER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAR MEMORIAL DRIVE
STA. 38+811.662 TO STA. 39+150.000
(SHEET 17 OF 21)

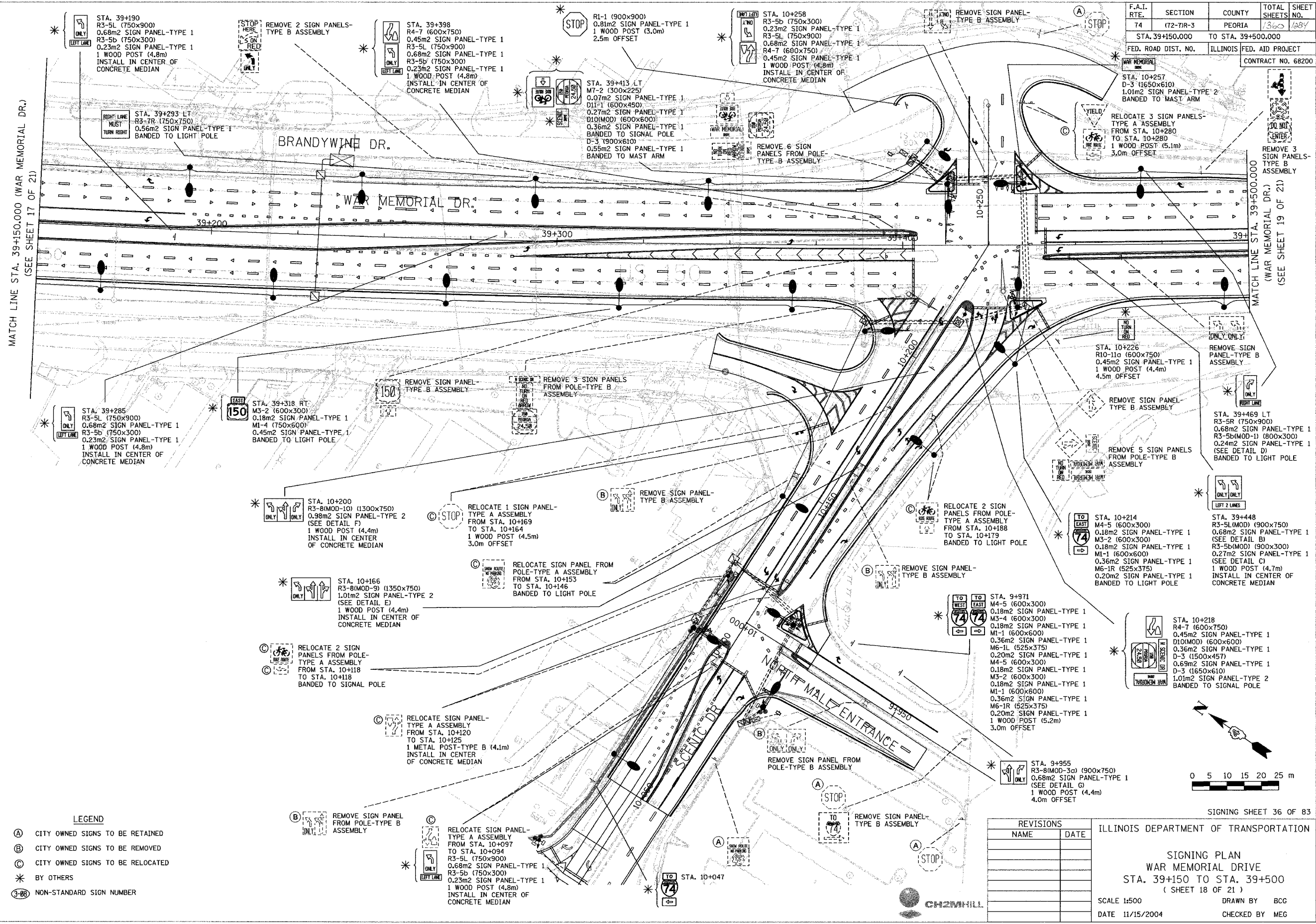
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DATE 11/15/2004

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CHECKED BY MEG

11/15/2004 11:15:00 AM 11/15/2004 10:49:07 AM 74-800



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	136	187
STA. 39+150.000 TO STA. 39+500.000		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 68200		



MATCH LINE STA. 39+150.000 (WAR MEMORIAL DR.)
(SEE SHEET 17 OF 21)

MATCH LINE STA. 39+500.000
(WAR MEMORIAL DR.)
(SEE SHEET 19 OF 21)

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

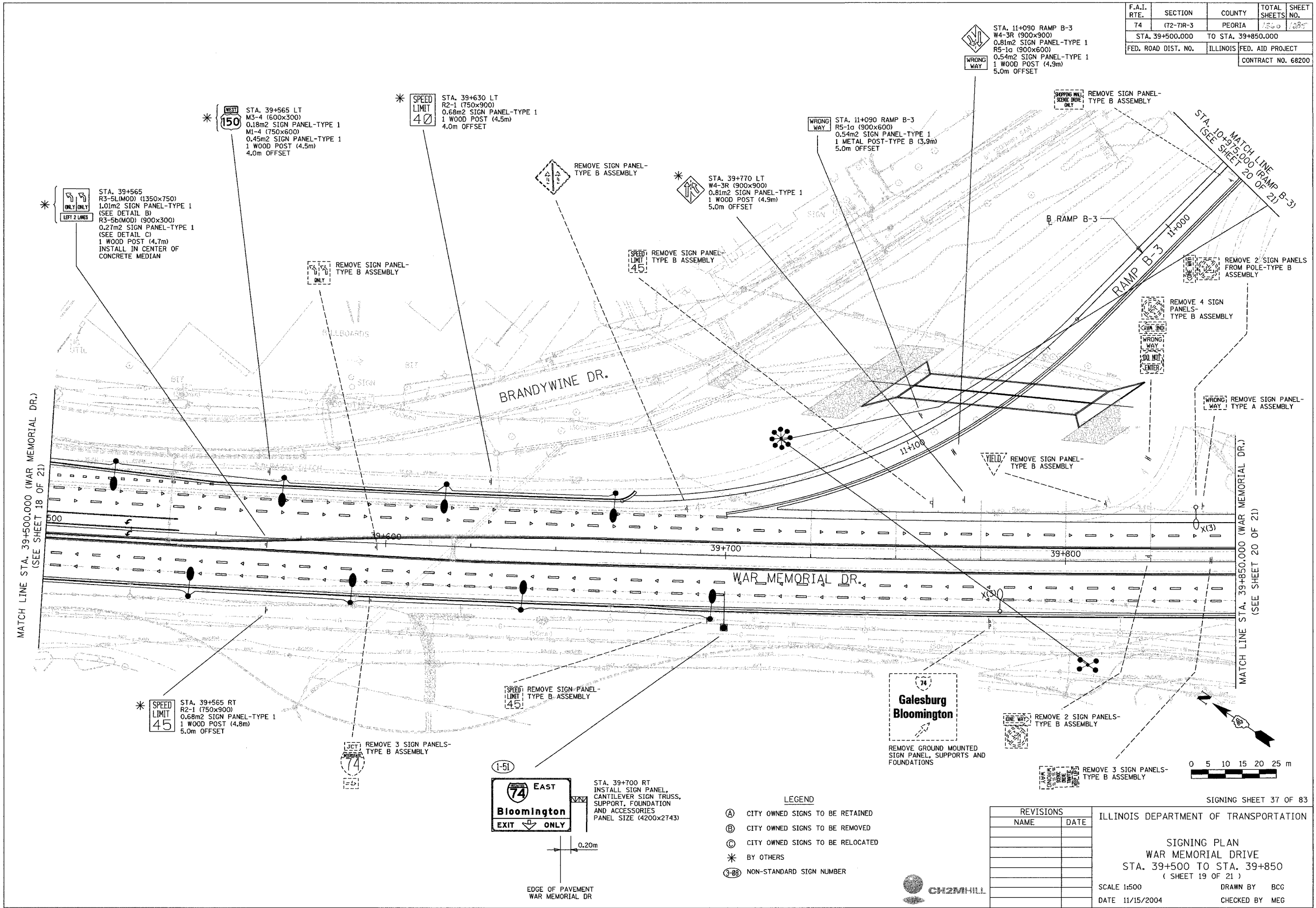
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WAR MEMORIAL DRIVE
STA. 39+150 TO STA. 39+500
(SHEET 18 OF 21)

SCALE 1:500
DATE 11/15/2004

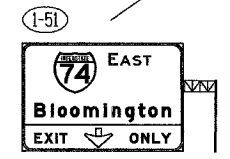
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CHECKED BY MEG

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1260	1085
STA. 39+500.000 TO STA. 39+850.000		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 68200		



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- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAR MEMORIAL DRIVE
STA. 39+500 TO STA. 39+850
(SHEET 19 OF 21)

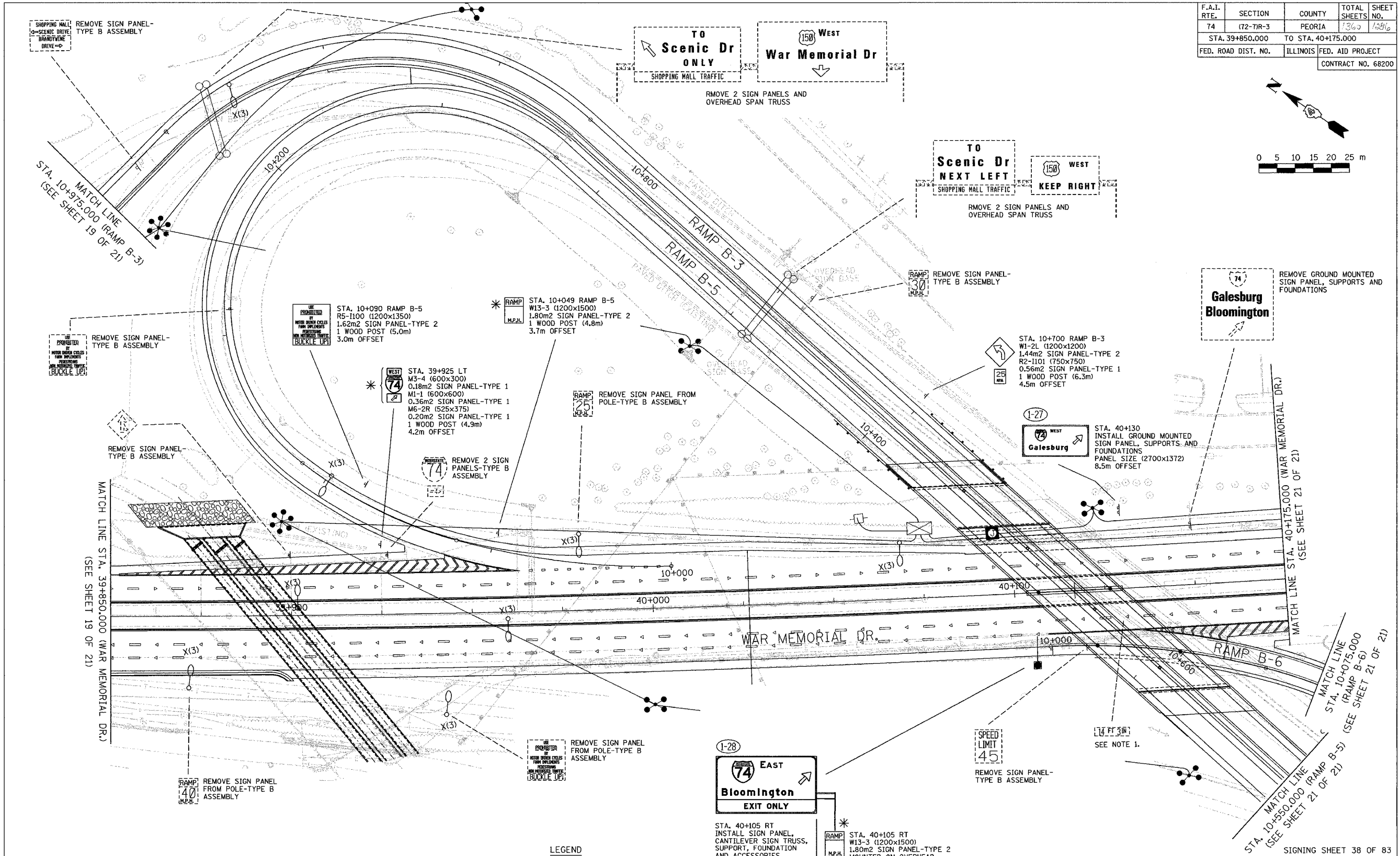
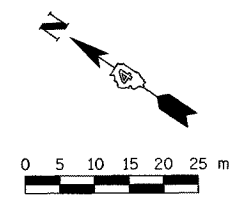
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DATE 11/15/2004

