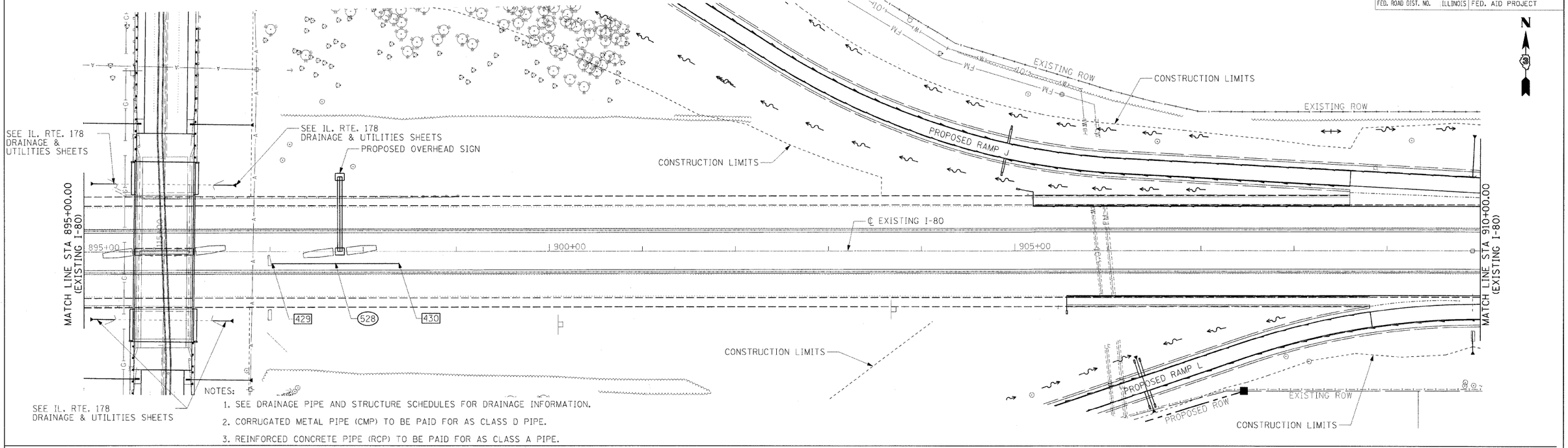
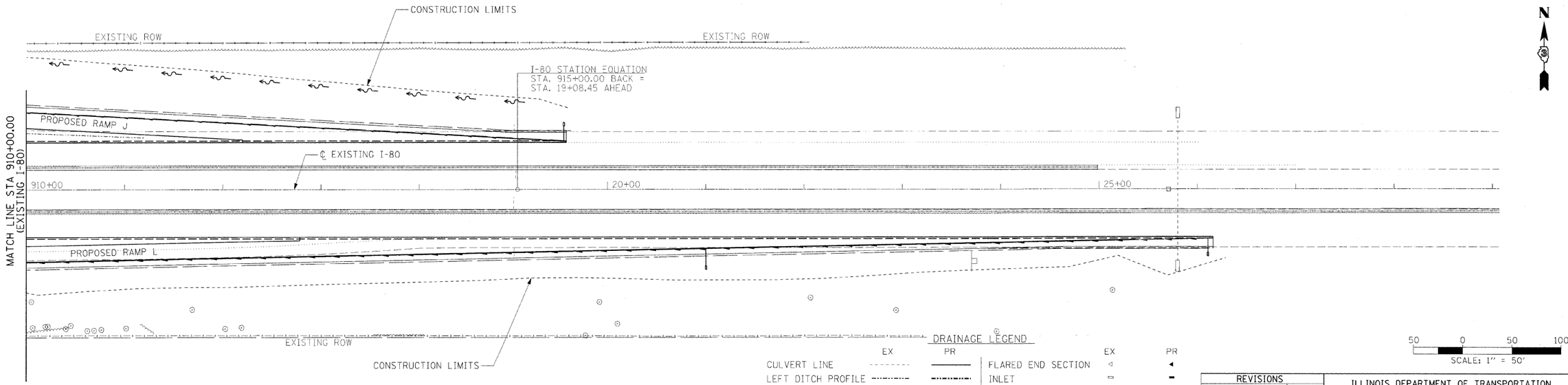
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	201
STA. 895+00.00	TO STA.	29+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
3. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.



DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		200
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

50 0 50 100
SCALE: 1" = 50'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED I-80
DRAINAGE PLAN SHEET
STA. 895+00.00 TO STA. 29+00.00

SCALE: VERT.
HORIZ. 1" = 50'
DATE

DRAWN BY KET
CHECKED BY

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	MTM	10/1/07

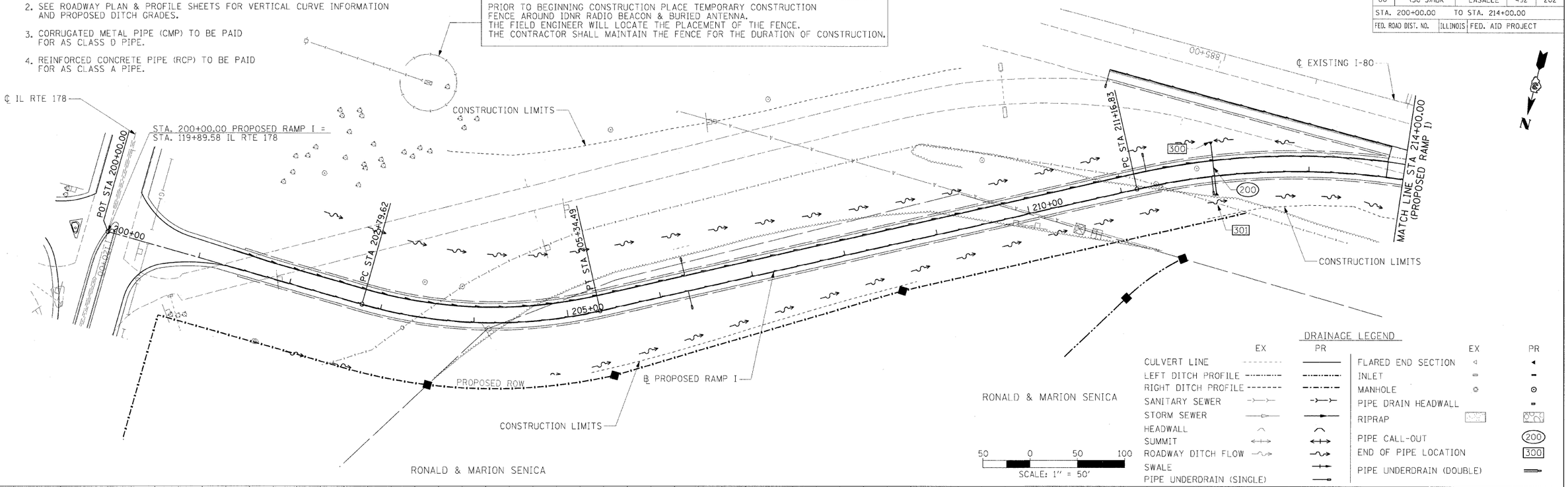
MODEL NAME = I-80 Sht 2
PLOT DATE = 12/3/2008
FILE NAME = C:\PW_Export\C-80DRN.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Johna00944

CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	202
STA. 200+00.00	TO STA. 214+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

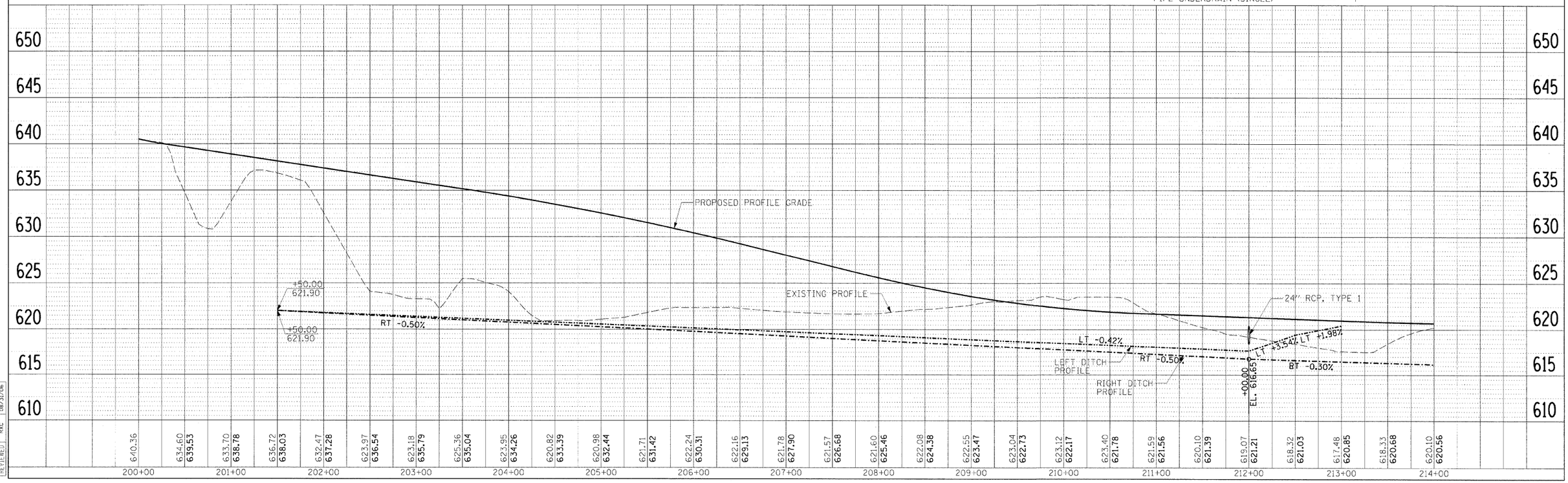
NOTES:
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

PRIOR TO BEGINNING CONSTRUCTION PLACE TEMPORARY CONSTRUCTION FENCE AROUND IDNR RADIO BEACON & BURIED ANTENNA. THE FIELD ENGINEER WILL LOCATE THE PLACEMENT OF THE FENCE. THE CONTRACTOR SHALL MAINTAIN THE FENCE FOR THE DURATION OF CONSTRUCTION.



DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		[300]
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					



DRAINAGE & UTILITIES RAMP I

HANSON
Hanson Professional Services Inc.
525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, SLOPES CHECKED, ALL MARKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

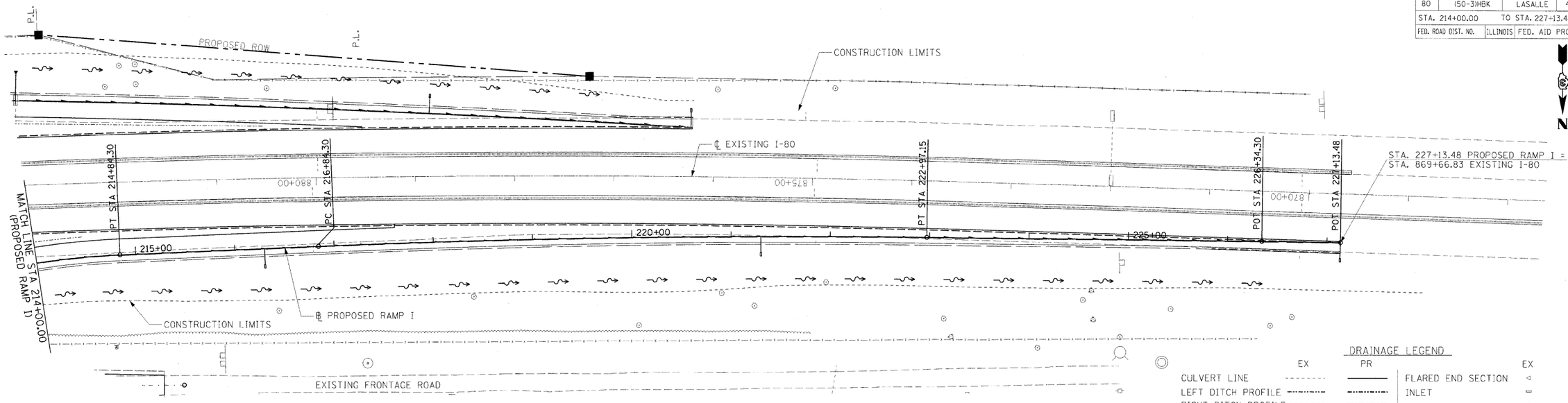
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALL MARKED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/06

MODEL NAME = RAMP 1-1
PLOT DATE = 12/21/2009
FILE NAME = G:\PW_Export\C-80BDPN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsd6944

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	203
STA. 214+00.00		TO STA. 227+13.48		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

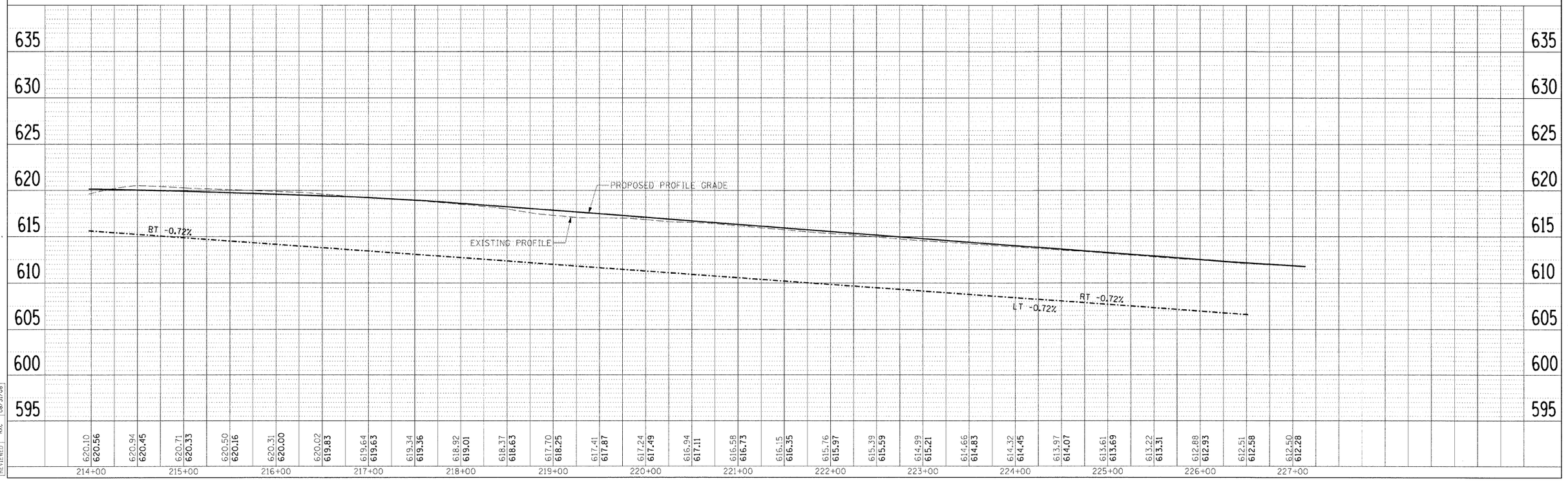
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

RONALD & MARION SENICA

50 0 50 100
SCALE: 1" = 50'

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL					
SUMMIT			PIPE CALL-OUT		200
ROADWAY DITCH FLOW			END OF PIPE LOCATION		300
SWALE					
PIPE UNDERDRAIN (SINGLE)			PIPE UNDERDRAIN (DOUBLE)		



DRAINAGE & UTILITIES RAMP I

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, NOTE BOOK, NO., STRUCTURE NOTATIONS CHKD, BY, DATE

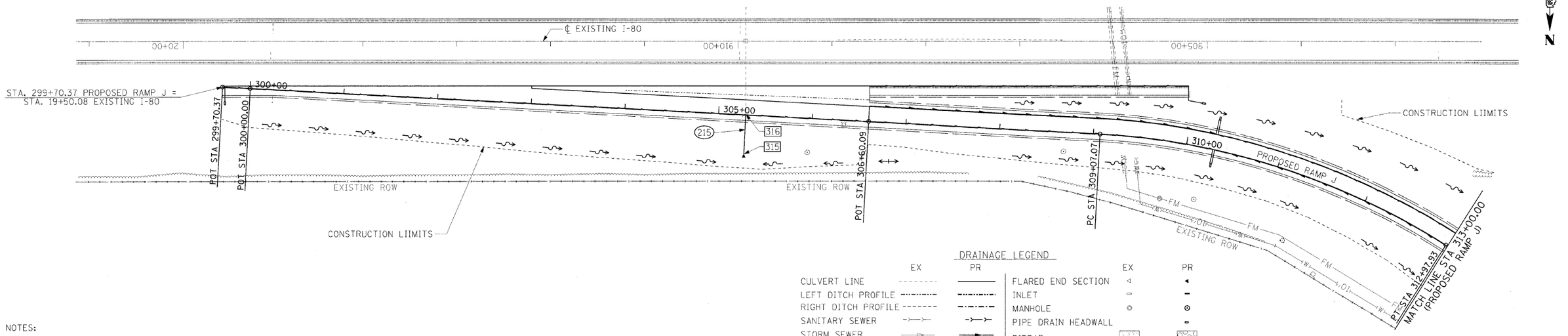
LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RVC	08/31/06

MODEL NAME = RAMP 1-2
PLOT DATE = 12/21/2009
FILE NAME = G:\PW_Exports\IC 80\80RN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johns207944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	204
STA.	299+70.37	TO STA.	313+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

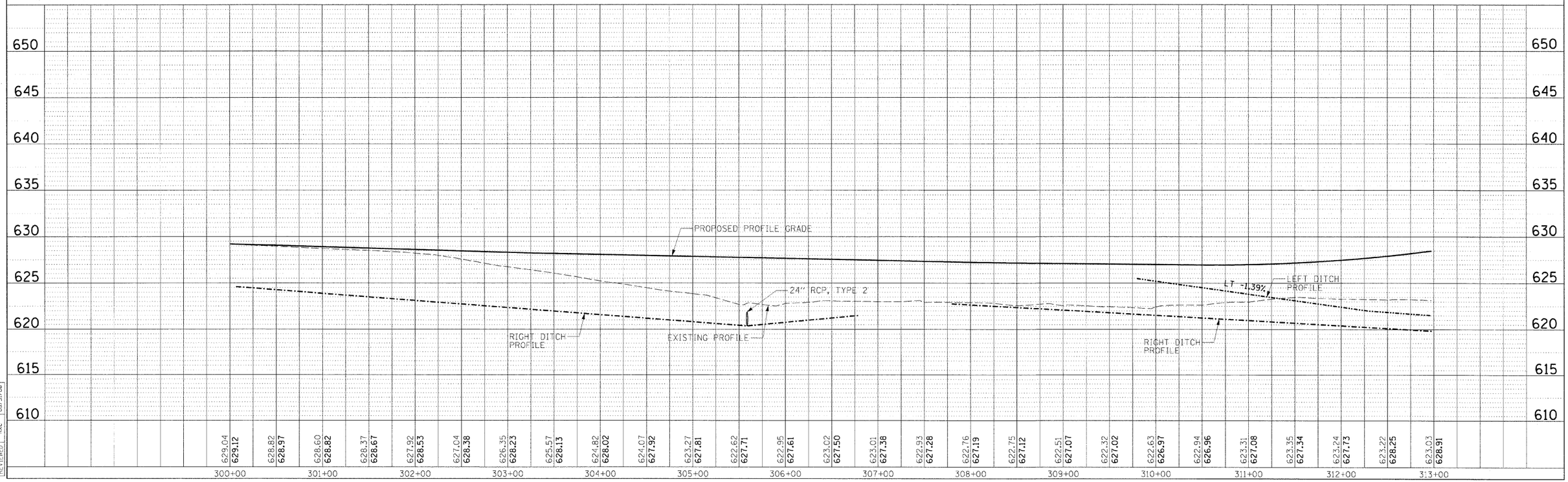
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

MICHAEL WELSH (LIVING TRUST)

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

50 0 50 100
SCALE: 1" = 50'



HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: SURVEYED, PLOTTED, ALIGNMENTS CHECKED, CADD FILE NAME, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BASE LINE, STRUCTURE NOTATIONS OKAD, NOTE BOOK, NO.
BY, DATE

MODEL NAME = RAMP J-1
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-882DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johna07942

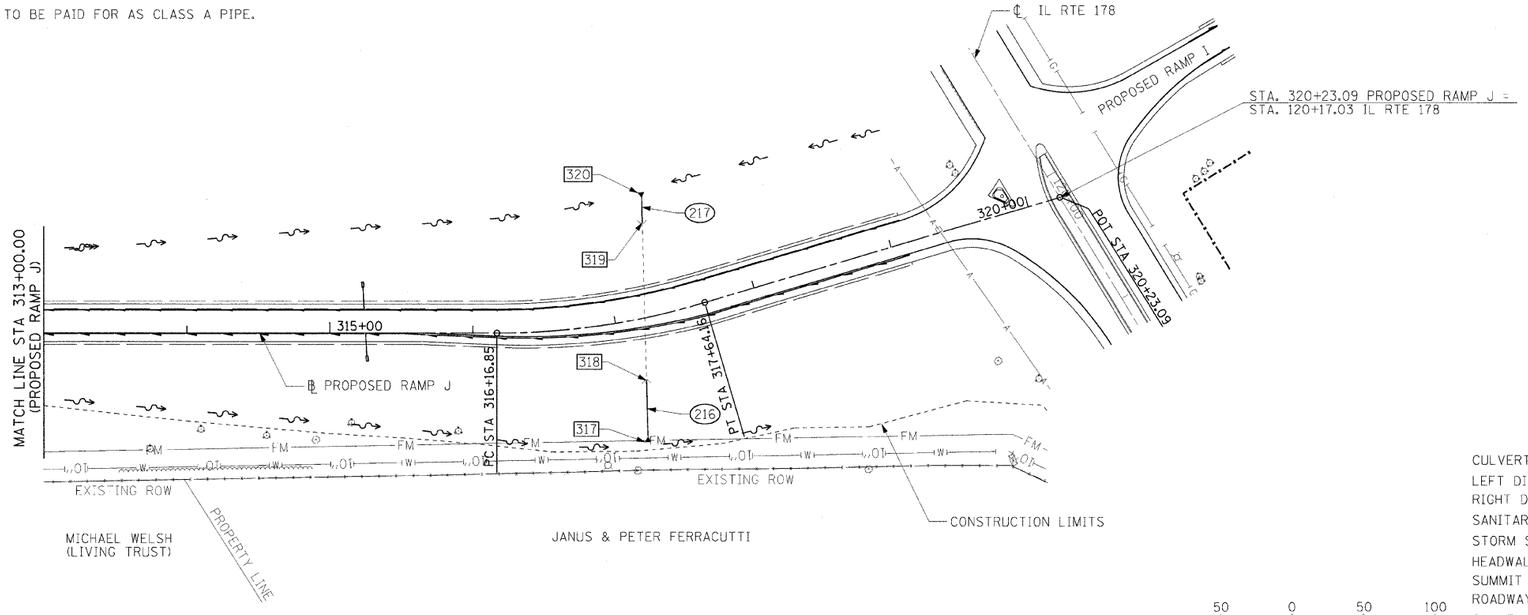
LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RXC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	205
STA. 313+00.00	TO STA. 320+23.09			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

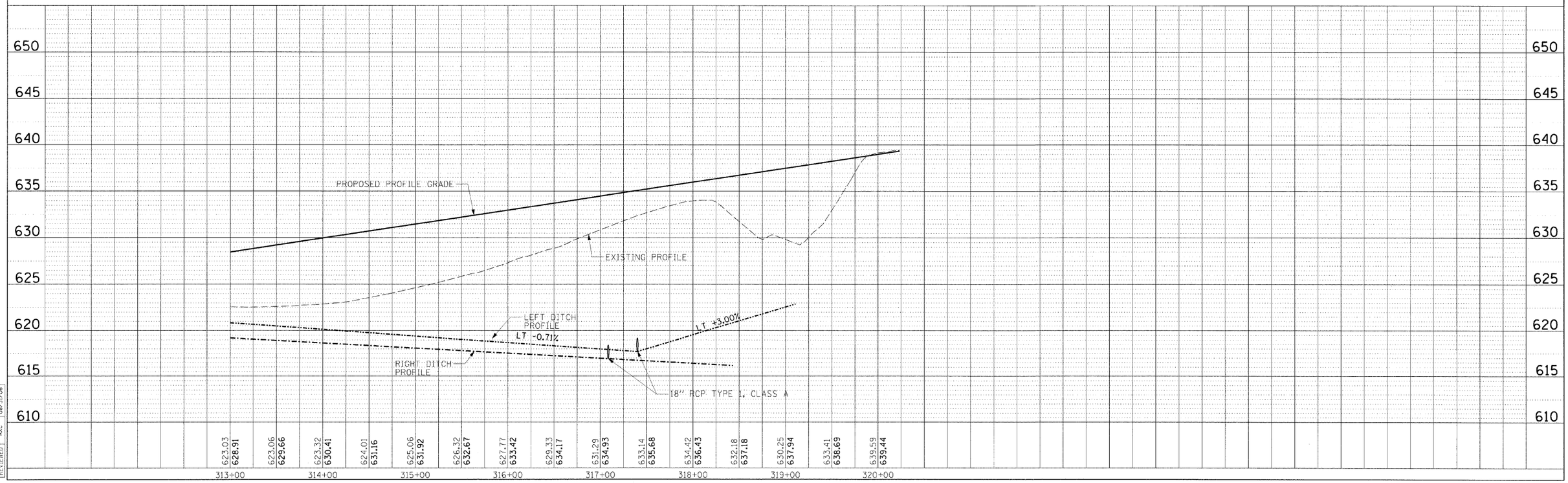
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.



DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION	◁	◀
LEFT DITCH PROFILE			INLET	▭	▬
RIGHT DITCH PROFILE			MANHOLE	⊙	⊙
SANITARY SEWER			PIPE DRAIN HEADWALL		▬
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		200
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

50 0 50 100
SCALE: 1" = 50'



PROFILE
CONVERTED
PLOTTED
GRADES CHECKED
ALIGNMENT CHKD
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.

PLAN
CONVERTED
PLOTTED
ALIGNMENT CHECKED
RTE. NAME ASSIGNED
CADD FILE NAME
NOTE BOOK
NO.

BY | DATE

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

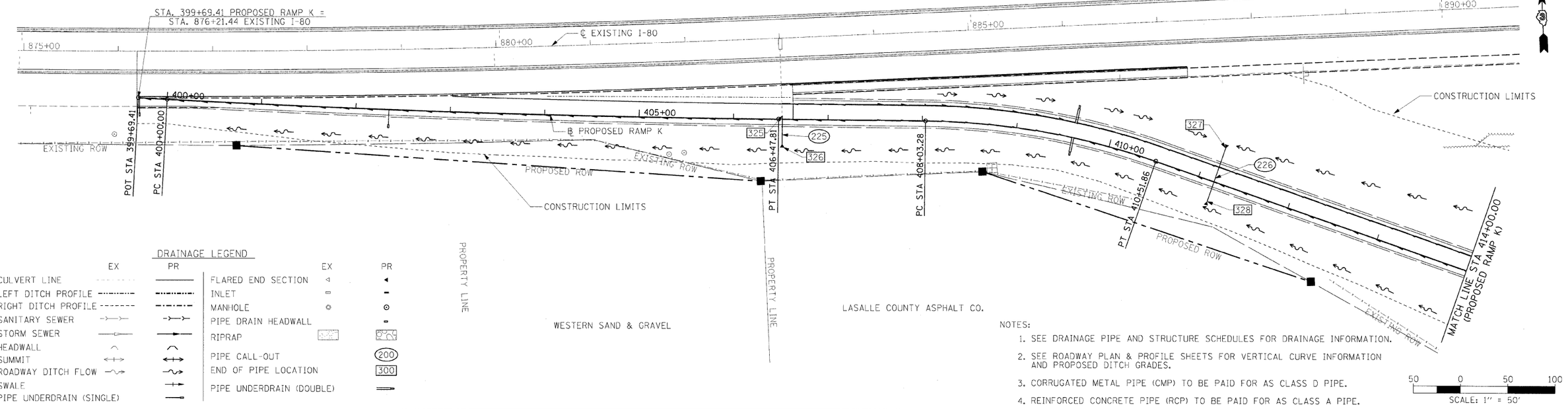
MODEL NAME = RAMP J-2
PLOT DATE = 12/23/2009
FILE NAME = c:\pw_work\c-6800RMJ.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John80744

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RXC	08/31/06

DRAINAGE & UTILITIES RAMP J

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	206
STA. 399+69.44		TO STA. 414+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



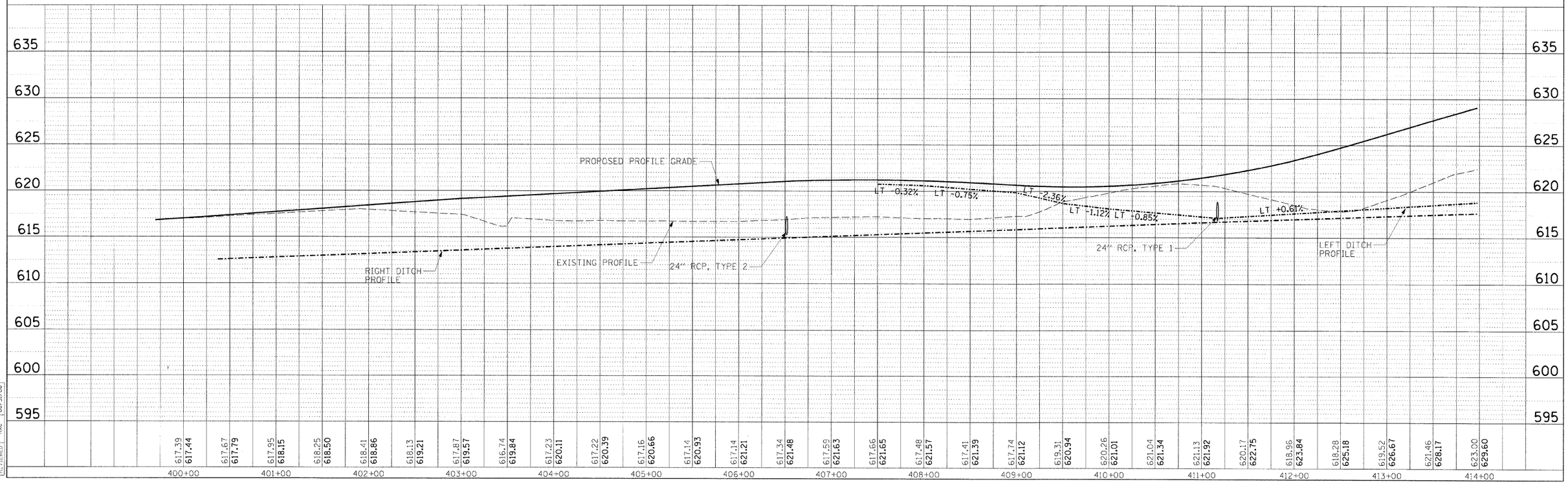
DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT	(200)	
SUMMIT			END OF PIPE LOCATION	300	
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

50 0 50 100
SCALE: 1" = 50'



DRAINAGE & UTILITIES RAMP K

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, MASTER FILE NAME, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, MASTER FILE NAME, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

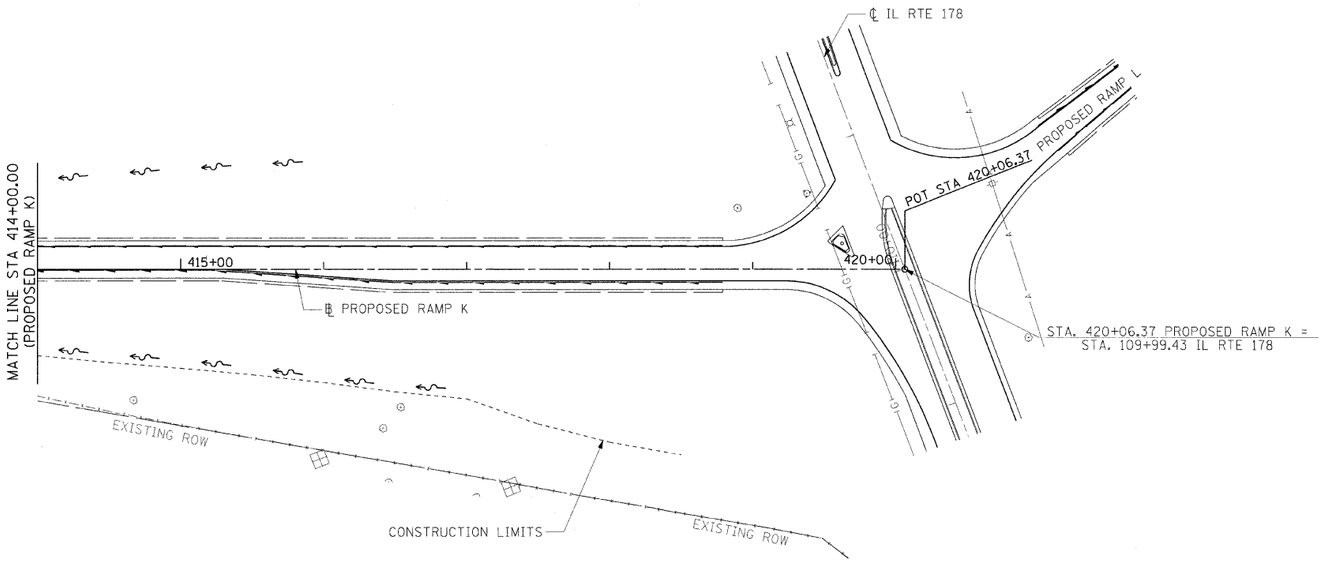
MODEL NAME = RAMP K-1
PLOT DATE = 12/23/2009
FILE NAME = C:\PW_Exports\C 82DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsb8944

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/06

HANSON
Hanson Professional Services Inc.
2525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	207
STA. 414+00.00	TO STA.	420+06.37		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



