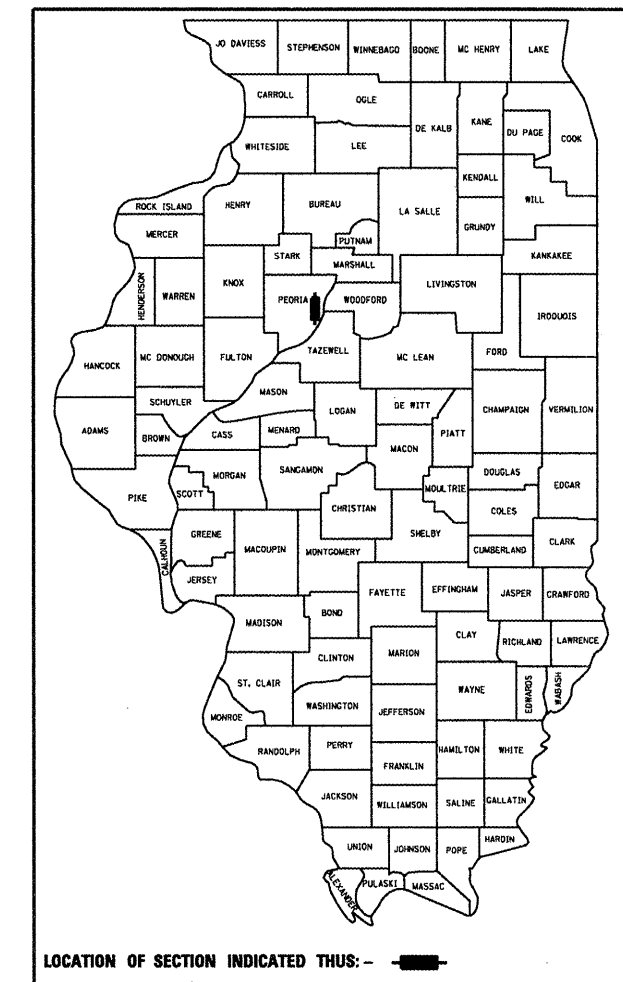


DESIGNER: CLARK JONES
PHONE: (309)671-3452

PROJECT ENGINEER: JIM MILLER
PHONE: (309)671-3451

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72(7,8,9,9-1)R-2	PEORIA	9	1
FED. ROAD DIST. NO. 4		ILLINOIS	CONTRACT NO. 68876	

D-94-041-09



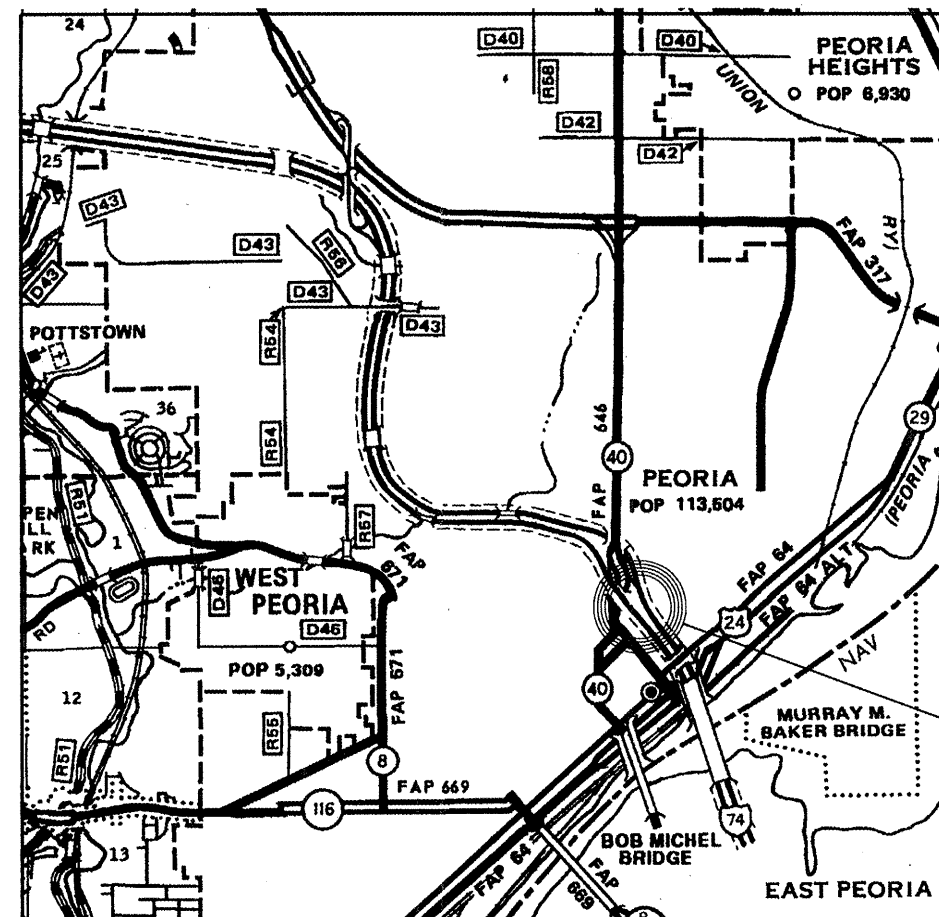
LOCATION OF SECTION INDICATED THIS: - [shaded area]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI 74(I-74)
D4 CONC MED REPAIR 2009
PEORIA COUNTY

C-94-063-09



LOCATION MAP

REMOVE AND REPLACE SECTION OF DAMAGED CONCRETE
MEDIAN WALL ALONG I-74, EAST OF KNOXVILLE AVE. IN
PEORIA (CLAIM #742014)

I-74 DAMAGED
MEDIAN WALL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *MARCH 16 20 09*

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 20 09
Charles J. Impersoll
ENGINEER OF DESIGN AND ENVIRONMENT

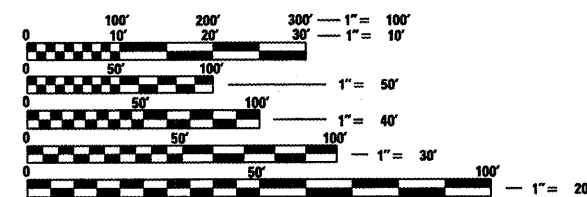
May 8, 20 09
Christina M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

- INDEX OF SHEETS:
1. COVER SHEET
 2. COMMITMENTS & GENERAL NOTES
 3. SUMMARY & SCHEDULE OF QUANTITIES
 4. DIFF. HGT. MED. BARRIER DETAIL
 5. GENERAL LAYOUT
 - 6-7. MISC. ROADWAY DETAIL DHMB 43A
 8. PROPOSED TRAFFIC CONTROL
 9. EXISTING CROSS SECTION

STANDARDS:

- 701001-02 701406-05
701006-03 701901-01
701400-03



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER- JIM MILLER
PROJECT MANAGER- MAUREEN ADDIS

CONTRACT NO. 68876 CAT. NO. 034220-00D

COMMITMENTS

No commitments have been made for this project.