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CHECKED BY MEG

SIGNING SHEET 37 OF 83

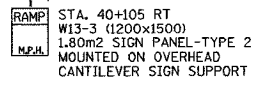
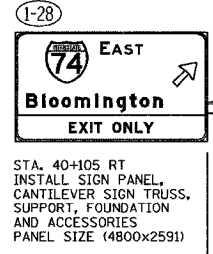


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1281
STA. 39+850.000		TO STA. 40+175.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68200



NOTE
 1. REMOVAL OF EXISTING BRIDGE MOUNTED VERTICAL CLEARANCE SIGN PANELS IS INCLUDED IN THE COST OF "REMOVAL OF EXISTING STRUCTURES".

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

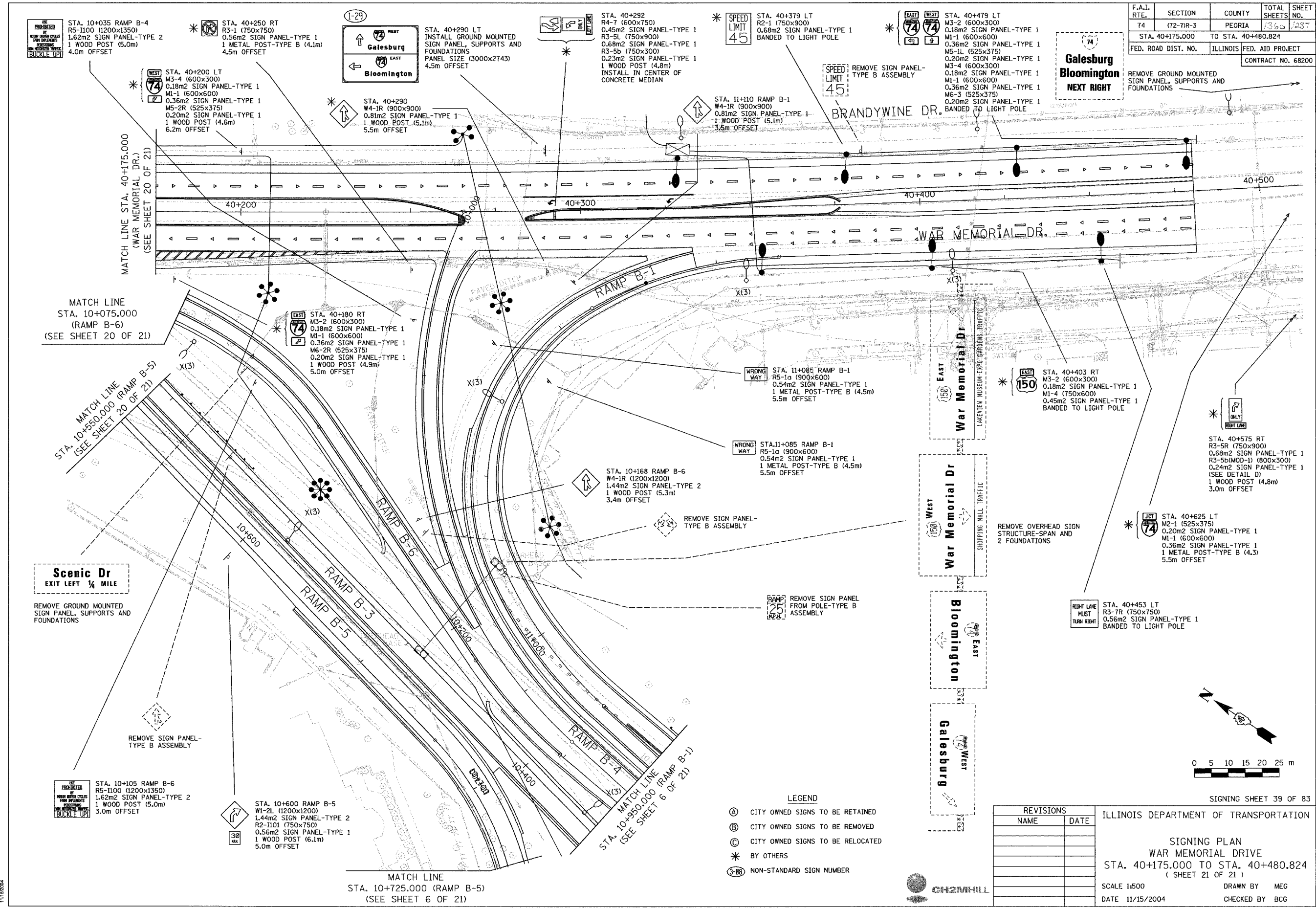
SIGNING PLAN
 WAR MEMORIAL DRIVE
 STA. 39+850 TO STA. 40+175
 (SHEET 20 OF 21)

SCALE 1:500
 DATE 11/15/2004

DRAWN BY MEG
 CHECKED BY BCG

11/15/2004 11:52:04

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-71R-3	PEORIA	136	1287
STA. 40+175.000 TO STA. 40+480.824				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 68200		



Scenic Dr
EXIT LEFT 1/4 MILE

REMOVE GROUND MOUNTED SIGN PANEL, SUPPORTS AND FOUNDATIONS

STA. 10+105 RAMP B-6
R5-I100 (1200x1350)
1.62m² SIGN PANEL-TYPE 2
1 WOOD POST (5.0m)
3.0m OFFSET

STA. 10+600 RAMP B-5
W1-2L (1200x1200)
1.44m² SIGN PANEL-TYPE 2
R2-II01 (750x750)
0.56m² SIGN PANEL-TYPE 1
1 WOOD POST (6.1m)
5.0m OFFSET

MATCH LINE
STA. 10+725.000 (RAMP B-5)
(SEE SHEET 6 OF 21)

- LEGEND**
- (A) CITY OWNED SIGNS TO BE RETAINED
 - (B) CITY OWNED SIGNS TO BE REMOVED
 - (C) CITY OWNED SIGNS TO BE RELOCATED
 - * BY OTHERS
 - (3-88) NON-STANDARD SIGN NUMBER

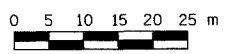
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
WAR MEMORIAL DRIVE
STA. 40+175.000 TO STA. 40+480.824
(SHEET 21 OF 21)

SCALE 1:500
DATE 11/15/2004

DRAWN BY MEG
CHECKED BY BCG



SIGNING SHEET 39 OF 83

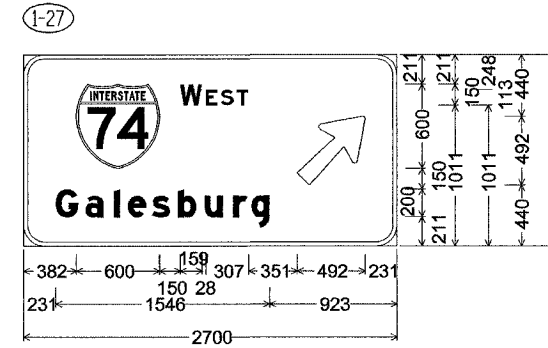
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1293
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



300mm Radius, 50mm Border, White on Green;
 [EXITS] E; [87A-B] E Mod;
 300mm Radius, 50mm Border, White on Green;
 Interstate 474 375mm D; Rounded Rectangle 56mm Radius;
 [Indianapolis] E Mod; [Chillicothe] E Mod; [2] E Mod; [MILES] E;
 Table of letter and object lefts.

E	X	I	T	S	B	7	A	-	B		
1065	1304	1575	1671	1910	2488	2870	3253	3686	3971		
1063	2688										
I	n	d	i	a	n	a	p	o	i	i	s
386	631	1016	1432	1632	2046	2430	2844	3192	3584	3816	4006
C	h	i	l	i	c	o	t	h	e		
603	1060	1476	1708	1940	2172	2373	2725	3072	3403	3787	
2	M	I	L	E	S						
1442	2121	2419	2528	2767	3006						



150mm Radius, 30mm Border, White on Green;
 [WEST] E; [Galesburg] E Mod;
 Arrow 80 - 625mm 45°;
 Table of letter and object lefts.

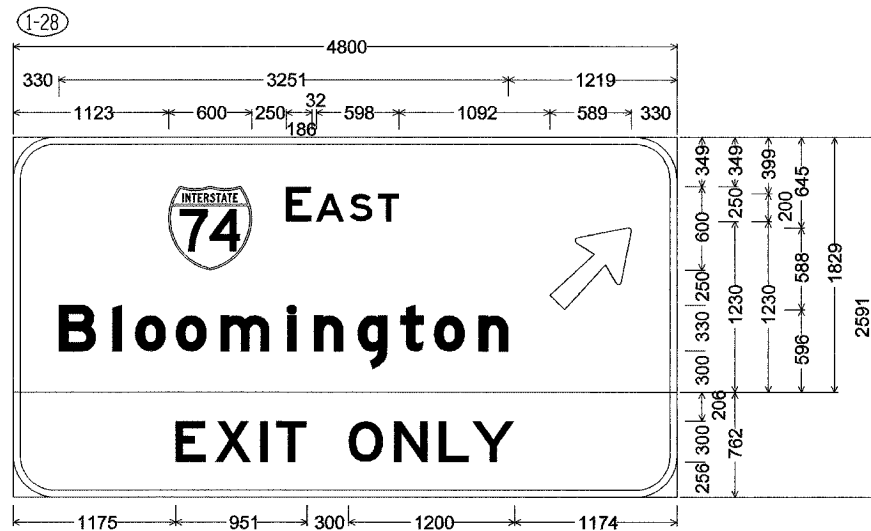
W	E	S	T					
382	1132	1319	1427	1542	1977			
G	a	i	e	s	b	u	r	g
231	447	654	754	927	1118	1310	1518	1647

SIGNING SHEET 40 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE 1:500		DRAWN BY BCG CHECKED BY MEG
DATE 11/13/2004		



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7)R-3	PEORIA	1360	1637
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



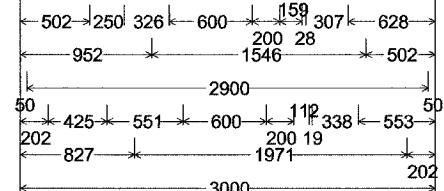
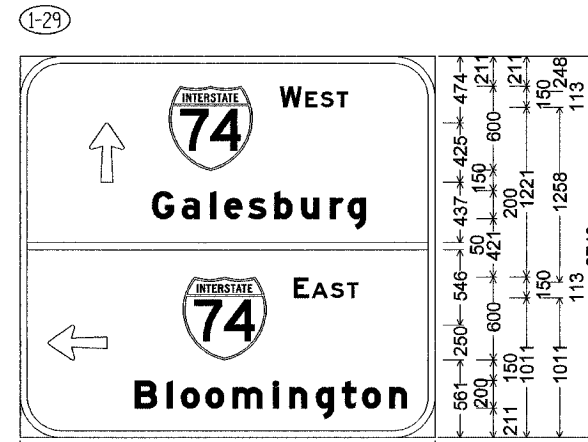
300mm Radius, 50mm Border, White on Green;
[EAST] E; [Bloomington] E Mod; Arrow 133 - 750mm 45°;
300mm Radius, 50mm Border, Black on Yellow;
[EXIT ONLY] E;

Table of letter and object lefts.