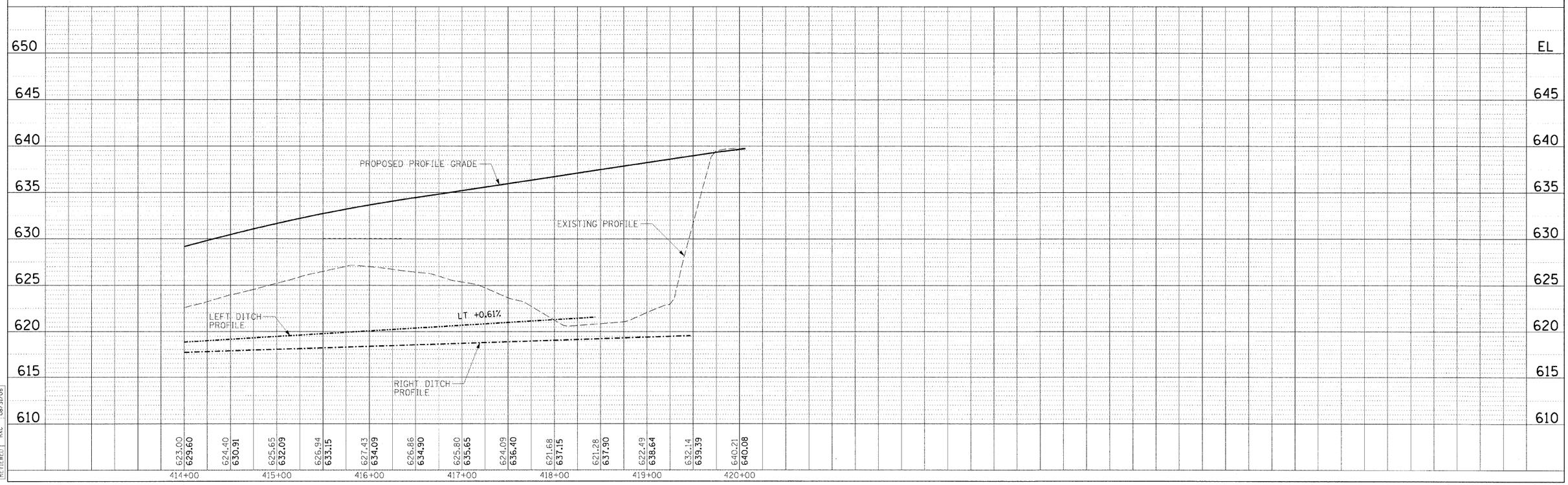
NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION	◁	◀
LEFT DITCH PROFILE			INLET	□	▬
RIGHT DITCH PROFILE			MANHOLE	⊙	⊙
SANITARY SEWER			PIPE DRAIN HEADWALL		▬
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

50 0 50 100
SCALE: 1" = 50'



DRAINAGE & UTILITIES RAMP K

PLAN	DRAWING PLOTTED	BY	DATE
NOTE BOOK	ALIGNMENT CHECKED		
NO.	ELEVATIONS CHECKED		
	CADD FILE NAME		

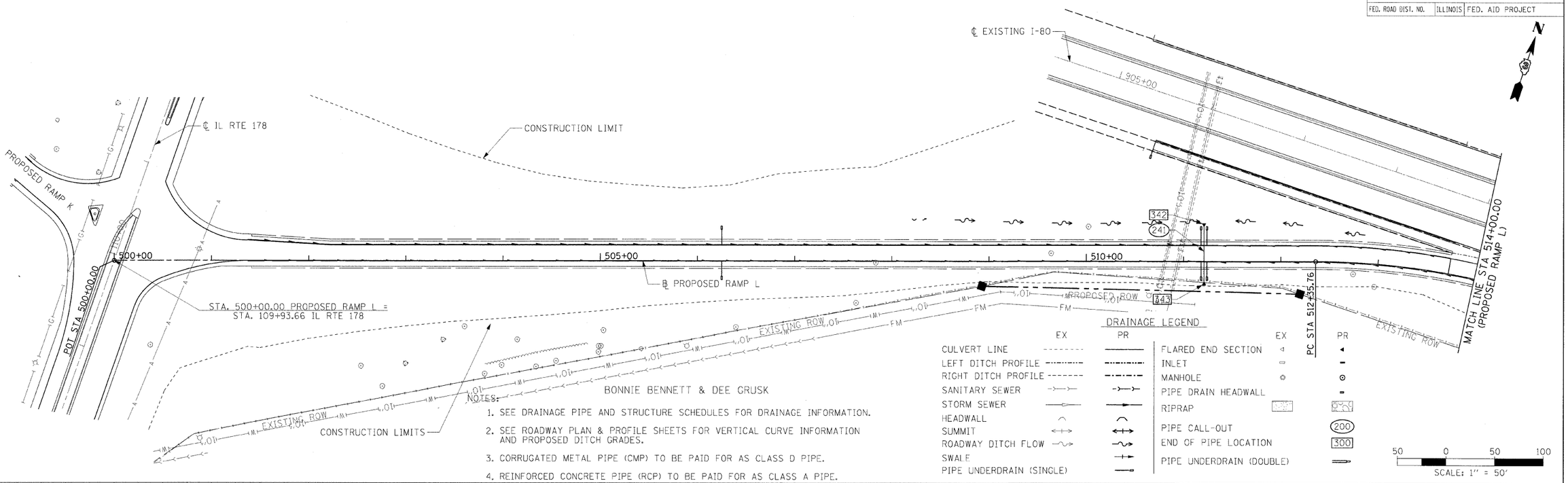
PROFILE	DRAWING PLOTTED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	MASS ORDINATES		
	STRUCTURE NOTATIONS CHKD		

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/05

MODEL NAME = RAMP K-2
PLOT DATE = 12/27/2009
FILE NAME = G:\PW_Exports\IC-6808DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnm07744

CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	208
STA. 500+00.00	TO STA.	514+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

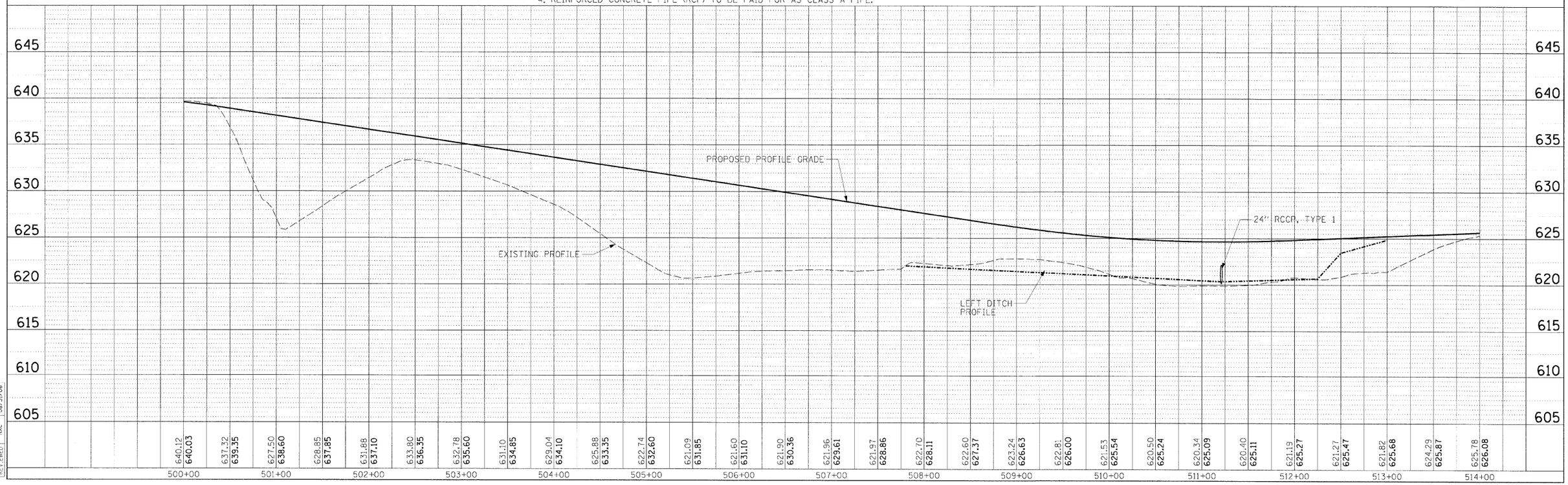


NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		200
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					



DRAINAGE & UTILITIES RAMP L

HANSON
Hanson Professional Services Inc.
Hanson 25 Corporate Woods
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RELEASED FOR BID, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

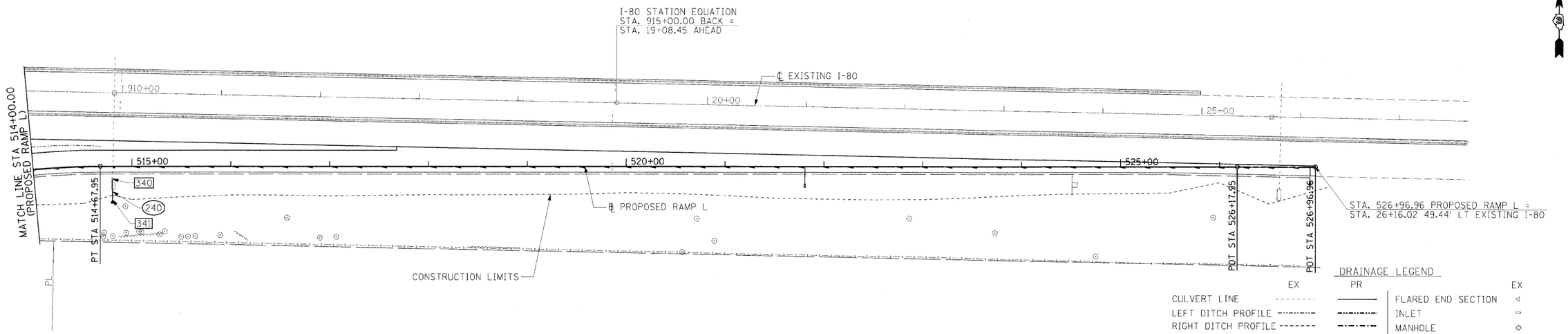
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, RELEASED FOR BID, STRUCTURE NO'S/ATMS CHKD, NOTE BOOK, NO., BY, DATE

MODEL NAME = RAMP L-1
PLOT DATE = 12/27/2009
FILE NAME = C:\PW_Export\C:860DRNdgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsm0944

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	209
STA. 514+00.00	TO STA. 526+96.96			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

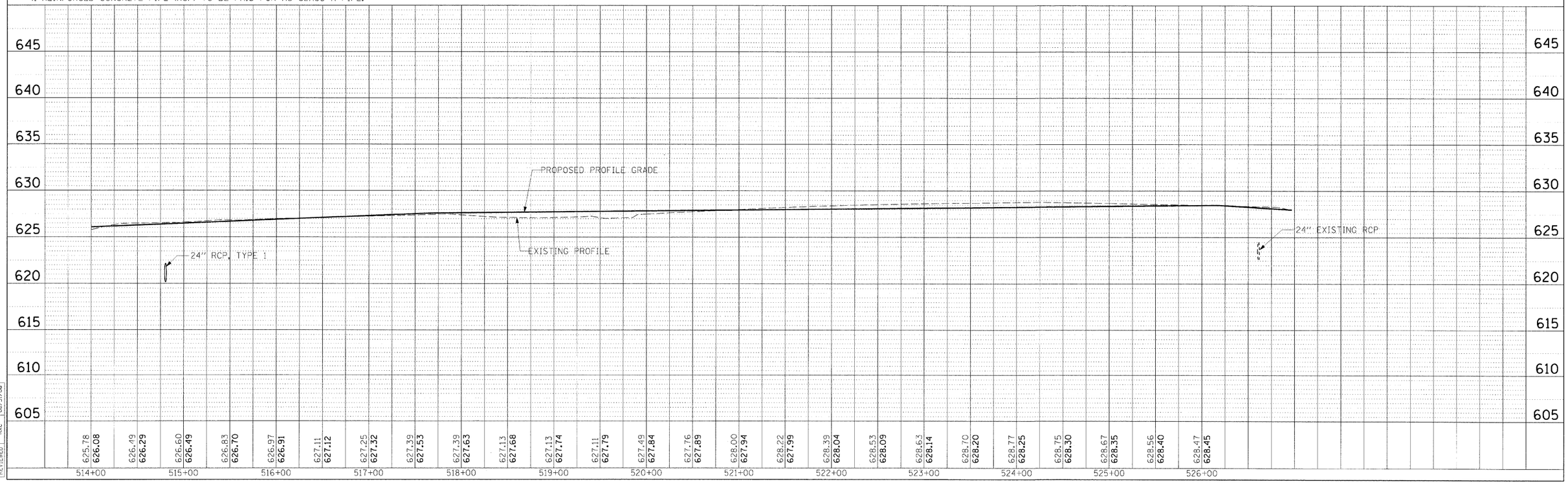
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

BONNIE BENNETT & DEE CRUSK

50 0 50 100
SCALE: 1" = 50'

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					



DRAINAGE & UTILITIES RAMP L

HANSON
Hanson Professional Services Inc.
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ELEVATIONS CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

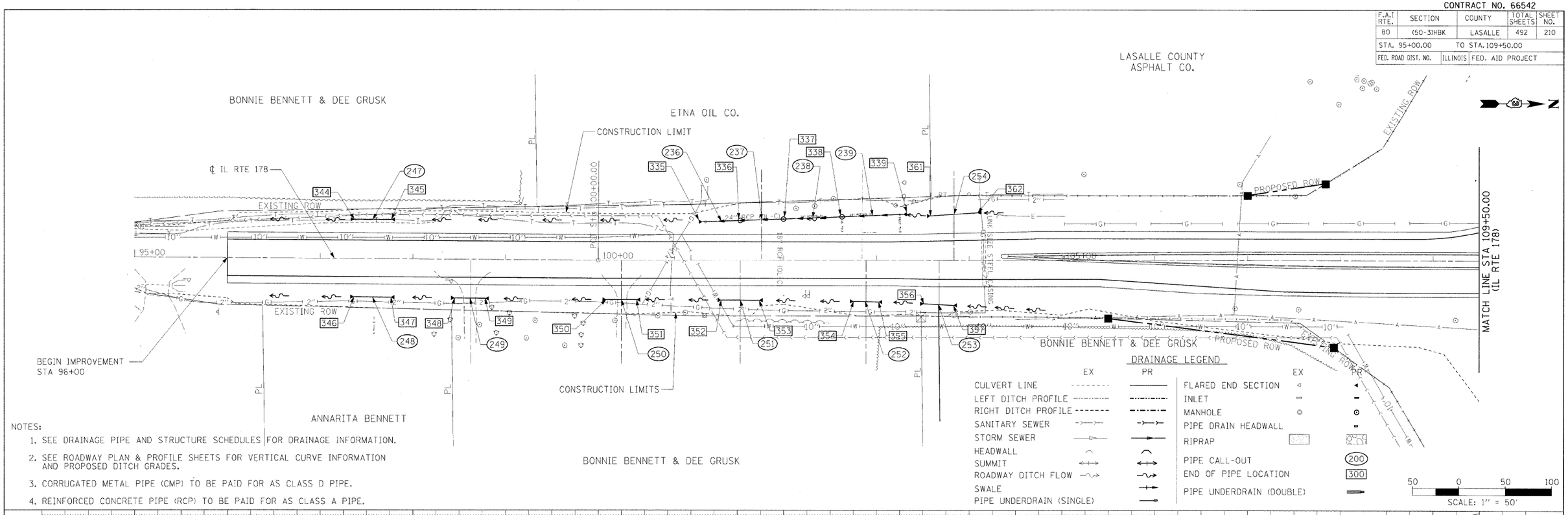
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ELEVATIONS CHECKED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

MODEL NAME = RAMP L-2
PLOT DATE = 12-23-2009
FILE NAME = C:\PW_Export\C-80DRPN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John+60944

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/06

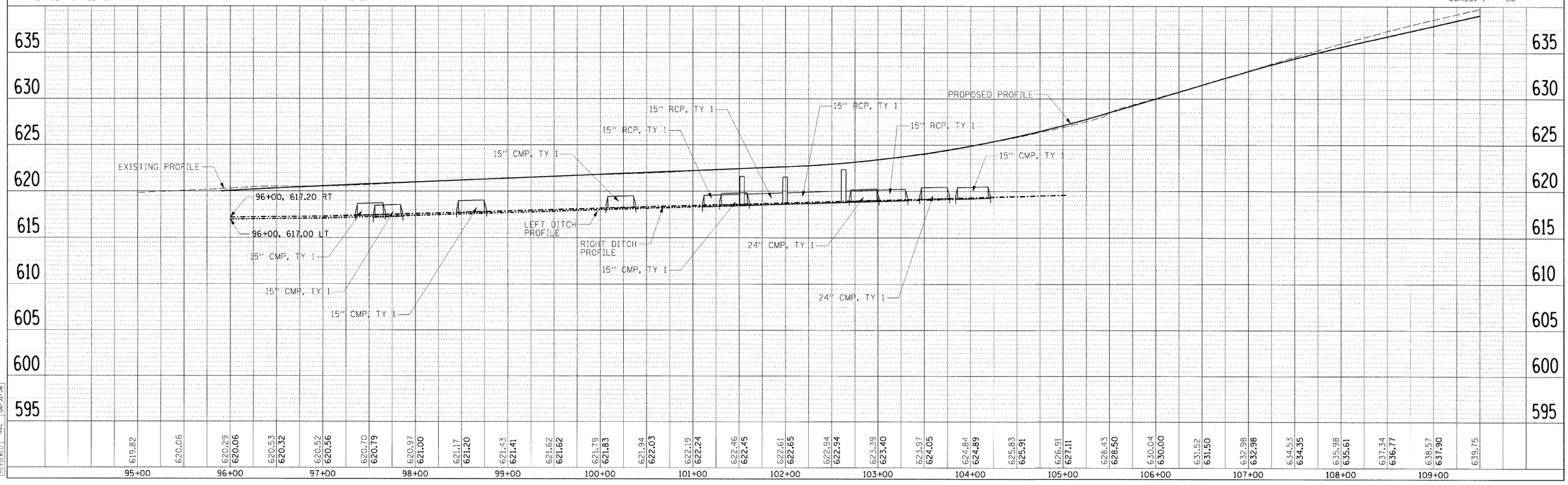
CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	210
STA. 95+00.00		TO STA. 109+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.



DRAINAGE & UTILITIES IL ROUTE 178

HANSON
Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: CORRECTED, PLOTTED, ALIGNMENT CHECKED, GRADE CHECKED, NOTE BOOK, NO., CADD FILE NAME, BY, DATE

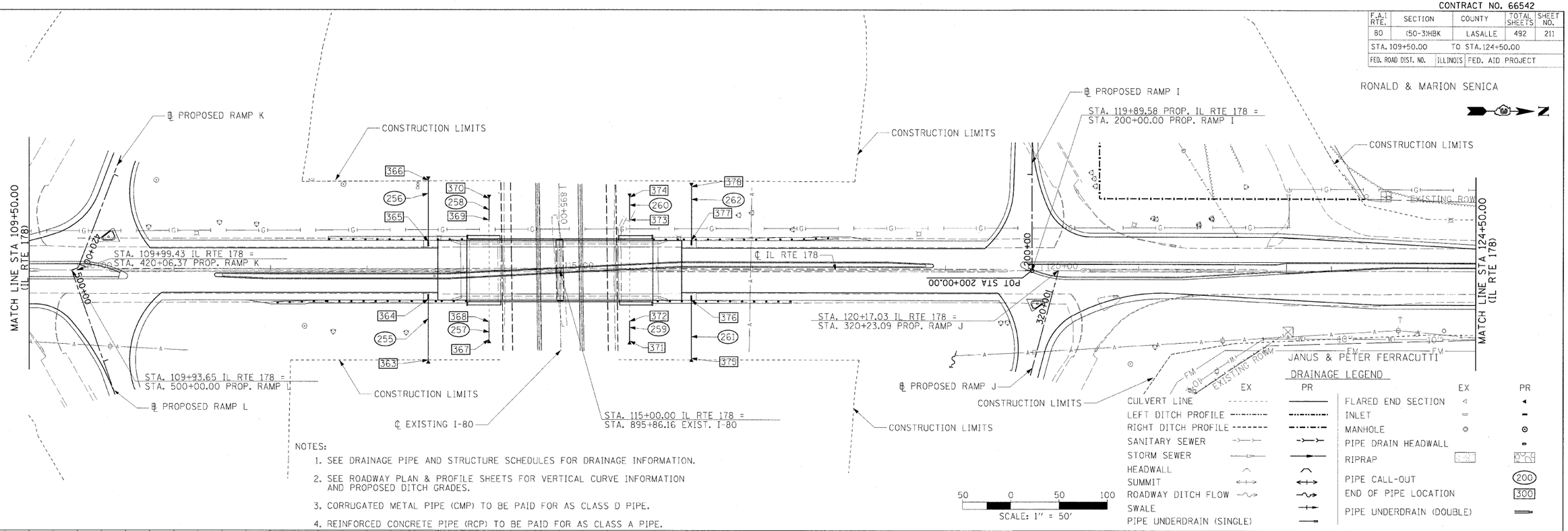
PROFILE: CORRECTED, PLOTTED, GRADE CHECKED, NOTE BOOK, NO., STRUCTURE NOTATIONS CHKD

MODEL NAME = IL RTE 178-2
PLOT DATE = 12/21/2009
FILE NAME = C:\Pw_Export\IC-8182Sht-dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsd06944

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RKC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	211
STA. 109+50.00		TO STA. 124+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

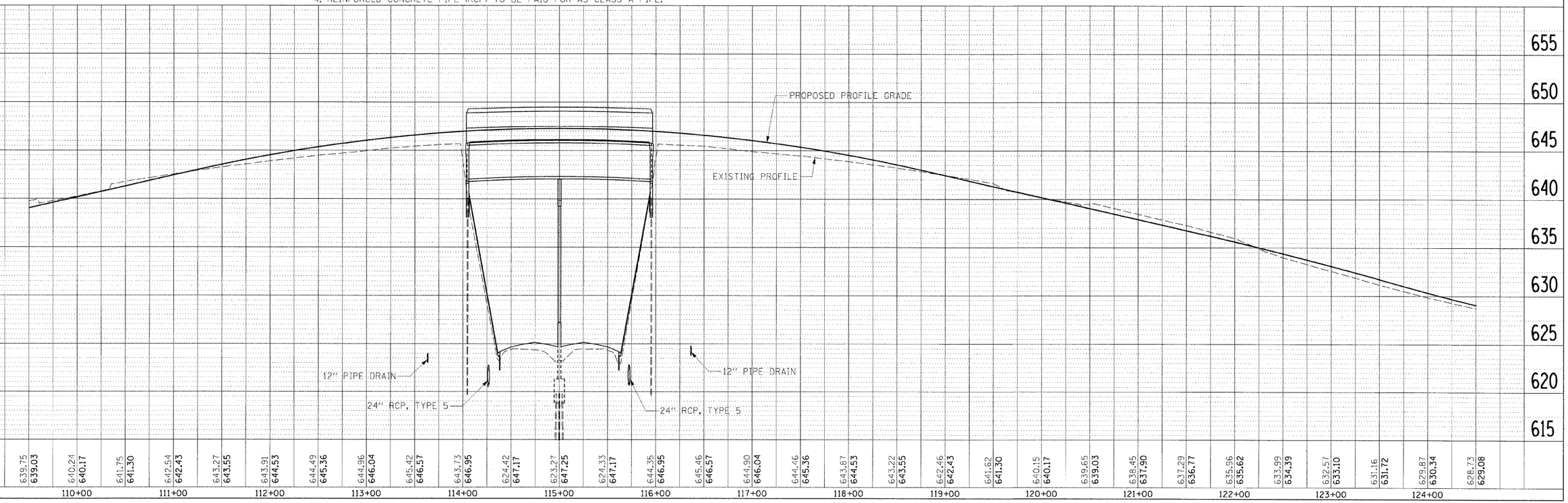
1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

50 0 50 100
SCALE: 1" = 50'

DRAINAGE LEGEND

	EX	PR
CULVERT LINE	----------	———
LEFT DITCH PROFILE	-·-·-·-·-	-·-·-·-·-
RIGHT DITCH PROFILE	- - - - -	-·-·-·-·-
SANITARY SEWER	-○—○—	-○—○—
STORM SEWER	——○——	——●——
HEADWALL	⌒	⌒
SUMMIT	⟷	⟷
ROADWAY DITCH FLOW	~→	~→
SWALE		→—
PIPE UNDERDRAIN (SINGLE)		——

	EX	PR
FLARED END SECTION	◁	◀
INLET	▭	▬
MANHOLE	⊙	⊙
PIPE DRAIN HEADWALL		▬
RIPRAP		
PIPE CALL-OUT		200
END OF PIPE LOCATION		300
PIPE UNDERDRAIN (DOUBLE)		═══



DRAINAGE & UTILITIES IL RTE 178

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: DRAWN, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, CADD FILE NAME, NOTE BOOK, NO., STRUCTURE NO'S/ATR'S /SHKD, BY, DATE

MODEL NAME = IL RTE 178-3
PLOT DATE = 12-23-2009
FILE NAME = C:\PW_Export\C-6820DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsd0944

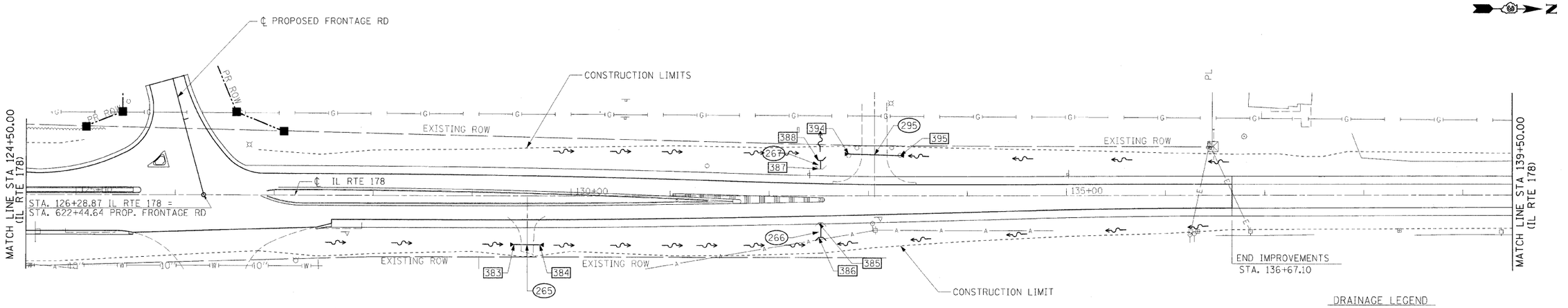
LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RxC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	212
STA. 124+50.00		TO STA. 139+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

RONALD & MARION SENICA

PIONEER HYBRID INTERNATIONAL, INC.



JANUS & PETER FERRACUTTI

MICHAEL WELSH (LIVING TRUST)

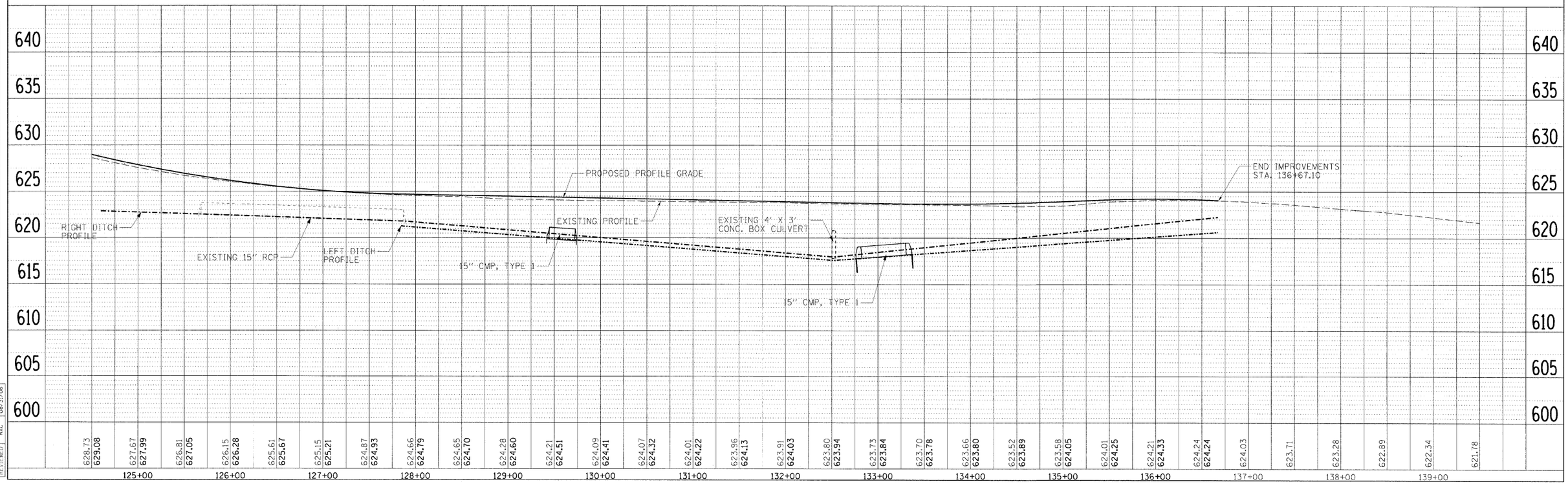
NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

SCALE: 1" = 50'

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE	---	———	FLARED END SECTION	◁	◀
LEFT DITCH PROFILE	-·-·-	-·-·-	INLET	▫	▪
RIGHT DITCH PROFILE	-·-·-	-·-·-	MANHOLE	⊙	⊙
SANITARY SEWER	-›—‹-	-›—‹-	PIPE DRAIN HEADWALL		▪
STORM SEWER	—▫—	—▶—	RIPRAP	▨	▨
HEADWALL	⌒	⌒	PIPE CALL-OUT		200
SUMMIT	‹—›	‹—›	END OF PIPE LOCATION		300
ROADWAY DITCH FLOW	~↗	~↗	PIPE UNDERDRAIN (DOUBLE)		⟹
SWALE	—▸	—▸			
PIPE UNDERDRAIN (SINGLE)	—▪	—▪			



DRAINAGE & UTILITIES IL RTE 178

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, PLANS CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

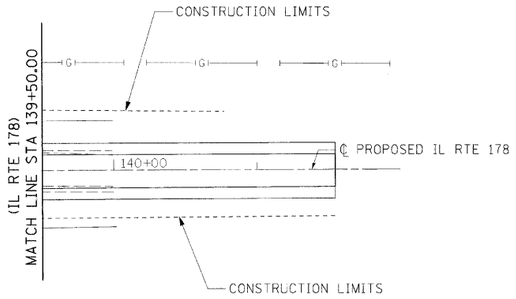
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, PLANS CHECKED, STRUCTURE NO(TATING CHKD, NOTE BOOK, NO., BY, DATE

MODEL NAME = IL RTE 178-4
PLOT DATE = 12/23/2009
FILE NAME = C:\PW_Export\C-8202DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnad2944

LAYOUT	KET	01/12/06
DRAWN	KET	01/12/06
REVIEWED	RYC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	213
STA. 139+50.00		TO STA. 142+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

50 0 50 100
SCALE: 1" = 50'

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION		
LEFT DITCH PROFILE			INLET		
RIGHT DITCH PROFILE			MANHOLE		
SANITARY SEWER			PIPE DRAIN HEADWALL		
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

650 645 640 635 630 625 620 615 610

EXISTING GROUNDLINE PROFILE

621.78

140+00

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: REVISED | PLOTTED | ALIGNMENT CHECKED | RE-MARKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE: REVISED | PLOTTED | GRADES CHECKED | RE-MARKED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

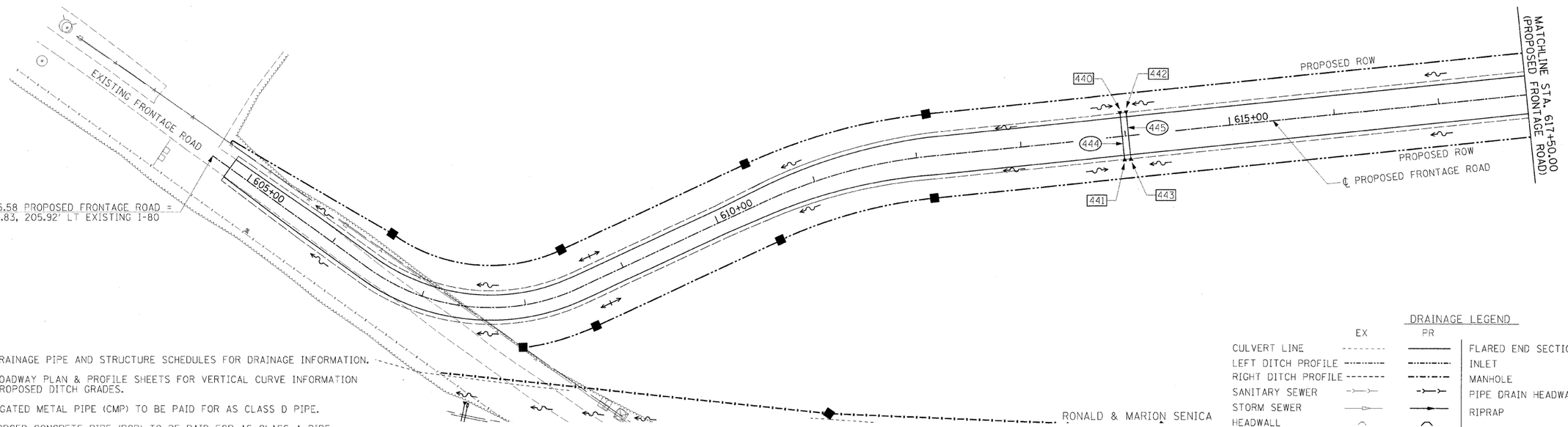
MODEL NAME = IL RTE 178-5
PLOT DATE = 12/23/2009
FILE NAME = C:\PLE\export\C-80\DRN.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsd07944

LAYOUT	KET	08/10/06
DRAWN	KET	08/10/06
REVIEWED	RXC	08/31/06

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	214
STA. 604+25.58		TO STA. 618+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