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

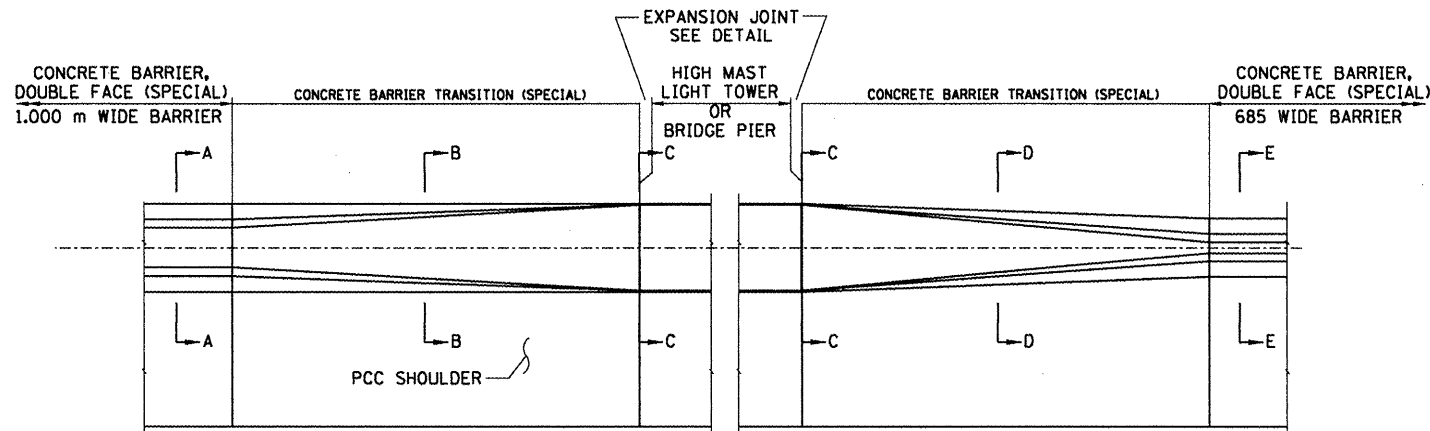
Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

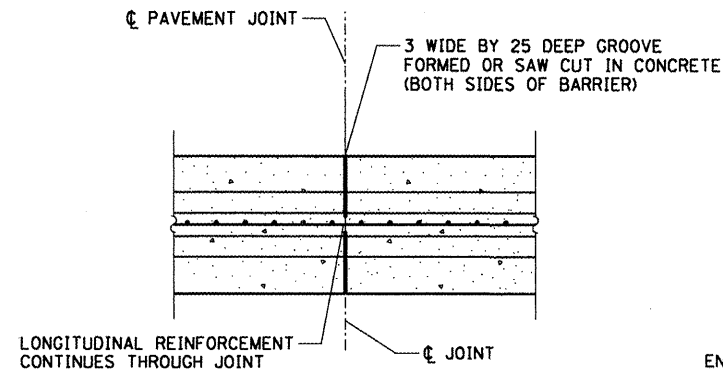
- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 PI0100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

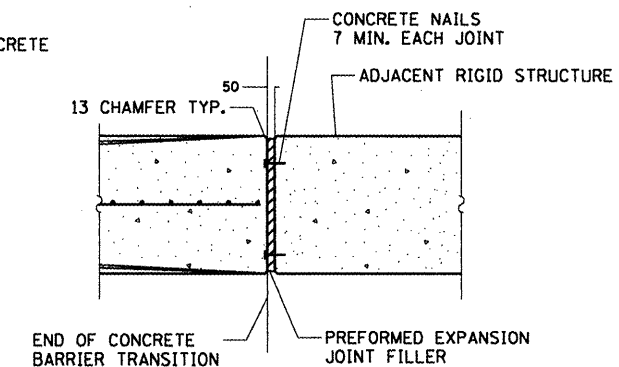
FILE NAME =	USER NAME = jonesce	DESIGNED - CEJ	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS & GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68876 165676 CONCRETE BARRIER WALL REPAIR		DRAWN - CEJ	REVISED - ---			74	7217,8,9,9-11R-2	PEORIA	9	2
PLOT SCALE = 1/8" = 1' / IN.		CHECKED - ---	REVISED - ---			D4 CONC. MEDIAN REPAIR 2009		CONTRACT NO. 68876		
PLOT DATE = 3/11/2009		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
						SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____		