E	A	S	T
1123	1973	2191	2436

B	I	O	O	M	I	N	G	T	O	N
330	718	883	1177	1500	1983	2174	2492	2800	3043	3367

E	X	I	T	O	N	L	Y
1175	1461	1787	1902	2426	2756	3077	3321



300mm Radius, 50mm Border, White on Green;
Arrow Custom - 425mm 90°; [WEST] E;
[Galesburg] E Mod;
Arrow Custom - 425mm 180°; [EAST] E;
[Bloomington] E Mod;

Table of letter and object lefts.

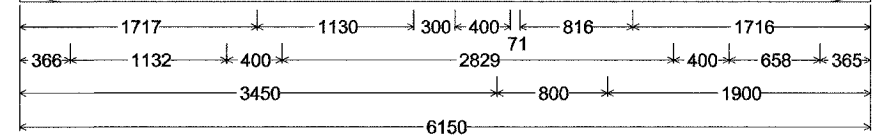
↑	74	W	E	S	T
502	1078	1878	2065	2173	2288

G	a	i	e	s	b	u	r	g
952	1168	1375	1475	1648	1839	2031	2239	2368

50

←	74	E	A	S	T
202	1178	1978	2109	2247	2362

B	I	O	O	M	I	N	G	T	O	N
827	1062	1162	1340	1536	1829	1945	2137	2324	2472	2688



300mm Radius, 50mm Border, White on Green;
[WEST] E; [War Memorial Dr] E Mod; Down Arrow 550mm 270°;

Table of letter and object lefts.

150	W	E	S	T
1717	3147	3618	3904	4210

W	a	r	M	e	m	o	r	i	a	i	D	r
366	887	1300	1898	2411	2799	3353	3745	4037	4237	4651	5127	5587

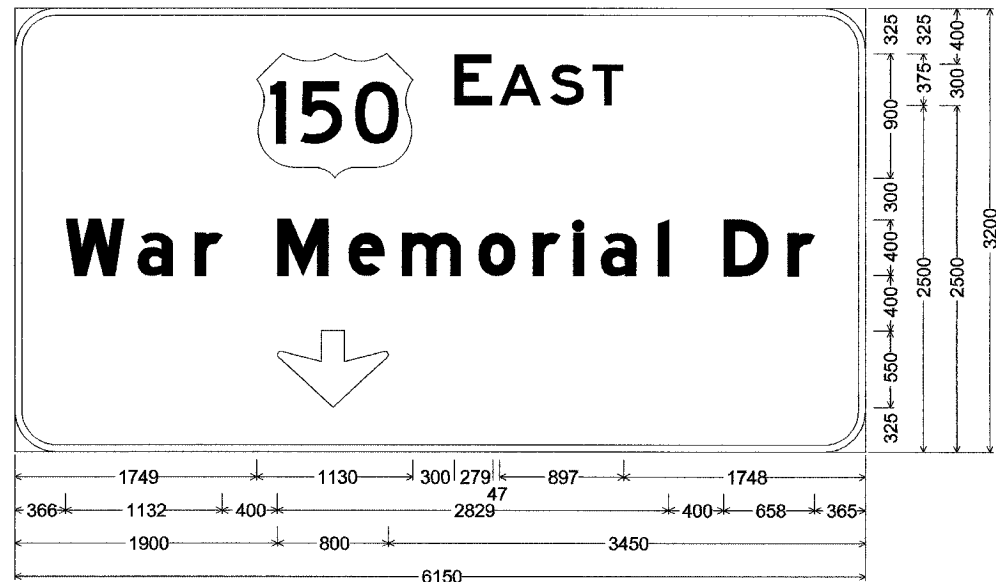
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3450

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SIGNING PLAN SIGN PANEL DETAILS
		SCALE 1:500
		DATE 11/13/2004
		DRAWN BY BCG
		CHECKED BY MEG



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1300	1290
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

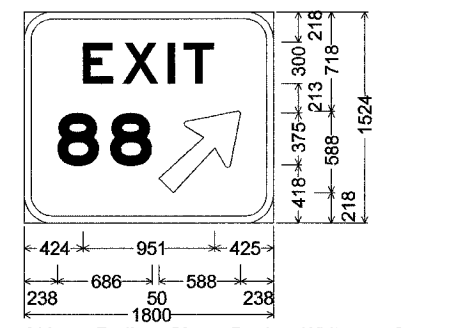
1-31



300mm Radius, 50mm Border, White on Green;
[EAST] E; [War Memorial Dr] E Mod; Down Arrow 550mm 270°;
Table of letter and object lefts.

150	E	A	S	T								
1749	3179	3505	3873	4179								
W	a	r	M	e	m	o	r	i	a	i	D	r
366	887	1300	1898	2411	2799	3353	3745	4037	4237	4651	5127	5587
↓												
1900												

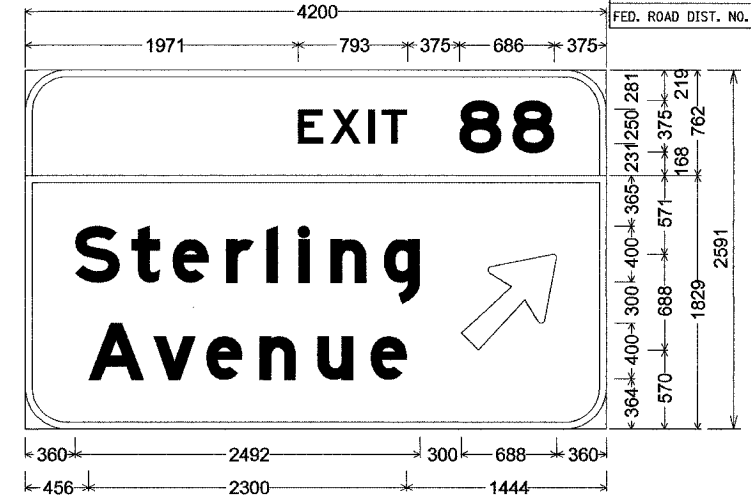
1-32



200mm Radius, 50mm Border, White on Green;
[EXIT] E; [88] E Mod;
Arrow 133 - 750mm 45°;
Table of letter and object lefts.

E	X	I	T
424	711	1036	1152
8	8	↗	
238	620	974	

1-33



300mm Radius, 50mm Border, White on Green;
[EXIT] E; [88] E Mod;
300mm Radius, 50mm Border, White on Green;
[Sterling] E Mod; [Avenue] E Mod; Arrow 160 - 875mm 45°;
Table of letter and object lefts.

E	X	I	T	8	8			
1971	2210	2481	2577	3139	3521			
S	t	e	r	i	n	g	↗	
360	769	1064	1452	1744	1976	2208	2592	3152
A	v	e	n	u	e			
456	926	1308	1696	2112	2496			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE 1:500
DATE 11/13/2004

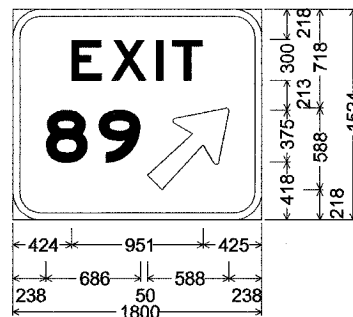
DRAWN BY BCG
CHECKED BY MEG



11/13/2004 11:13:20AM 11/13/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1360	1297
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				

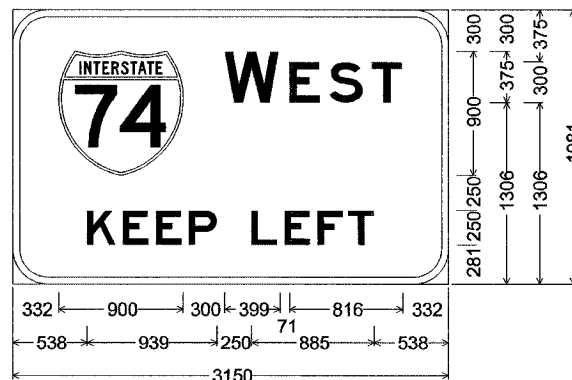
1-34 & 1-35



200mm Radius, 50mm Border, White on Green;
 [EXIT] E; [89] E Mod;
 Arrow 133 - 750mm 45°;
 Table of letter and object lefts.

E	X	I	T
424	711	1036	1152
8	9	↗	
238	620	974	

1-37



250mm Radius, 50mm Border, White on Green;
 Interstate 74 450mm D; [WEST] E;
 [KEEP LEFT] E;
 Table of letter and object lefts.

74	W	E	S	T			
332	1532	2002	2289	2595			
K	E	E	P	L	E	F	T
538	797	1036	1274	1727	1966	2204	2426

1-38



300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [88] E Mod;
 300mm Radius, 50mm Border, White on Green;
 [Sterling Ave] E Mod; [1/4] E Mod [MILE] E;
 Table of letter and object lefts.

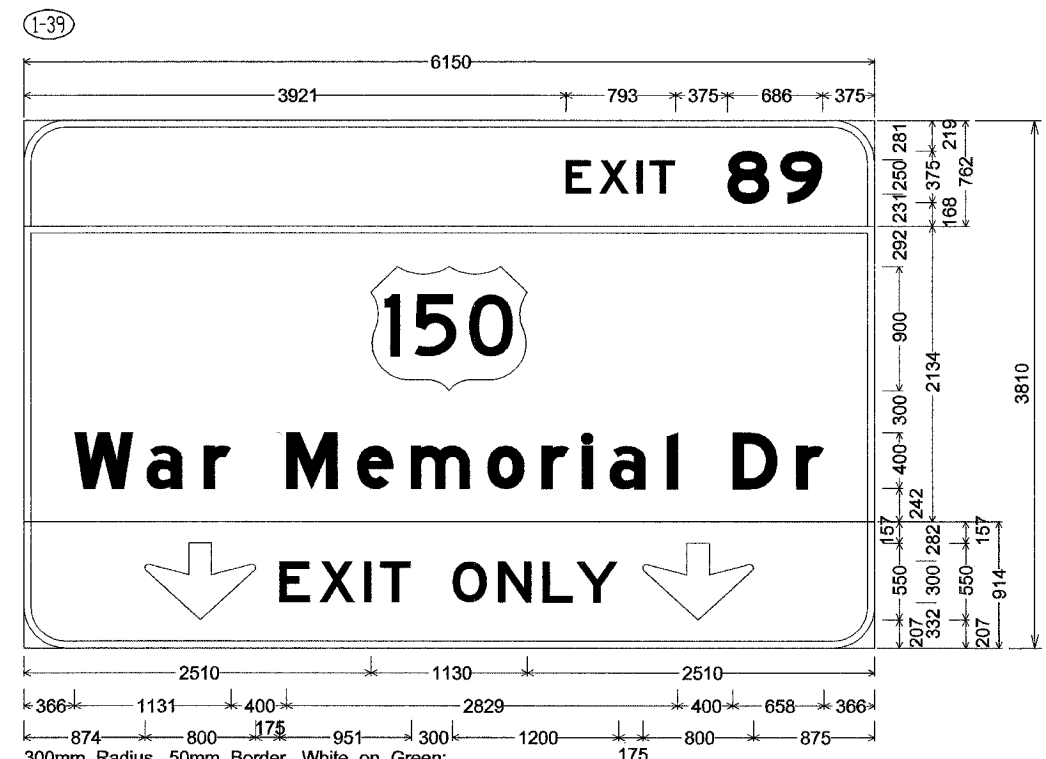
E	X	I	T	8	8					
2571	2810	3081	3178	3739	4121					
S	t	e	r	i	n	g	A	v	e	
398	807	1102	1490	1782	2014	2246	2630	3290	3761	4142
1/4	M	I	L	E						
1550	2417	2716	2825	3064						