RONALD & MARION SENICA



NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
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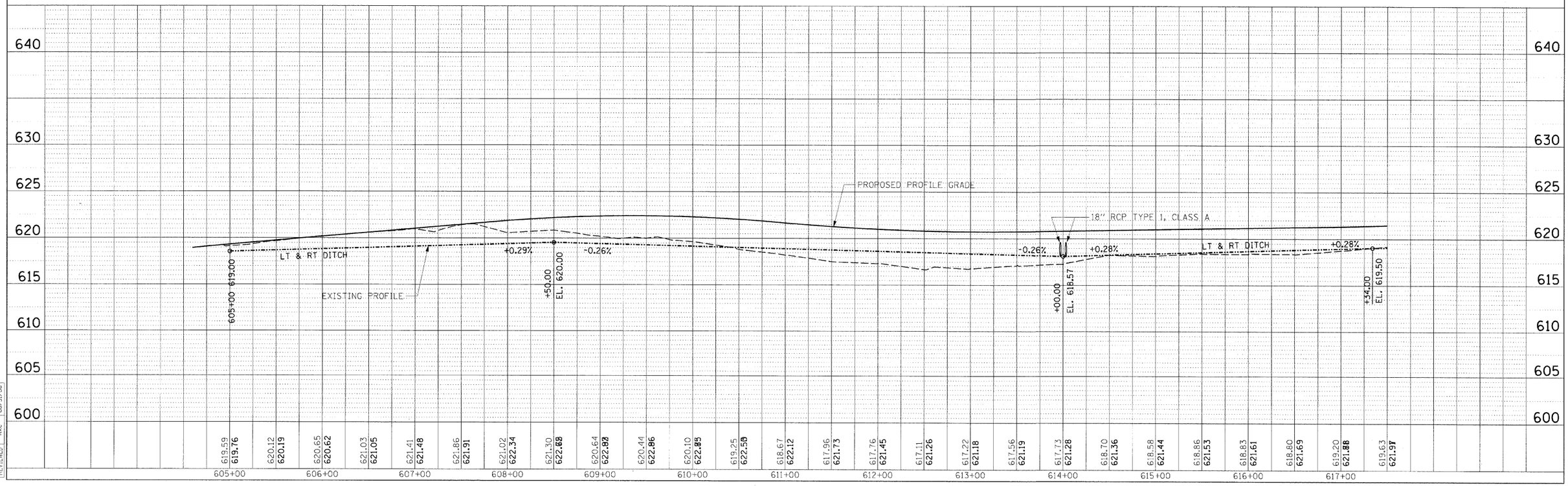
DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE	---------	———	FLARED END SECTION	◁	◀
LEFT DITCH PROFILE	-·-·-·-	-·-·-·-	INLET	▭	▬
RIGHT DITCH PROFILE	-------	-·-·-·-	MANHOLE	⊙	⊙
SANITARY SEWER	-○-○-	-○-○-	PIPE DRAIN HEADWALL		▬
STORM SEWER	——▷——	——▶——	RIPRAP	▨	▨
HEADWALL	⌒	⌒	PIPE CALL-OUT		(200)
SUMMIT	←→	←→	END OF PIPE LOCATION		[300]
ROADWAY DITCH FLOW	~~→	~~→	PIPE UNDERDRAIN (DOUBLE)		═══
SWALE		+			
PIPE UNDERDRAIN (SINGLE)		——			



DRAINAGE & UTILITIES FRONTAGE ROAD

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, NOTE BOOK, NO., CADD FILE NAME, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., STRUCTURE NOTATING CHKD, BY, DATE

LAYOUT, DRAWN, REVIEWED RXC 08/31/06

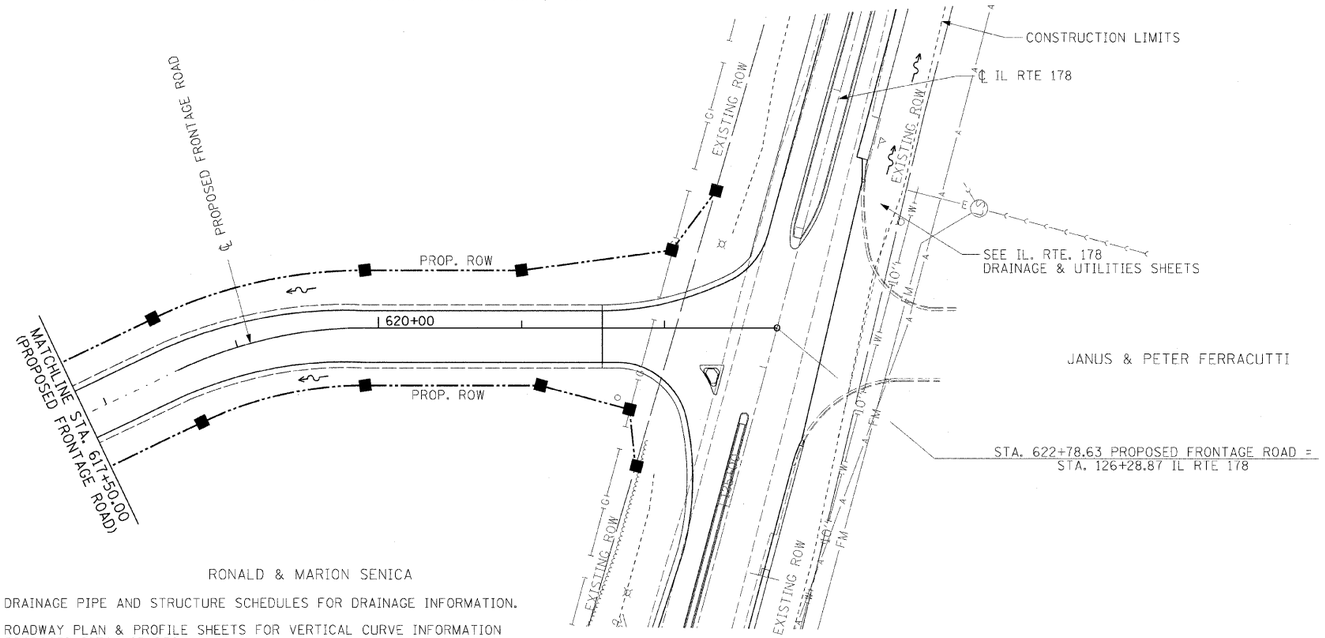
MODEL NAME = FRONTAGE RD-1
PLOT DATE = 12-21-2009
FILE NAME = c:\PW_Export\C-8280Rdgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John280944

HANSON
Hanson Professional Services Inc.
1525 S. 6th Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO. 66542

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	215
STA. 618+00.00		TO STA. 622+78.63		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIONEER HYBRID INTERNATIONAL, INC.



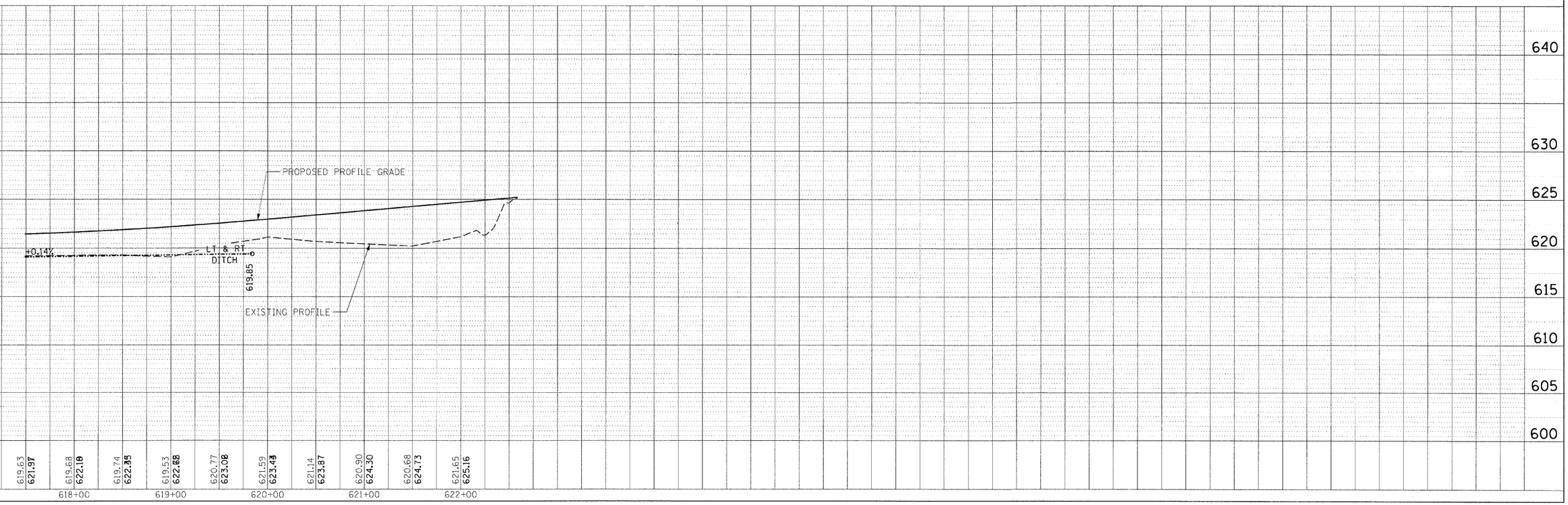
NOTES:

1. SEE DRAINAGE PIPE AND STRUCTURE SCHEDULES FOR DRAINAGE INFORMATION.
2. SEE ROADWAY PLAN & PROFILE SHEETS FOR VERTICAL CURVE INFORMATION AND PROPOSED DITCH GRADES.
3. CORRUGATED METAL PIPE (CMP) TO BE PAID FOR AS CLASS D PIPE.
4. REINFORCED CONCRETE PIPE (RCP) TO BE PAID FOR AS CLASS A PIPE.

DRAINAGE LEGEND

	EX	PR		EX	PR
CULVERT LINE			FLARED END SECTION	◁	◀
LEFT DITCH PROFILE			INLET	▭	▬
RIGHT DITCH PROFILE			MANHOLE	⊙	⊙
SANITARY SEWER			PIPE DRAIN HEADWALL		▬
STORM SEWER			RIPRAP		
HEADWALL			PIPE CALL-OUT		(200)
SUMMIT			END OF PIPE LOCATION		300
ROADWAY DITCH FLOW			PIPE UNDERDRAIN (DOUBLE)		
SWALE					
PIPE UNDERDRAIN (SINGLE)					

50 0 50 100
SCALE: 1" = 50'



DRAINAGE & UTILITIES FRONTAGE ROAD

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PLAN: DRAFTED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, NOTE BOOK, NO., DATE, BY

PROFILE: DRAFTED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., STRUCTURE NO/STATE CHKD, DATE, BY

MODEL NAME = FRONTAGE RD-2
PLOT DATE = 12/21/2009
FILE NAME = G:\PW_Engr-LVC-6802\RNdgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John402544

LAYOUT		
DRAWN		
REVIEWED	RKC	08/31/06

TOTAL

RECORDED AS DOCUMENT NO. 498 215A

SE 1/4, SEC. 32, T. 34 N., R. 2 E. 3RD P.M.

SURVEYOR'S STATEMENT

I, JOHN R. HUSEMAN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.I. 80 (I-80) WAS MADE BY WILLETT HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____

BY _____

JOHN R. HUSEMAN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2452 (EXPIRES NOVEMBER 2008)
WILLETT, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918

REVISED PARCEL 3TM0002- NEW ALIGNMENT & AREAS

DATED: _____

ROBERT K. POUNDSTONE
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2105

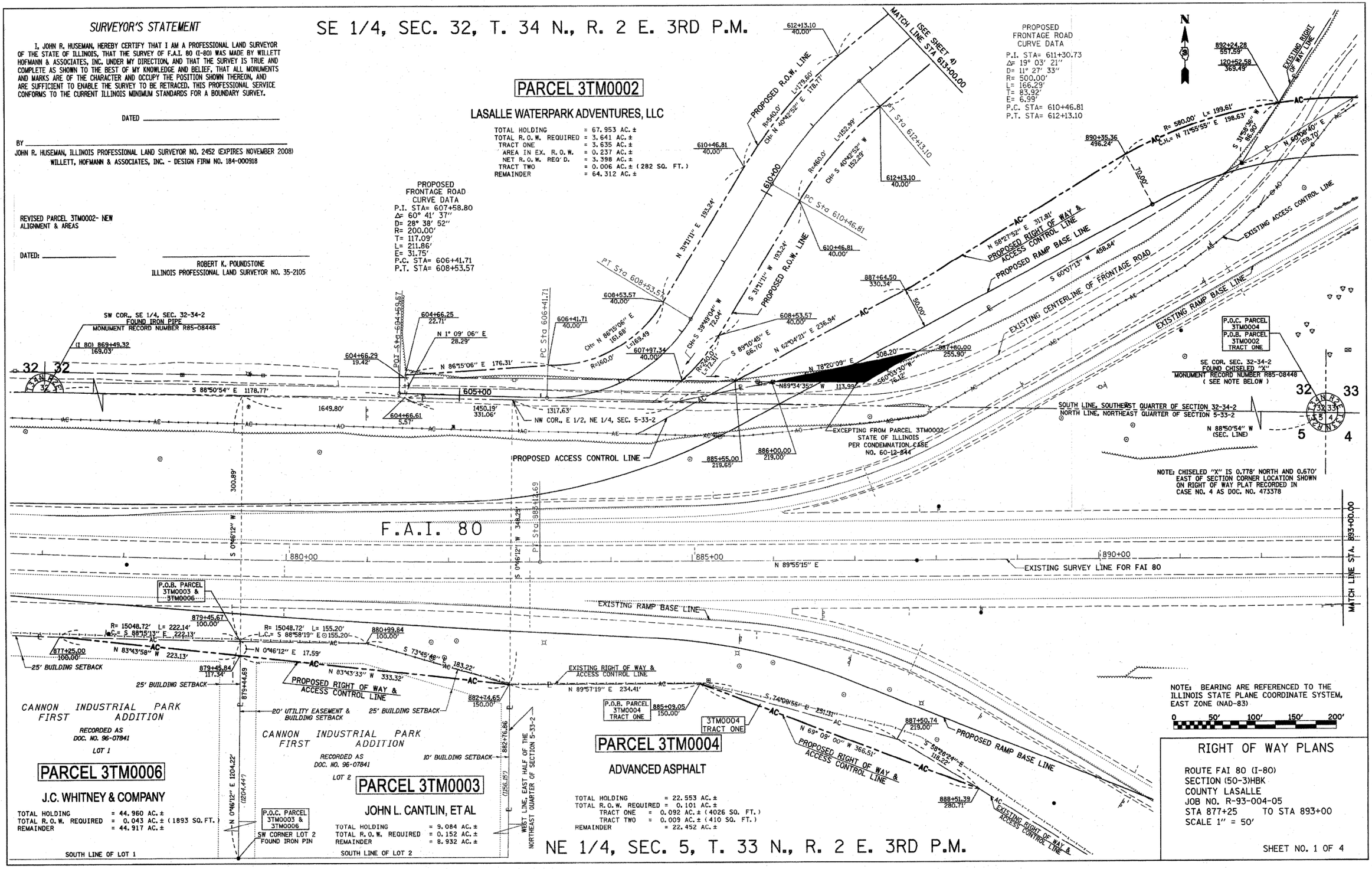
PARCEL 3TM0002

LASALLE WATERPARK ADVENTURES, LLC

TOTAL HOLDING	= 67.953 AC.±
TOTAL R.O.W. REQUIRED	= 3.641 AC.±
TRACT ONE	= 3.635 AC.±
AREA IN EX. R.O.W.	= 0.237 AC.±
NET R.O.W. REQ'D.	= 3.398 AC.±
TRACT TWO	= 0.006 AC.± (282 SQ. FT.)
REMAINDER	= 64.312 AC.±

PROPOSED FRONTAGE ROAD CURVE DATA
P.I. STA= 607+58.80
Δ= 60° 41' 37"
D= 28° 38' 52"
R= 200.00'
T= 117.09'
L= 211.86'
E= 31.75'
P.C. STA= 606+41.71
P.T. STA= 608+53.57

PROPOSED FRONTAGE ROAD CURVE DATA
P.I. STA= 611+30.73
Δ= 19° 03' 21"
D= 11° 27' 33"
R= 500.00'
L= 166.29'
T= 83.92'
E= 6.99'
P.C. STA= 610+46.81
P.T. STA= 612+13.10



RIGHT OF WAY PLANS

ROUTE FAI 80 (I-80)
SECTION (50-3)HBK
COUNTY LASALLE
JOB NO. R-93-004-05
STA 877+25 TO STA 893+00
SCALE 1" = 50'

SHEET NO. 1 OF 4

W:\119686 (IL RTE 178 D-3)\8231\PLATS.dgn oakcustomers by C.B. drawn by B.F.

TOTAL 492 215B

RECORDED AS DOCUMENT NO. _____

SW 1/4, SEC. 33, T. 34 N., R. 2 E. 3RD P.M.

MATCH LINE STA. 121+00.00

PROPOSED A/C LINE

120+59.58
75.00'

AC @ AC

NC

NC

70.00'

PROPOSED RAMP BASE LINE

120+00

COUNTY HIGHWAY 43

S 0°26'55" W 876.81'

AC

AC

PROPOSED RAMP BASE LINE

EXISTING RIGHT OF WAY & ACCESS CONTROL LINE

AC

PT NO.	NORTHING	EASTING
45021	1712648.387	799323.646
45022	1712745.870	799635.825
45045	1712727.980	799578.535

P.O.B. PARCEL 3TM0002 TRACT ONE
P.O.C. PARCELS 3TM0004, 3TM0005 & 3TM0007

116+70.10
8.45'

SE COR. SEC. 32-34-2
FOUND CHISELED "X"
MONUMENT RECORD NUMBER R85-08448
(SEE NOTE BELOW)

32 33

N 88°50'54" W 1450.19'

NOTE: CHISELED "X" IS 0.778' NORTH AND 0.670' EAST OF SECTION CORNER LOCATION SHOWN ON RIGHT OF WAY PLAT RECORDED IN CASE NO. 4 AS DOC. NO. 473378

5 4

NW COR. SEC. 4-33-2

NORTH LINE, NORTHWEST QUARTER OF SECTION 4-33-2

S 88° 24' 51" E 848.63'

S 88° 24' 51" E 1101.15'

NE COR. SEC. 4-33-2
FOUND CHISELED "X"
AS SHOWN ON MONUMENT
RECORD NUMBER R90-08291

33 34

4 3

EXISTING RAMP BASE LINE

MATCH LINE STA. 893+00.00

F.A.I. 80

895+00

900+00

905+00

N 89°55'15" E

EXISTING SURVEY LINE FOR FAI 80

S 1°35'09" W 392.52'

S 1°35'09" W 298.18'

EXISTING SURVEY LINE FOR ILLINOIS 178

IL RTE 178

MATCH LINE STA. 112+00.00

PARCEL 3TM0005

DEE J. BENNETT, ET AL

TOTAL HOLDING = 81.845 AC.±
TOTAL R.O.W. REQUIRED = 0.132 AC.±
TRACT ONE = 0.065 AC.± (2820 SQ. FT.)
TRACT TWO = 0.067 AC.± (2917 SQ. FT.)
REMAINDER = 81.713 AC.±

PARCEL 3TM0007

INDUSTRIAL DEVELOPMENTS INTERNATIONAL, INC.

TOTAL HOLDING = 83.979 AC.±
TOTAL R.O.W. REQUIRED = 0.007 AC.± (316 SQ. FT.)
REMAINDER = 83.972 AC.±

P.O.B. PARCEL 3TM0007
906+88.96
159.71'

907+27.14
150.00'

N 75°06'55" E 39.49'

N 89°55'15" E 18.97'

907+46.11
150.00'
45022

S72°39'30"W
60.02'

906+88.80
167.43'
45045

EXISTING RIGHT OF WAY & ACCESS CONTROL LINE

3TM0005 TRACT ONE

905+00.14
209.00'

N 75°06'55" E 195.31'

S 1°06'38" W 1.72'

S 1°06'38" W 267.03'

N 60°44'11" E
19.38'

AC

S 72°39'30" W

PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE

EXISTING RAMP BASE LINE

PROPOSED RAMP BASE LINE

AC

45021

904+33.80
246.68'

P.O.B. PARCEL 3TM0005 TRACT ONE

WEST LINE OF THE PREMISES CONVEYED FROM DEE J. BENNETT AND BONNIE BENNETT f/k/a BONNIE GRISK TO CLARK RUN LLC BY WARRANTY DEED RECORDED NOVEMBER 28, 2006 AS DOC. NO. 2006-29893

NOTE: FOR THE PURPOSES OF THIS PLAT, BEARINGS ARE BASED UPON AN ASSUMED NORTH.

0 50' 100' 150' 200'

SURVEYOR'S STATEMENT

I, JOHN R. HUSEMAN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.I. 80 (I-80) WAS MADE BY WILLETT HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JOHN R. HUSEMAN 35-2452 ILLINOIS PROFESSIONAL LAND SURVEYOR DIXON ILLINOIS

DATED 8 JANUARY 2008

BY _____

JOHN R. HUSEMAN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2452 (EXPIRES NOVEMBER 2008)
WILLETT, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918

NW 1/4, SEC. 4, T. 33 N., R. 2 E. 3RD P.M.

RIGHT OF WAY STAKING PLAN

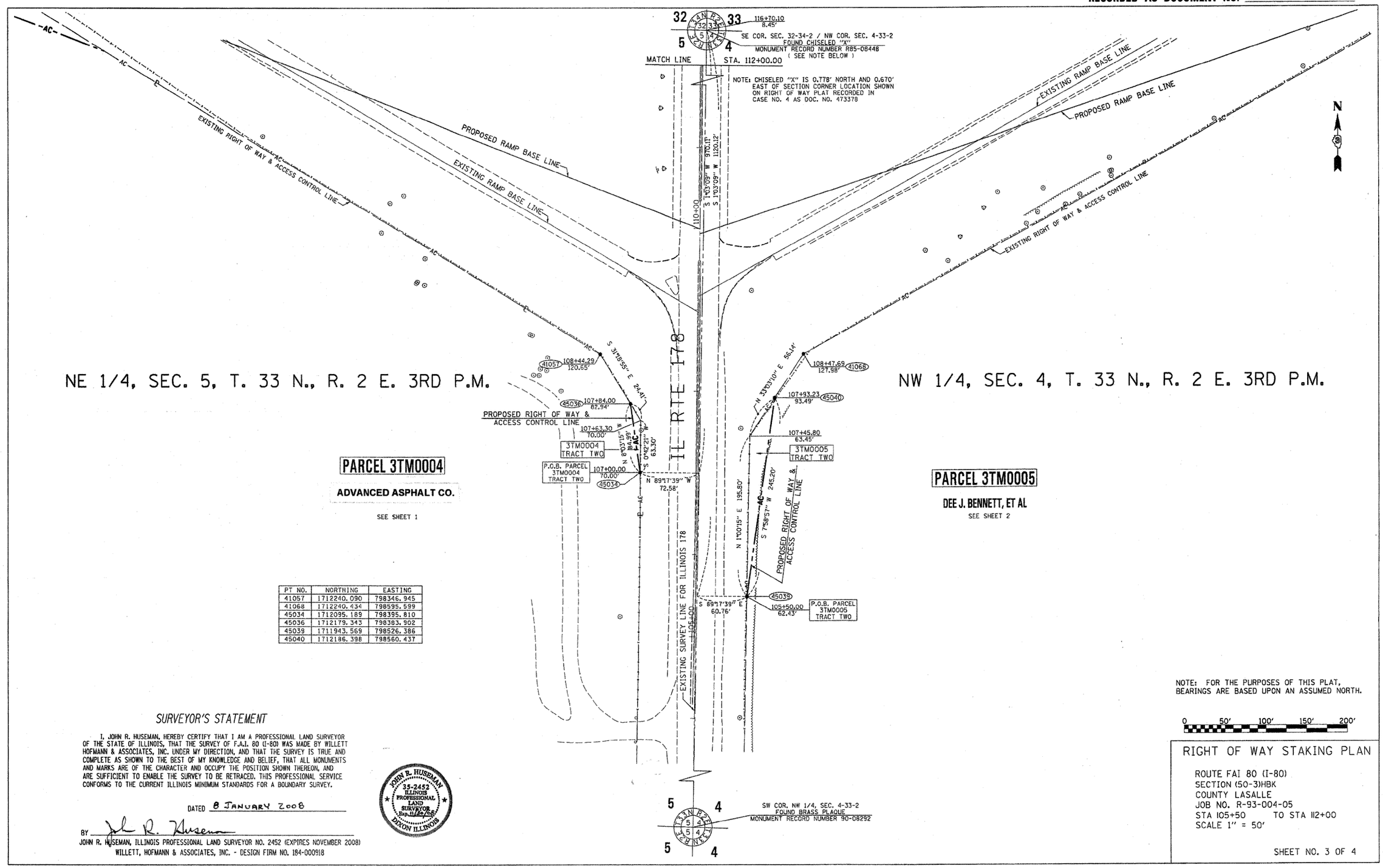
ROUTE FAI 80 (I-80)
SECTION (50-3)HBK
COUNTY LASALLE
JOB NO. R-93-004-05
STA 893+00 TO STA 907+50
SCALE 1" = 50'

SHEET NO. 2 OF 4

N:\11\1580 IL RTE 178 0-31\823\STAKING.dgn calculations by C.B. drawn by B.F.

TOTAL 492 215C

RECORDED AS DOCUMENT NO. _____



PARCEL 3TM0004

ADVANCED ASPHALT CO.

SEE SHEET 1

PARCEL 3TM0005

DEE J. BENNETT, ET AL

SEE SHEET 2

PT NO.	NORTHING	EASTING
41057	1712240.090	798346.945
41068	1712240.434	798595.599
45034	1712095.189	798395.810
45036	1712179.343	798383.902
45039	1711943.569	798526.386
45040	1712186.398	798560.437

NOTE: FOR THE PURPOSES OF THIS PLAT, BEARINGS ARE BASED UPON AN ASSUMED NORTH.

0 50' 100' 150' 200'

SURVEYOR'S STATEMENT

I, JOHN R. HUSEMAN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.I. 80 (I-80) WAS MADE BY WILLETT HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED 8 JANUARY 2008

BY _____

JOHN R. HUSEMAN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2452 (EXPIRES NOVEMBER 2008)
WILLETT, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918

JOHN R. HUSEMAN 35-2452 ILLINOIS PROFESSIONAL LAND SURVEYOR DIXON ILLINOIS

RIGHT OF WAY STAKING PLAN

ROUTE FAI 80 (I-80)
SECTION (50-3)HBK
COUNTY LASALLE
JOB NO. R-93-004-05
STA 105+50 TO STA 112+00
SCALE 1" = 50'

SHEET NO. 3 OF 4

V:\11958S IL RTE 178 D-3\823175TAKING.dgn calculations by C.B. drawn by B.F.

RECORDED AS DOCUMENT NO. TOTAL 492 215D

SE 1/4, SEC. 32, T. 34 N., R. 2 E. 3RD P.M.

N

(SEE SHEET 1) MATCH LINE STA. 613+00.00

PROPOSED RIGHT OF WAY LINE

PROPOSED CENTERLINE OF FRONTAGE ROAD

615+00

N 50°14'32" E 641.87'

S 50°14'32" W 641.87'

SOUTH LINE OF THE PREMISES CONVEYED TO PIONEER HI-BRED INTERNATIONAL, INC. FROM RONALD F. SENICA AND MARLOW A. SENICA AS TRUSTEES OF THE RONALD F. SENICA AND MARLOW A. SENICA AS TRUSTEE UNDER TRUST AGREEMENT NO. 1 BY WARRANTY DEED RECORDED OCTOBER 16, 1985 AS DOC. NO. 85-08789

PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE

PARCEL 3TM0002

LASALLE WATERPARK ADVENTURES, LLC

SEE SHEET 1

PROPOSED RIGHT OF WAY LINE

618+54.97 40.00'

125+47.31

CH= N 53°51'40" E 43.56'

R=345.00' L=43.59'

618+93.51 40.00'

892+24.28 557.59'

120+52.58 369.49'

S 31° 58' 36" W 86.90'

R=265.00'

PC Sta 618+54.97

CH= S 62°58'27" E 116.81'

239.06'

CH= N 66°55'36" W 109.27'

R=345.00' L=109.72'

619+90.52 40.00'

END ACCESS CONTROL- STA 619 + 00

N 89°17'39" W 155.70'

R=560.00' L=90.24'

N 31°58'36" E 201.81'

EXISTING RIGHT OF WAY LINE

70.00'

122+25.00 265.00'

619+90.52 40.00'

PT Sta 619+90.52

S 89°05'25" E 318.58'

600.00'

620+00

N 75° 42' 21" E 109.48'

103.59'

621+00.00 40.00'

PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE

621+13.32 40.00'

621+75.39 56.87'

S 89°05'25" E 15.20'

N 20°17'43" W 39.87'

621+79.56 96.52'

N 89°05'25" W 64.32'

N 89°05'25" W 61.80'

74.31'

622+05.10 54.00'

EXISTING ACCESS CONTROL ENDS STA. 126+50.06 PER DOC. NO. 459067, LASALLE CO. RECORDER'S OFFICE

N 22° 29' 21" E 51.69'

622+36.06 95.40'

EXISTING RIGHT OF WAY LINE

N 68° 07' 06" E

3TM0002 TRACT TWO

P.O.B. PARCEL 3TM0001 & 3TM0002 - TRACT TWO

123+35.00 75.00'

S 2°06'34" W 114.75'

N 0°33'20" E 292.82'

S 2°06'34" W 37.17'

S 2° 06' 34" W 162.88'

621+90.06 60.85'

105° 00' 00"

622+78.63 (FRONTAGE ROAD)= 126+28.87 (CH 43)

N 2° 06' 34" E 569.50'

N 2° 06' 34" E 732.38'

COUNTY HIGHWAY 43 CENTERLINE

N 0° 42' 21" E

S 0° 26' 55" W 876.81'

120+00

125+00

130+00

S 0° 26' 55" W 1099.88'

S 0° 26' 55" W 1758.61'

N 0° 23' 41" E

PROPOSED A/C LINE

EXISTING CENTERLINE OF FRONTAGE ROAD

N 66°58'44" E 219.25'

PROPOSED RAMP BASE LINE

S 89°17'39" E 195.39'

N 89°17'39" W 2.48'

PER CONDEMNATION CASE NO. 60-12-944 STATE OF ILLINOIS

S 60°06'40" W 182.40'

S 32°41'05" W 79.91'

EXISTING ACCESS CONTROL LINE

N 32°41'05" E 40.20'

70.00'

120+59.58 75.00'

N 2°06'34" E 160.67'

116+70.10 8.45'

MATCH LINE

SE COR. SEC. 32-34-2 FOUND CHISELED "X" MONUMENT RECORD NUMBER R85-08448 (SEE NOTE BELOW)

P.O.B. PARCEL 3TM0002 TRACT ONE

NOTE: CHISELED "X" IS 0.778' NORTH AND 0.670' EAST OF SECTION CORNER LOCATION SHOWN ON RIGHT OF WAY PLAT RECORDED IN CASE NO. 4 AS DOC. NO. 473378

EXISTING RIGHT OF WAY LINE

TEMPORARY EASEMENT LINE

133+00.00 50.00'

N 0° 23' 41" E 53.00'

132+79.55 62.24'

N 89° 36' 19" W 11.65'

133+32.55 62.29'

S 89° 36' 19" E 12.29'

P.O.B. PARCEL 3TM0001 T.E.

132+79.57 50.59'

133+32.57 50.00'

S 2° 06' 34" W 20.45'

S 0° 26' 43" W 32.56'

FND. R.O.W. MARKER 136+48.68 50.24'

136+47.63 50.02'

136+47.18

NE COR., SE 1/4, SEC. 32-34-2 FOUND SURVEY NAIL MONUMENT RECORD NUMBER R85-08448

PROPOSED FRONTAGE ROAD CURVE DATA

P.I. STA= 619+23.88
Δ= 25° 27' 49"
D= 18° 47' 08"
R= 305.00'
T= 68.91'
L= 135.55'
E= 7.69'
P.C. STA= 618+54.97
P.T. STA= 619+90.52
CH. BEARING = N 62°58'27" E

BUILDING

PARCEL 3TM0001

PIONEER HI-BRED INTERNATIONAL, INC.

TOTAL HOLDING = 24.998 AC.±
TOTAL R.O.W. REQUIRED = 0.468 AC.±
REMAINDER = 24.530 AC.±
TEMPORARY EASEMENT = 0.015 AC.±

PURPOSE: DRIVEWAY CONSTRUCTION & GRADING

NOTE: BEARING ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD-83)

0 50' 100' 150' 200'

SURVEYOR'S STATEMENT

I, JOHN R. HUSEMAN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.I. 80 (I-80) WAS MADE BY WILLETT HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____

BY _____

JOHN R. HUSEMAN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2452 (EXPIRES NOVEMBER 2008)
WILLETT, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918

REVISED PARCEL 3TM0002- NEW ALIGNMENT & AREAS

DATED: _____

_____
ROBERT K. POUNDSTONE
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2105

SW 1/4, SEC. 33, T. 34 N., R. 2 E. 3RD P.M.

RIGHT OF WAY PLANS

ROUTE FAI 80 (I-80)
SECTION (50-3)HBK
COUNTY LASALLE
JOB NO. R-93-004-05
STA 121+00 TO STA 136+50
SCALE 1" = 50'

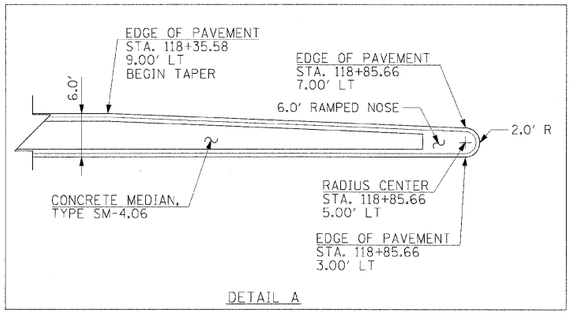
SHEET NO. 4 OF 4

V:/115985 IL RTE 178 D-3/R2317PLATS.dgn calculations by C.B. drawn by B.F.