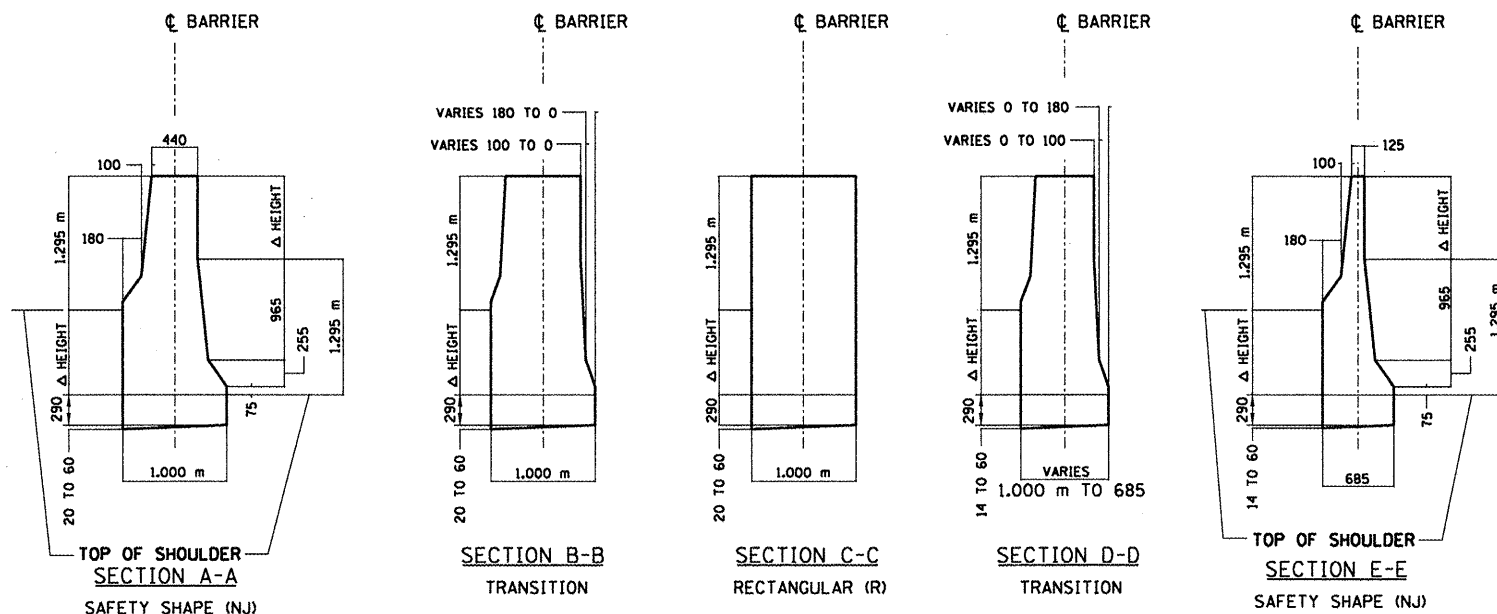
PLAN VIEW OF DIFFERENTIAL HEIGHT BARRIER AND TRANSITIONS



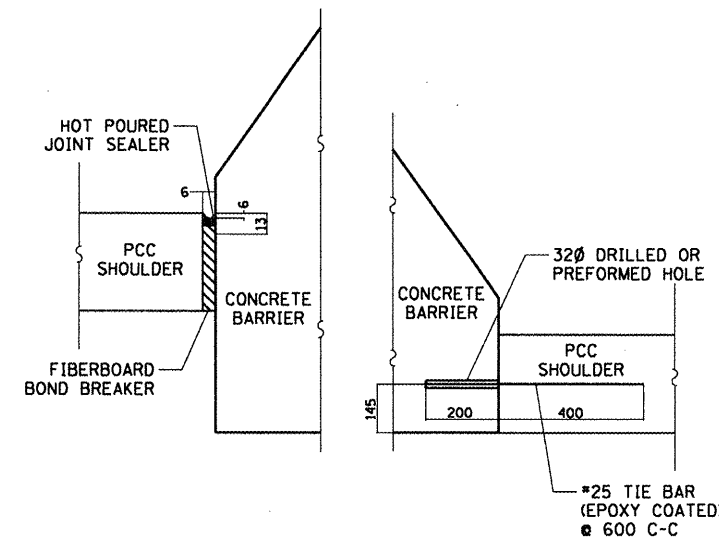
CONTRACTION JOINT DETAIL



EXPANSION JOINT DETAIL



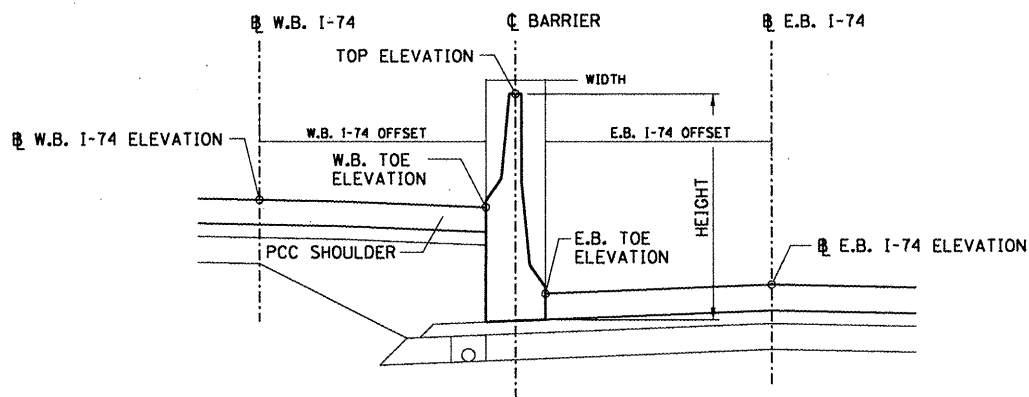
NOTES FOR SECTIONS A-A THRU E-E:
 1) 1.295 m SAFETY SHAPE HAS SAME DIMENSIONS ON BOTH SIDES OF BARRIER
 2) HIGHER SHOULDER MAY BE ON LEFT OR RIGHT SIDE OF BARRIER
 3) Δ HEIGHT VARIES FROM 0 TO 855 "EB" OR "WB" INDICATES LOWER SIDE OF BARRIER