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
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DATE 11/13/2004		



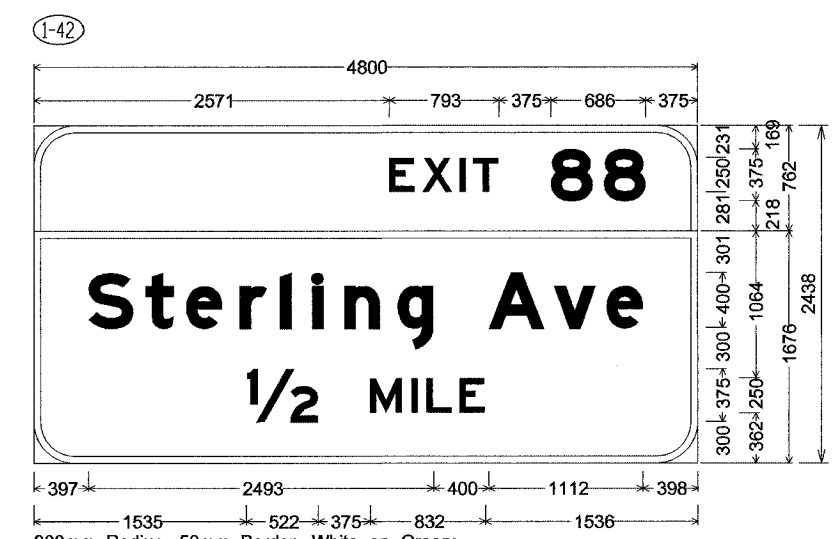
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 11/13/2004

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3)	PEORIA	1360	1092
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [89] E Mod;
 300mm Radius, 50mm Border, White on Green;
 [War Memorial Dr] E Mod;
 300mm Radius, 50mm Border, Black on Yellow;
 Down Arrow 550mm 270°; [EXIT ONLY] E; Down Arrow 550mm 270°;
 Table of letter and object lefts.

E	X	I	T	8	9							
3921	4160	4431	4527	5089	5471							
150												
2510												
W	a	r	M	e	m	o	r	i	a	i	D	r
366	886	1300	1897	2411	2798	3352	3744	4036	4237	4650	5126	5587
↓	E	X	I	T	O	N	L	Y	↓			
874	1849	2136	2461	2577	3100	3430	3751	3996	4475			



300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [88] E Mod;
 300mm Radius, 50mm Border, White on Green;
 [Sterling Ave] E Mod; [1/2] E Mod [MILE] E;
 Table of letter and object lefts.

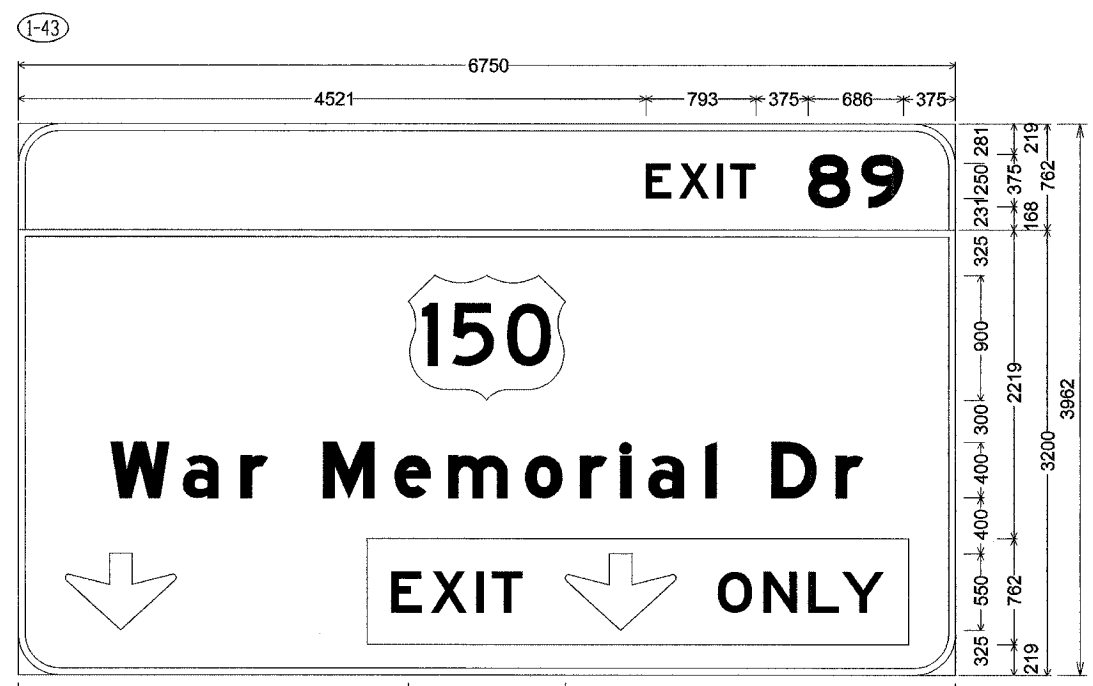
E	X	I	T	8	8					
2571	2810	3081	3178	3739	4121					
S	t	e	r	i	n	g	A	v	e	
397	807	1102	1489	1781	2013	2245	2630	3290	3760	4142
1/2	M	I	L	E						
1535	2432	2731	2839	3078						

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
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SCALE 1:500		DRAWN BY BCG CHECKED BY MEG
DATE 11/13/2004		



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11/13/2004

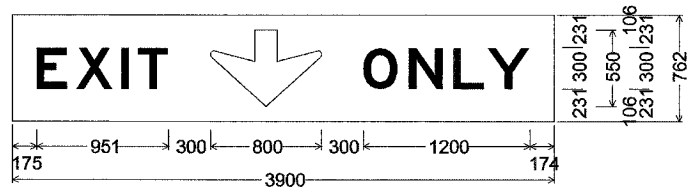
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-71R-3	PEORIA	1365	1273
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68200				



338	800	1375	3900	337
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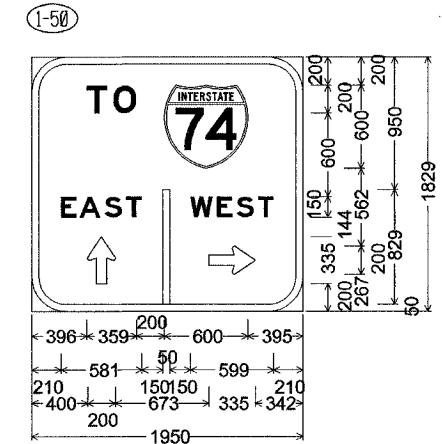
300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [89] E Mod;
 300mm Radius, 50mm Border, White on Green;
 [War Memorial Dr] E Mod; Down Arrow 550mm 270°; Rectangle Yellow;
 Table of letter and object lefts.

E	X	I	T	8	9							
4521	4760	5031	5128	5689	6071							
150												
2810												
W	a	r	M	e	m	o	r	i	a	i	D	r
666	1186	1600	2197	2711	3098	3652	4044	4336	4537	4950	5426	5887
↓	=											
338	2513											



No border, Yellow on Yellow;
 [EXIT] Black E; Down Arrow 550mm 270° Black;
 [ONLY] Black E;
 Table of letter and object lefts.

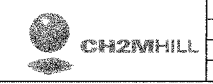
E	X	I	T	↓	O	N	L	Y
175	461	787	902	1426	2526	2856	3177	3421



250mm Radius, 50mm Border, White on Green;
 [TO] E; [EAST] E; [WEST] E;
 Standard Arrow Custom 335mm X 200mm 90°;
 Standard Arrow Custom 335mm X 200mm 0°;
 Table of letter and object lefts.

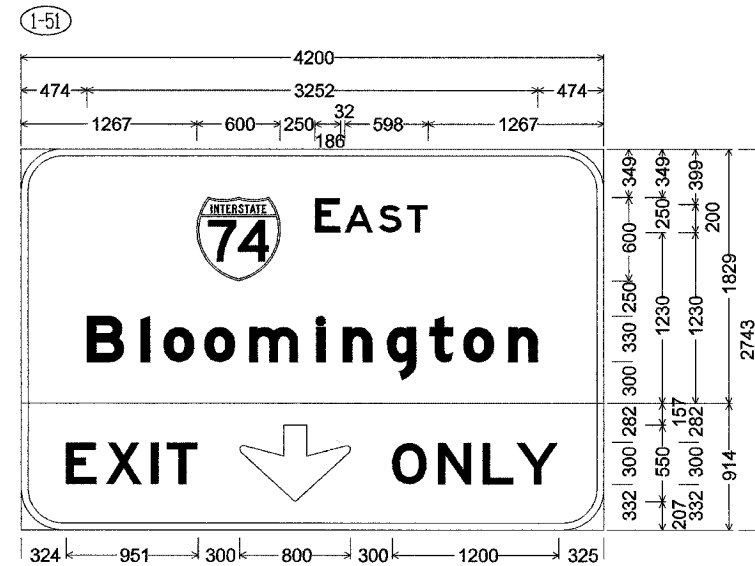
T	O	↗		
396	587	955		
E	A	S	T	
210	343	526	679	941
W	E	S	T	
1141	1332	1475	1628	
↑	⇒			
400	1273			

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SIGNING PLAN SIGN PANEL DETAILS
SCALE 1:500		DRAWN BY BCG
DATE 11/13/2004		CHECKED BY MEG



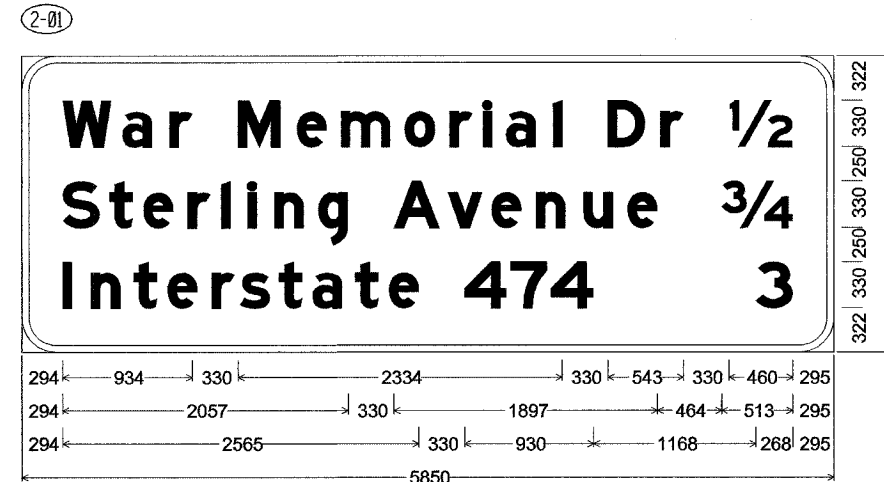
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	172-TR-3	PEORIA	1393	1294
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



300mm Radius, 50mm Border, White on Green;
[EAST] E; [Bloomington] E Mod;
300mm Radius, 50mm Border, Black on Yellow;
[EXIT] E; Down Arrow 550mm 270°; [ONLY] E;
Table of letter and object lefts.