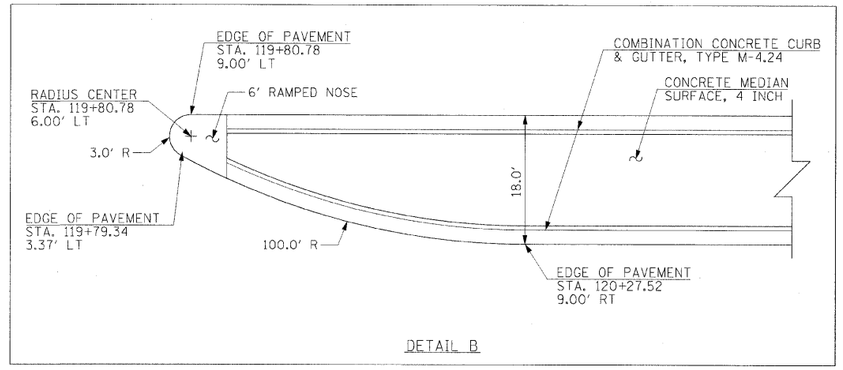
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

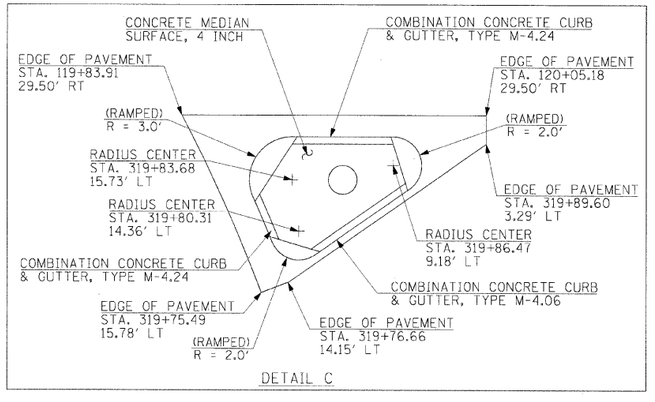
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	216
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DETAIL A



DETAIL B



DETAIL C

20 0 20 40
SCALE: 1" = 20'

NOTE:
SEE SIGNING PLANS FOR LOCATIONS
OF BLOCK-OUTS IN MEDIAN AND ISLAND
SURFACES REQUIRED FOR SIGN MOUNTING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED RAMP I & J INTERSECTION DETAIL

SCALE: VERT.
HORIZ. 1" = 20'
DATE

DRAWN BY MEW
CHECKED BY

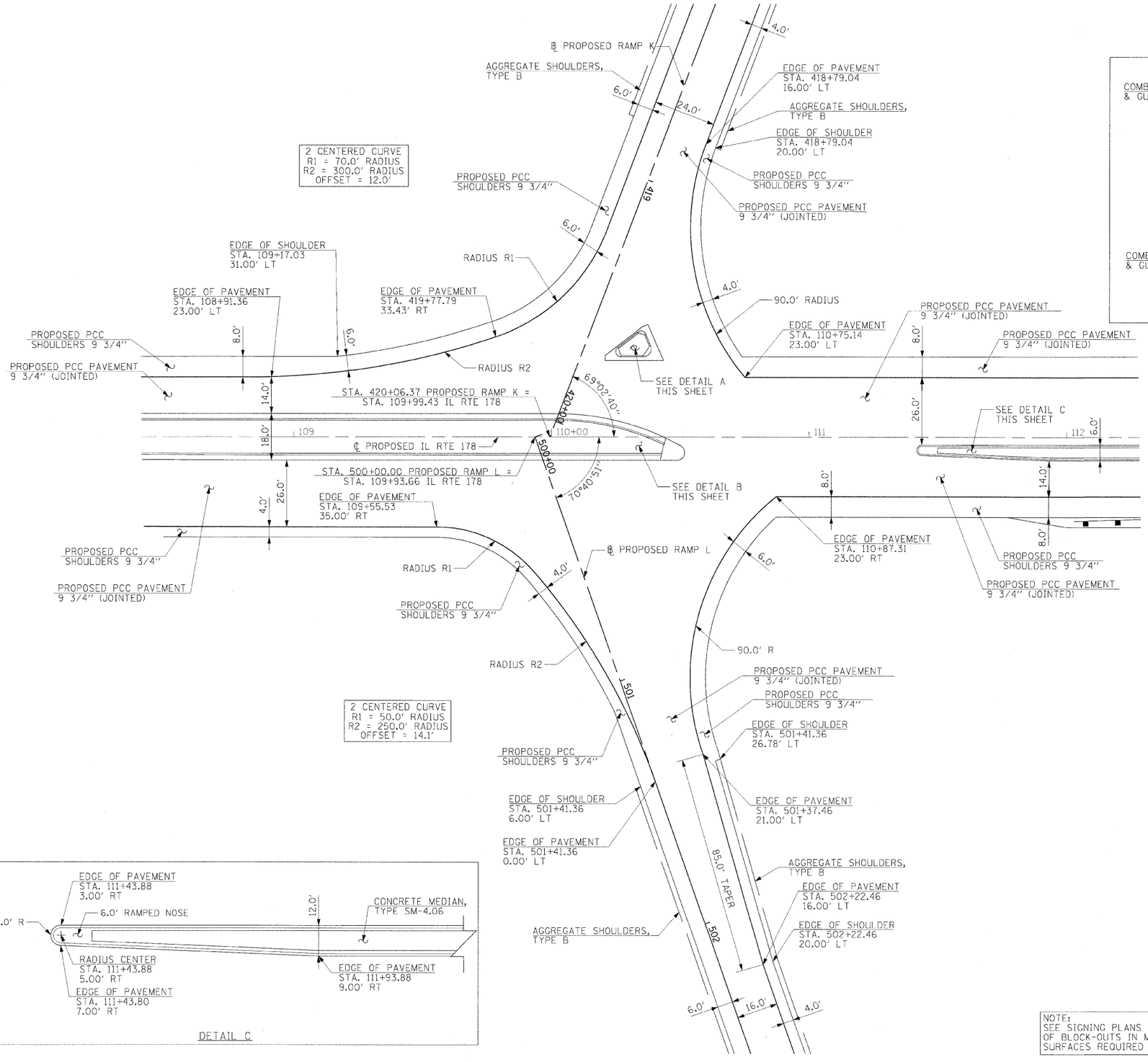
LAYOUT	MEW	12/06/06
DRAWN	MEW	12/05/06
REVIEWED	MKW	10/17/07

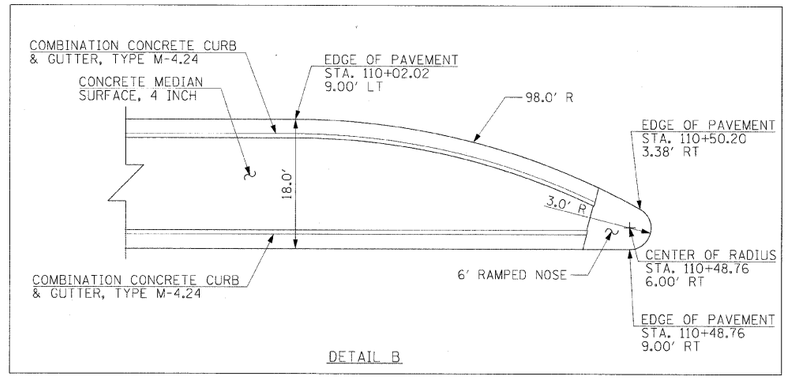
MODEL NAME = Lynd J Ins
PLOT DATE = 12/21/2007
FILE NAME = C:\Pw_Export\C-51RINT.dgn
PLOT SCALE = 20.0000 '/ in.
USER NAME = Johnsd09544

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

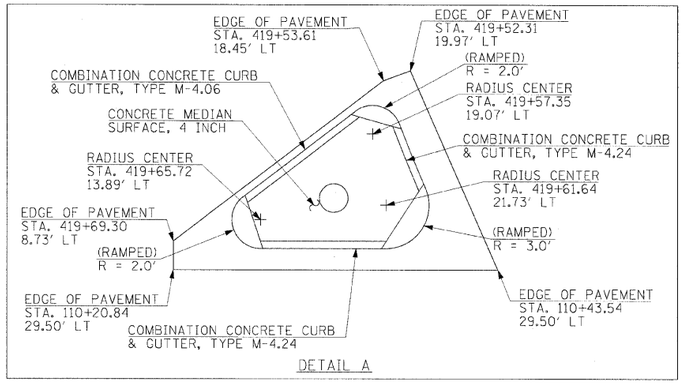
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	217
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





DETAIL B



DETAIL A

DETAIL C

20 0 20 40
SCALE: 1" = 20'

NOTE:
SEE SIGNING PLANS FOR LOCATIONS OF BLOCK-OUTS IN MEDIAN AND ISLAND SURFACES REQUIRED FOR SIGN MOUNTING.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED RAMP K & L INTERSECTION DETAIL

SCALE: VERT.
HORIZ. 1" = 20'
DATE

DRAWN BY MEW
CHECKED BY

LAYOUT	MEW	12/05/06
DRAWN	MEW	12/05/06
REVIEWED	MTM	10/1/07

MODEL NAME = K and L Int
PLOT DATE = 12-23-2009
FILE NAME = C:\Projects\LC-5181INT.dgn
PLOT SCALE = 20.0000 '/ in.
USER NAME = Jonna00944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	218
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

621+56.37, 212.00' LT
128+02.02, 172.90' LT

℄ PROPOSED FRONTAGE ROAD

621

4'WIDE PROPOSED AGGREGATE SHOULDER TY B 6"

4' WIDE PROPOSED AGGREGATE SHOULDER TY B 6"

HMA SURFACE CSE, MIX C N70 (1 1/2")
HMA BINDER CSE , IL-19.0, N70 (2 1/4")
ON 8" AGGREGATE BASE CSE TY B

621+56.37
12.00' LT

HMA PAVT
PCC PAVT

4' WIDE PROPOSED PCC SHOULDER 9 3/4"

2 CENTERED CURVE
R1 = 50.0' RADIUS
R2 = 200.0' RADIUS
OFFSET = 16.1'

619+79.70, 94.69' RT
124+60.78, 260.94' LT

621+66.55
74.00' RT

50' R

621+66.55
24.00' RT

200' R

2 CENTERED CURVE
R1 = 50.0' RADIUS
R2 = 200.0' RADIUS
OFFSET = 16.1'

622

4.0'

STA. 126+90.17
73.00' LT

126+71.55, 30.88' LT

50' R

4' WIDE PROPOSED PCC SHOULDER 9 3/4"

PROPOSED PCC PAVEMENT 9 3/4" (JOINTED)

STA. 124+60.85
23.00' LT

STA. 126+90.17, 23.00' LT

PROPOSED PCC SHOULDER 9 3/4"

COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.24

125+50.92
44.46' LT

SEE DETAIL C THIS SHEET

622+46.51
33.47'LT

8.0'

127+28.87
23.00

127+04.61, 9.00 LT

CONCRETE MEDIAN SURFACE, 4 INCH

14.0'

75°00'00"

124 | 125+00 | 126 | 127 | 128

℄ PROPOSED IL RTE 178

CONCRETE MEDIAN, TYPE SM-4.06

3.0'

6.0'

38.0'

SEE DETAIL A THIS SHEET & MEDIAN DETAIL SHEET

SEE DETAIL B THIS SHEET & MEDIAN DETAIL SHEET

127+28.87
9.00' RT

14.0'

8.0'

PROPOSED PCC PAVEMENT 9 3/4" (JOINTED)

PROPOSED PCC SHOULDERS 9 3/4"

4.0'

CURB TRANSITION

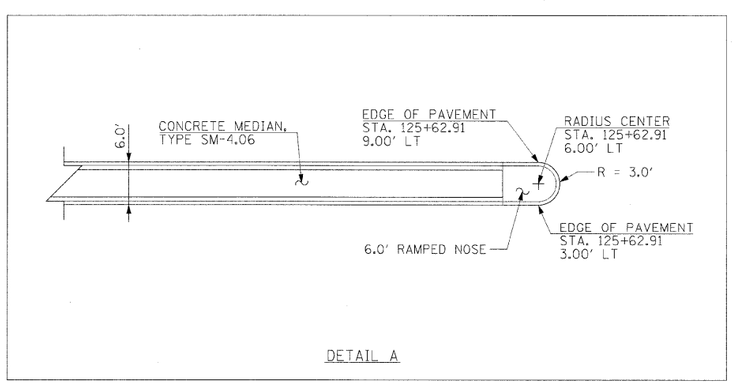
CURB TRANSITION

PROPOSED PCC SHOULDERS 9 3/4"

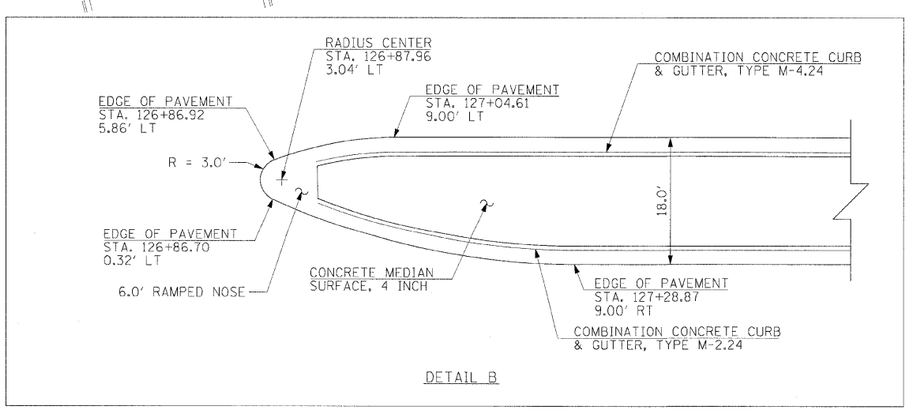
STA. 622+78.63 PROPOSED FRONTAGE ROAD =
STA. 126+28.87 IL RTE 178

622+24.78, 28.00' RT
RAMPED R=2.0'
622+24.78, 26.00' RT
C&G TY M-4.06
CONCRETE MEDIAN SURFACE, 4 INCH
R CTR 125+87.67, 34.00' LT
R CTR 622+29.41, 30.00' LT
C&G TY M-4.24
R CTR 125+87.16, 39.77' LT
RAMPED R=3.0'
125+72.88, 31.00' LT
125+94.58, 29.00' LT
125+72.88, 29.00' LT
C&G TY M-4.24
RAMPED R=2.0'

DETAIL C



DETAIL A



DETAIL B

20 0 20 40
SCALE: 1" = 20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED FRONTAGE ROAD INTERSECTION DETAIL

SCALE: VERT.
HORIZ. 1" = 50'
DATE

DRAWN BY MEW
CHECKED BY

LAYOUT	MEW	12/05/06
DRAWN	MEW	12/05/06
REVIEWED	MTM	10/17/07

MODEL NAME = Frontage Rd Int
PLOT DATE = 12/5/2006
FILE NAME = C:\Pw_Export\IC-51610INT.dgn
PLOT SCALE = 20.0000 '/ in.
USER NAME = Johnsd8944

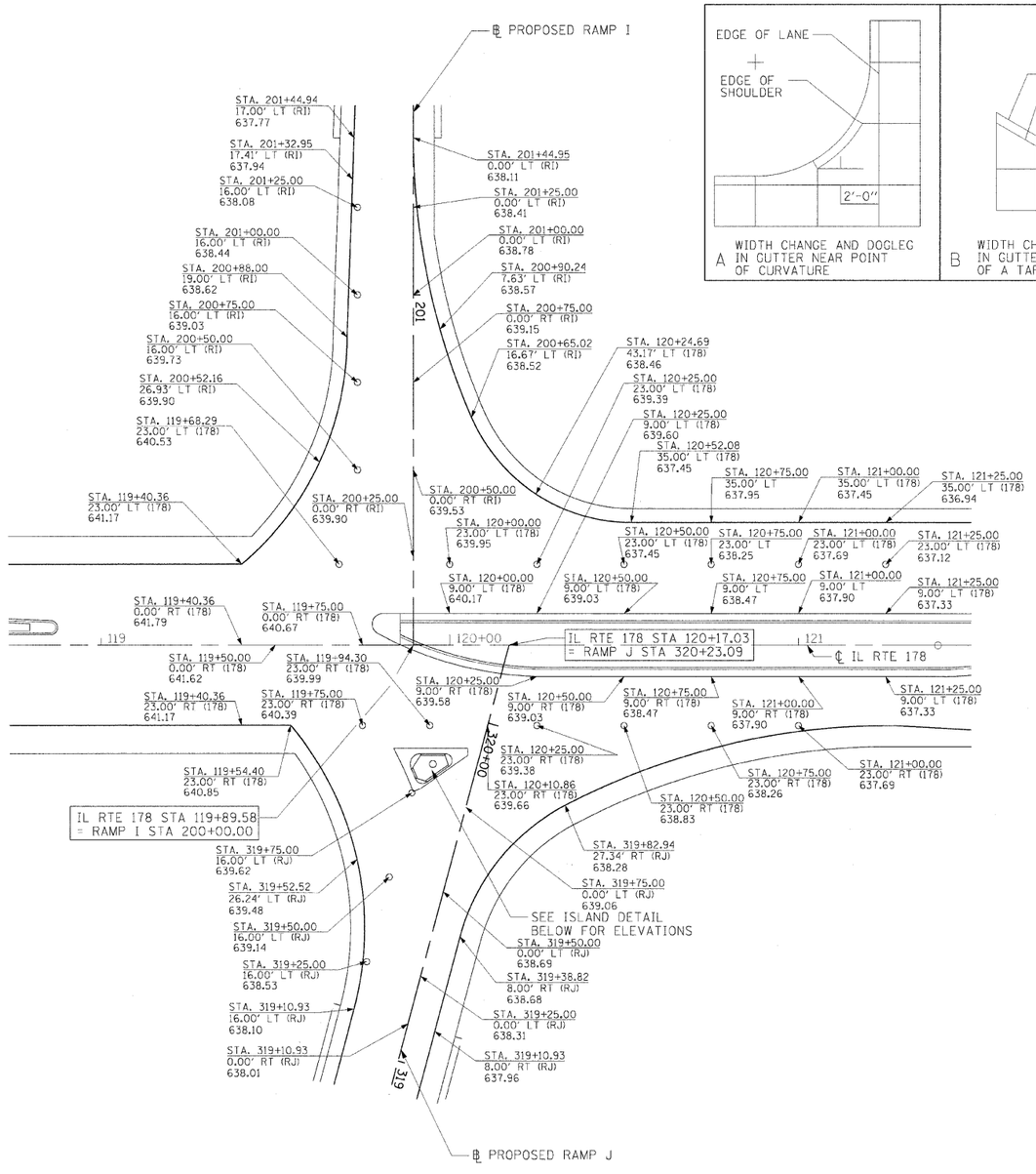
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	219
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = Layout 1
PLOT DATE = 12/21/2009
FILE NAME = C:\PW_Export\VC-5111NT.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = John-a09144

LAYOUT	RSJ	01/05/06
DRAWN	RSJ	01/05/06
REVIEWED	MTM	10/1/07



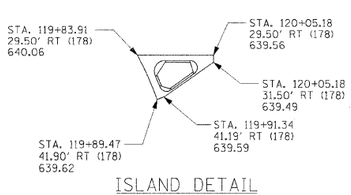
INTERSECTION ELEVATION DETAIL
RAMPS I & J/IL RTE 178

LEGEND

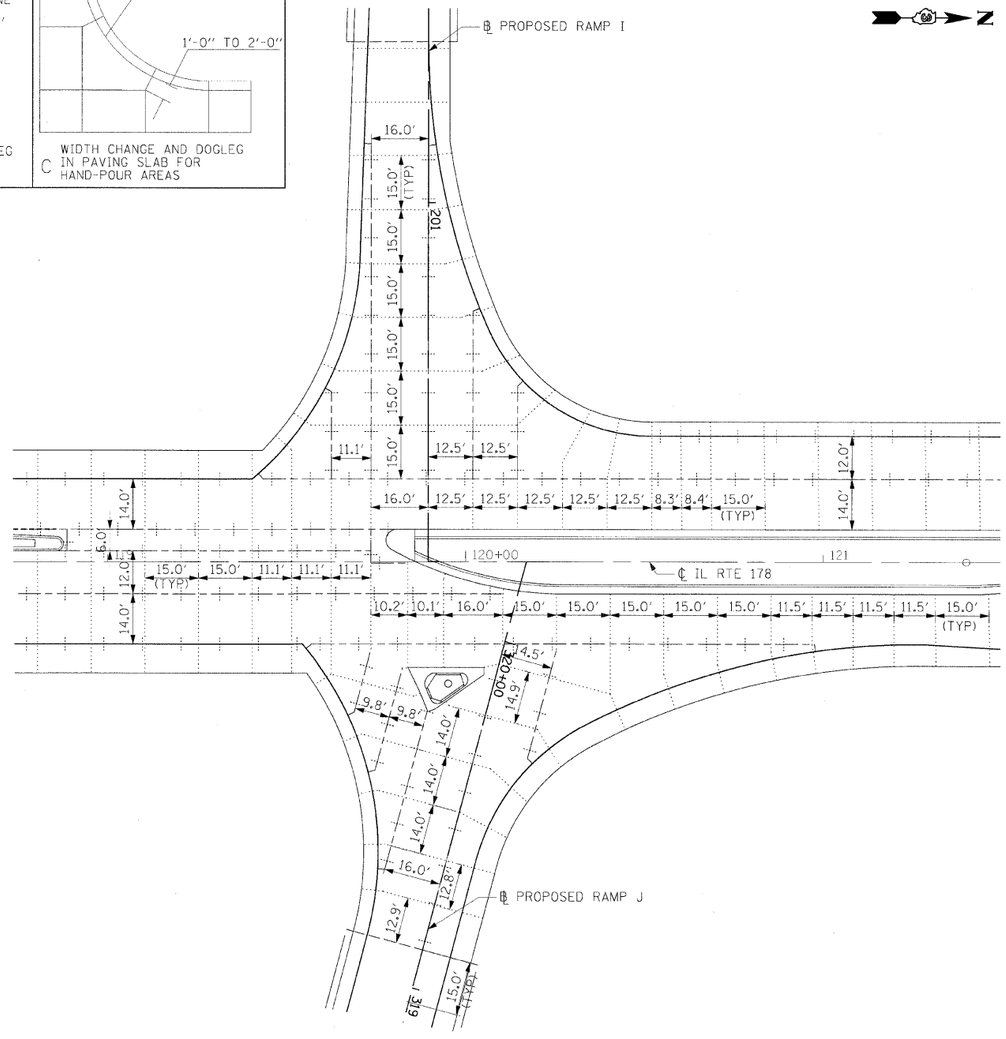
(178) = IL. RTE. 178
(RI) = RAMP I
(RJ) = RAMP J

STATION
OFFSET (BASELINE)
ELEVATION

NOTE:
SEE PROPOSED RAMP I & J INTERSECTION DETAIL FOR ISLAND GEOMETRY.



ISLAND DETAIL



INTERSECTION JOINTING DETAIL
RAMPS I & J/IL RTE 178

LEGEND

SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT

DOWELED TRANSVERSE CONTRACTION JOINT

EXPANSION JOINT

20 0 20 40
SCALE: 1" = 20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION JOINTING & ELEVATION DETAIL PROPOSED RAMP I & J AND IL RTE 178

SCALE: VERT.
HORIZ. 1" = 20'
DATE

DRAWN BY RDJ
CHECKED BY

CONTRACT NO 66542

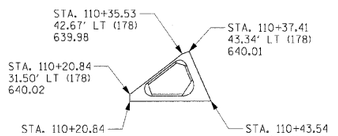
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	220
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

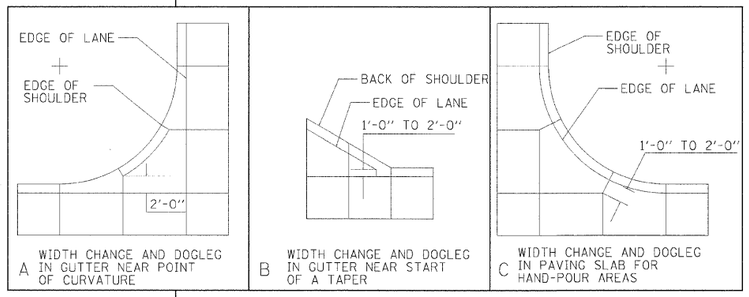
LAYOUT	RSJ	01/05/06
DRAWN	RSJ	01/05/06
REVIEWED	MTM	10/7/07

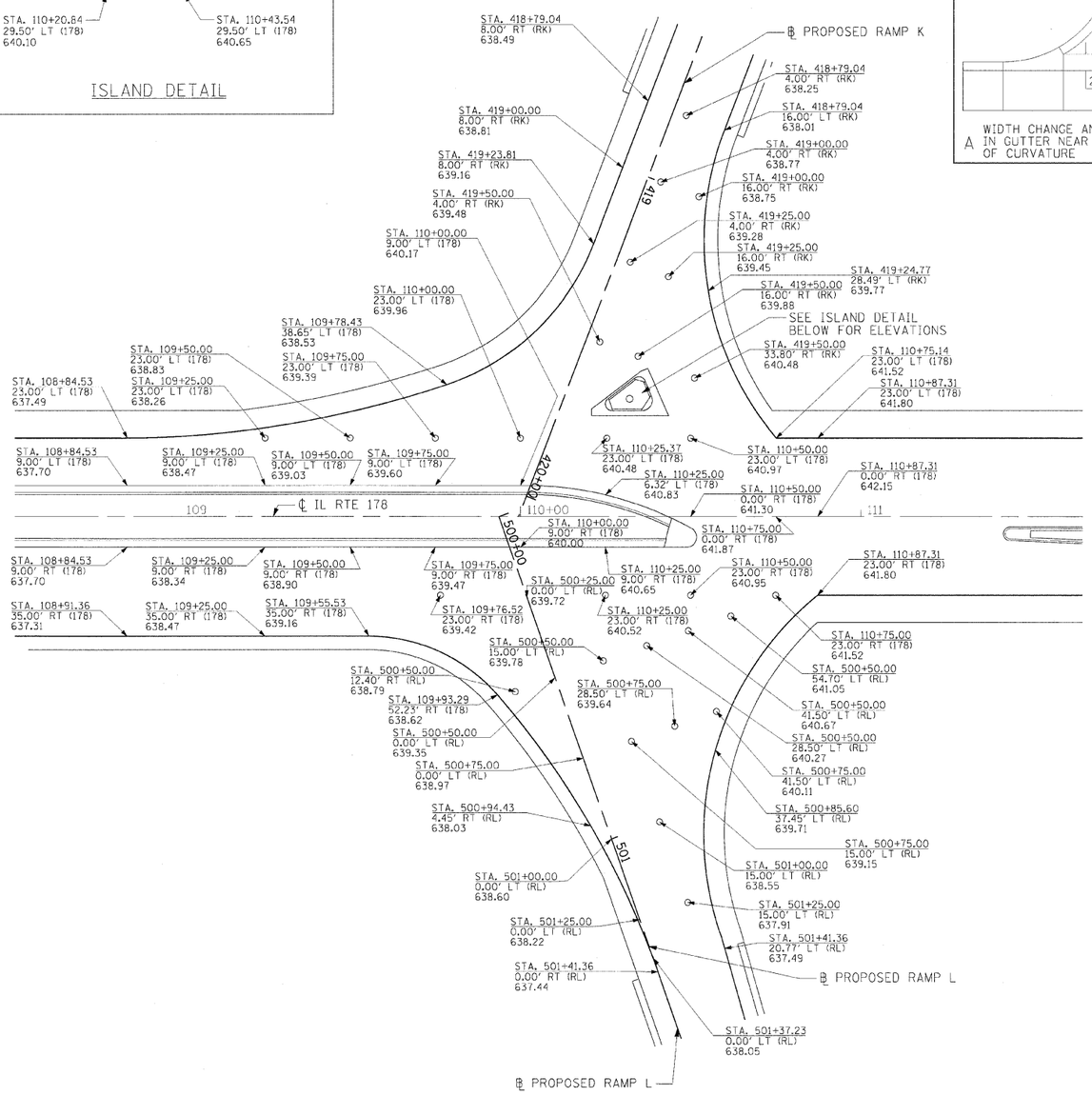
MODEL NAME = K and L
PLOT DATE = 12/20/2007
FILE NAME = C:\Pw_Exports\C-511INT.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = JohnsaBP414

NOTE:
SEE PROPOSED RAMP I & J INTERSECTION DETAIL FOR ISLAND GEOMETRY.



ISLAND DETAIL



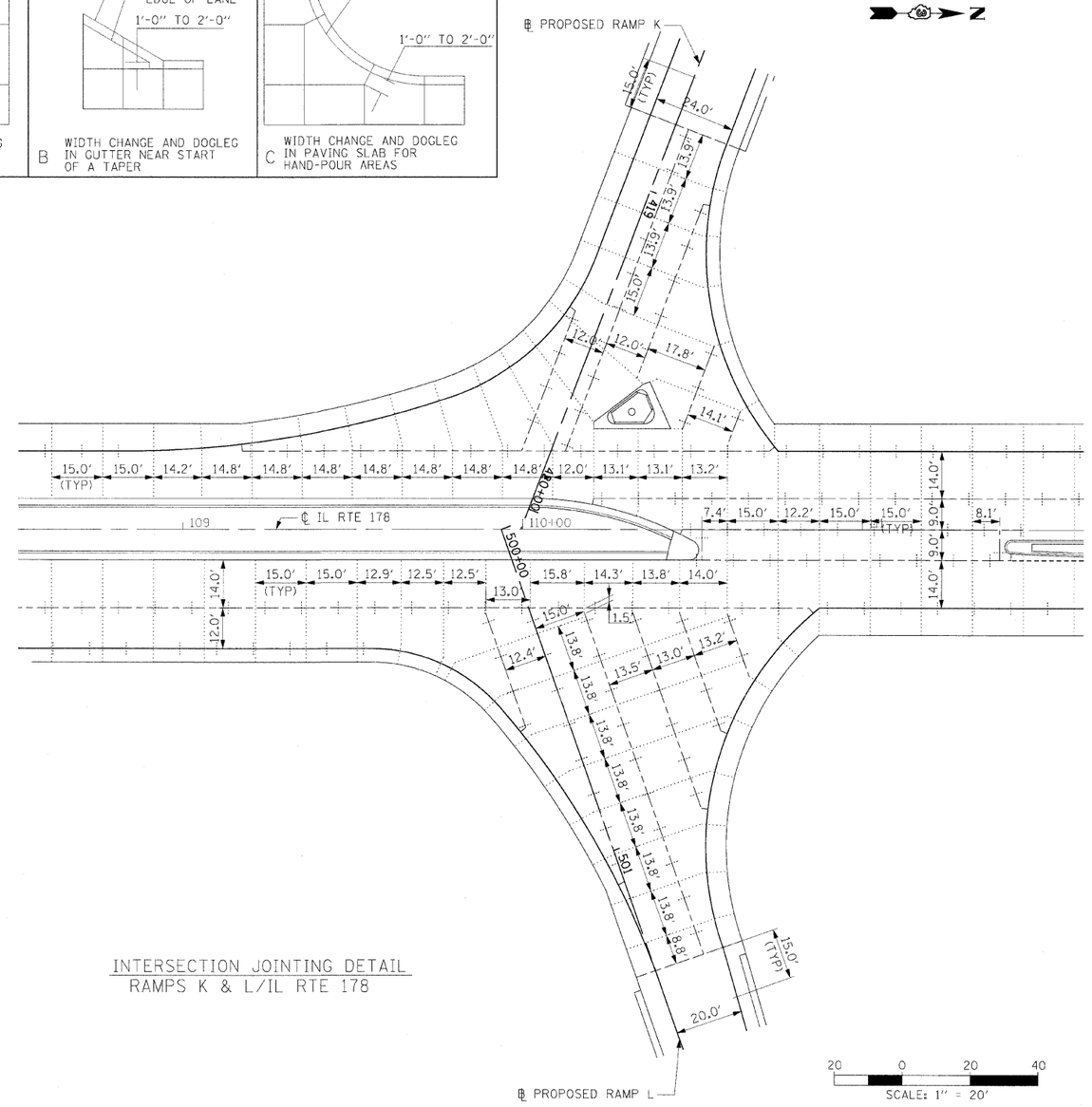


LEGEND

(178) = IL. RTE. 178
(RK) = RAMP K
(RL) = RAMP L

STATION
OFFSET (BASELINE)
ELEVATION

INTERSECTION ELEVATION DETAIL
RAMPS K & L/IL RTE 178



INTERSECTION JOINTING DETAIL
RAMPS K & L/IL RTE 178

LEGEND

SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT

DOWELED TRANSVERSE CONTRACTION JOINT

EXPANSION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION JOINTING & ELEVATION DETAIL PROPOSED RAMP K & L AND IL RTE 178

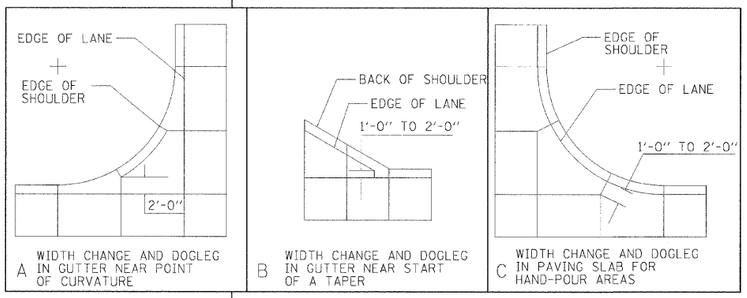
SCALE: VERT.
HORIZ. 1" = 20'
DATE

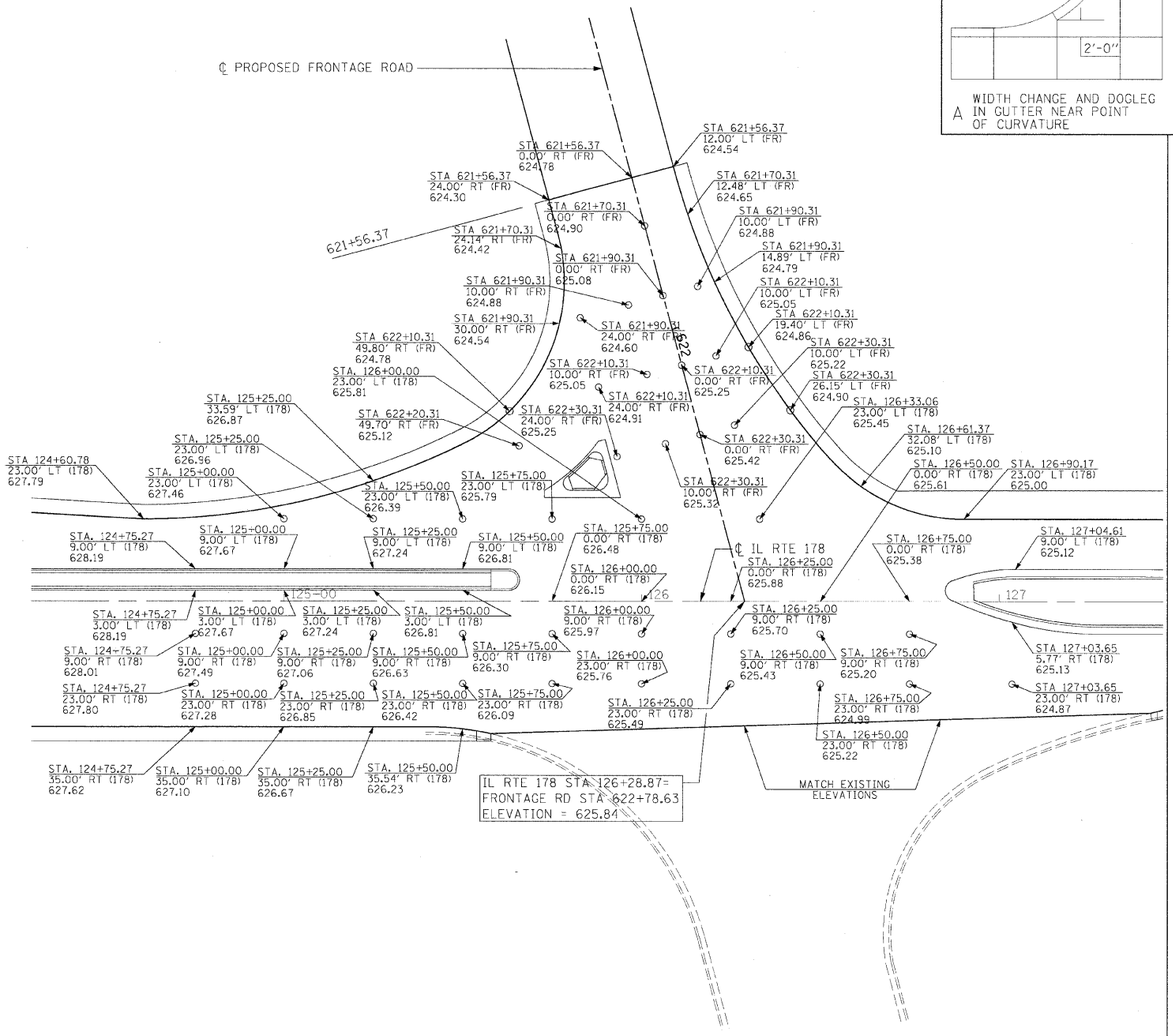
DRAWN BY RDJ
CHECKED BY

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	221
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