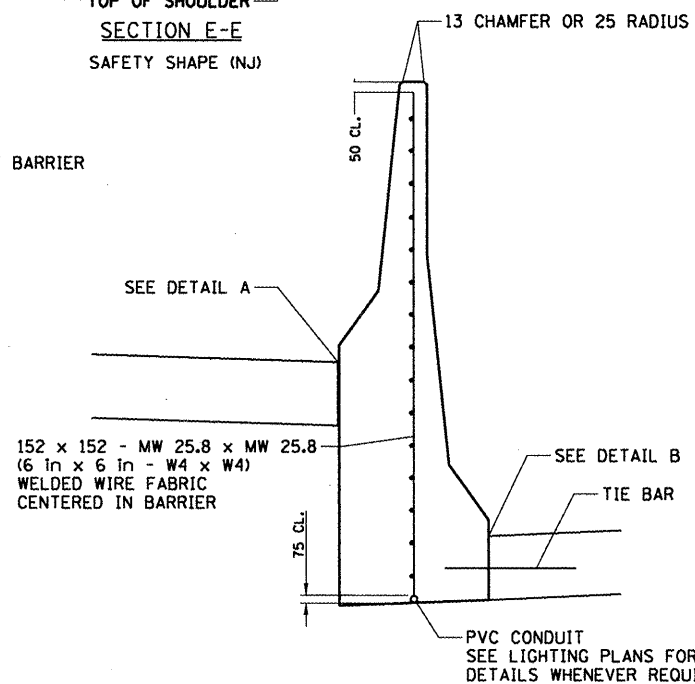
DETAIL A
HIGHER SIDE OF BARRIER

DETAIL B
LOWER SIDE OF BARRIER

- NOTES:
- 1) SEE DIFFERENTIAL HEIGHT MEDIAN BARRIER PLAN SHEETS FOR LAYOUT DATA
 - 2) CONTRACTION JOINTS IN ADJACENT SHOULDER SHALL BE ALIGNED WITH JOINTS IN BARRIER
 - 3) EXISTING HORIZONTAL REINFORCEMENT SHALL BE OVERLAPPED WITH NEW FOR A MINIMUM OF 13". SEE SPECIAL PROVISIONS FOR "CONCRETE BARRIER".
 - 4) REINFORCEMENT SHALL BE SEATED IN THE FINAL POSITION PRIOR TO CONCRETE PLACEMENT.
 - 5) ALL CONSTRUCTION JOINTS SHALL BE BONDED.



TYPICAL SECTION FOR LAYOUT



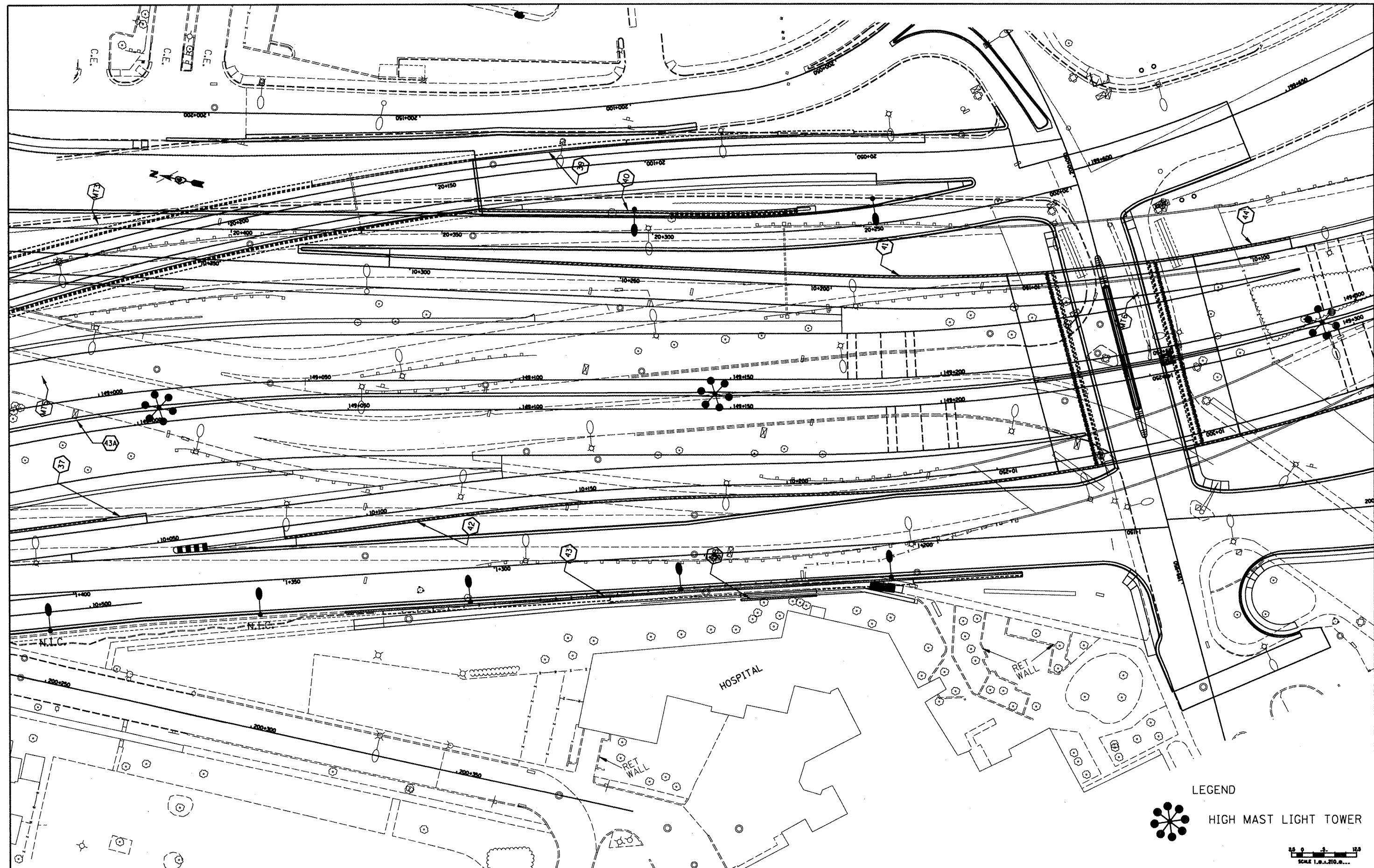
SECTION THRU BARRIER

ALL DIMENSIONS IN MILLIMETERS UNLESS SHOWN OTHERWISE

FILE NAME = 68876 I-74 wall.dgn	USER NAME = jonesce	DESIGNED - CEJ	REVISED -
		DRAWN - CEJ	REVISED -
	PLOT SCALE = 103.7051' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/4/2009	DATE - 02/27/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIFFERENTIAL HEIGHT MEDIAN BARRIER DETAIL		F.A.I. RTE. 74	SECTION 7217.8,9,9-11R-2	COUNTY PEORIA	TOTAL SHEETS 9	SHEET NO. 4
SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	D4 CONC. MEDIAN REPAIR 2009 CONTRACT NO. 68876			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT						