E	A	S	T						
1267	2117	2335	2580						
B	I	O	M	I	N	G	T	O	N
474	862	1027	1321	1644	2127	2319	2636	2944	3188
E	X	I	T	O	N	L	Y		
324	611	937	1052	1576	2676	3006	3327		



250mm Radius, 50mm Border, White on Green;
[War Memorial Dr] E Mod; [1/2] E Mod; [Sterling Avenue] E Mod; [3/4] E Mod;
[Interstate 474] E Mod; [3] E Mod;
Table of letter and object lefts.

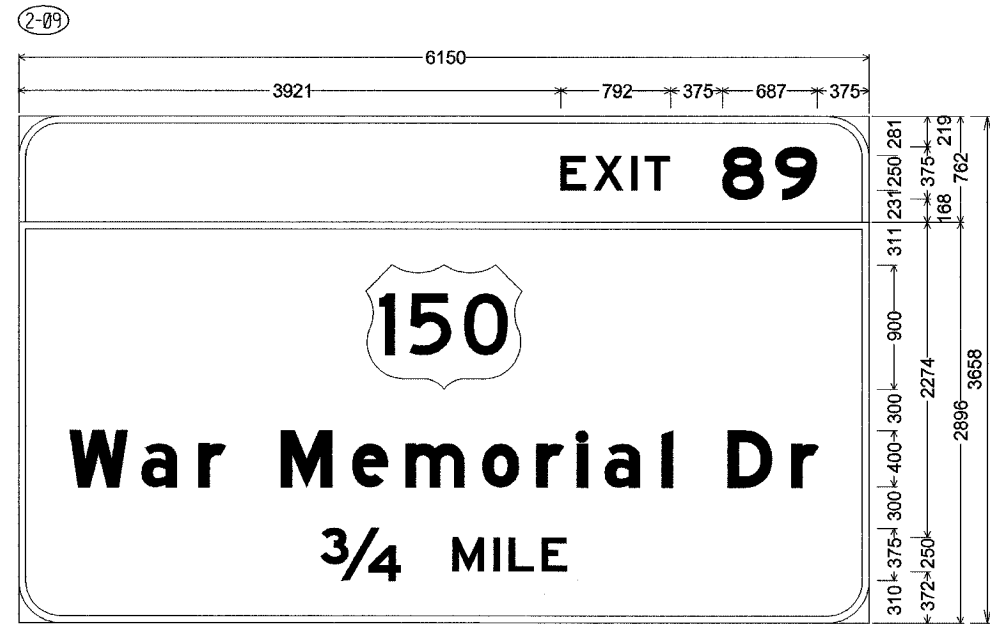
W	a	r	M	e	m	o	r	I	a	I	D	r	1/2
294	724	1065	1558	1982	2301	2758	3082	3323	3488	3829	4222	4602	5095
S	t	e	r	I	n	g	A	v	e	n	u	e	3/4
294	632	876	1195	1436	1628	1819	2136	2681	3069	3384	3703	4047	4364
I	n	t	e	r	s	t	a	t	e	4	7	4	3
294	497	805	1048	1368	1573	1851	2094	2401	2644	3189	3520	3811	5287

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SIGNING PLAN SIGN PANEL DETAILS SCALE 1:500 DATE 11/13/2004



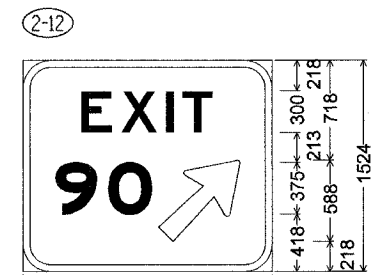
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CHECKED BY MEG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	1365	1295
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				



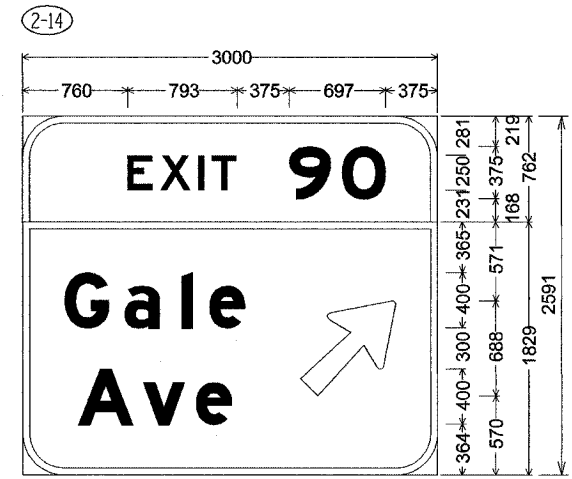
300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [89] E Mod;
 [War Memorial Dr] E Mod; [3/4] E Mod; [MILE] E;
 Table of letter and object lefts.

E	X	I	T	8	9							
3921	4160	4431	4527	5088	5471							
150												
2510												
W	a	r	M	e	m	o	r	i	a	D	r	
366	887	1300	1898	2411	2799	3353	3745	4037	4237	4651	5127	5587
3/4	M	I	L	E								
2180	3138	3437	3545	3784								



200mm Radius, 50mm Border, White on Green;
 [EXIT] E; [90] E Mod;
 Arrow 133 - 750mm 45°;
 Table of letter and object lefts.

E	X	I	T
424	711	1036	1152
9	0	↗	
232	614	979	



300mm Radius, 50mm Border, White on Green;
 [EXIT] E; [90] E Mod;
 [Gale] E Mod; [Ave] E Mod;
 Arrow 160 - 875mm 45°;
 Table of letter and object lefts.

E	X	I	T	9	0
760	999	1270	1366	1928	2310
G	a	i	e	↗	
303	735	1149	1349	2009	
A	v	e			
400	870	1252			

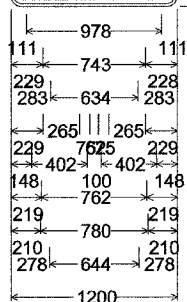
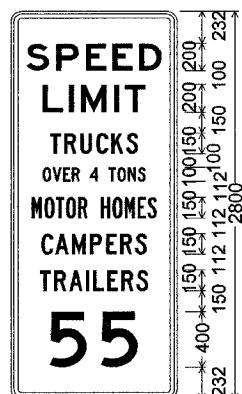
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 11/13/2004

SIGNING SHEET 47 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SIGNING PLAN SIGN PANEL DETAILS
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DATE 11/13/2004		CHECKED BY MEG



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(72-7R-3)	PEORIA	19	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 68200				

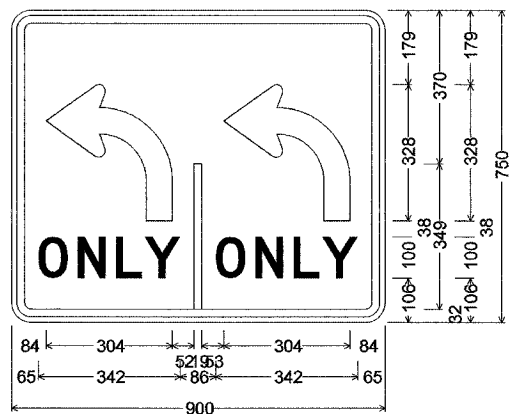


75mm Radius, 30mm Border, 20mm Indent, Black on White;
 [SPEED] E;
 [LIMIT] E;
 [TRUCKS] C;
 [OVER 4 TONS] C 75% spacing;
 [MOTOR HOMES] B 67% spacing;
 [CAMPERS] C;
 [TRAILERS] C;
 [55] D;

Table of letter and object lefts.

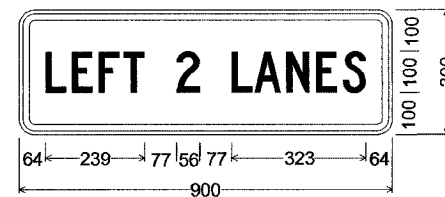
S	P	E	E	D			
111	327	542	735	927			
L	I	M	I	T			
229	420	507	746	823			
T	R	U	C	K	S		
283	385	501	616	725	834		
O	V	E	R				
229	300	375	438				
4							
569							
T	O	N	S				
706	770	844	916				
M	O	T	O	R			
148	241	325	397	485			
H	O	M	E	S			
650	734	822	916	988			
C	A	M	P	E	R	S	
219	320	440	572	687	789	898	
T	R	A	I	L	E	R	S
210	312	420	541	696	798	907	
5	5						
278	648						

DETAIL A



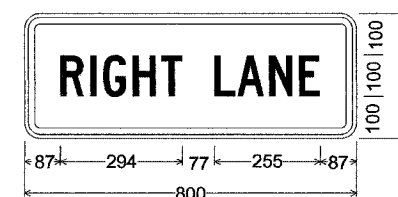
47mm Radius, 19mm Border, 13mm Indent, Black on White;
 [ONLY] D; [ONLY] D;

DETAIL B



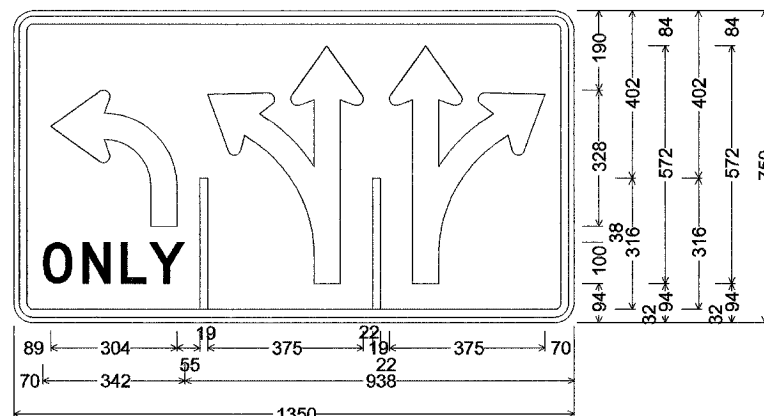
38mm Radius, 16mm Border, 9mm Indent, Black on White;
 [LEFT 2 LANES] Font C 77% spacing;

DETAIL C



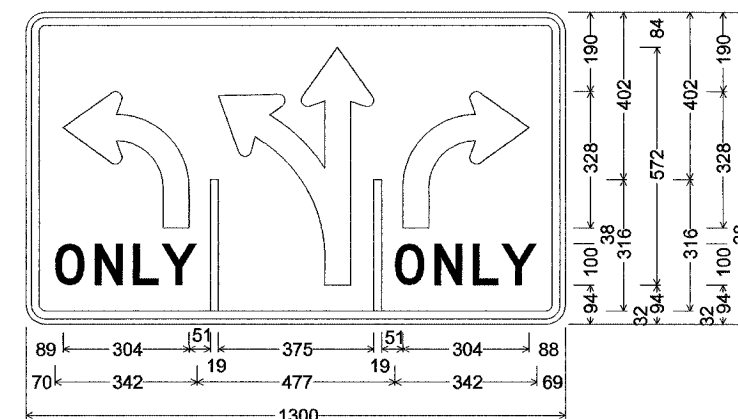
38mm Radius, 16mm Border, 9mm Indent, Black on White;
 [RIGHT LANE] Font C 77% spacing;

DETAIL D



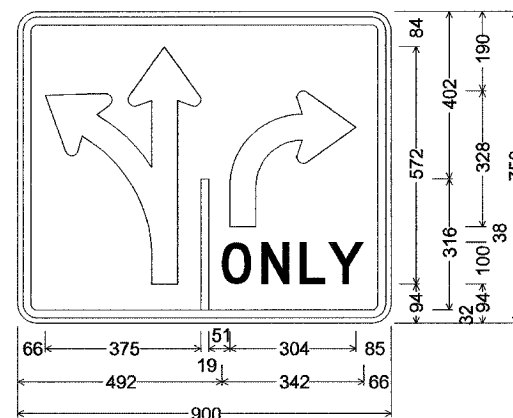
47mm Radius, 19mm Border, 13mm Indent, Black on White;
 [ONLY] D;

DETAIL E



47mm Radius, 19mm Border, 13mm Indent, Black on White;
 [ONLY] D; [ONLY] D;

DETAIL F



47mm Radius, 19mm Border, 13mm Indent, Black on White;
 [ONLY] D;

DETAIL G

SIGNING SHEET 48 OF 83

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SIGNING PLAN SIGN PANEL DETAILS
SCALE 1:500		DRAWN BY BCG
DATE 11/13/2004		CHECKED BY MEG



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1297
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

GENERAL NOTES

SPECIFICATIONS: * (72-7)R-3 CONTRACT NO. 68200

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

MEASUREMENTS: All dimensions are in millimeters (mm) except as noted.