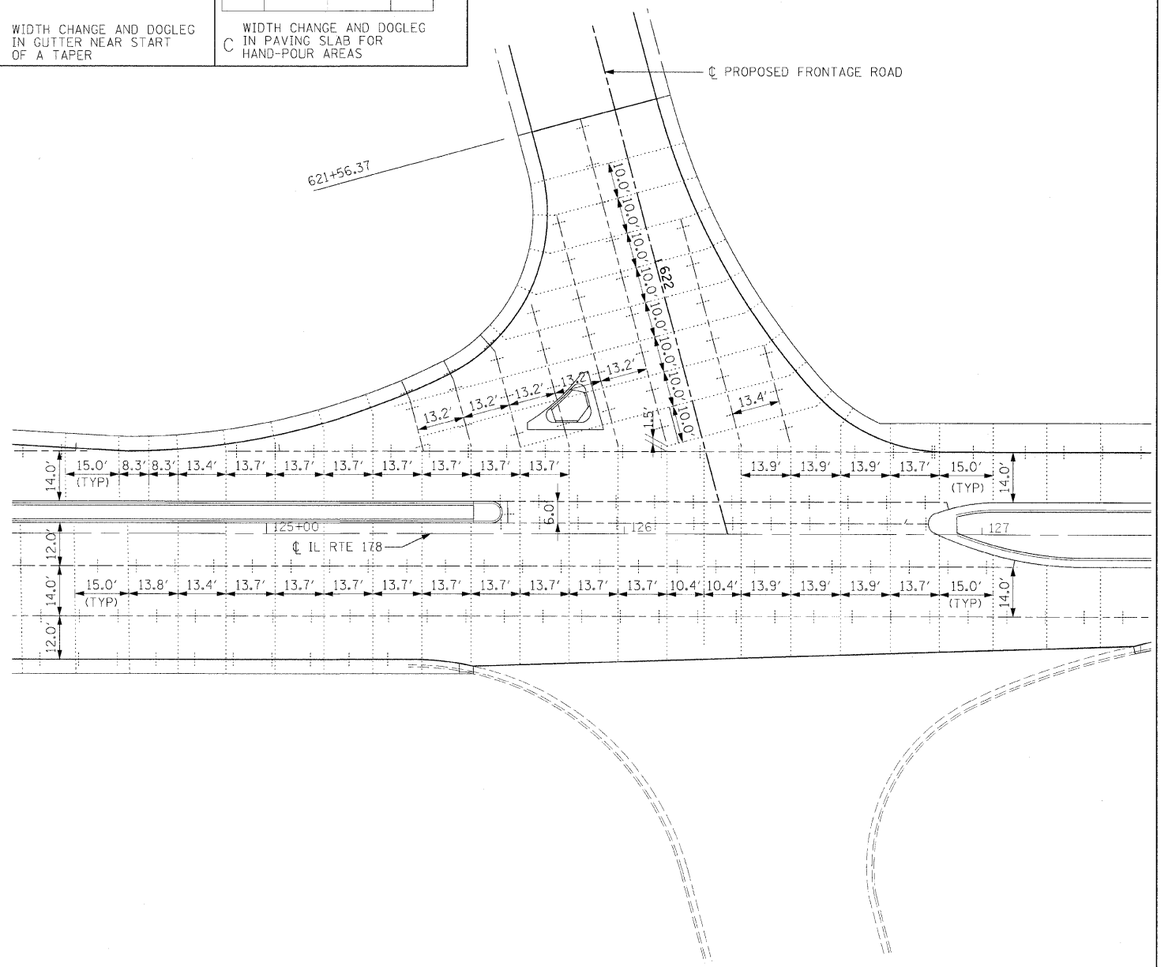


INTERSECTION ELEVATION DETAIL
FRONTAGE ROAD/IL RTE 178

LEGEND

(178) = IL. RTE. 178
(FR) = FRONTAGE ROAD

STATION
OFFSET (BASELINE)
ELEVATION



INTERSECTION JOINTING DETAIL
FRONTAGE ROAD/IL RTE 178

20 0 20 40
SCALE: 1" = 20'

LEGEND

SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT

DOWELED TRANSVERSE CONTRACTION JOINT

EXPANSION JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION JOINTING & ELEVATION DETAIL PROPOSED FRONTAGE ROAD AND IL RTE 178

SCALE: VERT.
HORIZ. 1" = 20'
DATE

DRAWN BY RDJ
CHECKED BY RXC

LAYOUT	RSJ	01/25/06
DRAWN	RSJ	01/25/06
REVIEWED	MKB	10/17/07

MODEL NAME = Frontage Rd J
PLOT DATE = 12/3/2007
FILE NAME = C:\Pw_Export\IC-5111NT.dgn
PLOT SCALE = 20.0000 '/ in.
USER NAME = Jonna20944

HANSON
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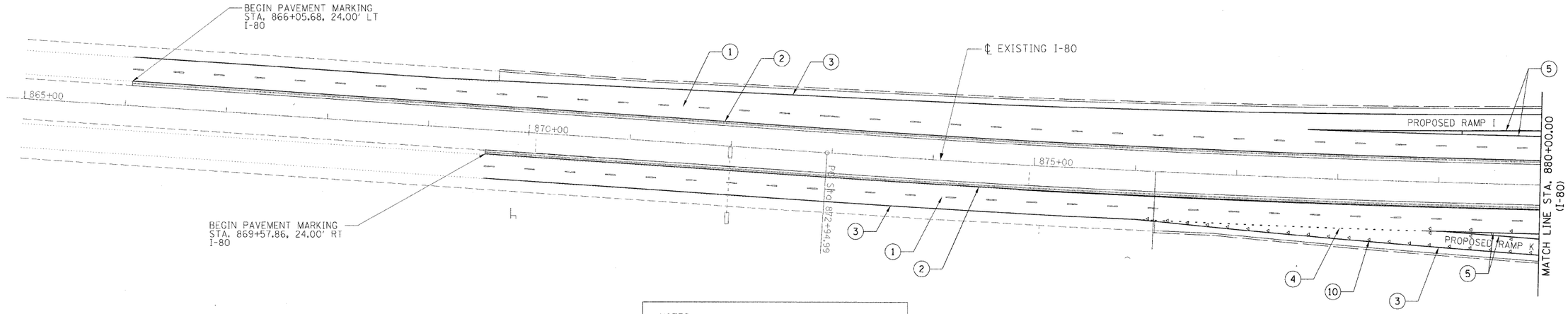
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

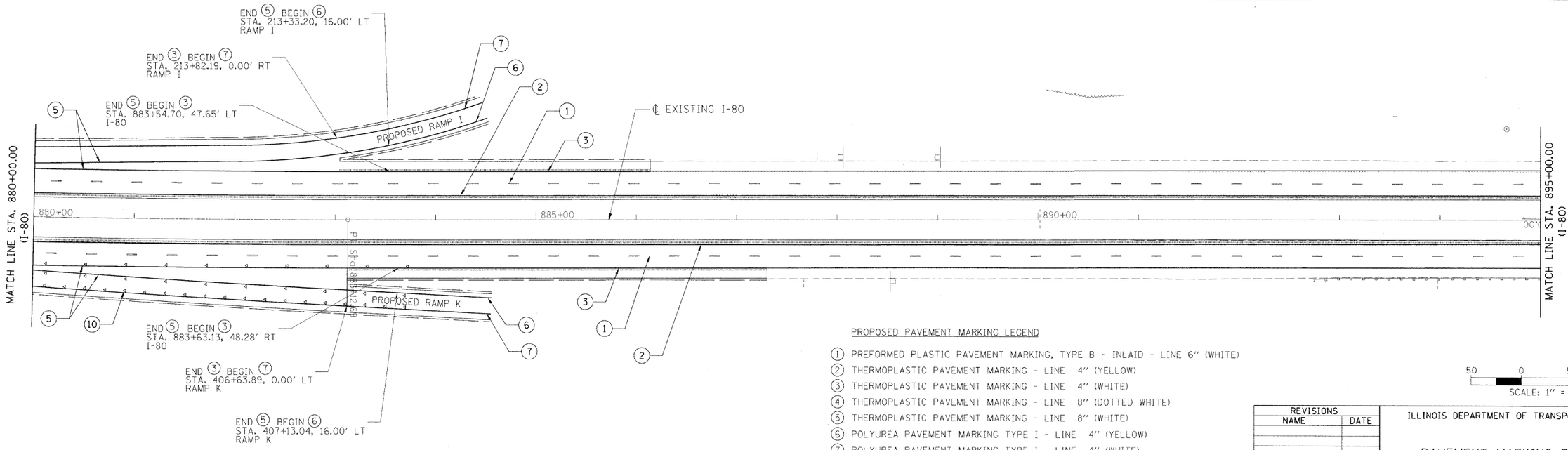
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	222
STA. 865+00.00	TO STA. 895+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE RAMP K PAVEMENT MARKING SHEETS FOR RAMP K PAVEMENT MARKING
2. SEE RAMP I PAVEMENT MARKING SHEETS FOR RAMP I PAVEMENT MARKING



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
10. RAISED REFLECTIVE PAVEMENT MARKER

50 0 50 100
SCALE: 1" = 50'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
I-80

SCALE: VERT.
HORIZ. 1" = 50'
DATE

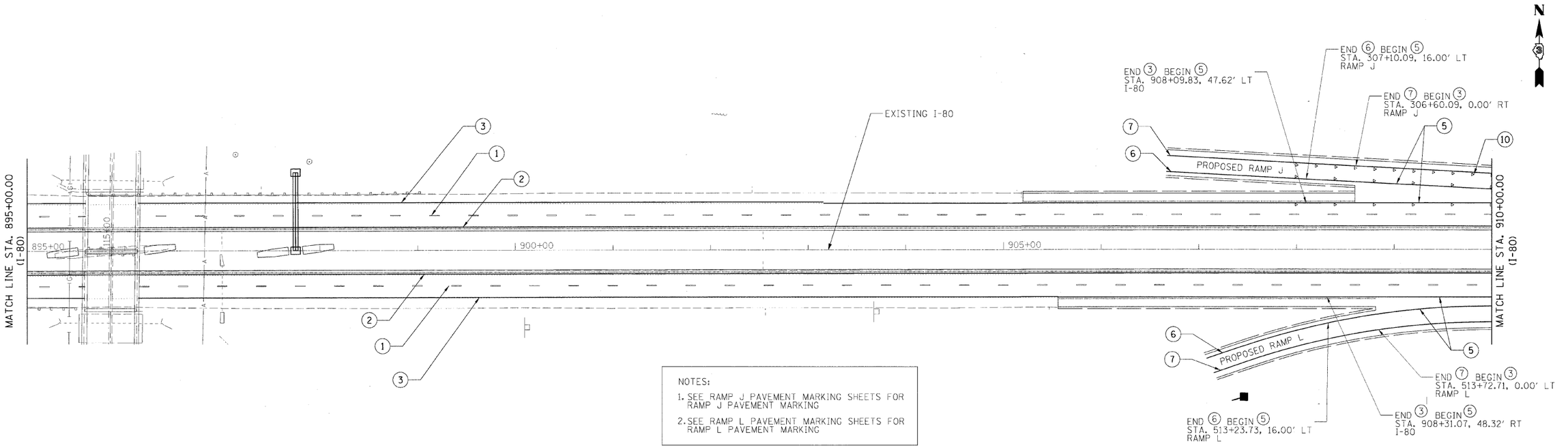
DRAWN BY RDJ
CHECKED BY

LAYOUT	MEW	01/05/06
DRAWN	MEW	01/09/06
REVIEWED	MTM	02/1/07

MODEL NAME = FAI-80 Sht 1
PLOT DATE = 12\23\2009
FILE NAME = C:\Proj_Export\NC-122PMRK.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnw00144

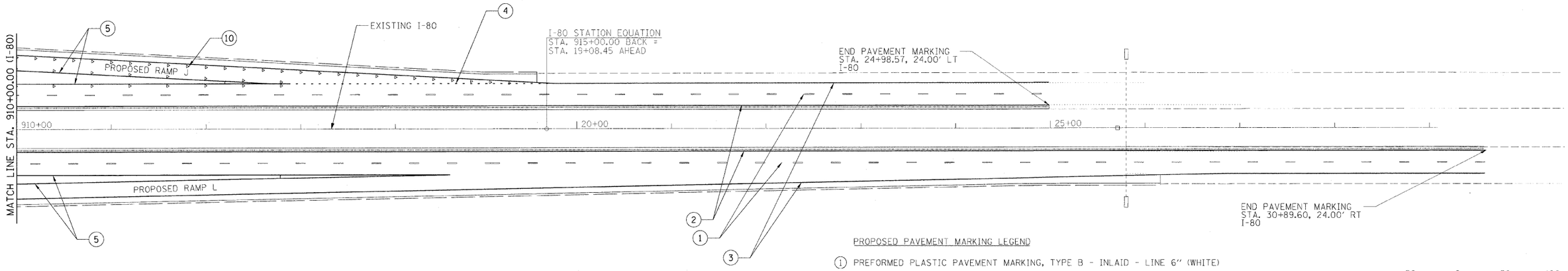
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	223
STA. 895+00.00	TO STA. 29+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE RAMP J PAVEMENT MARKING SHEETS FOR RAMP J PAVEMENT MARKING
2. SEE RAMP L PAVEMENT MARKING SHEETS FOR RAMP L PAVEMENT MARKING



PROPOSED PAVEMENT MARKING LEGEND

(1) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
(3) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
(4) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
(6) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
(7) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
(8) POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
(9) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
(10) RAISED REFLECTIVE PAVEMENT MARKER

50 0 50 100
SCALE: 1" = 50'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
I-80

SCALE: VERT.
HORIZ. 1' = 50'
DATE

DRAWN BY RDJ
CHECKED BY

FAI-80

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1525 South Sixth Street
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Offices Nationwide

MODEL NAME = FAI-80 Sht 2
PLOT DATE = 10/17/2007
FILE NAME = C:\Proj_Exper\VC-120PMRK.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Johnna29744

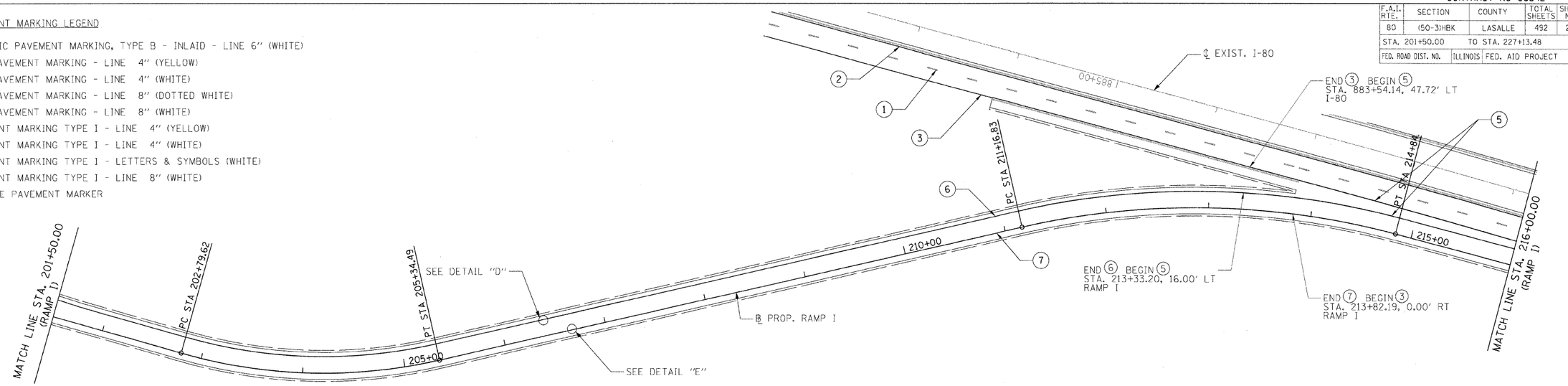
LAYOUT	MEW	01/09/06
DRAWN	MEW	01/09/06
REVIEWED	MTM	10/17/07

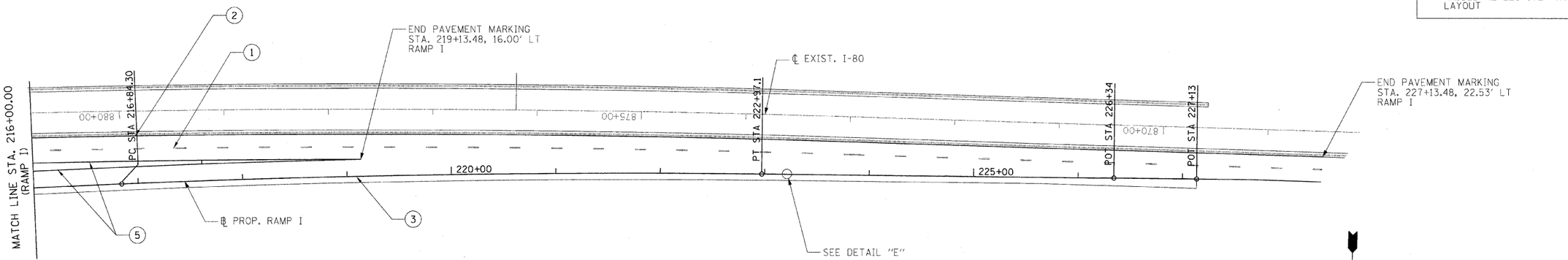
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	224
STA. 201+50.00		TO STA. 227+13.48		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
10. RAISED REFLECTIVE PAVEMENT MARKER





NOTES:

1. SEE I-80 PAVEMENT MARKING SHEETS FOR I-80 PAVEMENT MARKING
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
RAMP I

SCALE: VERT.
HORIZ. 1"=50'

DRAWN BY JAP

DATE

CHECKED BY

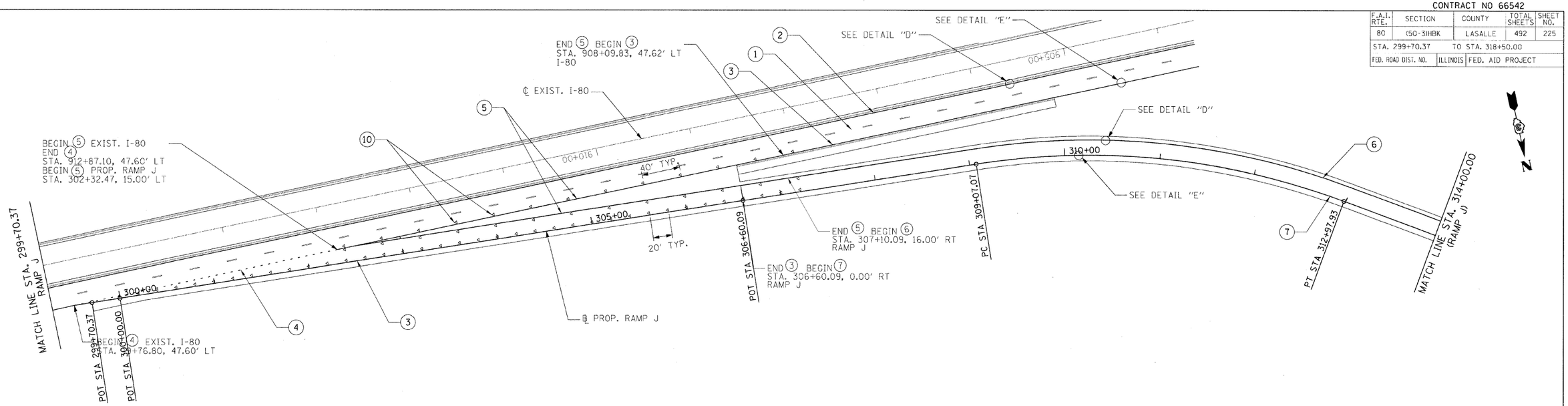
LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	MTM	10/1/07

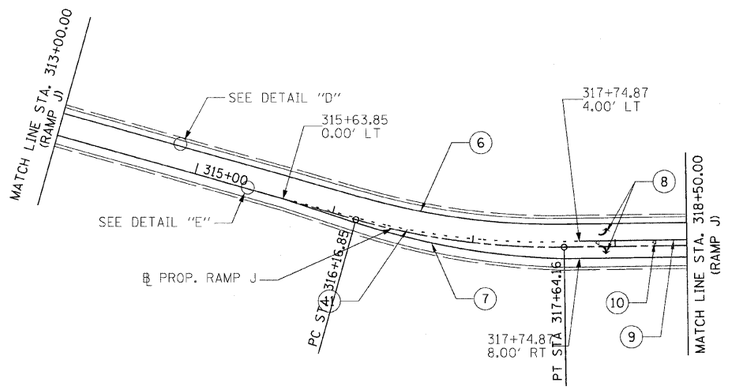
MODEL NAME = RAMP I
PLOT DATE = 12/23/2009
FILE NAME = C:\Projects\NC-120M6K.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John=209144

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(5Q-3)HBK	LASALLE	492	225
STA. 299+70.37	TO STA. 318+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





NOTES:

1. SEE I-80 PAVEMENT MARKING SHEETS FOR I-80 PAVEMENT MARKING
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT

PROPOSED PAVEMENT MARKING LEGEND

(1) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
(3) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
(4) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
(6) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
(7) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
(8) POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
(9) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
(10) RAISED REFLECTIVE PAVEMENT MARKER
(11) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (DOTTED WHITE)

50 0 50 100
SCALE IN FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN RAMP J

SCALE: VERT.
HORIZ. 1"=50'
DATE

DRAWN BY JAP
CHECKED BY

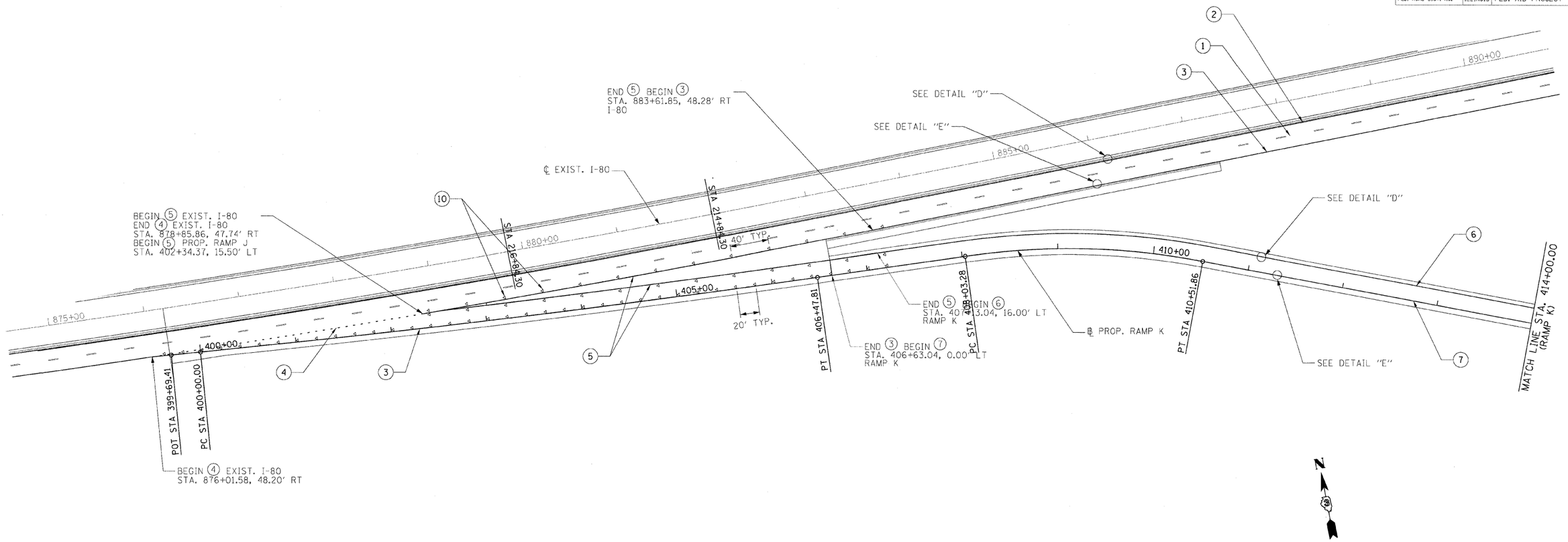
LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	MTM	10/1/07

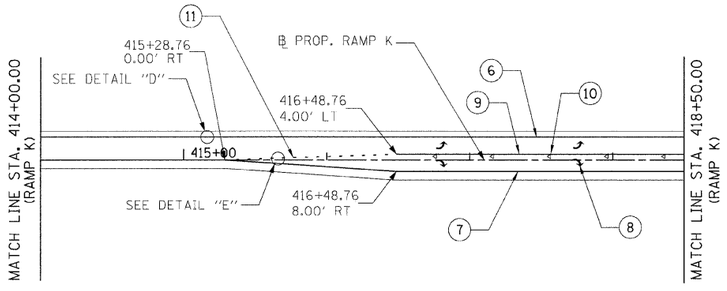
MODEL NAME = RAMP J
PLOT DATE = 12/2/2009
FILE NAME = C:\Pw_Export\C-120MRK.dgn
PLOT SCALE = 50.2081 '/ in.
USER NAME = John=280744

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	226
STA. 399+69.41		TO STA. 418+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





NOTES:

1. SEE I-80 PAVEMENT MARKING SHEETS FOR I-80 PAVEMENT MARKING
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT

PROPOSED PAVEMENT MARKING LEGEND

(1) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
(3) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
(4) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
(6) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
(7) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
(8) POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
(9) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
(10) RAISED REFLECTIVE PAVEMENT MARKER
(11) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (DOTTED WHITE)

N

50 0 50 100
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
RAMP K

SCALE: VERT.
HORIZ. 1"=50'
DATE

DRAWN BY JAP
CHECKED BY

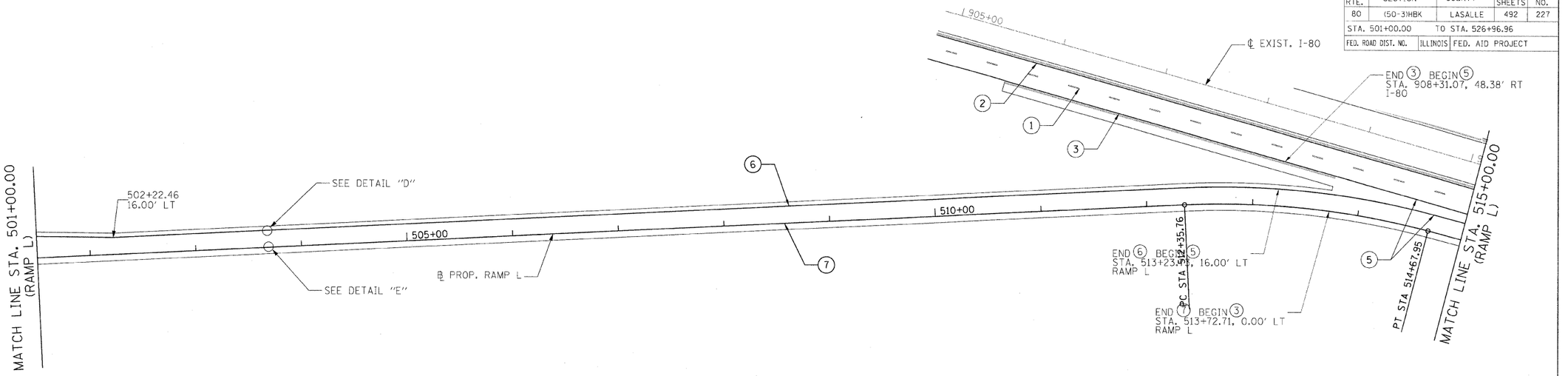
LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
DELIVERED	MTM	10/17/07

MODEL NAME = RAMP K
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Expor-tVC-120MRK.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = John420944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

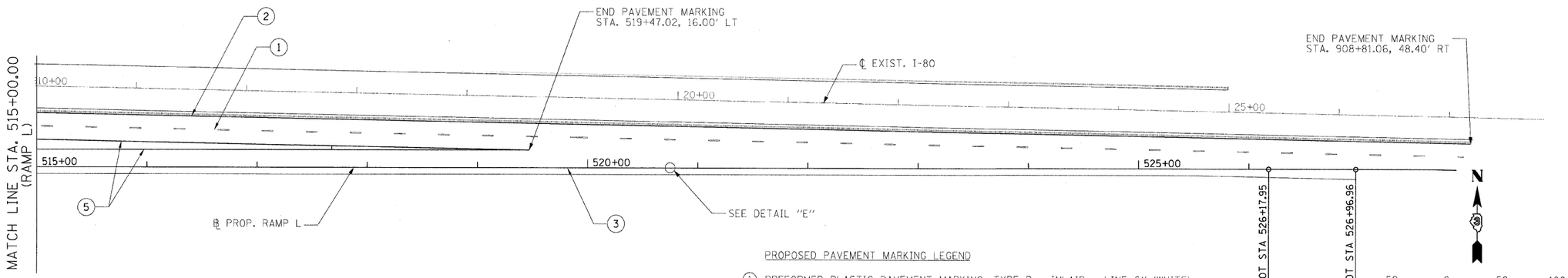
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	227
STA. 501+00.00		TO STA. 526+96.96		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE I-80 PAVEMENT MARKING SHEETS FOR I-80 PAVEMENT MARKING
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT



PROPOSED PAVEMENT MARKING LEGEND

1. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
10. RAISED REFLECTIVE PAVEMENT MARKER

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS RAMP L

SCALE: VERT. HORIZ. 1"=50'
DATE

DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	MTM	10/1/07

MODEL NAME = RAMP L
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C:\20495x.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Jason\dp0944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	228
STA. 96+45.0		TO STA. 139+57.2		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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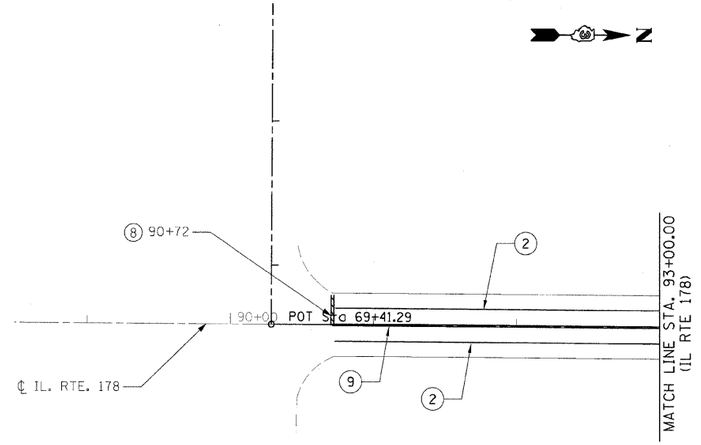
NOTES:

1. ALL PAVEMENT MARKINGS ON IL ROUTE 178 SHALL BE POLYUREA PAVEMENT MARKINGS

2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT.