FILE NAME = 68876 1-24
 68876 CONCRETE BARRIER WALL REPAIR

USER NAME = jonesce
 PLOT SCALE = 1/8" = 200'
 PLOT DATE = 3/3/2009

DESIGNED - CEJ
 DRAWN - CEJ
 CHECKED -
 DATE - 03/02/2009

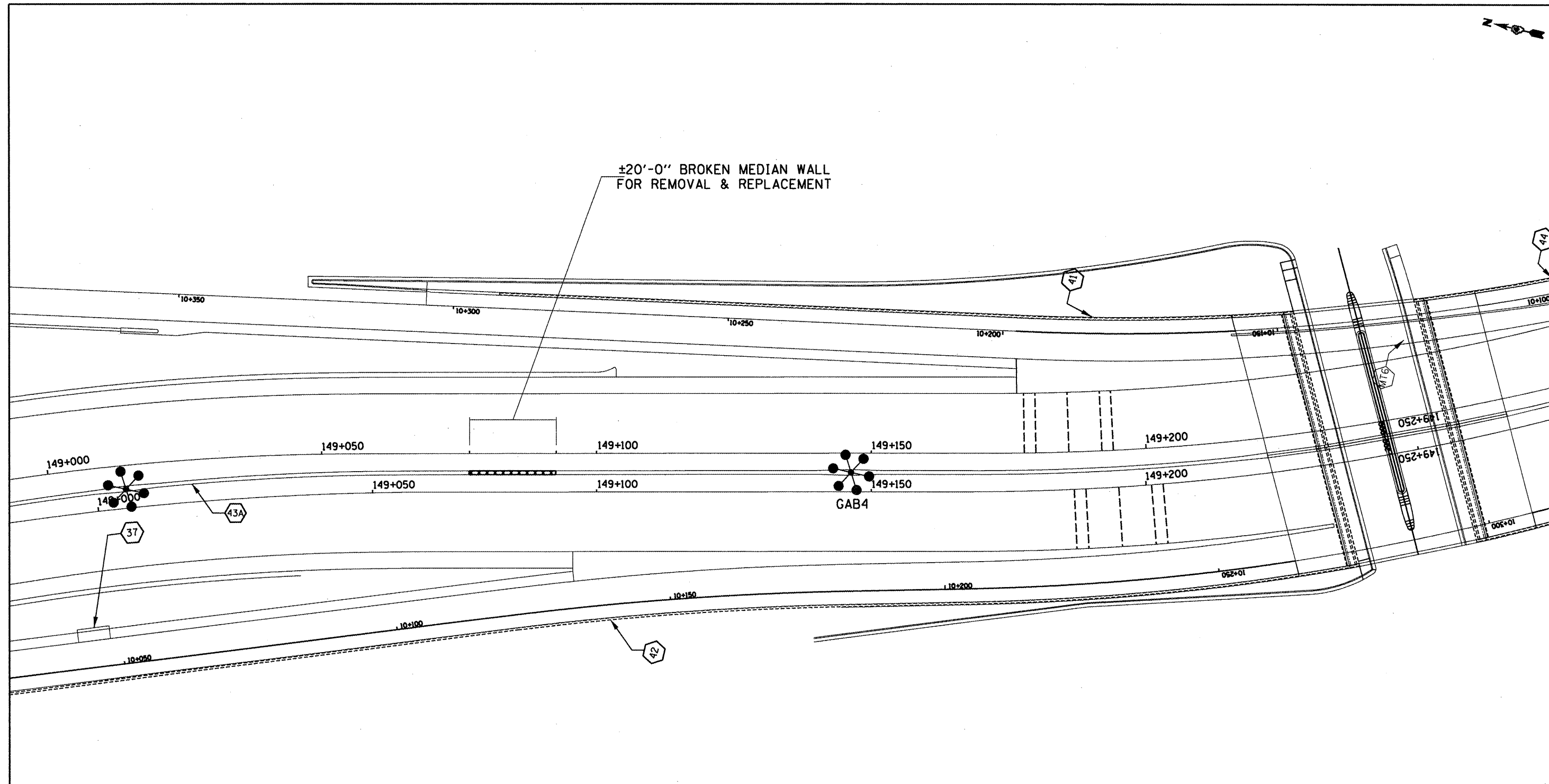
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


GENERAL LAYOUT

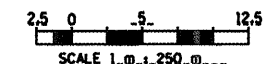
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	7217,8,9-1R-2	PEORIA	9	5
D4 CONC. MEDIAN REPAIR 2009			CONTRACT NO. 68876	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



Note:
 Concrete median barrier wall shall be removed and replaced between existing saw-cuts on each side of damaged area. Existing reinforcement bars shall remain for a minimum 13' beyond saw-cut and incorporated into new construction. Existing PCC shoulder tie bars shall be cleaned, straightened, and incorporated into new construction.