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 145 km/h WIND VELOCITY

WIND LOADING: 1.44 kPa normal to Sign Panel Area and truss elements not behind sign Loading Diagram.

WALKWAY LOADING: Dead load plus 2.2 kN concentrated live load.

ALLOWABLE UNIT STRESSES:

Structural Steel - 138 MPa
Reinforcing Steel - 138 MPa
Class SI Concrete - 10 MPa
Allowable unit stresses due to wind load in combination with other forces, are increased 1.33.

MINIMUM CLEARANCE: Vertical Roadway Clearance = 5.3 m (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 241 MPa, or A500 Grade B or C with a minimum yield of 319 MPa. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270M Gr. 250, Gr. 345 or Gr. 345W**. Stainless steel for handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 20 J at 4° C. (Zone 2) before galvanizing.

FASTENERS FOR STEEL TRUSSES: All bolts noted as "high strength" (HS) must satisfy the requirements of AASHTO M164 (ASTM A325M), ASTM A449, or approved alternate, and must have matching lock nuts and washers. All bolts, u-bolts, eye bolts, lock nuts and washers not required to be high strength must satisfy the requirements of ASTM A307. All bolts, u-bolts, eye bolts, lock nuts and washers must be hot dip galvanized per AASHTO M232. All lock nuts must have nylon or steel inserts. High strength bolt and stud installation shall conform to Article 505.04(F)(2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational Capacity ("ROCAP") testing of bolts will not be required.

STEEL PIPE: DN indicates nominal diameter.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111.

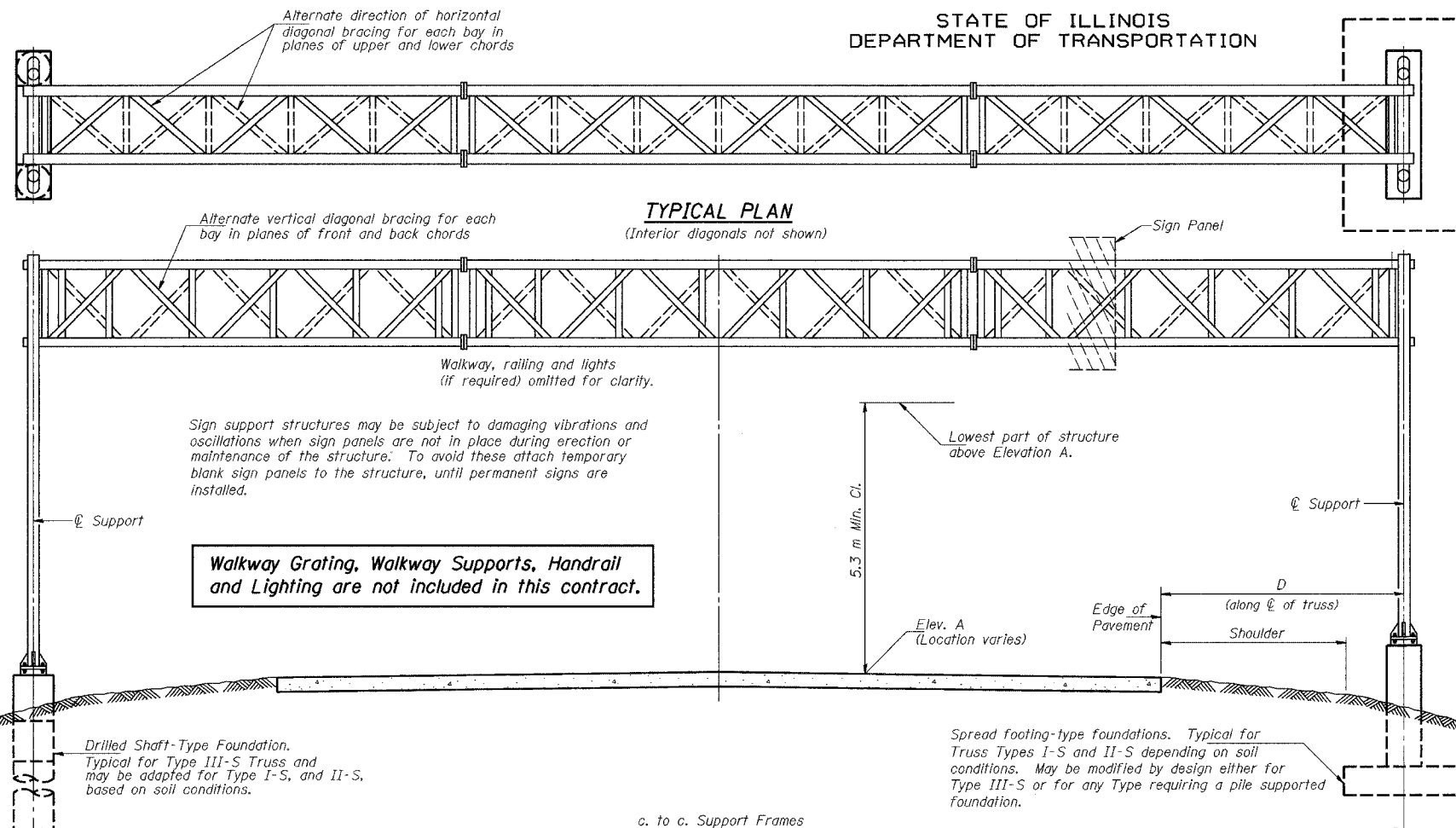
PAINTING: All steel members shall be painted according to the Special Provision "Surface Preparation and Painting of Galvanized Steel Traffic Structures". Cost included in "Overhead Sign Structure...".

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 250 or 380 (36 or 55) with a minimum Charpy V-Notch (CVN) energy of 20 J at 5° C.

CONCRETE SURFACES: All concrete surfaces above an elevation 150 mm below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

**If M270M Gr. 345W steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



TYPICAL ELEVATION

(Looking at Face of Signs***)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

***Looking upstation for structures with signs both sides.

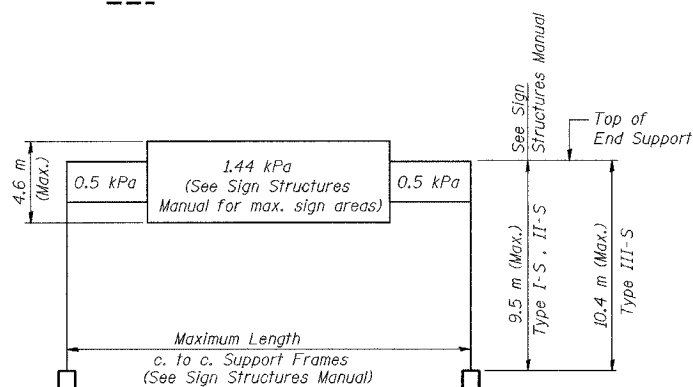
Structure Number	Station	Design Truss Type	c. to c. Supports (m)	Elev. A	Dim. D (m)	Height of Tallest Sign (m)	Total Sign Area (sq. m)
① 4S0721074L089.3	143+798.000	I-S	21.5	189.914	8.323	3.200	39.36
② 4S0721074L089.4	144+154.000	I-S	22.0	185.298	4.199	3.810	41.37
② 4S0721074L089.7	144+540.000	I-S	20.0	181.130	5.700	3.962	38.45

- This Sign Structure spans Ramp B-2 and Ramp B-3.
- The outside foundation, end supports, truss and signing are included in this contract. The median foundation was provided in a previous contract.

TOTAL BILL OF MATERIAL
OVERHEAD STEEL TRUSS

ITEM	UNIT	TOTAL
③ OVERHEAD SIGN STRUCTURE-SPAN, TYPE I-S (1.22M x 1.37M)	m	63.50
OVERHEAD SIGN STRUCTURE-SPAN, TYPE II-S (1.37M x 1.60M)	m	
OVERHEAD SIGN STRUCTURE-SPAN, TYPE III-S (1.53M x 2.14M)	m	
OVERHEAD SIGN WALKWAY TYPE S	m	
CONCRETE FOUNDATIONS	m	
④ DRILLED SHAFT CONCRETE FOUNDATIONS	m ³	35.57

- See Special Provision "Overhead Sign Structures-Special".
- Quantity includes median foundation for S.N. 4S0721074L089.3. See Signing Sheet 59 of 83.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

DESIGNED	RJW	2004
CHECKED	KJN	EXAMINED
DRAWN	RJW	PASSED
CHECKED	KJN	ENGINEER OF BRIDGES AND STRUCTURES

OS-S-1(M) 10/1/2001

NUMBER	REVISION	DATE

SIGNING SHEET 49 OF 83

OVERHEAD SIGN STRUCTURES
GENERAL PLAN & ELEVATION
STEEL TRUSS & STEEL SUPPORTS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3

W.B. I-74 STA. 144+154, S.N. 4S0721074L089.4

W.B. I-74 STA. 144+540, S.N. 4S0721074L089.7

PEORIA CO., IL.