PROPOSED PAVEMENT MARKING LEGEND

(1) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
(2) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
(3) POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
(4) POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (YELLOW SKIP DASH)
(5) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
(6) POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (DOTTED WHITE)
(7) POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
(8) POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (STOP BAR - WHITE)
(9) POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW CENTERLINE)
(10) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
(11) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
(12) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
(13) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
(14) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
(15) RAISED REFLECTIVE PAVEMENT MARKER



50 0 50 100
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
IL ROUTE 178 (UTICA ROAD)

SCALE: VERT.
HORIZ. 1"=50'
DATE

DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	WTM	10/17/07

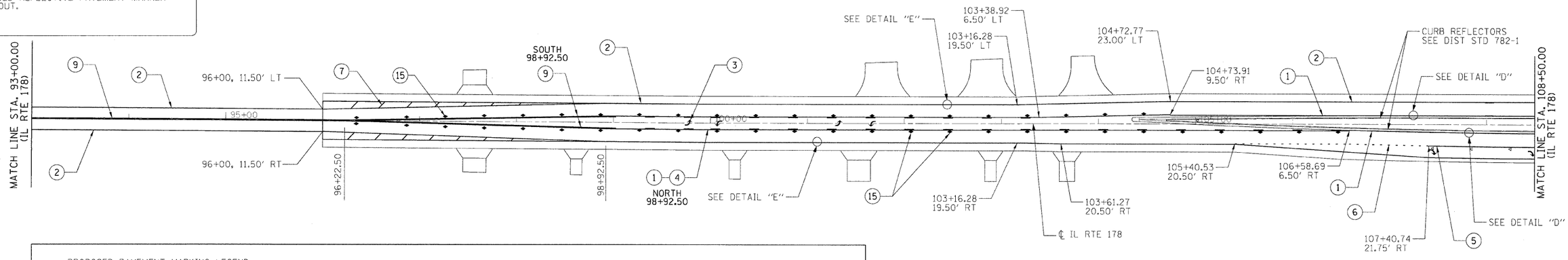
MODEL NAME = IL RTE 178 SHEET 1
PLOT DATE = 10/31/2008
FILE NAME = C:\PW_Export\C-120MRK.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Johna28944

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	229
STA. 96+45.0		TO STA. 139+57.2		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

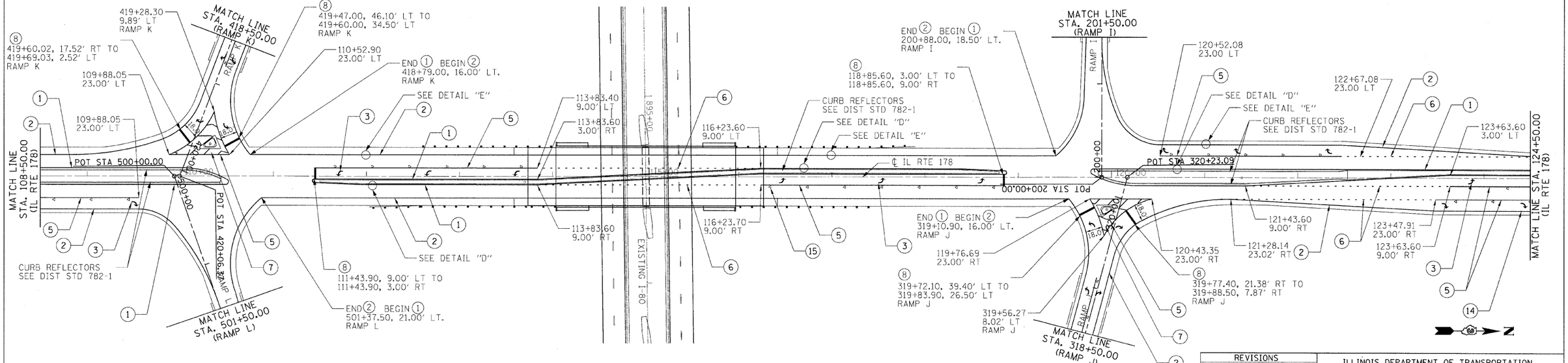
NOTES:

1. ALL PAVEMENT MARKINGS ON IL ROUTE 178 SHALL BE POLYUREA PAVEMENT MARKINGS
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT.



PROPOSED PAVEMENT MARKING LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
3. POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
4. POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (YELLOW SKIP DASH)
5. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (DOTTED WHITE)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (STOP BAR - WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW CENTERLINE)
10. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
14. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
15. RAISED REFLECTIVE PAVEMENT MARKER



50 0 50 100
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
IL ROUTE 178 (UTICA ROAD)

SCALE: VERT.
HORIZ. 1"=50'
DATE

DRAWN BY JAP
CHECKED BY

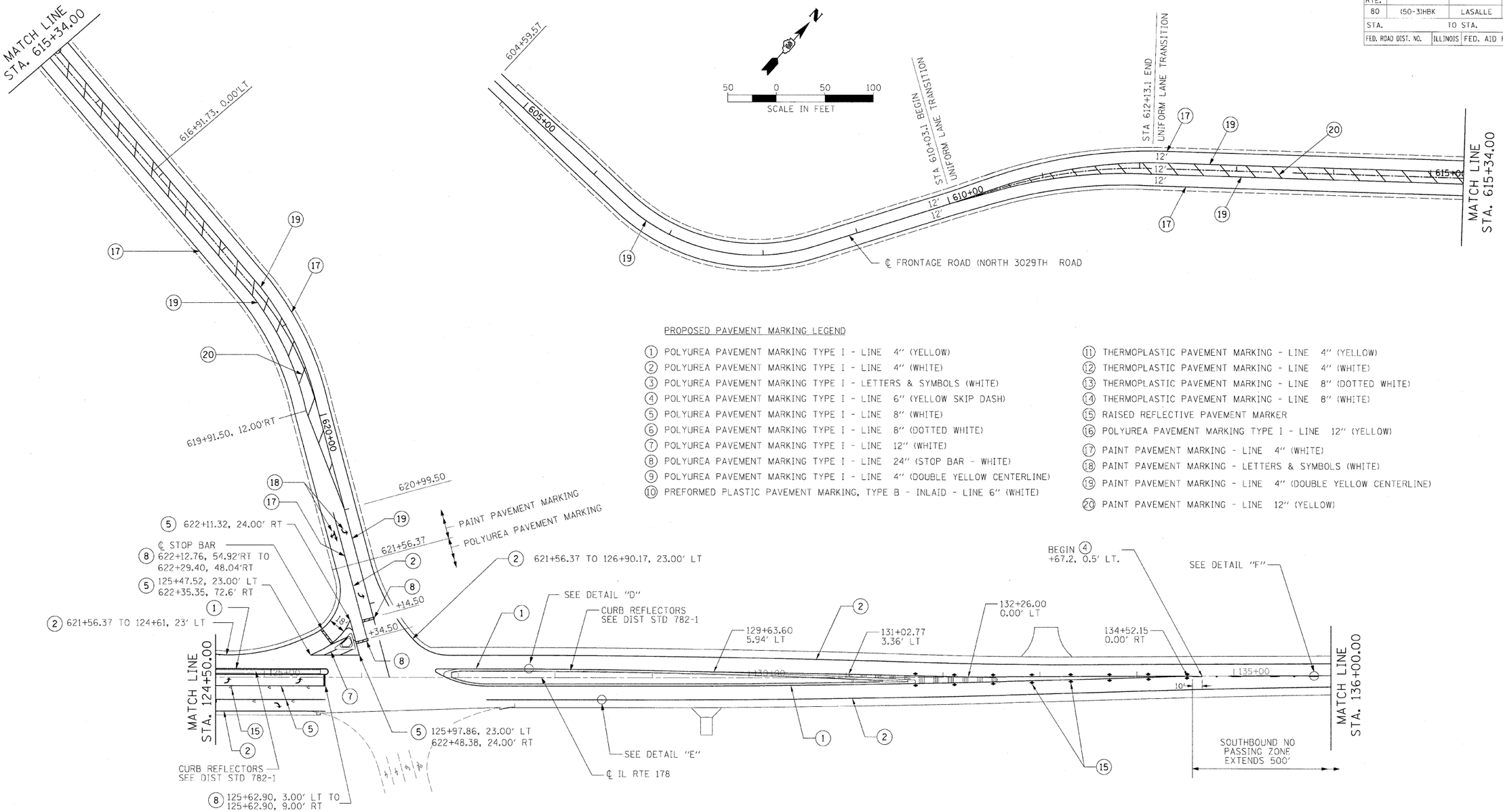
LAYOUT	JAP	01/12/05
DRAWN	JAP	01/12/05
REVIEWED	MTM	10/1/07

MODEL NAME = IL RTE 178 SHEET 2
PLOT DATE = 12-23-2009
FILE NAME = C:\PW_Exports\C-120M4K.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Jarod2944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	230
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED PAVEMENT MARKING LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
3. POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (WHITE)
4. POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (YELLOW SKIP DASH)
5. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (DOTTED WHITE)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (STOP BAR - WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW CENTERLINE)
10. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6" (WHITE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
12. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
13. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED WHITE)
14. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
15. RAISED REFLECTIVE PAVEMENT MARKER
16. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
17. PAINT PAVEMENT MARKING - LINE 4" (WHITE)
18. PAINT PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
19. PAINT PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW CENTERLINE)
20. PAINT PAVEMENT MARKING - LINE 12" (YELLOW)

NOTES:

1. ALL PAVEMENT MARKINGS ON IL ROUTE 178 SHALL BE POLYUREA PAVEMENT MARKINGS
2. SEE PAVEMENT MARKING DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER LAYOUT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
IL ROUTE 178 (UTICA ROAD)
& FRONTAGE ROAD (N. 3029TH RD.)

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

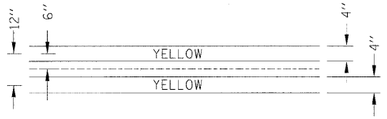
LAYOUT		
DRAWN		
REVIEWED	MTM	10/1/07

MODEL NAME = IL RTE 178 SHEET 3
PLOT DATE = 12/23/2009
FILE NAME = C:\PW_Export\VC-120MKRK.dgn
PLOT SCALE = 50.0000 ' / in.
USER NAME = Johnsd09944

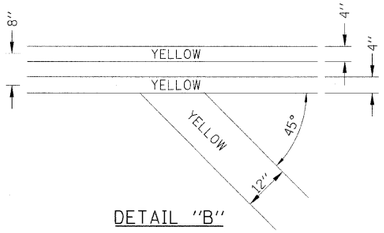
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

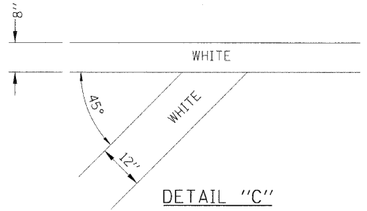
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	231
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



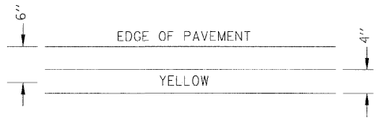
DETAIL "A"



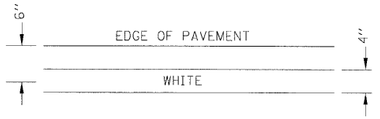
DETAIL "B"



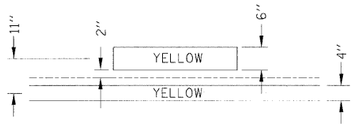
DETAIL "C"



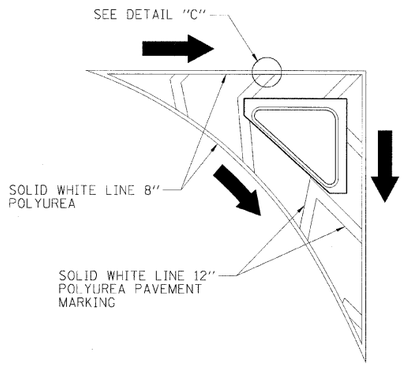
MEDIAN EDGE STRIPE DETAIL "D"



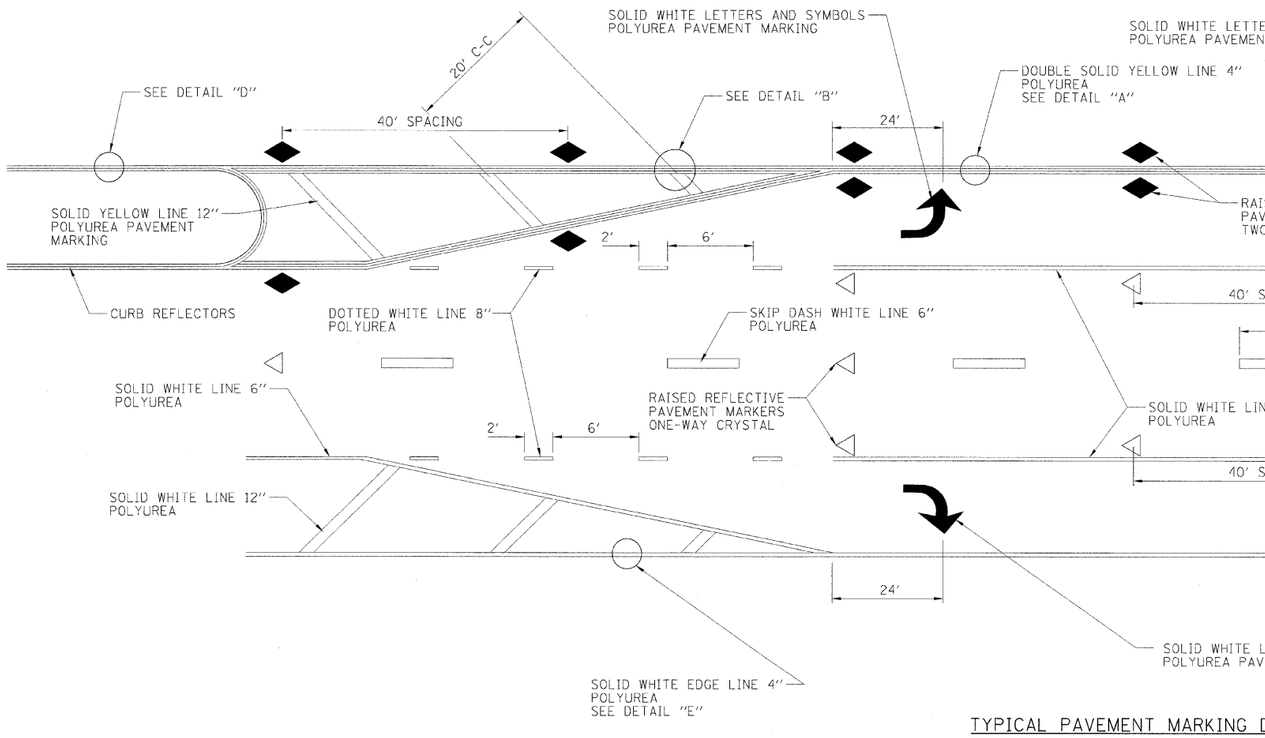
EDGE STRIPE DETAIL "E"



DETAIL "F"



ISLAND MARKING DETAIL



TYPICAL PAVEMENT MARKING DETAIL

NOTE:

1. ALL PAVEMENT MARKINGS ON PORTLAND CEMENT CONCRETE AND ON IL ROUTE 178 SHALL BE POLYUREA PAVEMENT MARKINGS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS DETAILS

SCALE: VERT.
HORIZ.

DRAWN BY JAP

DATE

CHECKED BY

LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	WTM	10/1/07

MODEL NAME = DETAIL PM
PLOT DATE = 12/23/2009
FILE NAME = C:\PWF\export\C-129MRK.dgn
PLOT SCALE = 40.000 '/ In.
USER NAME = Jonna20944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	232
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

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
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

BILL OF MATERIALS

DESCRIPTION	UNIT	TOTAL QUANTITY	REMOVALS	REGULATORY AND WARNING SIGNS	GROUND MOUNTED SIGNS	RELOCATED SIGNS	OVERHEAD SIGNS
SIGN PANEL - TYPE 1	SQ FT	153.71	0	153.71	0	0	0
SIGN PANEL - TYPE 2	SQ FT	238.00	0	238.00	0	0	0
SIGN PANEL - TYPE 3	SQ FT	2,839.75	0	60.00	2,367.25	0	412.50
REMOVE SIGN PANEL ASSEMBLY-TYPE A	EACH	8.00	4.00	0	0	4.00	0
REMOVE SIGN PANEL ASSEMBLY-TYPE B	EACH	13.00	9.00	0	0	4.00	0
REMOVE SIGN PANEL-TYPE 1	SQ FT	199.70	190.51	0	0	9.19	0
REMOVE SIGN PANEL-TYPE 2	SQ FT	125.00	79.00	0	0	46.00	0
REMOVE SIGN PANEL-TYPE 3	SQ FT	1,634.00	1,606.00	0	0	28	0
RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4.00	0	0	0	4.00	0
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4.00	0	0	0	4.00	0
RELOCATE SIGN PANEL - TYPE 1	SQ FT	9.19	0	0	0	9.19	0
RELOCATE SIGN PANEL - TYPE 2	SQ FT	46.00	0	0	0	46.00	0
RELOCATE SIGN PANEL - TYPE 3	SQ FT	28.00	0	0	0	28.00	0
MILE POST MARKER ASSEMBLY	EACH	2.00	0	2.00	0	0	0
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	21,479.34	0	0.00	21,479.34	0.00	0
WOOD SIGN SUPPORT	FOOT	1,070.78		764.50	0.00	306.28	0
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	80.00	0	0	0	0	80.00
OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	32.00	0	0	0	0	32.00
CONCRETE FOUNDATIONS	CU YD	39.46	0	0.00	39.46	0.00	0
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	12.60	0	0	0	0	12.60
REMOVE OVERHEAD SIGN STRUCTURE-SPAN	EACH	1.00	1.00	0	0	0	0
REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	74.00	74.00	0	0	0	0
REMOVE CONCRETE FOUNDATION-GROUND MOUNT	EACH	26.00	26.00	0	0	0	0
REMOVE CONCRETE FOUNDATION-OVERHEAD	EACH	2.00	2.00	0	0	0	0
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE-SPAN	EACH	2.00	0	0	0	0	2
REINFORCEMENT BARS	POUND	3,030.00	0	0.00	3,030.00	0.00	0

HANSON
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1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/7/07

MODEL NAME = 1 INDEX
PLOT DATE = 12-23-2009
FILE NAME = C:\PW_Export\IC-15SIGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = John-480944

SIGNING SHEET 1 OF 25

REVISIONS NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
INDEX OF SHEETS AND
TOTAL BILL OF MATERIALS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = 2 Removal
PLOT DATE = 10/2/2009
FILE NAME = C:\Pw_Export\C-1585SN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johnd20944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	233
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS - REMOVALS

SIGN REMOVAL NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT, RIGHT, MEDIAN)	PANEL WIDTH FEET	PANEL HEIGHT FEET	SIGN AREA SQ. FT.	POST MATERIAL	REMOVE SIGN PANEL ASSEMBLY TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY TYPE B EACH	REMOVE SIGN PANEL TYPE 1 SQ. FT.	REMOVE SIGN PANEL TYPE 2 SQ. FT.	REMOVE SIGN PANEL TYPE 3 SQ. FT.	REMOVE OVERHEAD SIGN STRUCTURE SPAN EACH	REMOVE GROUND MOUNTED SIGN SUPPORT EACH	REMOVE CONCRETE FOUNDATION GROUND MOUNT EACH	REMOVE CONCRETE FOUNDATION OVERHEAD EACH	REMARKS
001	I-80 WB	871+86	LEFT	2.00	1.00	2.00	WOOD		1					1			
				3.00	3.00	9.00											
002	I-80 EB	886+61	RIGHT	5.00	6.00	30.00	WOOD					30.00		2			
003	I-80 WB	888+03	LEFT	4.00	4.00	16.00	WOOD				16.00			1			
004	I-80 EB	888+55	RIGHT	1.00	3.00	3.00	STEEL			3.00				1			
005	I-80 WB	889+00	LEFT	1.00	3.00	3.00	STEEL			3.00				1			
006	I-80 EB	903+70	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
007	I-80 WB	905+16	LEFT	6.00	5.00	30.00	WOOD					30.00		2			
008	I-80 WB	907+73	LEFT	6.00	2.00	12.00							1			2	
				6.00	2.00	12.00											
				6.00	1.00	6.00											
				9.00	9.00	81.00											
				30.00	10.00	300.00											
009	I-80 EB	23+70	RIGHT	2.00	1.00	2.00	WOOD		1					1			
				3.00	3.00	9.00											
010	RAMP I	200+87	RIGHT	5.00	4.00	20.00	WOOD				20.00			2			
011	RAMP I	202+11	RIGHT	2.00	2.50	5.00	WOOD			5.00				1			
012	RAMP I	205+23	RIGHT	1.50	1.25	1.88	STEEL			1.88				1			
014	RAMP I	207+79	RIGHT	1.50	1.25	1.88	STEEL			1.88				1			
015	RAMP J	305+85	RIGHT	4.00	8.00	32.00	WOOD					32.00		2			
016	RAMP J	307+39	RIGHT	9.00	10.00	90.00	STEEL					90.00		2	2		
017	RAMP J	309+04	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
018	RAMP J	310+62	RIGHT	11.00	11.00	121.00	STEEL					121.00		2	2		
019	RAMP J	312+99	RIGHT	15.00	8.00	120.00	STEEL					120.00		2	2		
				2.00	2.00	4.00				4.00							
				2.00	1.00	2.00				2.00							
				6.50	2.00	13.00					13.00						
020	RAMP J	314+84	RIGHT	10.00	5.00	50.00	STEEL					50.00		2	2		
021	RAMP J	315+45	LEFT	3.00	2.00	6.00	WOOD			6.00				1			
022	RAMP J	315+47	RIGHT	3.00	2.00	6.00	WOOD			6.00				1			
023	RAMP J	316+20	RIGHT	3.00	1.50	4.50	WOOD		1					1			
				3.00	3.00	9.00											
024	RAMP J	316+24	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
025	RAMP J	316+85	RIGHT	2.50	2.50	6.25	WOOD			6.25				1			
026	RAMP J	316+87	LEFT	2.50	2.50	6.25	WOOD		1					1			
				3.00	1.00	3.00											
				1.50	2.00	3.00											
				3.00	1.00	3.00											
027	RAMP K	405+81	RIGHT	8.00	2.00	16.00	STEEL				16.00	90.00		2	2		
				9.00	10.00	90.00											
028	RAMP K	407+22	RIGHT	6.00	10.00	60.00	STEEL					60.00		2	2		
029	RAMP K	409+03	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
030	RAMP K	411+07	RIGHT	10.00	8.00	80.00	STEEL					80.00		2	2		
031	RAMP K	413+05	RIGHT	14.00	8.00	112.00	STEEL					112.00		2	2		
				2.00	1.00	2.00				2.00							
				2.00	2.00	4.00				4.00							
				7.00	2.00	14.00					14.00						
032	RAMP K	414+96	RIGHT	11.00	6.00	66.00	STEEL					66.00		2	2		
033	RAMP K	415+58	LEFT	3.00	2.00	6.00	WOOD			6.00				1			
034	RAMP K	415+63	RIGHT	3.00	2.00	6.00	WOOD			6.00				1			
035	RAMP K	416+32	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
036	RAMP K	416+35	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
							SUBTOTAL	0	4	111.01	79.00	881.00	1	47	18	2	

SIGNING SHEET 2 OF 25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS
REMOVALS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = 9 Removal 2
PLOT DATE = 12/21/2009
FILE NAME = C:\PW_Exports\C-150SIGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johna08944

LAYOUT	MOC	02/06/06
DRAWN	MOC	02/06/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	234
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS - REMOVALS

SIGN REMOVAL NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT, RIGHT, MEDIAN)	PANEL WIDTH FEET	PANEL HEIGHT FEET	SIGN AREA SQ. FT.	POST MATERIAL	REMOVE SIGN PANEL ASSEMBLY TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY TYPE B EACH	REMOVE SIGN PANEL TYPE 1 SQ. FT.	REMOVE SIGN PANEL TYPE 2 SQ. FT.	REMOVE SIGN PANEL TYPE 3 SQ. FT.	REMOVE OVERHEAD SIGN STRUCTURE SPAN EACH	REMOVE GROUND MOUNTED SIGN SUPPORT EACH	REMOVE CONCRETE FOUNDATION GROUND MOUNT EACH	REMOVE CONCRETE FOUNDATION OVERHEAD EACH	REMARKS
037	RAMP K	416+87	LEFT	3.00	3.00	9.00	WOOD		1					1			
				3.00	1.00	3.00											
				3.00	1.00	3.00											
				2.00	1.50	3.00											
038	RAMP K	416+91	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
039	RAMP L	501+28	RIGHT	4.00	5.00	20.00	WOOD		1					1			
				2.00	2.50	5.00											
044	IL 178	100+86	RIGHT	2.00	1.00	2.00	WOOD		1					1			
				3.00	3.00	9.00											
045	IL 178	106+40	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
046	IL 178	107+56	RIGHT	14.00	18.00	252.00	STEEL					252.00		2	2		
047	IL 178	107+69	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
048	IL 178	108+00	LEFT	2.00	1.00	2.00	WOOD	1						1			
				2.00	2.00	4.00											
049	IL 178	109+99	RIGHT	2.50	3.00	7.50	WOOD			7.50				1			
050	IL 178	110+43	LEFT	10.00	10.00	100.00	STEEL					100.00		2	2		
051	IL 178	111+98	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
053	IL 178	116+91	LEFT	2.00	1.00	2.00	WOOD		1					1			
				2.50	3.00	7.50											
				2.50	1.50	3.75											
054	IL 178	119+57	RIGHT	11.00	11.00	121.00	STEEL					121.00		2	2		
055	IL 178	120+01	LEFT	1.00	1.75	1.75	WOOD	1						1			
				2.00	2.50	5.00											
				1.25	1.75	2.19											
056	IL 178	121+17	LEFT	14.00	18.00	252.00	STEEL					252.00		2	2		
057	IL 178	121+59	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
058	IL 178	122+20	MEDIAN	0.00	0.00	0.00	STEEL							1			MISSING SIGN PANEL
059	IL 178	123+00	RIGHT	2.00	1.00	2.00	STEEL	1						1			
				2.50	2.00	5.00											
060	IL 178	124+62	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
062	IL 178	132+40	LEFT	2.00	1.00	2.00	WOOD		1					1			
				2.50	3.00	7.50											
063	IL 178	135+02	LEFT	3.00	3.00	9.00	WOOD			9.00				1			
064	FRONTAGE RD.	620+31	RIGHT	2.00	0.50	1.00	WOOD	1						1			
				2.00	0.50	1.00											
				2.00	0.50	1.00											
				2.00	0.50	1.00											
065	FRONTAGE RD.	620+21	RIGHT	3.00	3.00	9.00	WOOD			9.00				1			
							SUBTOTAL	4	5	79.50	0	725.00	0	27	8	0	

SIGNING SHEET 3 OF 25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS
REMOVALS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MOC
CHECKED BY MLT

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	235
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS - REGULATORY AND WARNING SIGNS

SIGN PLAN SHEET NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT RIGHT MEDIAN)	SIGN CODE	DESCRIPTION	PANEL WIDTH FEET	PANEL HEIGHT FEET	POST ONE LENGTH LF	POST TWO LENGTH LF	MILE POST MARKER ASSEMBLY EACH	WOOD SIGN SUPPORT 6x6 LF	SIGN PANEL TYPE 1 SF	SIGN PANEL TYPE 2 SF	SIGN PANEL TYPE 3 SF
8 OF 25	I-80 WB	867+60	LEFT	M3-4I-3015	WEST	2.50	1.25	21.95			21.95	3.13	0.00	0.00
				M1-1-36	INTERSTATE 80	3.00	3.00					0.00	9.00	0.00
8 OF 25	I-80 WB	885+05	LEFT	W4-1-48	MERGE	4.00	4.00	19.72			19.72	0.00	16.00	0.00
8 OF 25	I-80 EB	885+21	RIGHT	E5-1A-7260	EXIT 81	6.00	5.00	18.70	19.44		38.14	0.00	0.00	30.00
8 OF 25	I-80 WB	889+00	LEFT	D10-5-1236	MILE MARKER 81	1.00	3.00	11.00		1.00		3.00	0.00	0.00
8 OF 25	I-80 EB	889+00	RIGHT	D10-5-1236	MILE MARKER 81	1.00	3.00	11.30		1.00		3.00	0.00	0.00
8 OF 25	I-80 WB	905+96	LEFT	E5-1A-7260	EXIT 81	6.00	5.00	18.90	19.97		38.87	0.00	0.00	30.00
8 OF 25	I-80 EB	906+80	RIGHT	W4-I-48	MERGE	4.00	4.00	20.01			20.01	0.00	16.00	0.00
8 OF 25	I-80 EB	28+20	RIGHT	M3-2I-3015	EAST	2.50	1.25	20.14			20.14	3.13	0.00	0.00
				M1-1-36	INTERSTATE 80	3.00	3.00					0.00	9.00	0.00
8 OF 25	RAMP I	201+30	RIGHT	R5-I100-4860	USE PROHIBITED BY...	4.00	5.00	20.57			20.57	0.00	20.00	0.00
8 OF 25	RAMP J	306+50	RIGHT	W13-3-4860	RAMP 50 MPH	4.00	5.00	19.57			19.57	0.00	20.00	0.00
8 OF 25	RAMP J	312+50	RIGHT	W3-1-36	STOP AHEAD	3.00	3.00	19.65			19.65	0.00	9.00	0.00
8 OF 25	RAMP J	318+35	RIGHT	R5-1A-3624	WRONG WAY	3.00	2.00	15.70			15.70	6.00	0.00	0.00
8 OF 25	RAMP J	318+35	LEFT	R5-1A-3624	WRONG WAY	3.00	2.00	16.12			16.12	6.00	0.00	0.00
8 OF 25	RAMP J	319+10	RIGHT	R5-1-36	DO NOT ENTER	3.00	3.00	16.70			16.70	0.00	9.00	0.00
8 OF 25	RAMP J	319+10	LEFT	R5-1-36	DO NOT ENTER	3.00	3.00	17.12			17.12	0.00	9.00	0.00
8 OF 25	RAMP J	319+72	RIGHT	R1-1-36	STOP	3.00	3.00	16.46			16.46	0.00	9.00	0.00
8 OF 25	RAMP J	319+84	MEDIAN	R6-1L-3612	ONE WAY	3.00	1.00	17.92			17.92	3.00	0.00	0.00
				R6-1R-3612	ONE WAY	3.00	1.00					3.00	0.00	0.00
				R1-1-36	STOP	3.00	3.00					0.00	9.00	0.00
				R6-3A-2418	DIVIDED HIGHWAY	2.00	1.50					3.00	0.00	0.00
8 OF 25	RAMP K	406+50	RIGHT	W13-3-4860	RAMP 50 MPH	4.00	5.00	20.57			20.57	0.00	20.00	0.00
8 OF 25	RAMP K	411+75	RIGHT	W3-1-36	STOP AHEAD	3.00	3.00	19.42			19.42	0.00	9.00	0.00
8 OF 25	RAMP K	418+00	RIGHT	R5-1A-3624	WRONG WAY	3.00	2.00	15.70			15.70	6.00	0.00	0.00
8 OF 25	RAMP K	418+00	LEFT	R5-1A-3624	WRONG WAY	3.00	2.00	16.12			16.12	6.00	0.00	0.00
8 OF 25	RAMP K	418+75	RIGHT	R5-1-36	DO NOT ENTER	3.00	3.00	16.70			16.70	0.00	9.00	0.00
8 OF 25	RAMP K	418+75	LEFT	R5-1-36	DO NOT ENTER	3.00	3.00	17.12			17.12	0.00	9.00	0.00
8 OF 25	RAMP K	419+45	RIGHT	R1-1-36	STOP	3.00	3.00	16.46			16.46	0.00	9.00	0.00
8 OF 25	RAMP K	419+62	MEDIAN	R6-1L-3612	ONE WAY	3.00	1.00	17.67			17.67	3.00	0.00	0.00
				R6-1R-3612	ONE WAY	3.00	1.00					3.00	0.00	0.00
				R1-1-36	STOP	3.00	3.00					0.00	9.00	0.00
				R6-3A-2418	DIVIDED HIGHWAY	2.00	1.50					3.00	0.00	0.00
8 OF 25	RAMP L	501+37	RIGHT	R5-I100-4860	USE PROHIBITED BY...	4.00	5.00	20.57			20.57	0.00	20.00	0.00
8 OF 25	IL 178	100+85	RIGHT	M2-1I-2115	JCT	1.75	1.25	18.11			18.11	2.19	0.00	0.00
				M1-1-24	INTERSTATE 80	2.00	2.00					4.00	0.00	0.00
8 OF 25	IL 178	105+02	MEDIAN	R4-7-2430	KEEP RIGHT	2.00	2.50	14.50			14.50	5.00	0.00	0.00
8 OF 25	IL 178	105+00	LEFT	W11-10-36	TRUCK	3.00	3.00	19.21			19.21	0.00	9.00	0.00
8 OF 25	IL 178	107+00	LEFT	M3-3-2412	SOUTH	2.00	1.00	17.94			17.94	2.00	0.00	0.00
				M1-I100-3024	IL 178	2.50	2.00					5.00	0.00	0.00
8 OF 25	IL 178	113+00	RIGHT	M3-4I-2412	WEST	2.00	1.00	16.92			16.92	2.00	0.00	0.00
				M1-1-24	INTERSTATE 80	2.00	2.00					4.00	0.00	0.00
				M5-1L-2115	LEFT	1.75	1.25					2.19	0.00	0.00
8 OF 25	IL 178	113+70	MEDIAN	R3-I100-2424	LEFT TURN LANE	2.00	2.00	14.00			14.00	4.00	0.00	0.00
8 OF 25	IL 178	116+30	MEDIAN	R3-I100-2424	LEFT TURN LANE	2.00	2.00	14.00			14.00	4.00	0.00	0.00
8 OF 25	IL 178	117+00	LEFT	M3-2I-2412	EAST	2.00	1.00	16.92			16.92	2.00	0.00	0.00
				M1-1-24	INTERSTATE 80	2.00	2.00					4.00	0.00	0.00
				M5-1L-2115	LEFT	1.75	1.25					2.19	0.00	0.00
8 OF 25	IL 178	119+35	LEFT	M3-3-2412	SOUTH	2.00	1.00	18.86			18.86	2.00	0.00	0.00
				M1-I100-3024	IL 178	2.50	2.00					5.00	0.00	0.00
				M6-1L-2115	LEFT ARROW	1.75	1.25					2.19	0.00	0.00
8 OF 25	IL 178	121+40	MEDIAN	R3-I100-2424	LEFT TURN LANE	2.00	2.00	14.00			14.00	4.00	0.00	0.00
8 OF 25	IL 178	123+00	RIGHT	M4-6-2412	END	2.00	1.00	17.94			17.94	2.00	0.00	0.00
				M1-I100-3024	IL 178	2.50	2.00					5.00	0.00	0.00
8 OF 25	IL 178	131+07	MEDIAN	R4-7-2430	KEEP RIGHT	2.00	2.50	14.50			14.50	5.00	0.00	0.00
8 OF 25	IL 178	132+25	LEFT	M2-1I-2115	JCT	1.75	1.25	18.11			18.11	2.19	0.00	0.00
				M1-1-24	INTERSTATE 80	2.00	2.00					4.00	0.00	0.00
8 OF 25	IL 178	135+00	LEFT	W6-1-36	DIVIDED HIGHWAY	3.00	3.00	19.21			19.21	0.00	9.00	0.00
8 OF 25	FRONTAGE RD	616+60	RIGHT	W3-1-30	STOP AHEAD	2.50	2.50	16.70			16.70	6.25	0.00	0.00
8 OF 25	FRONTAGE RD	621+60	RIGHT	R1-1-30	STOP	2.50	2.50	17.50			17.50	6.25	0.00	0.00
8 OF 25	FRONTAGE RD	622+05	RIGHT	D3-4212,	2 EACH BACK TO BACK, STREET NAME SIGNS	3.50	1.00	17.11			17.11	7.00	0.00	0.00
				D3-3612	2 EACH BACK TO BACK, STREET NAME SIGNS	3.00	1.00					6.00	0.00	0.00
									SUBTOTAL	2.00	764.50	153.71	238.00	60.00