LEGEND
 HIGH MAST LIGHT TOWER



FILE NAME = 68876 1-74 CONCRETE BARRIER WALL REPAIR

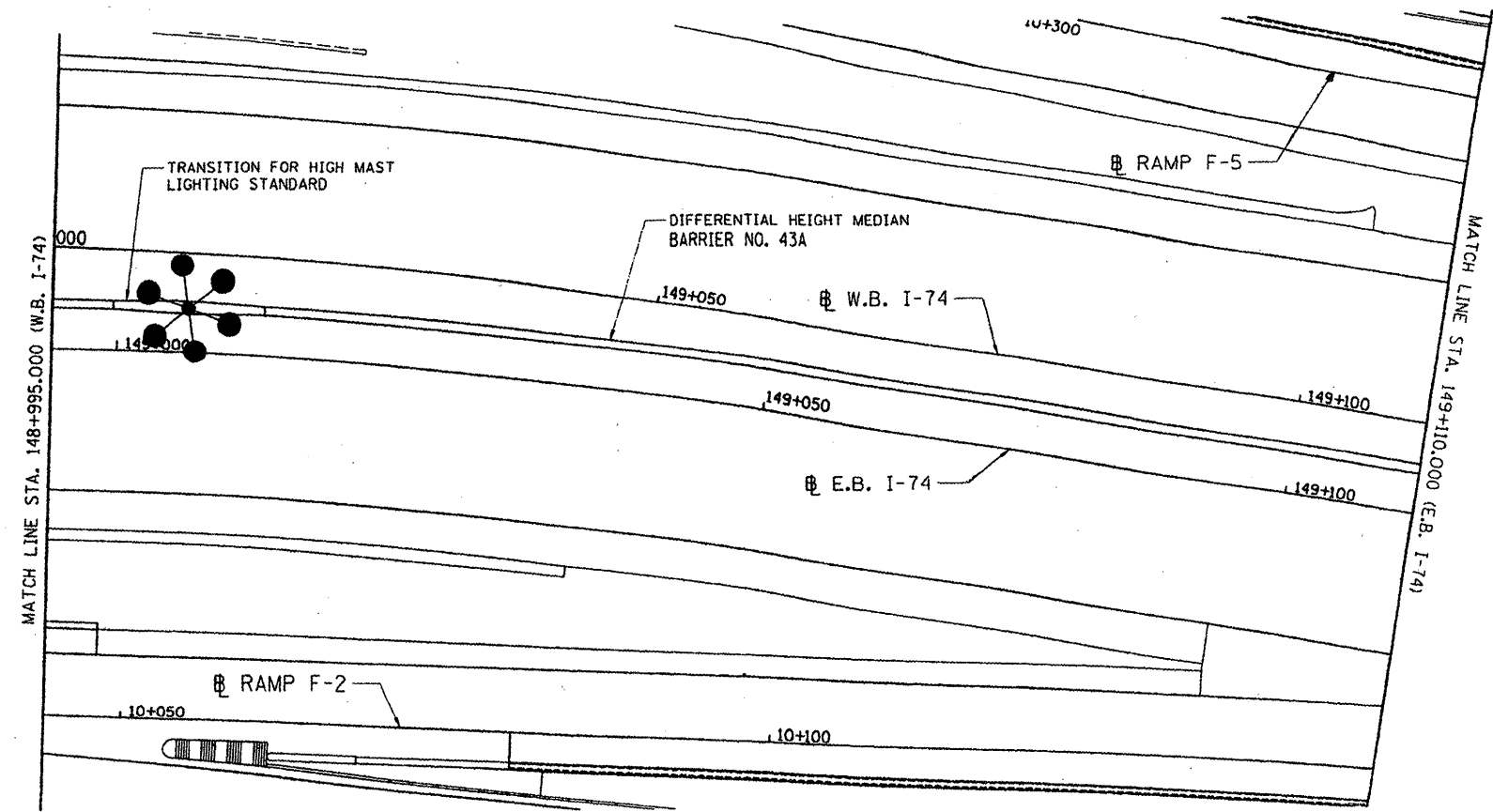
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PLOT SCALE = 1/32" = 103.7851' / IN.	DRAWN - CEJ	REVISED -
PLOT DATE = 3/3/2009	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ROADWAY DETAIL
 DHMB NO. 43A**

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

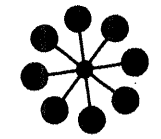
F.A.I. RTE. 74	SECTION 72(7,8,9,9-1)R-2	COUNTY PEORIA	TOTAL SHEETS 9	SHEET NO. 6
D4 CONC. MEDIAN REPAIR 2009			CONTRACT NO. 68876	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



W.B. I-74 STATION	W.B. I-74 OFFSET	@ W.B. I-74 ELEVATION	W.B. TOE ELEVATION	TOP ELEVATION	E.B. TOE ELEVATION	@ E.B. I-74 ELEVATION	E.B. I-74 STATION	E.B. I-74 OFFSET	WIDTH (m)	Δ HEIGHT (m)	SHAPE	JOINT TYPE
148+997.528	4.105 RT	178.351	178.105	179.839	178.672	178.672	148+989.294	3.158 LT	0.685	0.439 EB	NJ	
149+000.608	4.065 RT	178.336	178.092	179.820	178.653	178.653	148+992.321	3.158 LT	0.685	0.433 EB	NJ	CONT
149+003.688	4.024 RT	178.321	178.080	179.801	178.634	178.634	148+995.347	3.158 LT	0.685	0.426 EB	NJ	
149+006.768	3.983 RT	178.305	178.066	179.782	178.616	178.616	148+998.374	3.158 LT	0.685	0.421 EB	NJ	CONT
149+008.062	3.965 RT	178.299	178.061	179.774	178.608	178.608	148+999.645	3.158 LT	0.685	0.418 EB	NJ	
149+012.857	3.741 RT	178.275	178.051	179.751	178.579	178.579	149+004.358	3.000 LT	1.000	0.406 EB	R	EXP
149+014.977	3.711 RT	178.264	178.041	179.738	178.566	178.566	149+006.442	3.000 LT	1.000	0.402 EB	R	EXP
149+019.772	3.801 RT	178.240	178.012	179.703	178.537	178.537	149+011.155	3.158 LT	0.685	0.396 EB	NJ	CONT
149+022.850	3.756 RT	178.225	178.000	179.683	178.518	178.518	149+014.182	3.158 LT	0.685	0.389 EB	NJ	
149+025.928	3.711 RT	178.208	177.985	179.665	178.500	178.500	149+017.208	3.158 LT	0.685	0.385 EB	NJ	CONT
149+029.005	3.665 RT	178.191	177.971	179.645	178.480	178.480	149+020.234	3.158 LT	0.685	0.379 EB	NJ	
149+032.083	3.618 RT	178.171	177.957	179.624	178.459	178.459	149+023.261	3.158 LT	0.685	0.372 EB	NJ	CONT
149+035.160	3.571 RT	178.151	177.947	179.602	178.437	178.437	149+026.287	3.158 LT	0.685	0.359 EB	NJ	
149+038.236	3.524 RT	178.128	177.935	179.577	178.413	178.413	149+029.314	3.158 LT	0.685	0.348 EB	NJ	CONT
149+041.312	3.475 RT	178.105	177.922	179.552	178.388	178.388	149+032.340	3.158 LT	0.685	0.335 EB	NJ	
149+044.388	3.427 RT	178.080	177.907	179.525	178.361	178.361	149+035.367	3.158 LT	0.685	0.323 EB	NJ	CONT
149+047.464	3.377 RT	178.053	177.890	179.497	178.333	178.333	149+038.393	3.158 LT	0.685	0.312 EB	NJ	
149+050.539	3.327 RT	178.025	177.872	179.467	178.303	178.303	149+041.420	3.158 LT	0.685	0.300 EB	NJ	CONT
149+053.614	3.276 RT	177.995	177.851	179.436	178.273	178.273	149+044.446	3.158 LT	0.685	0.290 EB	NJ	
149+056.688	3.225 RT	177.964	177.830	179.403	178.240	178.240	149+047.473	3.158 LT	0.685	0.278 EB	NJ	CONT
149+059.739	3.183 RT	177.932	177.805	179.369	178.206	178.206	149+050.499	3.158 LT	0.685	0.269 EB	NJ	
149+062.789	3.161 RT	177.898	177.772	179.334	178.171	178.171	149+053.526	3.158 LT	0.685	0.267 EB	NJ	CONT
149+065.839	3.158 RT	177.863	177.737	179.300	178.134	178.134	149+065.839	3.158 LT	0.685	0.268 EB	NJ	
149+068.889	3.158 RT	177.827	177.701	179.265	178.096	178.096	149+068.889	3.158 LT	0.685	0.269 EB	NJ	CONT
149+071.939	3.158 RT	177.788	177.662	179.225	178.056	178.056	149+071.939	3.158 LT	0.685	0.267 EB	NJ	
149+074.989	3.158 RT	177.749	177.625	179.184	178.015	178.015	149+074.989	3.158 LT	0.685	0.264 EB	NJ	CONT
149+078.039	3.158 RT	177.708	177.586	179.141	177.972	177.972	149+078.039	3.158 LT	0.685	0.260 EB	NJ	
149+081.089	3.158 RT	177.666	177.545	179.097	177.928	177.928	149+081.089	3.158 LT	0.685	0.257 EB	NJ	CONT
149+084.139	3.158 RT	177.622	177.503	179.051	177.882	177.882	149+084.139	3.158 LT	0.685	0.253 EB	NJ	
149+087.189	3.158 RT	177.576	177.458	179.004	177.835	177.835	149+087.189	3.158 LT	0.685	0.251 EB	NJ	CONT
149+090.239	3.158 RT	177.529	177.413	178.955	177.786	177.786	149+090.239	3.158 LT	0.685	0.247 EB	NJ	
149+093.289	3.158 RT	177.481	177.366	178.905	177.736	177.736	149+093.289	3.158 LT	0.685	0.244 EB	NJ	CONT
149+096.339	3.158 RT	177.432	177.319	178.854	177.685	177.685	149+096.339	3.158 LT	0.685	0.240 EB	NJ	
149+099.389	3.158 RT	177.380	177.268	178.801	177.632	177.632	149+099.389	3.158 LT	0.685	0.238 EB	NJ	CONT
149+102.439	3.158 RT	177.328	177.218	178.746	177.577	177.577	149+102.439	3.158 LT	0.685	0.233 EB	NJ	
149+105.489	3.158 RT	177.274	177.165	178.691	177.522	177.522	149+105.489	3.158 LT	0.685	0.231 EB	NJ	CONT
149+108.539	3.158 RT	177.218	177.111	178.633	177.464	177.464	149+108.539	3.158 LT	0.685	0.227 EB	NJ	