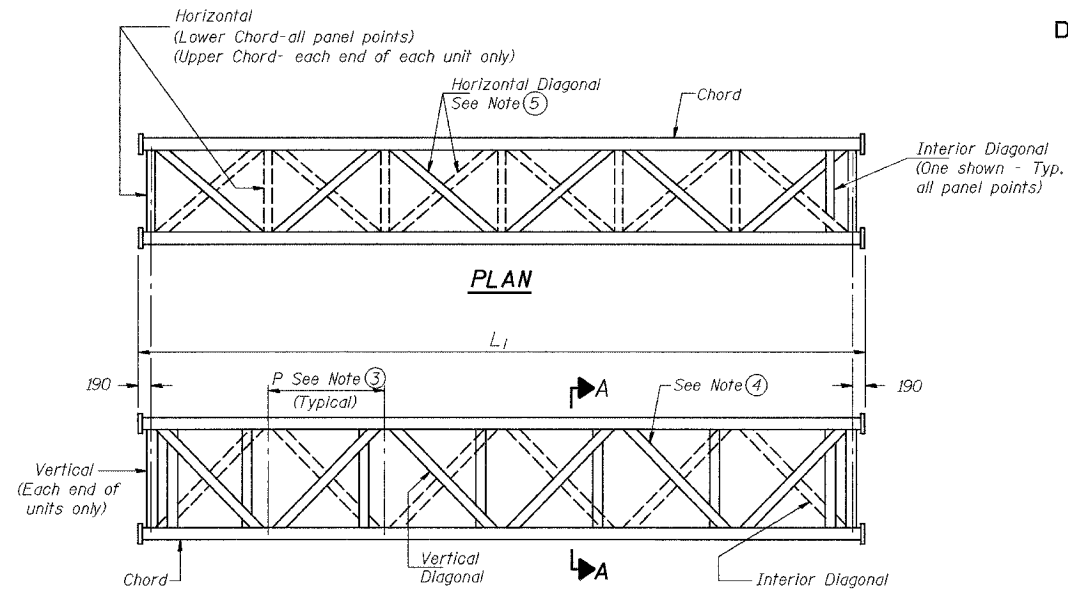
DATE: II-II-04

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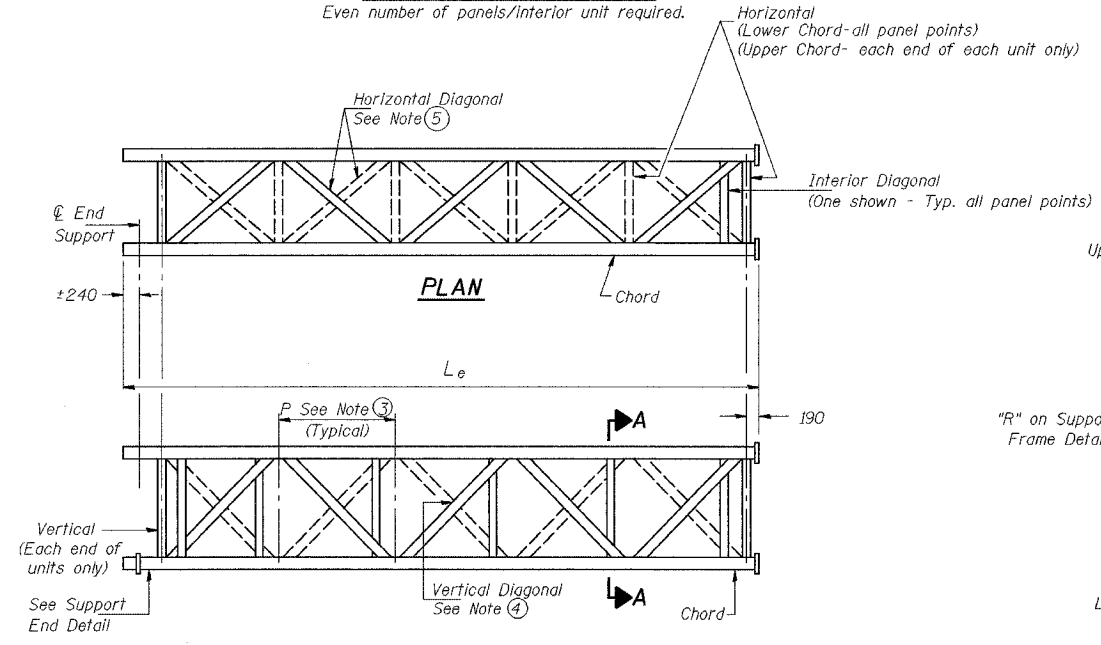
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1393
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS PROJECT		

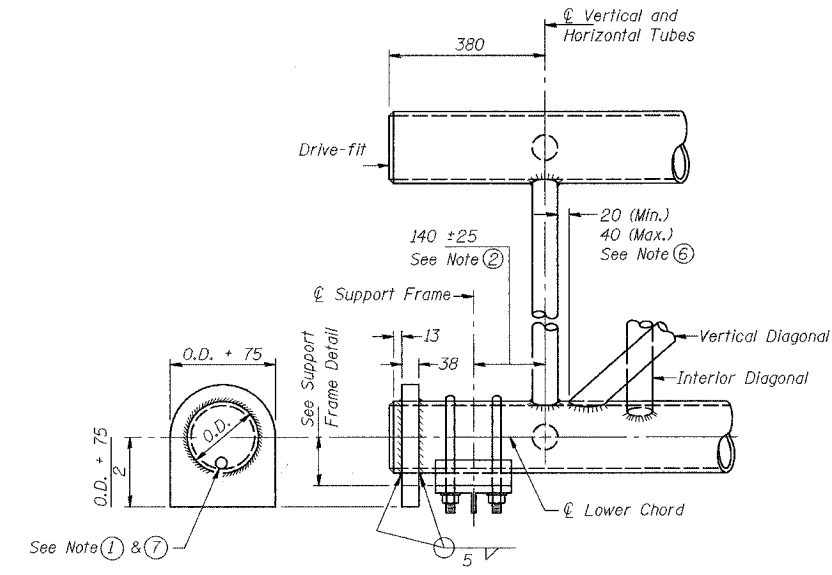
CONTRACT NO. 68200



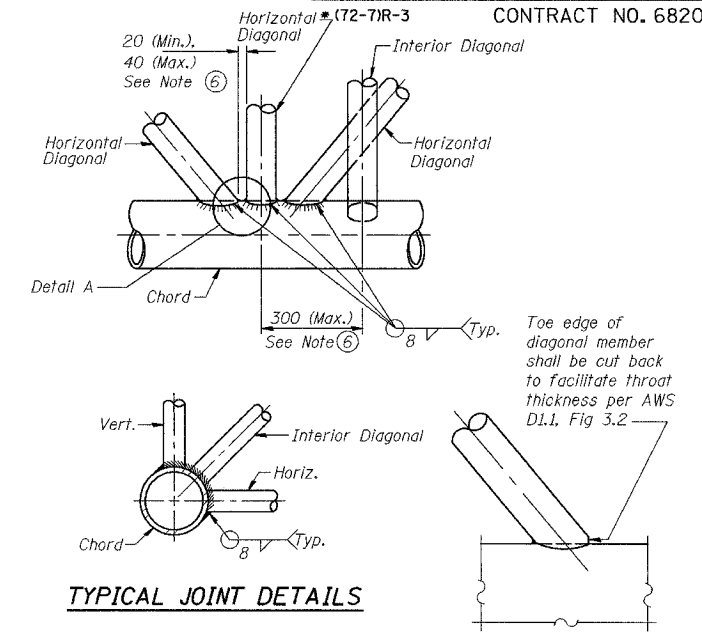
**ELEVATION
TYPICAL INTERIOR UNIT**
Even number of panels/interior unit required.



**ELEVATION
TYPICAL EXTERIOR UNIT**
Even or odd number of panels/exterior units allowed.



SUPPORT END DETAIL FOR EXTERIOR UNIT

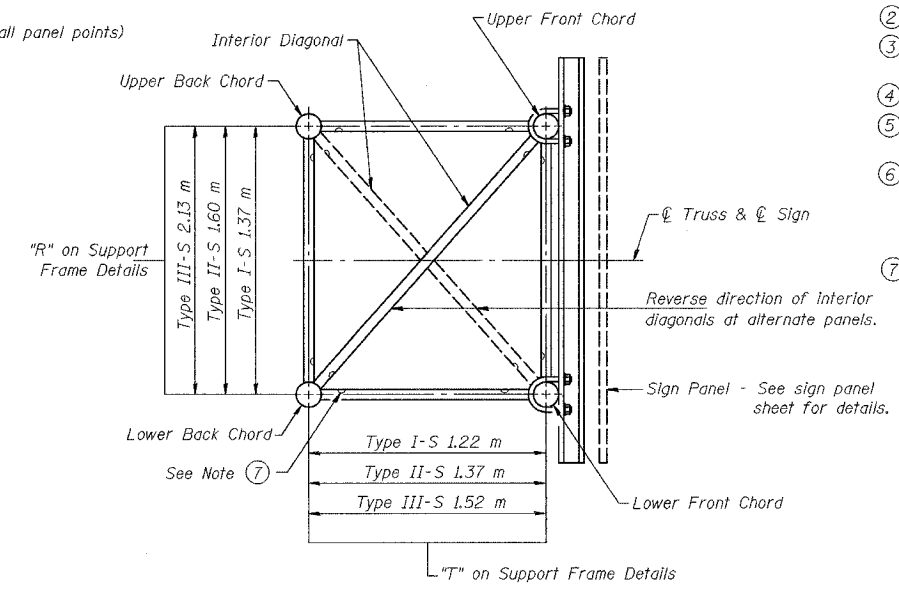


TYPICAL JOINT DETAILS

DETAIL A

NOTES

- Contractor must use standard aluminum drive-fit cap to close end. 13mm ϕ drain hole in end plate/drive-fit cap installed after galvanizing. (Typ. at non-splice ends of all chords)
- 140 mm end dimension may vary by ± 25 mm to provide uniform panel spacing (P).
- Panel spacing (P) shall be uniform for entire truss and between 1.20 m and 1.50 m for Type I-S or 1.20 m and 1.65 m for Types II-S and III-S.
- Vertical Diagonals in front and back face shall alternate inclination.
- Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- All diagonals shall be offset from the panel point based on the following: Offset shall provide a 20 mm minimum to 40 mm maximum clearance between diagonal and any other diagonal, horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of truss members except chords. Alternately, holes may be provided in wall of chords. All vent holes shall be drilled and de-burred. (Typ.)



SECTION A-A
(Vertical and horizontal diagonals not shown)

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DESIGNED	RJW
CHECKED	KJN
DRAWN	RJW
CHECKED	KJN

EXAMINED	2004
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OS-S-2(M) 10/1/2001

SIGNING SHEET 50 OF 83

**OVERHEAD SIGN STRUCTURES
STEEL TRUSS DETAILS
FOR TRUSS TYPES I-S, II-S and III-S**

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3
W.B. I-74 STA. 144+154, S.N. 4S0721074L089.4
W.B. I-74 STA. 144+540, S.N. 4S0721074L089.7

PEORIA CO., IL. DATE: II-II-04

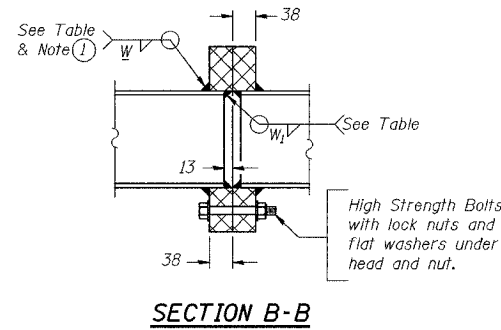
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRUSS UNIT TABLE