SIGNING SHEET 4 OF 25

REVISIONS NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS
REGULATORY AND WARNING SIGNS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 4 REG_WARN 1
PLOT DATE = 12/2/2008
FILE NAME = C:\PW_Export\C-1585DN.dgn
PLOT SCALE = 1.000 ' / in.
USER NAME = Johna60944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = E:\DRWG\MOUNT1
PLOT DATE = 11/25/2008
FILE NAME = E:\PW_Exports\C-15B50N.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns82944

LAYOUT	MQC	02/09/06
DRAWN	MQC	02/09/06
REVIEWED	MLT	10/7/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	236
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS - GROUND MOUNTED SIGNS

SIGN PLAN SHEET NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT RIGHT)	SIGN CODE	SIGN NUMBER	PANEL WIDTH FEET	PANEL HEIGHT FEET	POST ONE LENGTH LF	POST TWO LENGTH LF	WIDE FLANGE W6x15 LBS	WIDE FLANGE W8x18 LBS	WIDE FLANGE W10x22 LBS	WIDE FLANGE W14x30 LBS	WIDE FLANGE W14x38 LBS	WIDE FLANGE W16x45 LBS	CONC FND CY	REINFORCEMENT BARS LBS	SIGN PANEL TYPE 3 SF
8 OF 25	I-80 WB	19+60	RIGHT	GUIDE	10	10.50	15.50	30.58	32.28				1,885.80			3.80	226.00	162.75
8 OF 25	RAMP J	309+25	RIGHT	CAMPING	11	12.50	8.00	20.97	20.82		752.22					1.40	156.00	100.00
8 OF 25	RAMP J	311+25	RIGHT	LODGING	11A	12.50	8.00	21.06	22.93		791.82					1.40	156.00	100.00
8 OF 25	RAMP J	313+75	RIGHT	FOOD	12	12.50	8.00	20.74	22.61		780.30					1.40	156.00	100.00
8 OF 25	RAMP J	315+75	RIGHT	GUIDE	13	14.50	15.00	28.84	31.01					2,274.30		4.18	244.00	217.50
8 OF 25	RAMP J	317+75	RIGHT	GAS	14	12.50	8.00	20.83	22.71		783.72					1.40	156.00	100.00
8 OF 25	RAMP K	399+70	RIGHT	GUIDE	5	8.00	13.00	23.69	22.64		833.94					1.40	156.00	104.00
8 OF 25	RAMP K	408+50	RIGHT	CAMPING	6	12.50	8.00	20.97	18.55		711.36					1.40	156.00	100.00
8 OF 25	RAMP K	410+50	RIGHT	LODGING	6A	12.50	8.00	20.08	17.58	564.90						1.40	156.00	100.00
8 OF 25	RAMP K	413+50	RIGHT	FOOD	7	12.50	8.00	20.74	22.61		780.30					1.40	156.00	100.00
8 OF 25	RAMP K	415+50	RIGHT	GUIDE	8	14.50	12.50	25.84	28.01				1,615.50			3.80	226.00	181.25
8 OF 25	RAMP K	417+50	RIGHT	GAS	9	12.50	8.00	20.74	22.61		780.30					1.40	156.00	100.00
8 OF 25	IL 178	109+25	RIGHT	GUIDE	1	16.50	18.00	32.67	35.97						3,088.80	4.46	260.00	297.00
8 OF 25	IL 178	111+50	LEFT	GUIDE	2	10.50	10.50	23.47	25.67			1,081.08				2.36	184.00	110.25
8 OF 25	IL 178	118+80	RIGHT	GUIDE	3	14.50	13.00	26.20	29.10				1,659.00			3.80	226.00	188.50
8 OF 25	IL 178	120+50	LEFT	GUIDE	4	17.00	18.00	32.70	36.10						3,096.00	4.46	260.00	306.00
									SUBTOTAL	564.90	6,213.96	1,081.08	5,160.30	2,274.30	6,184.80	39.46	3,030.00	2,367.25

BILL OF MATERIALS - RELOCATED SIGNS

SIGN PLAN SHEET NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT RIGHT)	DESCRIPTION	PANEL WIDTH FEET	PANEL HEIGHT FEET	POST ONE LENGTH LF	POST TWO LENGTH LF	WOOD SIGN SUPPORT 6x6 LF	REMOVE SIGN PANEL ASSEMBLY TYPE A EACH	REMOVE SIGN PANEL ASSEMBLY TYPE B EACH	REMOVE SIGN PANEL TYPE 1 SF	REMOVE SIGN PANEL TYPE 2 SF	REMOVE SIGN PANEL TYPE 3 SF	RELOCATE SIGN PANEL ASSEMBLY TYPE A EACH	RELOCATE SIGN PANEL ASSEMBLY TYPE B EACH	RELOCATE SIGN PANEL TYPE 1 SF	RELOCATE SIGN PANEL TYPE 2 SF	RELOCATE SIGN PANEL TYPE 3 SF	SIGN PANEL AREA SF
9 OF 25	IL 178	90+53	RIGHT	STOP	3.00	3.00	15.46		15.46		1.00					1.00				9.00
				ALL WAY	1.50	0.75														1.13
9 OF 25	IL 178	90+68	RIGHT	2 EACH BACK TO BACK, STREET NAME SIGNS	2.00	0.50	12.83		12.83	1.00					1.00					2.00
				2 EACH BACK TO BACK, STREET NAME SIGNS	2.00	0.50														2.00
9 OF 25	IL 178	90+79	LEFT	STOP	3.00	3.00	15.64		15.64		1.00					1.00				9.00
				ALL WAY	1.50	0.75														1.13
9 OF 25	IL 178	90+79	LEFT	ILLINOIS 178	2.00	2.00	15.60		15.60	1.00					1.00					4.00
				ARROW	1.50	1.25														1.88
9 OF 25	IL 178	90+79	LEFT	ROUTE 6	2.00	2.00	16.35		16.35	1.00					1.00					4.00
				ARROW	1.50	1.25														1.88
9 OF 25	IL 178	92+45	LEFT	UTICA, OTTAWA, LA SALLE	5.00	4.00	19.31	20.06	39.37		1.00					1.00				20.00
				TOURIST INFORMATION	3.00	2.00														6.00
				I & M CANAL	2.00	2.00														4.00
				INFO	2.00	1.00														2.00
9 OF 25	IL 178	92+45	RIGHT	NORTH	2.00	1.00	15.10		15.10	1.00					1.00					2.00
				ILLINOIS 178	2.00	2.00														4.00
9 OF 25	IL 178	92+45	RIGHT	CRIME STOPPERS (ON LIGHT POLE)	2.00	2.00	13.90		13.90			4.00					4.00			4.00
9 OF 25	IL 178	94+50	LEFT	UTICA 1000	4.00	2.50	14.26	14.82	29.08				10.00					10.00		10.00
9 OF 25	IL 178	95+36	LEFT	STARVED ROCK, BUFFALO ROCK, MATTHIESSEN	7.00	4.00	19.04	20.09	39.13					28.00					28.00	28.00
				GRAND BEAR LODGE	2.00	1.50						3.00					3.00			3.00
				ARROW	1.75	1.25						2.19					2.19			2.19
9 OF 25	IL 178	96+55	RIGHT	TRUCK	3.00	3.00	18.82		18.82				9.00					9.00		9.00
9 OF 25	IL 178	96+55	RIGHT	DIVIDED HIGHWAY	3.00	3.00	17.07		17.07				9.00					9.00		9.00
9 OF 25	IL 178	98+06	LEFT	JCT	2.50	1.25	19.15		19.15		1.00					1.00				3.13
				ROUTE 6	3.00	3.00														9.00
9 OF 25	IL 178	99+65	RIGHT	STOP AHEAD	3.00	3.00	19.39		19.39				9.00					9.00		9.00
9 OF 25	IL 178	99+65	LEFT	STOP AHEAD	3.00	3.00	19.39		19.39				9.00					9.00		9.00
								SUBTOTAL	306.28	4.00	4.00	9.19	46.00	28.00	4.00	4.00	9.19	46.00	28.00	0.00

SIGNING SHEET 5 OF 25

REVISIONS NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS
GROUND MOUNTED SIGNS
& RELOCATED SIGNS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
CHECKED	MLT	10/17/07
REVISIONED		

MODEL NAME = EL OVERHEADS
PLOT DATE = 10/25/2007
FILE NAME = C:\PW_Export\C-15R50N.dgn
PLOT SCALE = 1.000 ' / in.
USER NAME = Johnson00144

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	237
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BILL OF MATERIALS - OVERHEAD SIGNS

SIGN PLAN SHEET NUMBER	ALIGNMENT NAME	STATION	LOCATION	SIGN CODE	SIGN NUMBER	PANEL WIDTH (FEET)	PANEL HEIGHT (FEET)	SIGN PANEL TYPE 3 SF	OVERHEAD SIGN STRUCTURE SPAN TYPE 1-A (4'-0"X 4'-6" FT	OVERHEAD SIGN STRUCTURE WALKWAY FT	DRILLED SHAFT CONCRETE FOUNDATIONS CU. YD.	STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE SPAN EACH
8 OF 25	I-80 WB	897+75	LEFT	SPAN	SPAN SIGN 15	27.50	15.00	412.50	80.00	32.00	12.60	2.00
							SUBTOTAL	412.50	80.00	32.00	12.60	2.00

SIGNING SHEET 6 OF 25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
BILL OF MATERIALS
OVERHEAD SIGNS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

CONTRACT NO 66542

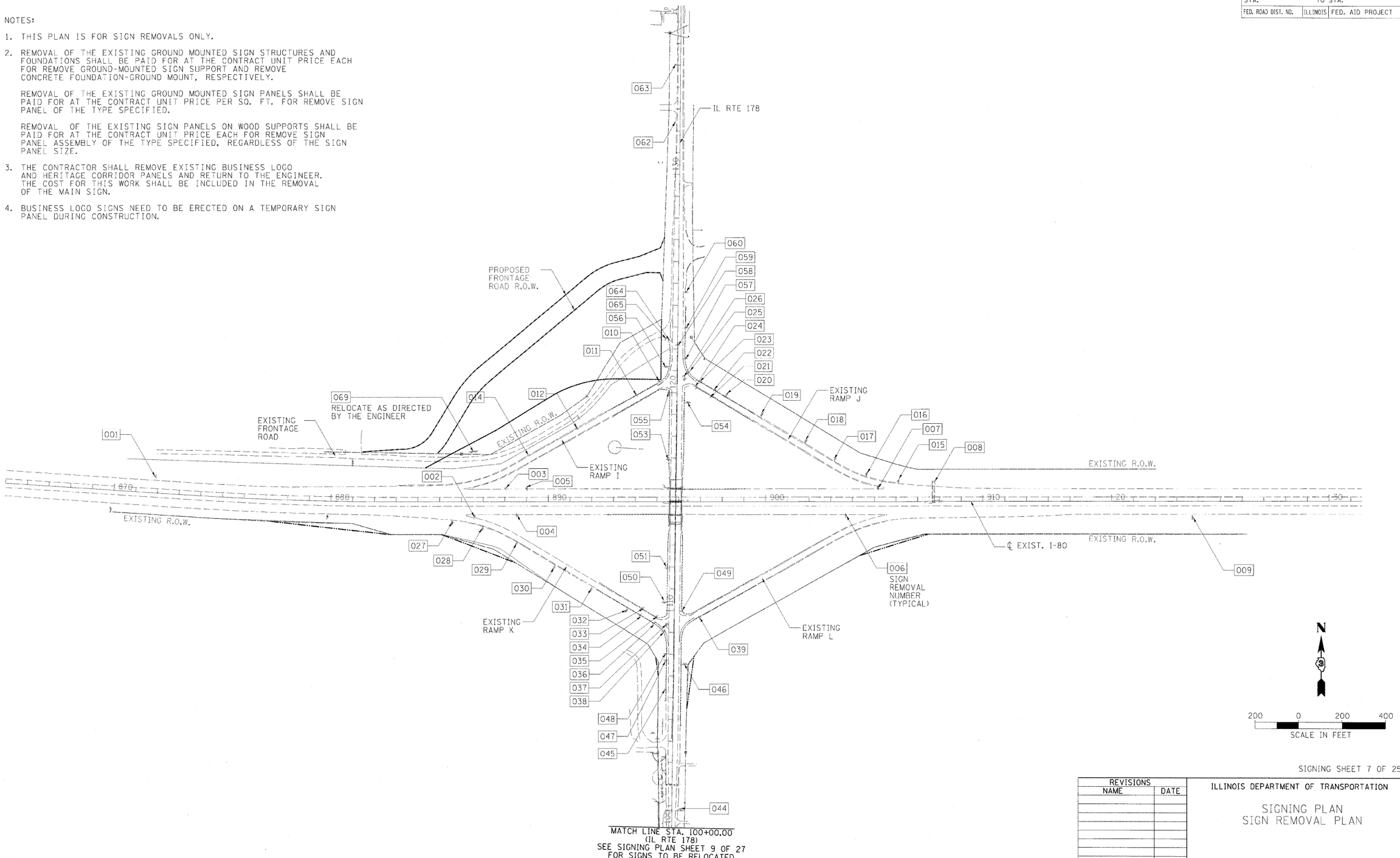
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	238
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. THIS PLAN IS FOR SIGN REMOVALS ONLY.
2. REMOVAL OF THE EXISTING GROUND MOUNTED SIGN STRUCTURES AND FOUNDATIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE GROUND-MOUNTED SIGN SUPPORT AND REMOVE CONCRETE FOUNDATION-GROUND MOUNT, RESPECTIVELY.

   REMOVAL OF THE EXISTING GROUND MOUNTED SIGN PANELS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. FOR REMOVE SIGN PANEL OF THE TYPE SPECIFIED.

   REMOVAL OF THE EXISTING SIGN PANELS ON WOOD SUPPORTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE SIGN PANEL ASSEMBLY OF THE TYPE SPECIFIED, REGARDLESS OF THE SIGN PANEL SIZE.
3. THE CONTRACTOR SHALL REMOVE EXISTING BUSINESS LOGO AND HERITAGE CORRIDOR PANELS AND RETURN TO THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE REMOVAL OF THE MAIN SIGN.
4. BUSINESS LOGO SIGNS NEED TO BE ERECTED ON A TEMPORARY SIGN PANEL DURING CONSTRUCTION.



N

200 0 200 400
SCALE IN FEET

SIGNING SHEET 7 OF 25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN REMOVAL PLAN

SCALE: VERT.
HORIZ. 1"=200'
DATE

DRAWN BY MQC
CHECKED BY MLT

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

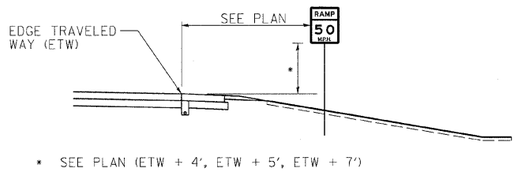
MODEL NAME = 7 SignPlan
PLOT DATE = 2/5/2008
FILE NAME = C:\PW_Export\1C-1580SIGN.dgn
PLOT SCALE = 200.00 ' / in.
USER NAME = Johns087944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	239
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:
1. ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CURRENT ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY ALL POST LENGTHS REQUIRED PRIOR TO ORDERING.
3. PROVIDE 12"x12" SQUARE BLOCKOUTS FOR SIGNS LOCATED IN ISLANDS OR MEDIANS.



* SEE PLAN (ETW + 4', ETW + 5', ETW + 7')

TYPICAL GROUND MOUNTED SIGN INSTALLATION

SIGN 4
IL 178
STA. 120+50
18' RT. ETW
ETW + 7'
W16x45

W6-1-36
STA. 135+00
18' RT. ETW
ETW + 7'
WOOD POST 6x6

JCT M2-1I-2115
M1-1-24
STA. 132+25
18' RT. ETW
ETW + 7'
WOOD POST 6x6

R4-7-2430
STA. 131+07
1' FACE CURB
TOP CURB + 7'
WOOD POST 6x6
SEE NOTE 3.

W 3029TH RD
E 8TH RD
(2)D3-4212
(2)D3-3612
STA. 622+05
18' RT. ETW
ETW + 7'
WOOD POST 6x6

STOP R1-1-30
STA. 621+60
6' EDGE SHLDR
ETW + 7'
WOOD POST 6x6

USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC
BUCKLE UP
R5-I100-4860
STA. 201+30
18' RT. ETW
ETW + 7'
WOOD POST 6x6

W3-1-30
STA. 616+60
18' RT. ETW
ETW + 7'
WOOD POST 6x6

SOUTH ILLINOIS 178
M3-3-2412
M1-I100-3024
M6-1L-2115
STA. 119+35
18' RT. ETW
ETW + 7'
WOOD POST 6x6
FACE SIGN TO RAMP J

W4-1-48
STA. 885+05
16' RT. ETW
WOOD POST 6x6

MILE 81
D10-5-1236
STA. 889+00 RT
STA. 889+00 LT
2' RT. EDGE SHOULDER
ETW + 4'
TYPE A

WEST INTERSTATE 80
M3-4I-3015
M1-1-36
STA. 867+60
35' RT. ETW
ETW + 5'
WOOD POST 6x6

EAST INTERSTATE 80
M3-4I-2412
M1-1-24
M5-1L-2115
STA. 117+00
BEHIND GUARDRAIL
ETW + 7'
WOOD POST 6x6

R3-I100-2424
STA. 116+30
2' FACE CURB
TOP CURB + 7'
WOOD POST 6x6

LEFT TURN LANE

PROP. RAMP I

PROPOSED FRONTAGE ROAD

SIGN 4

SIGN 3

DO NOT ENTER
R5-1-36
STA. 319+10
12' ETW
ETW + 7'
WOOD POST 6x6

IL RTE 178

M4-6-2412
M1-I100-3024
STA. 123+00
END ILLINOIS 178
18' RT. ETW
ETW + 7'
WOOD POST 6x6

R3-I100-2424
STA. 121+40
LEFT TURN LANE
2' FACE CURB
TOP CURB + 7'
WOOD POST 6x6
SEE NOTE 3.

R6-1L-3612
R6-1R-3612
R1-1-36
R6-3A-2418
STA. 319+84
ONE WAY ONE WAY
STOP
DIVIDED HIGHWAY
2' FACE CURB
TOP CURB + 7'
WOOD POST 6x6
SEE NOTE 3.

R1-1-36
STA. 319+72
6' EDGE SHLDR
ETW + 7'
WOOD POST 6x6
STOP

R5-1A-3624
STA. 318+35
12' ETW
ETW + 7'
WOOD POST 6x6
WRONG WAY

SIGN 14
PROPOSED RAMP J
SIGN 13
SIGN 12
SIGN 11A
SIGN 11

W3-1-36
STA. 312+50
18' RT. ETW
ETW + 7'
WOOD POST 6x6

EXIT 81
F5-1A-7260
STA. 905+96
ETW + 7'
WOOD POST 6x6

RAMP 50 MPH
W13-3-4860
STA. 306+50
18' RT. ETW
ETW + 7'
WOOD POST 6x6

EXIT 79A | EXIT 79B
SOUTH Bloomington Normal
NORTH Rockford
2 MILES
SIGN 15
3S05OI080L081.2
I-80
STA. 897+75

WEST Moline Rock Island
SIGN 3
IL 178
STA. 118+80
18' RT. ETW
ETW + 7'
W14x30

GAS
SIGN 14
RAMP J
STA. 317+75
18' RT. ETW
ETW + 7'
W8x18

Utica
La Salle
Starved Rock State Park
IL Waterway Visitor Center INFO
SIGN 13
RAMP J
STA. 315+75
18' RT. ETW
ETW + 7'
W14x38

FOOD
SIGN 12
RAMP J
STA. 313+75
18' RT. ETW
ETW + 7'
W8x18

LODGING
SIGN 11A
RAMP J
STA. 311+25
18' RT. ETW
ETW + 7'
W8x18

CAMPING
SIGN 11
RAMP J
STA. 309+25
33.6' RT. ETW
ETW + 7'
W8x18

EXIT 81 ILLINOIS 178 Utica La Salle
SIGN 10
I-80
STA. 19+60
35' RT. ETW
ETW + 5'
W14x30

PROPOSED RAMP K
SIGN 6
SIGN 6A
SIGN 7
SIGN 8
SIGN 9
SIGN 2
SIGN 15
℄ EXIST. I-80
PROPOSED RAMP L
SIGN 1

EXIT 81 ILLINOIS 178 Utica
SIGN 5
RAMP K
STA. 399+70
35' RT. ETW
ETW + 5'
W8x18

RAMP 50 MPH
W13-3-4860
STA. 406+50
18' RT. ETW
ETW + 7'
WOOD POST 6x6

EXIT 81
E5-1A-7260
STA. 885+21
ETW + 7'
WOOD POST 6x6

W3-1-36
STA. 411+75
18' RT. ETW
ETW + 7'
WOOD POST 6x6

WRONG WAY
R5-1A-3624
STA. 418+00
12' ETW
ETW + 7'
WOOD POST 6x6

WEST INTERSTATE 80
M3-4I-2412
M1-1-24
M5-1L-2115
STA. 113+00
BEHIND GUARDRAIL
ETW + 7'
WOOD POST 6x6

USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC
BUCKLE UP
R5-I100-4860
STA. 501+37
18' RT. ETW
ETW + 7'
WOOD POST 6x6

W4-1-48
STA. 906+80
16' RT. ETW
ETW + 7'
WOOD POST 6x6

EAST INTERSTATE 80
M3-2I-3015
M1-1-36
STA. 28+20
35' RT. ETW
ETW + 5'
WOOD POST 6x6

DO NOT ENTER
R5-1-36
STA. 418+75
12' ETW
ETW + 7'
WOOD POST 6x6

ONE WAY ONE WAY
STOP
DIVIDED HIGHWAY
R6-1L-3612
R6-1R-3612
R1-1-36
R6-3A-2418
STA. 419+62
2' FACE CURB
TOP CURB + 7'
WOOD POST 6x6
SEE NOTE 3.

STOP R1-1-36
STA. 419+45
6' EDGE SHLDR
ETW + 7'
WOOD POST 6x6

R4-7-2430
STA. 105+02
1' FACE CURB
TOP CURB + 7'
WOOD POST 6x6
SEE NOTE 3.

SOUTH ILLINOIS 178
M3-3-2412
M1-I100-3024
STA. 107+00
18' RT. ETW
ETW + 7'
WOOD POST 6x6

M2-1I-2115
M1-1-24
STA. 100+85
18' RT. ETW
ETW + 7'
WOOD POST 6x6
JCT

W11-10-36
STA. 105+00
18' RT. ETW
ETW + 7'
WOOD POST 6x6

MATCH LINE STA. 100+00.00
(IL RTE 178)

CAMPING
SIGN 6
RAMP K
STA. 408+50
33.3' RT. ETW
ETW + 7'
W8x18

LODGING
SIGN 6A
RAMP K
STA. 410+50
30.6' RT. ETW
ETW + 7'
W6x15

FOOD
SIGN 7
RAMP K
STA. 413+50
18' RT. ETW
ETW + 7'
W8x18

Utica
Starved Rock State Park
IL Waterway Visitor Center INFO
SIGN 8
RAMP K
STA. 415+50
18' RT. ETW
ETW + 7'
W14x30

GAS
SIGN 9
RAMP K
STA. 417+50
18' RT. ETW
ETW + 7'
W8x18

EAST Joliet
SIGN 2
IL 178
STA. 111+50
18' RT. ETW
ETW + 7'
W10x22

WEST Moline Rock Island
EAST Joliet
SIGN 1
IL 178
STA. 109+25
18' RT. ETW
ETW + 7'
W16x45

N

200 0 200 400
SCALE IN FEET

SIGNING SHEET 8 OF 25

REVISIONS	
NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING PLAN

SCALE: VERT.
HORIZ. 1"=200'
DATE
DRAWN BY MQC
CHECKED BY MLT

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 8 SIGN PLAN
PLOT DATE = 25 JAN 2009
FILE NAME = C:\PW_Export\SC-1SIGN.dgn
PLOT SCALE = 200.00 '/ in.
USER NAME = Johns809344

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

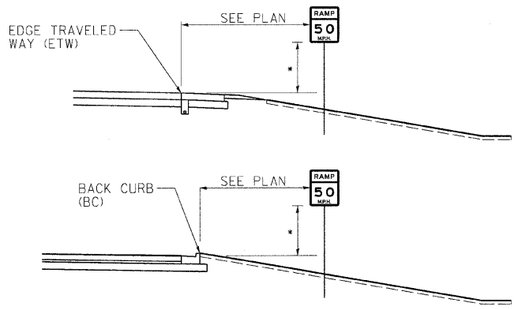
MODEL NAME = 9 SIGN PLAN
PLOT DATE = 12/31/2009
FILE NAME = C:\PW_Export\IC-1582SDN.dgn
PLOT SCALE = 200.00 '/ in.
USER NAME = Jamie82944

LAYOUT	MQC	08/21/06
DRAWN	MQC	08/21/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

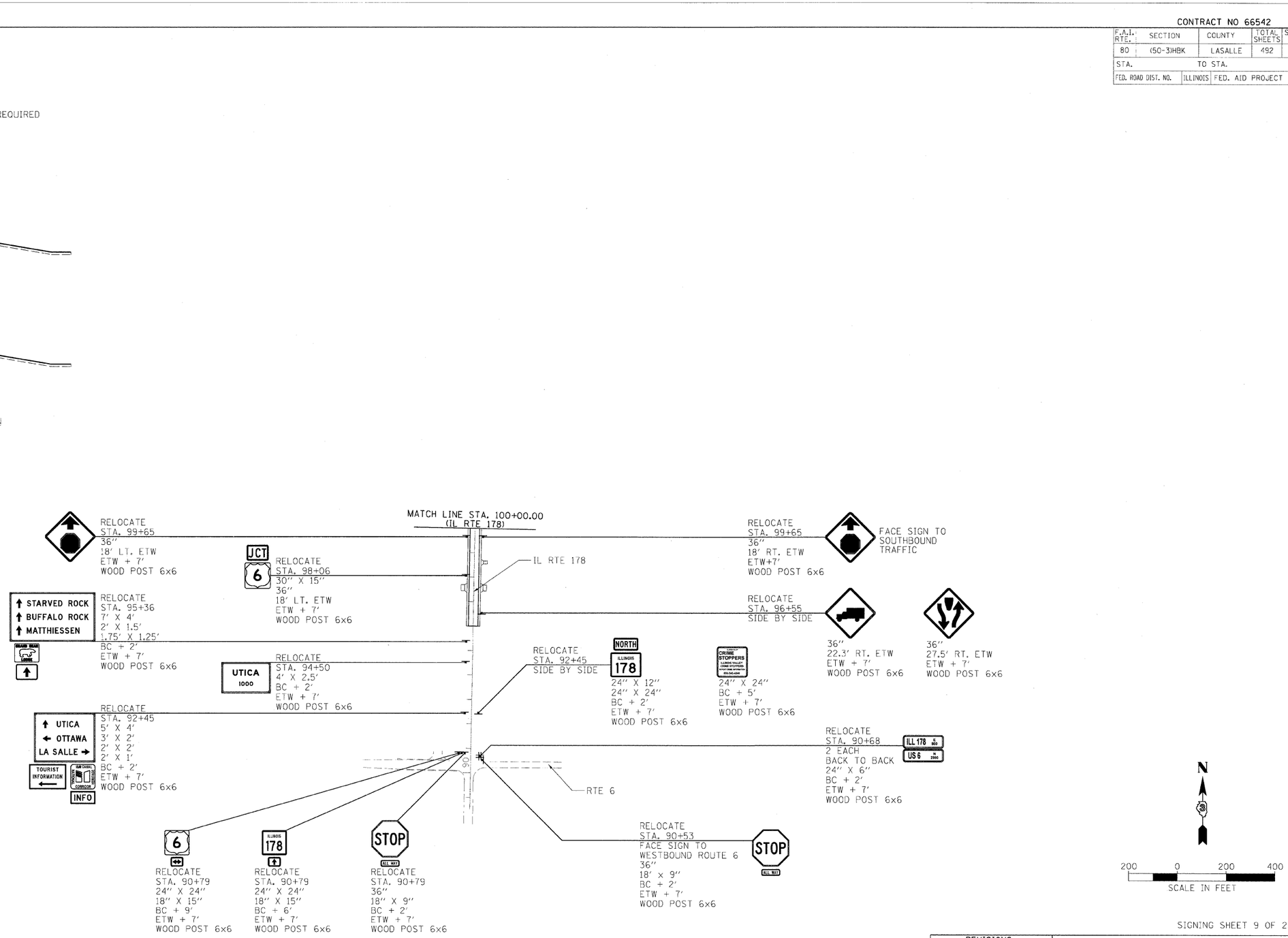
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	240
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:
1. THIS PLAN IS FOR SIGN RELOCATIONS ONLY.
2. THE CONTRACTOR SHALL VERIFY ALL POST LENGTHS REQUIRED PRIOR TO ORDERING.



* SEE PLAN (ETW + 4', ETW + 5', ETW + 7')

TYPICAL GROUND MOUNTED SIGN INSTALLATION



SIGNING SHEET 9 OF 25

REVISIONS NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN

SCALE: VERT.
HORIZ. 1"=200'
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

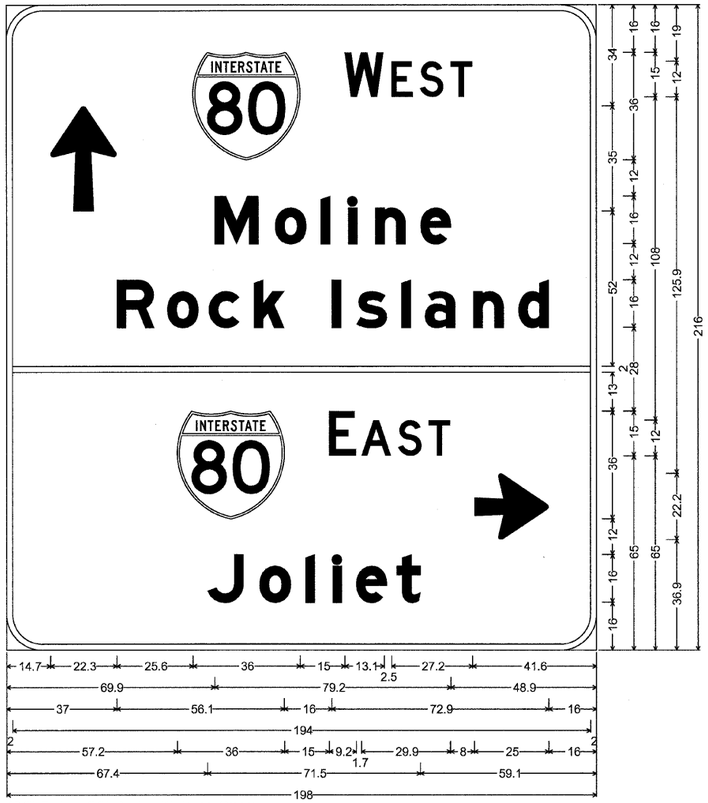
MODEL NAME = HR SignGen 1
PLOT DATE = 12/21/2009
FILE NAME = C:\Pw_Export\D-1503GN.dgn
PLOT SCALE = 1.20 ' / in.
USER NAME = Johns80944

AYOUT	MOC	02/08/06
DRAWN	MOC	02/08/06
REVIEWED	MLT	12/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	241
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

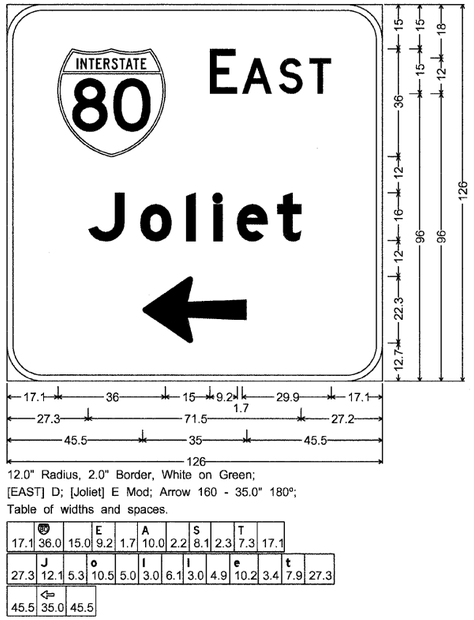
SIGN 1
IL 178
STA. 109+25



12.0" Radius, 2.0" Border, White on Green;
Arrow 160 - 35.0" 90°; [WEST] D; [Moline] E Mod; [Rock Island] E Mod; [EAST] D; [Joliet] E Mod;
Arrow 160 - 25.0" 0°;
Table of widths and spaces.

14.7	⇧ 22.3	25.6	36.0	15.0	W 13.1	2.5	E 7.3	2.3	S 8.1	2.3	T 7.3	41.6		
69.9	M 14.7	5.5	o 10.5	4.9	l 3.0	6.1	l 3.0	6.2	n 10.2	4.9	e 10.2	48.9		
37.0	R 12.7	4.2	o 10.5	3.4	c 10.2	5.0	k 10.1	16.0	l 3.2	5.2	s 10.1	4.9	l 3.0	4.9	a 10.1	6.2	n 10.2	4.9	d 10.2	16.0
2.0	194.0	2.0												
57.2	36.0	15.0	E 9.2	1.7	A 10.0	2.2	S 8.1	2.3	T 7.3	8.0	⇨ 25.0	16.0		
67.4	J 12.1	5.4	o 10.5	4.9	l 3.0	6.1	l 3.0	4.9	e 10.2	3.4	t 8.0	59.1		

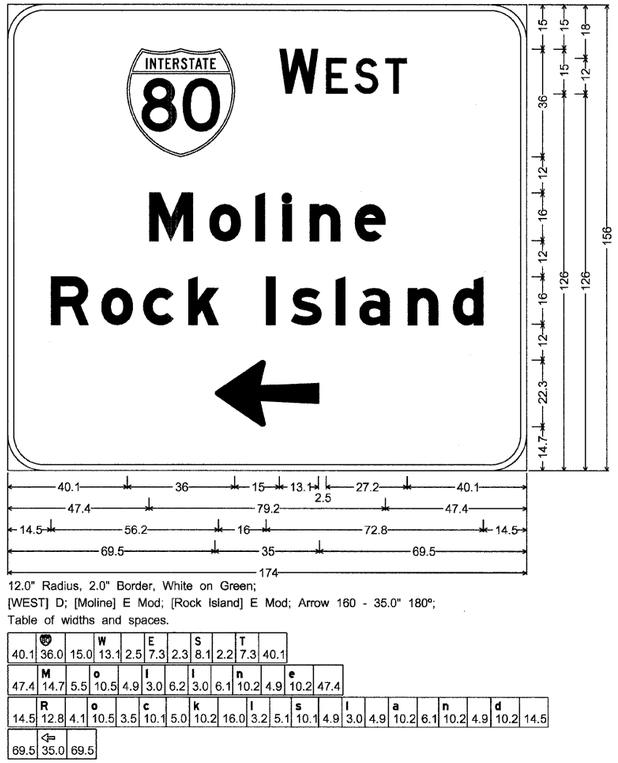
SIGN 2
IL 178
STA. 111+50



12.0" Radius, 2.0" Border, White on Green;
[EAST] D; [Joliet] E Mod; Arrow 160 - 35.0" 180°;
Table of widths and spaces.