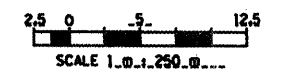
TRANSITION LIGHT TOWER BASE TRANSITION

LEGEND



HIGH MAST LIGHT TOWER

FOR INFORMATION ONLY



FILE NAME = 68876 1-74 CONCRETE BARRIER WALL REPAIR

USER NAME = jonesco
PLOT SCALE = 1/8" = 1' / IN.
PLOT DATE = 3/2/2009

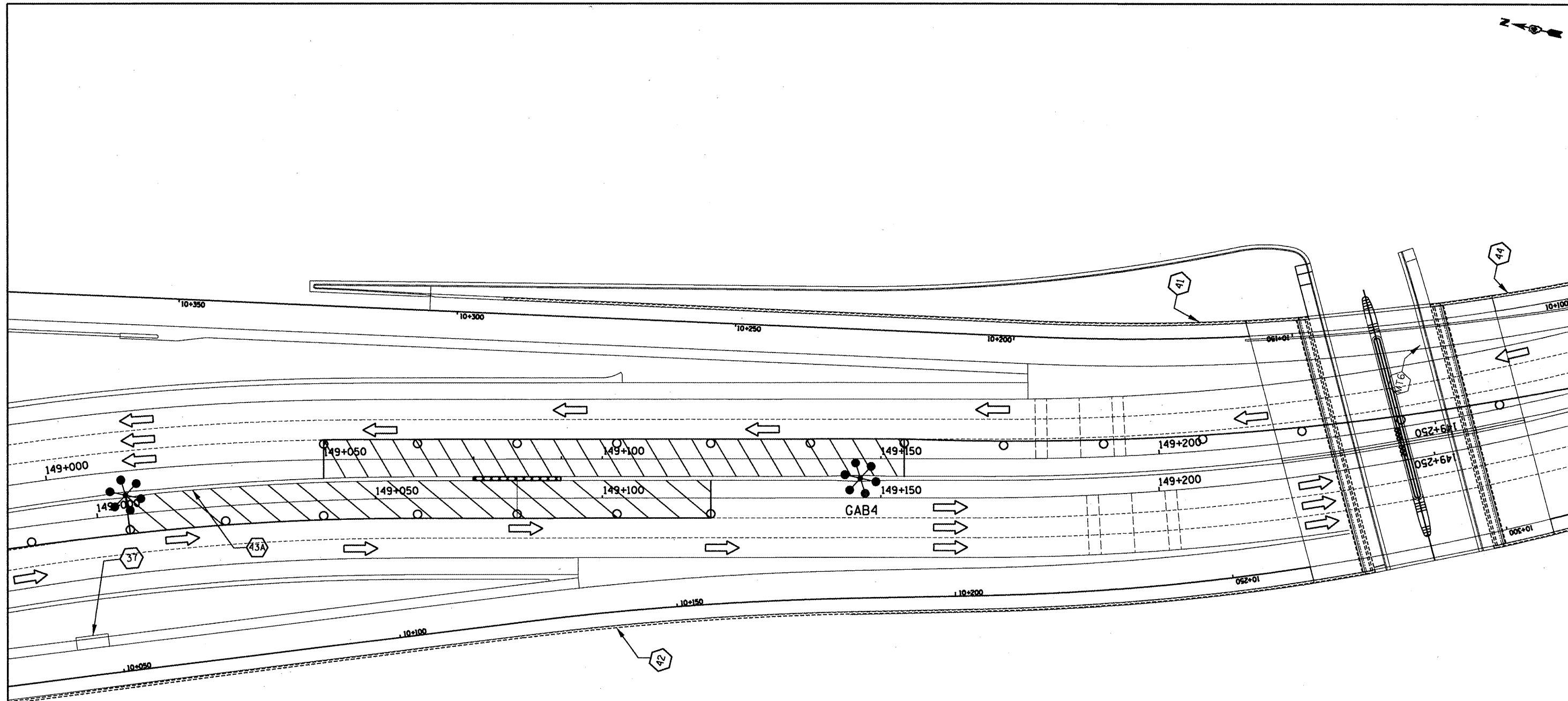
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DRAWN - CEJ
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ROADWAY DETAIL
DHMB NO. 43A
SCALE: 1 in = 250m SHEET NO. OF SHEETS STA. 148+995.000 TO STA. 149+110.000

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72(7,8,9,9-1)R-2	PEORIA	9	7
D4 CONC. MEDIAN REPAIR 2009			CONTRACT NO. 68876	
FED. ROAD DIST. NO. 4 (ILLINOIS) FED. AID PROJECT				








NOTES

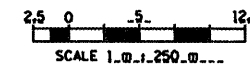
Refer to Highway Standard 701406 for exact placement of traffic management devices and other clarifications as construction staging symbols and dimensioning were duplicated off of these standards.