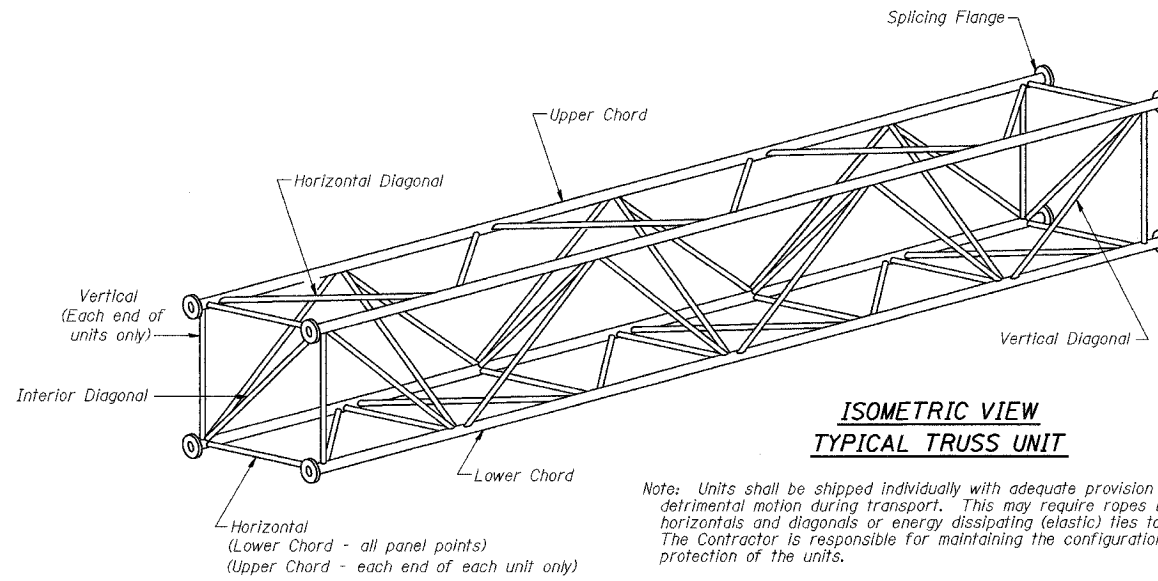
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals				Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _e) (m)	Panel Lgth.(P) (m)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i) (m)	Panel Lgth.(P) (m)	Nom. pipe size	Wall	Nom. pipe size	Wall	HS Bolts			Weld Sizes		A	B		
														No./Splice	Dia.		W	W _i				
4S0721074L089.3	143+798.000	I-S	7	11.000	1.490	0	-	-	-	127	6.5	64	5.2	38	6	22 φ	10	6	230	311		
① 4S0721074L089.4	144+154.000	I-S	8	11.250	1.335	0	-	-	-	127	6.5	64	5.2	40	6	22 φ	10	6	230	311		
① 4S0721074L089.7	144+540.000	I-S	7	10.230	1.380	0	-	-	-	127	6.5	64	5.2	32	6	22 φ	10	6	230	311		

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1299
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS		PROJECT
* (72-TJR-3)		CONTRACT NO. 68200		

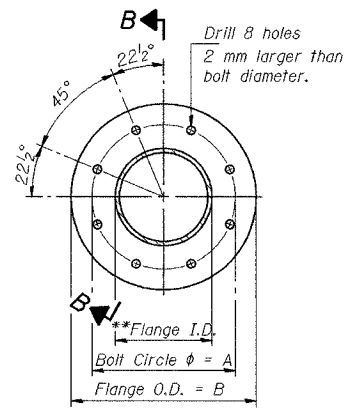
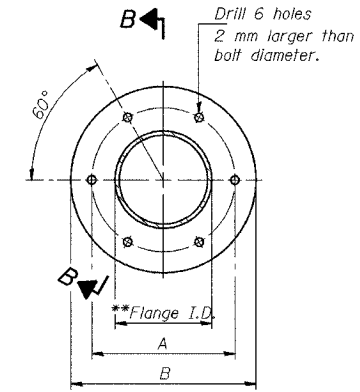
① The outside foundation, end supports, truss and signing are included in this contract. The median foundation was provided in a previous contract.



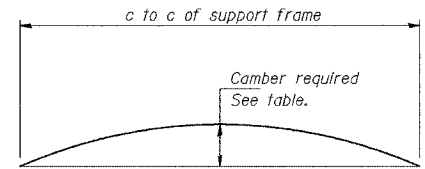
① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

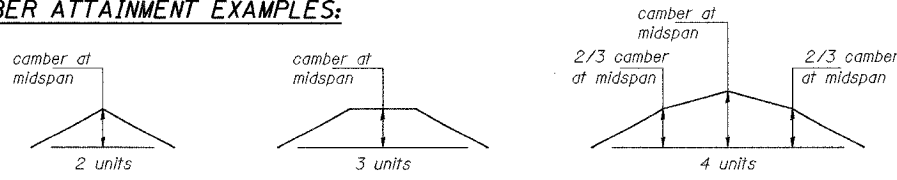


**To fit O.D. of Chord with maximum gap of 2 mm.



Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

NUMBER	REVISION	DATE

DESIGNED	RJW
CHECKED	KJN
DRAWN	RJW
CHECKED	KJN

2884
EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OS4-S-2(M) 10/1/2001

SIGNING SHEET 51 OF 83

**OVERHEAD SIGN STRUCTURES
STEEL TRUSS DETAILS
FOR TRUSS TYPES I-S, II-S and III-S**

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3
W.B. I-74 STA. 144+154, S.N. 4S0721074L089.4
W.B. I-74 STA. 144+540, S.N. 4S0721074L089.7

PEORIA CO., IL. DATE: II-II-04

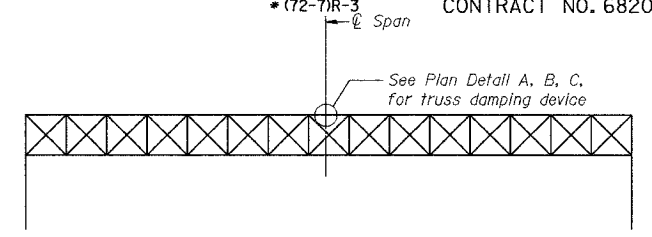
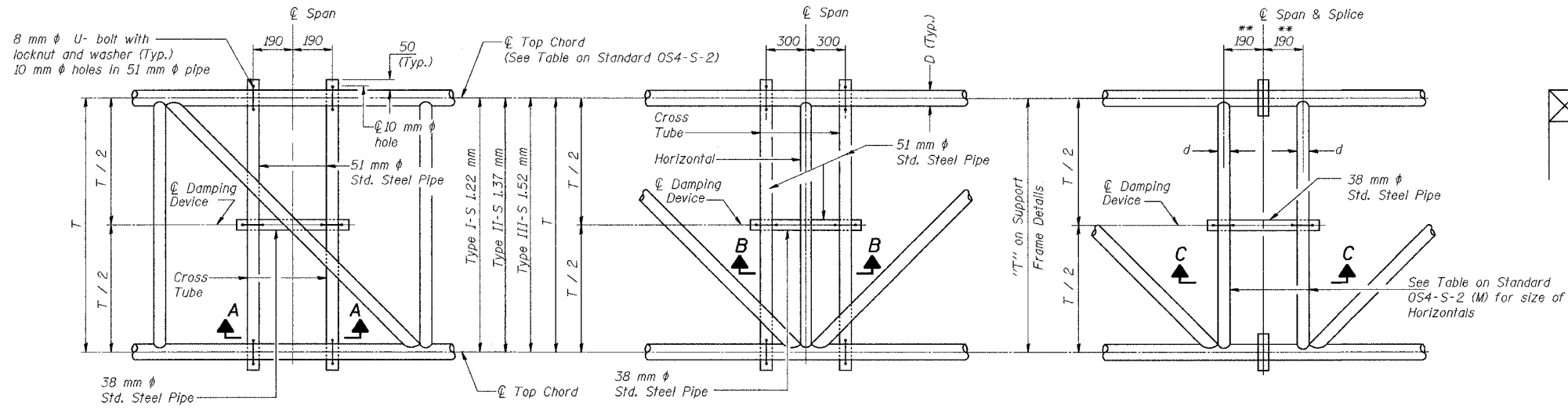
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

** Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1365	1300
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

CONTRACT NO. 68200



ELEVATION
Steel Overhead Sign Truss

NOTES

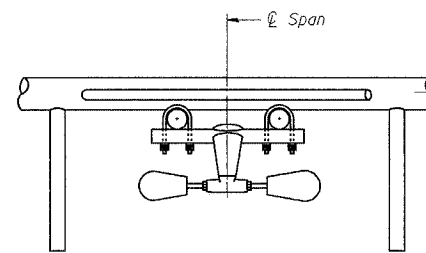
Damper: One damper per truss.
(14 Kg Stockbridge-Type)
Cost included in "Overhead Sign Structure..."

All dimensions are in millimeters (mm) except as noted

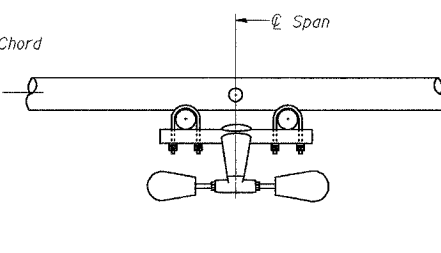
PLAN DETAIL "A"
Span BETWEEN PANEL POINTS

PLAN DETAIL "B"
Span AT PANEL POINT

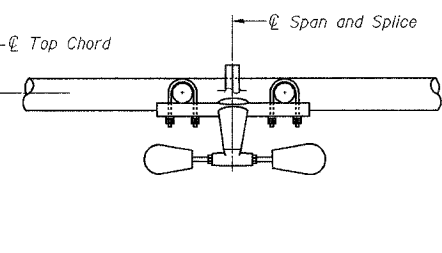
PLAN DETAIL "C"
Span AT CHORD SPLICE



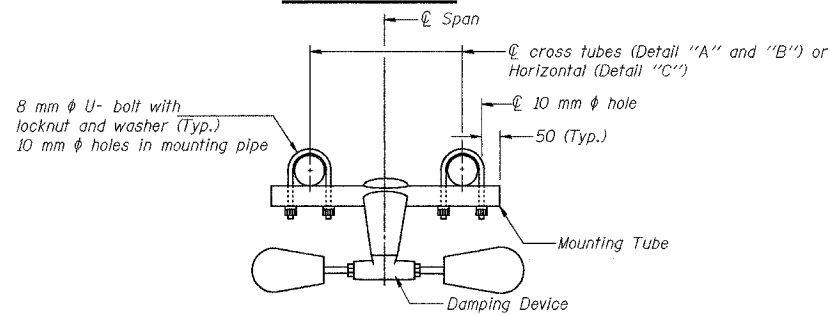
SECTION A-A



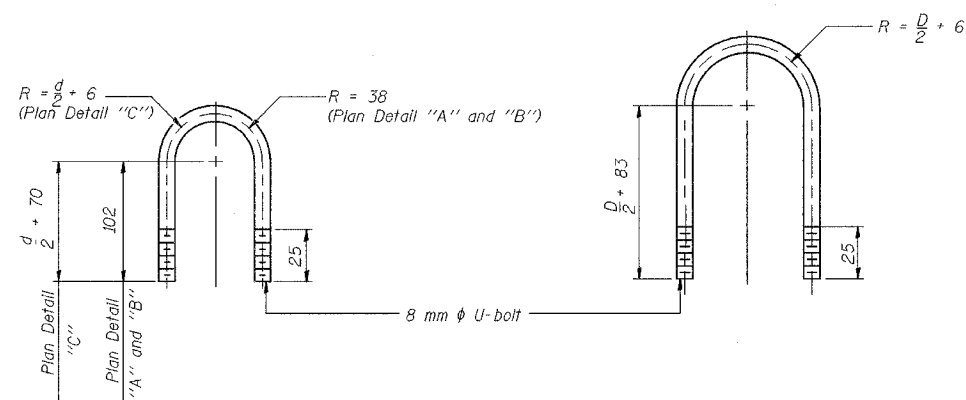
SECTION B-B



SECTION C-C



TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")

DESIGNED	RJW	2884
CHECKED	KJN	EXAMINED
DRAWN	RJW	PASSED
CHECKED	KJN	ENGINEER OF BRIDGES AND STRUCTURES

OS-S-D(M) 10/1/2001

SIGNING SHEET 52 OF 83

OVERHEAD SIGN STRUCTURE DAMPING DEVICE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3
W.B. I-74 STA. 144+154, S.N. 4S0721074L089.4
W.B. I-74 STA. 144+540, S.N. 4S0721074L089.4

PEORIA CO., IL.

DATE: II-II-04

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