Five steady-burn monodirectional lights shall be placed onto drums paralleling each side of concrete barrier being repaired at end of work day and activated for overnight traffic control. Cost to be included in T.C.& P. Standard 701406.

The Contractor shall stage construction so that the work zone will be protected with work being done on the same side of the concrete barrier wall as the location of the Impact Attenuator.

LEGEND

-  Work Area
-  Cone, Drum, or Barricade
-  Temporary Traffic
-  Direction Indicator Barricade
-  High Mast Tower

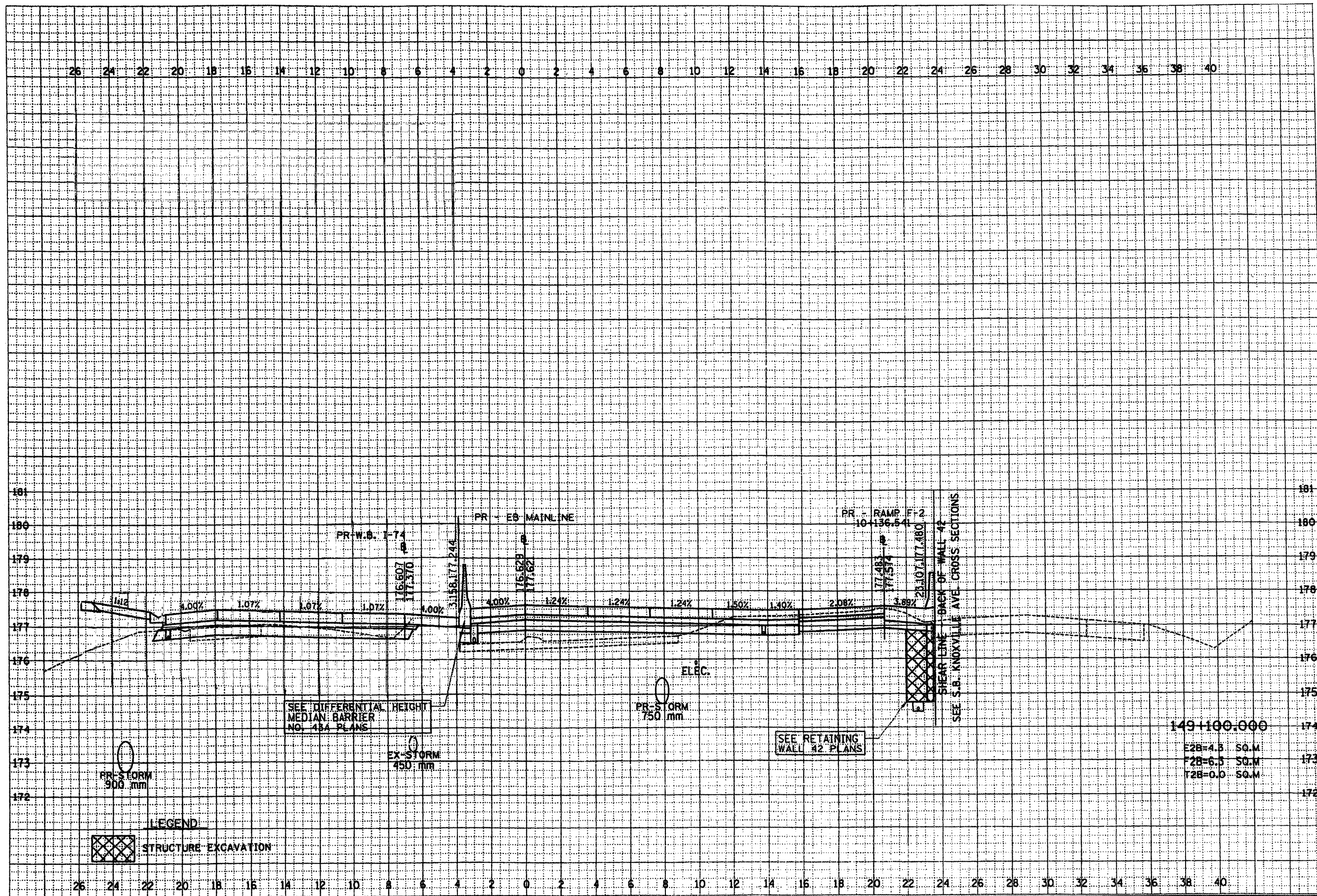


FILE NAME = 68876 1-74 CONCRETE BARRIER WALL REPAIR	USER NAME = jonesae	DESIGNED - CEJ	REVISED - ---
	PLOT SCALE = 1/32" = 1/8" / IN.	DRAWN - CEJ	REVISED - ---
	PLOT DATE = 3/13/2009	CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC CONTROL	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72(7,8,9,9-1)R-2	PEORIA	9	8
D4 CONC. MEDIAN REPAIR 2009		CONTRACT NO. 68876		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



FILE NAME = 68876 I-74 CONCRETE BARRIER WALL REPAIR

USER NAME = jonesce
 PLOT SCALE = 103.7051' / IN.
 PLOT DATE = 3/3/2009

DESIGNED - CEJ	REVISED - ---
DRAWN - ---	REVISED - ---
CHECKED - ---	REVISED - ---
DATE - 03/03/2009	REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING
 EB I-74 MAINLINE STA. 149+100.000**

SCALE: 1m - 250m SHEET NO. ___ OF ___ SHEETS STA. 148+995.000 TO STA. 149+110.000

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72(7,8,9,9-1)R-2	PEORIA	9	9
D4 CONC. MEDIAN REPAIR 2009			CONTRACT NO. 68876	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				