17.1	36.0	15.0	E 9.2	1.7	A 10.0	2.2	S 8.1	2.3	T 7.3	17.1				
27.3	J 12.1	5.3	o 10.5	5.0	l 3.0	6.1	l 3.0	4.9	e 10.2	3.4	t 7.9	27.3		
45.5	⇦ 35.0	45.5												

SIGN 3
IL 178
STA. 118+80



12.0" Radius, 2.0" Border, White on Green;
[WEST] D; [Moline] E Mod; [Rock Island] E Mod; Arrow 160 - 35.0" 180°;
Table of widths and spaces.

40.1	36.0	15.0	W 13.1	2.5	E 7.3	2.3	S 8.1	2.2	T 7.3	40.1										
47.4	M 14.7	5.5	o 10.5	4.9	l 3.0	6.2	l 3.0	6.1	n 10.2	4.9	e 10.2	47.4								
14.5	R 12.8	4.1	o 10.5	3.5	c 10.1	5.0	k 10.2	16.0	l 3.2	5.1	s 10.1	4.9	l 3.0	4.9	a 10.2	6.1	n 10.2	4.9	d 10.2	14.5
69.5	⇦ 35.0	69.5																		

SIGNING SHEET 10 OF 25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE: VERT.
HORIZ. N.T.S.
DATE

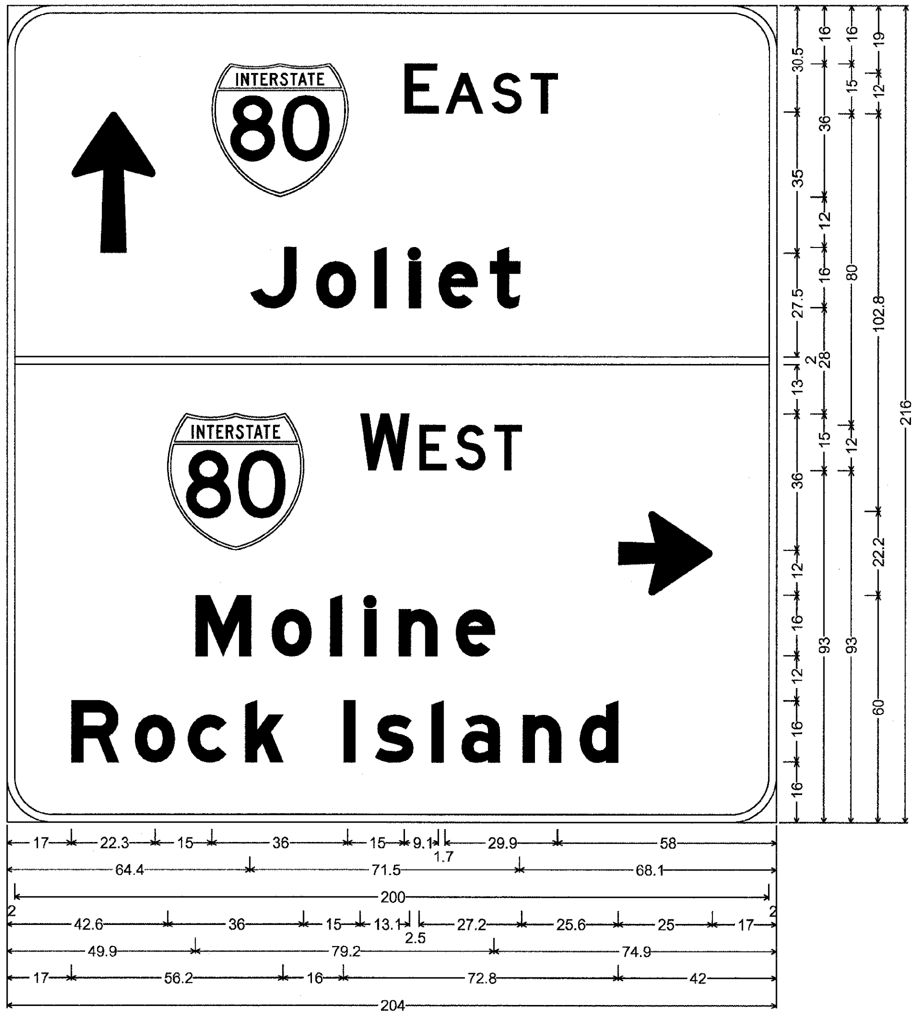
DRAWN BY MOC
CHECKED BY MLT

NOTE: ALL DIMENSIONS ARE IN INCHES.

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	242
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN 4
IL 178
STA. 120+50



12.0" Radius, 2.0" Border, White on Green;
Arrow 160 - 35.0" 90°; [EAST] D; [Joliet] E Mod; [WEST] D; [Moline] E Mod; [Rock Island] E Mod;
Arrow 160 - 25.0" 0°;
Table of widths and spaces.

17.0	⇧ 22.3	15.0	(I-80) 36.0	15.0	E 9.1	1.7	A 10.0	2.3	S 8.0	2.3	T 7.3	58.0

64.4	J 12.1	5.4	o 10.5	4.9	l 3.0	6.1	l 3.0	4.9	e 10.2	3.4	t 8.0	68.1

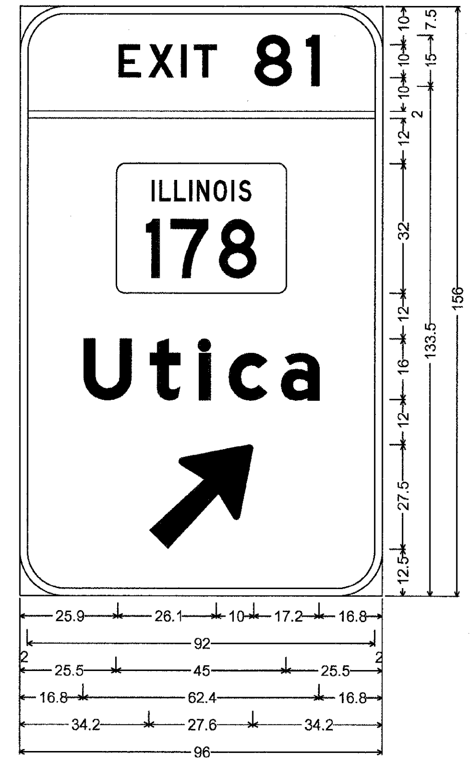
2.0	— 200.0	2.0

42.6	(I-80) 36.0	15.0	W 13.1	2.5	E 7.3	2.3	S 8.1	2.2	T 7.3	25.6	⇨ 25.0	17.0

49.9	M 14.7	5.5	o 10.5	4.9	l 3.0	6.2	l 3.0	6.1	n 10.2	4.9	e 10.2	74.9

17.0	R 12.8	4.1	o 10.5	3.5	c 10.1	5.0	k 10.2	16.0	I 3.2	5.1	s 10.1	4.9	l 3.0	4.9	a 10.2	6.1	n 10.2	4.9	d 10.2	42.0

SIGN 5
RAMP K
STA. 399+70



12.0" Radius, 2.0" Border, White on Green;
[EXIT 81] D; [Utica] E Mod;
Arrow 160 - 35.0" 45°;
Table of widths and spaces.

25.9	E 6.1	1.9	X 6.7	1.9	I 1.5	1.9	T 6.1	10.0	8 10.1	3.5	1 3.6	16.8

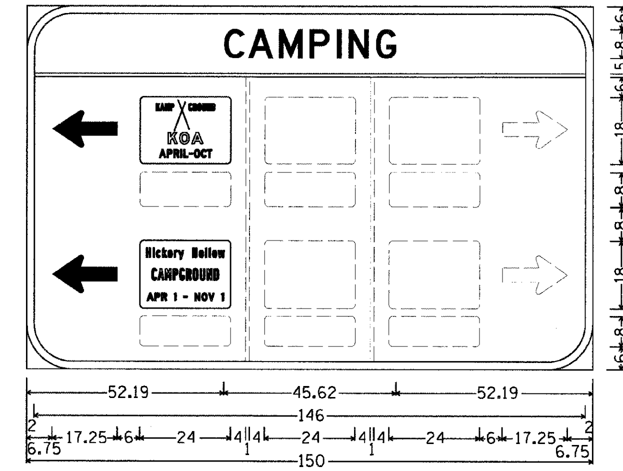
2.0	— 92.0	2.0

25.5	(IL 178) 45.0	25.5

16.8	U 12.7	4.8	t 8.0	5.0	i 3.0	4.9	c 10.2	3.7	a 10.1	16.8

34.2	⇗ 27.6	34.2

SIGN 6
RAMP K
STA. 408+50



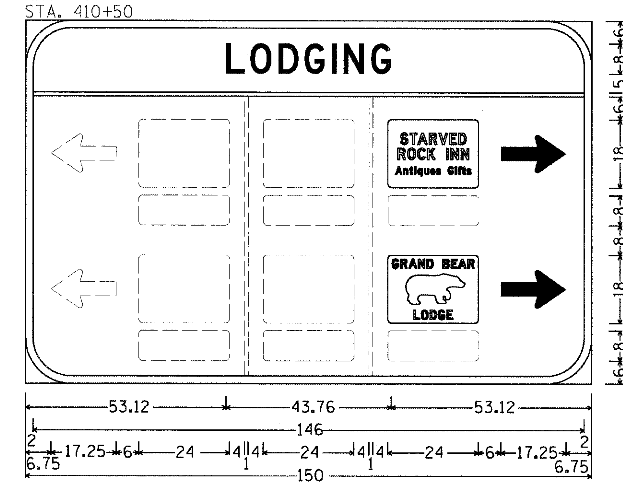
12.00" Radius, 2.00" Border, White on Blue;
[CAMPING] D;

Table of widths and spaces.

52.19	C 5.37	1.00	A 6.69	1.50	M 6.19	1.87	P 5.38	1.87	I 1.25	1.88	N 5.37	1.88	G 5.37	52.19

2.00	— 146.00	2.00

SIGN 6A
RAMP K
STA. 410+50



12.00" Radius, 2.00" Border, White on Blue;
[LODGING] D;

Table of widths and spaces.

53.12	L 4.88	1.50	O 5.62	1.88	D 5.37	1.50	G 5.38	1.88	I 1.25	1.87	N 5.38	1.87	G 5.38	53.12

2.00	— 146.00	2.00

NOTE: ALL DIMENSIONS ARE IN INCHES.

REVISIONS	
NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE: VERT. HORIZ. N.T.S.
DATE
DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

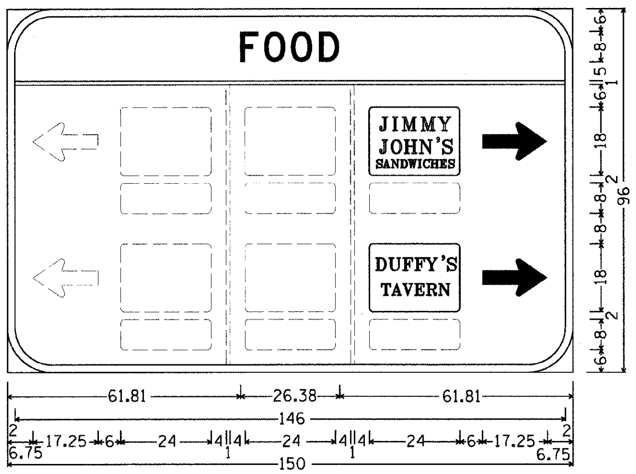
MODEL NAME = 11 SignDet 2
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	243
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN 7
RAMP K
STA. 413+50



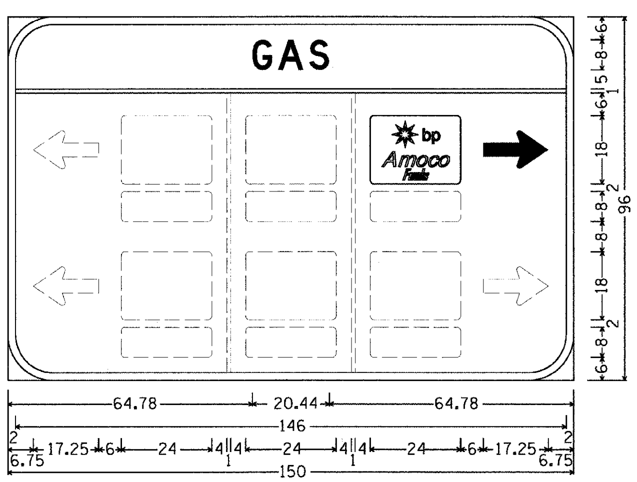
12.00" Radius, 2.00" Border, White on Blue;
[FOOD] D;

Table of widths and spaces.

61.81	F 4.88	1.50	O 5.62	1.50	O 5.63	1.87	D 5.38	61.81

2.00	— 146.00	2.00

SIGN 9
RAMP K
STA. 417+50



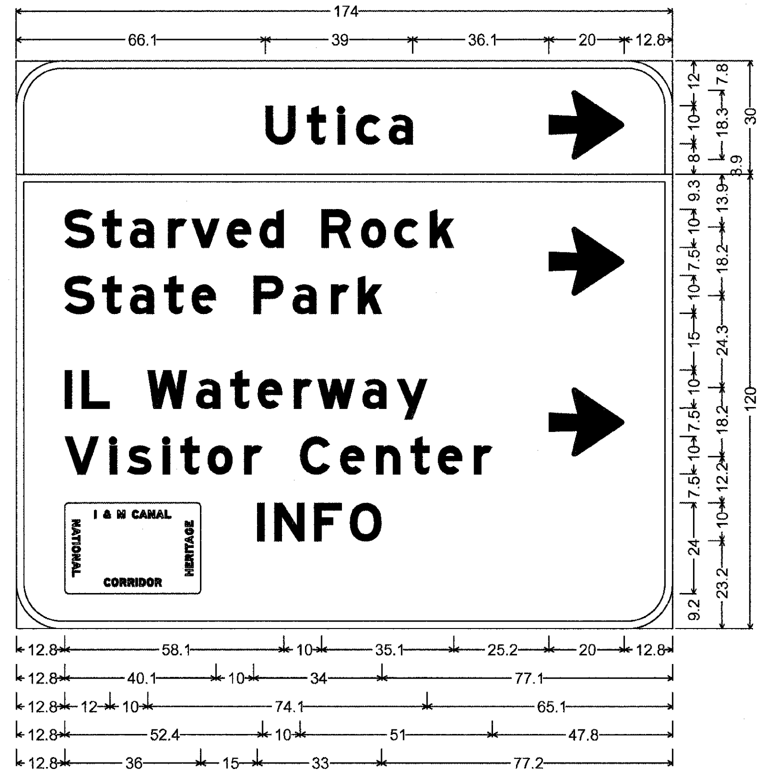
12.00" Radius, 2.00" Border, White on Blue;
[GAS] D;

Table of widths and spaces.

64.78	G 5.38	1.50	A 6.68	1.50	S 5.38	64.78

2.00	— 146.00	2.00

SIGN 8
RAMP K
STA. 415+50



12.0" Radius, 2.0" Border, White on Green;
[Utica] E Mod; Arrow 133 - 20.0" 0°;
12.0" Radius, 2.0" Border, White on Brown;
[Starved Rock] E Mod; [State Park] E Mod; Arrow 133 - 20.0" 0°; [IL Waterway] E Mod;
[Visitor Center] E Mod; Arrow 133 - 20.0" 0°; I & M CANAL; [INFO] E Mod;
Table of widths and spaces.

66.1	U 8.0	2.9	t 5.0	3.2	i 1.9	3.0	c 6.4	2.3	a 6.3	36.1	⇨ 20.0	12.8

12.8	S 8.0	2.1	t 5.0	2.2	a 6.3	3.9	r 4.9	1.2	v 7.5	1.9	e 6.4	2.3	d 6.4

10.0	R 8.0	2.6	o 6.5	2.2	c 6.3	3.2	k 6.3	25.2	⇨ 20.0	12.8

12.8	S 8.0	2.1	t 5.0	2.2	a 6.3	2.8	t 5.0	2.3	e 6.4	10.0	P 7.9	2.4	a 6.4	3.8	r 4.9	2.3	k 6.3	77.1

12.8	I 2.0	2.6	L 7.4	10.0	W 10.5	2.4	a 6.3	2.8	t 5.0	2.2	e 6.4	3.2	r 4.8	1.4	w 9.9	2.1	a 6.3	2.8	y 8.0

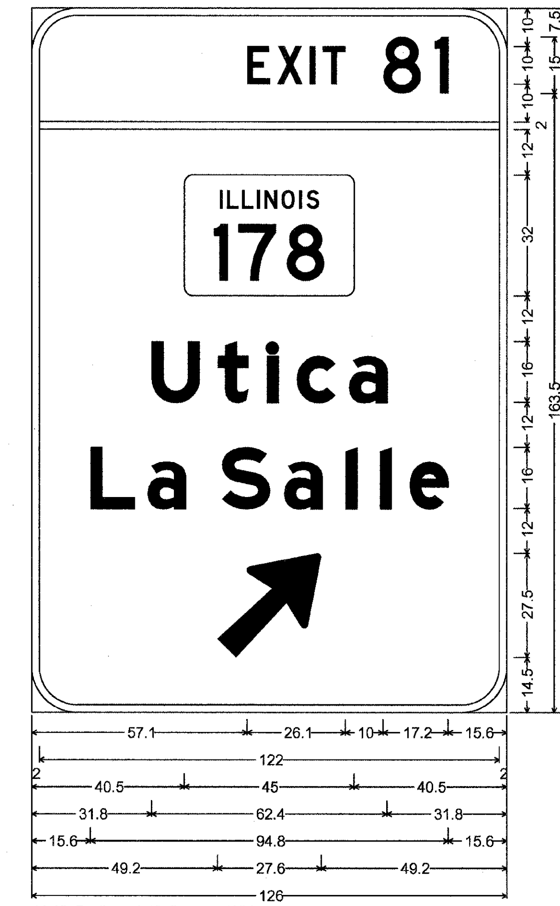
32.3	⇨ 20.0	12.8

12.8	V 9.1	2.8	i 1.9	2.8	s 6.4	3.0	i 1.9	2.8	t 5.0	2.2	o 6.6	3.1	r 4.8

10.0	C 8.0	2.7	e 6.3	3.2	n 6.4	2.8	t 5.0	2.2	e 6.4	3.1	r 4.9	47.8

12.8	36.0	15.0	I 2.0	2.6	N 8.0	2.5	F 7.5	2.0	O 8.4	77.2

SIGN 10
I-80
STA. 19+60



12.0" Radius, 2.0" Border, White on Green;
[EXIT 81] D; [Utica] E Mod; [LaSalle] E Mod;
Arrow 160 - 35.0" 45°;
Table of widths and spaces.

57.1	E 6.1	1.9	X 6.7	1.9	I 1.5	1.9	T 6.1	10.0	8 10.1	3.5	1 3.6	15.6

2.0	— 122.0	2.0

40.5	45.0	40.5

31.8	U 12.7	4.8	t 8.0	5.0	i 3.0	4.9	c 10.2	3.7	a 10.1	31.8

15.6	L 11.9	3.2	a 10.1	9.6	S 12.8	3.7	a 10.1	6.2	l 3.0	6.1	l 3.0	4.9	e 10.2	15.6

49.2	⇗ 27.6	49.2

NOTE: ALL DIMENSIONS ARE IN INCHES.

SIGNING SHEET 12 OF 25

REVISIONS	
NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE: VERT. HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

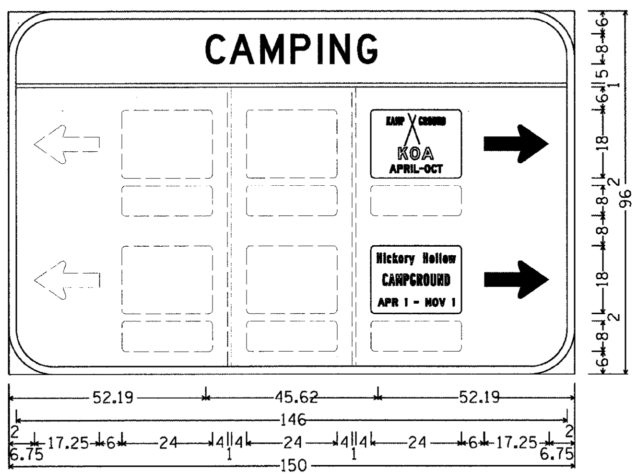
MODEL NAME = 12 SignDet 3
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	244
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN 11
RAMP J
STA. 309+25



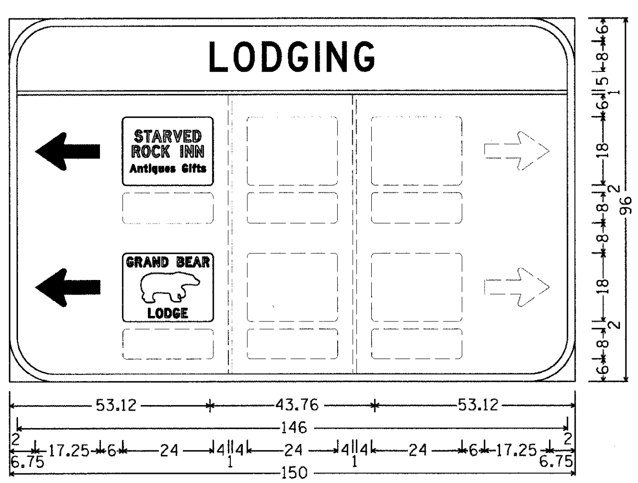
12.00" Radius, 2.00" Border, White on Blue;
[CAMPING] D;

Table of widths and spaces.

	C		A		M		P		I		N		G	
52.19	5.37	1.00	6.69	1.50	6.19	1.87	5.38	1.87	1.25	1.88	5.37	1.88	5.37	52.19

2.00	146.00	2.00

SIGN 11A
RAMP J
STA. 311+25



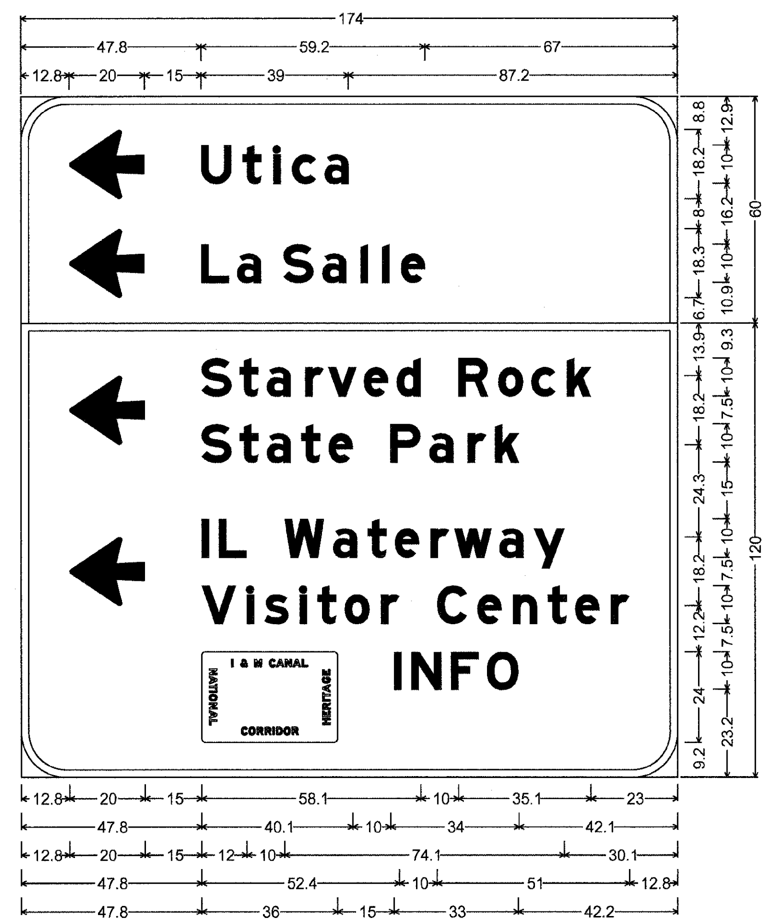
12.00" Radius, 2.00" Border, White on Blue;
[LODGING] D;

Table of widths and spaces.

	L		O		D		G		I		N		G	
53.12	4.88	1.50	5.62	1.88	5.37	1.50	5.38	1.88	1.25	1.87	5.38	1.87	5.38	53.12

2.00	146.00	2.00

SIGN 13
RAMP J
STA. 315+75



12.0" Radius, 2.0" Border, White on Green;
Arrow 133 - 20.0" 180º; [Utica] E Mod; Arrow 133 - 20.0" 180º; [LaSalle] E Mod;
12.0" Radius, 2.0" Border, White on Brown;
Arrow 133 - 20.0" 180º; [Starved Rock] E Mod; [State Park] E Mod;
Arrow 133 - 20.0" 180º; [IL Waterway] E Mod; [Visitor Center] E Mod;
I & M CANAL; [INFO] E Mod;
Table of widths and spaces.

	⇦		U		t		i		c		a	
12.8	20.0	15.0	7.9	3.0	5.0	3.2	1.8	3.1	6.3	2.4	6.3	87.2

	⇦		L		a		S		a		l		l		e	
12.8	20.0	15.0	7.4	2.0	6.3	6.0	8.0	2.3	6.4	3.8	1.9	3.8	1.9	3.1	6.3	67.0

	⇦		S		t		a		r		v		e		d
12.8	20.0	15.0	8.0	2.1	5.0	2.2	6.3	3.9	4.9	1.2	7.5	1.9	6.4	2.3	6.4

	R		o		c		k	
10.0	8.0	2.6	6.5	2.2	6.3	3.2	6.3	23.0

	S		t		a		t		e		P		a		r		k	
47.8	8.0	2.1	5.0	2.2	6.3	2.8	5.0	2.3	6.4	10.0	7.9	2.4	6.4	3.8	4.9	2.3	6.3	42.1

	⇦		I		L
12.8	20.0	15.0	2.0	2.6	7.4

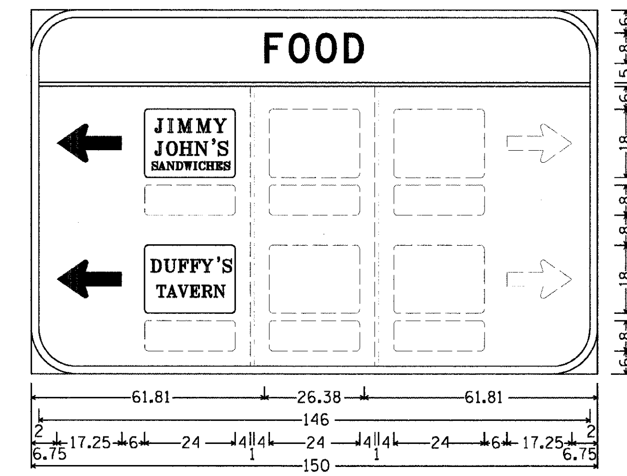
	W		a		t		e		r		w		a		y	
10.0	10.5	2.4	6.3	2.8	5.0	2.2	6.4	3.2	4.8	1.4	9.9	2.1	6.3	2.8	8.0	30.1

	V		i		s		i		t		o		r
47.8	9.1	2.8	1.9	2.8	6.4	3.0	1.9	2.8	5.0	2.2	6.6	3.1	4.8

	C		e		n		t		e		r	
10.0	8.0	2.7	6.3	3.2	6.4	2.8	5.0	2.2	6.4	3.1	4.9	12.8

	▭		I		N		F		O	
47.8	36.0	15.0	2.0	2.6	8.0	2.5	7.4	2.1	8.4	42.2

SIGN 12
RAMP J
STA. 313+75



12.00" Radius, 2.00" Border, White on Blue;
[FOOD] D;

Table of widths and spaces.

	F		O		O		D	
61.81	4.88	1.50	5.62	1.50	5.63	1.87	5.38	61.81

2.00	146.00	2.00

NOTE: ALL DIMENSIONS ARE IN INCHES.

SIGNING SHEET 13 OF 25

REVISIONS NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE: VERT. HORIZ. N.T.S.
DATE
DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

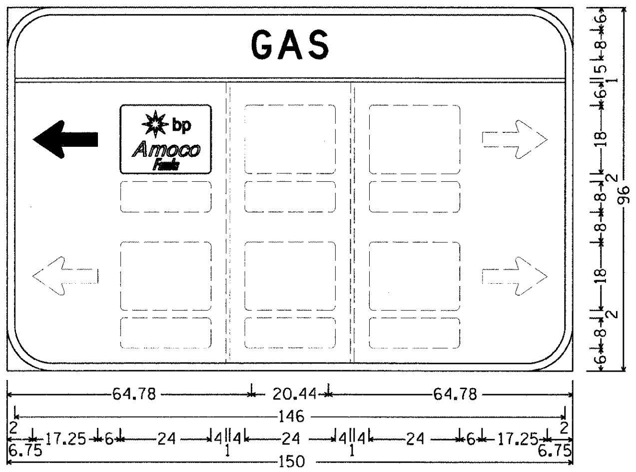
MODEL NAME = 13 SignDet 4
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	245
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN 14
RAMP J
STA. 317+75

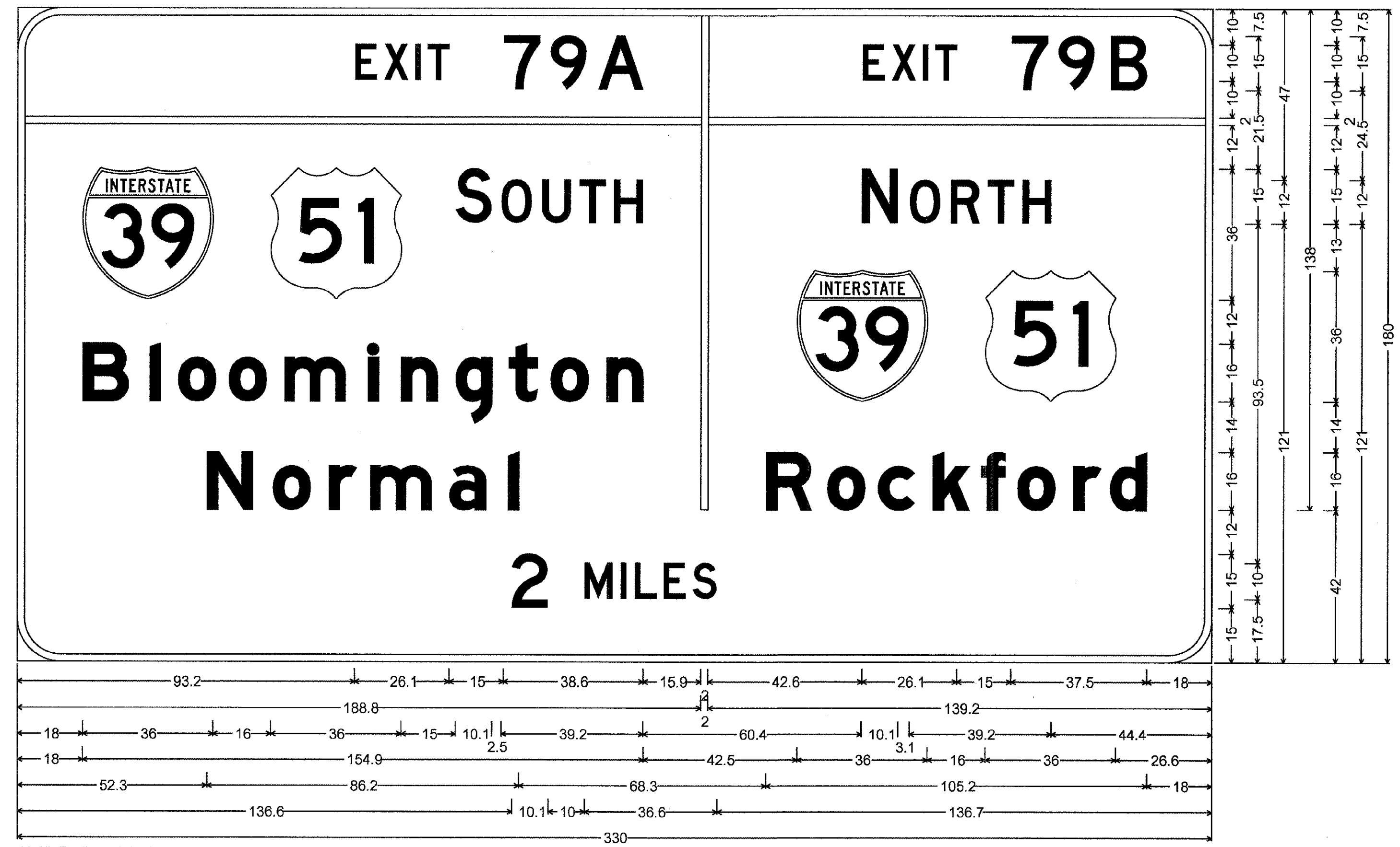


12.00" Radius, 2.00" Border, White on Blue;
[GAS] D;
Table of widths and spaces.

	G		A		S	
64.78	5.38	1.50	6.68	1.50	5.38	64.78

	—	
2.00	146.00	2.00

SIGN 15
I-80
STA. 897+75



12.0" Radius, 2.0" Border, White on Green;
[EXIT 79A] D; [SOUTH] D; [Bloomington] E Mod; [Normal] E Mod; [EXIT 79B] D; [NORTH] D; [Rockford] E Mod; [2 MILES] D;
Table of widths and spaces.

	E		X		I		T		7		9		A		|		E		X		I		T		7		9		B	
93.2	6.1	1.9	6.7	1.9	1.5	1.9	6.1	15.0	10.1	2.8	10.1	3.1	12.5	15.9	2.0	42.6	6.1	1.9	6.7	1.9	1.5	1.9	6.1	15.0	10.1	2.8	10.1	4.4	10.1	18.0

	—		—	
-0.0	188.8	2.0	139.2	-0.0

	(39)		(51)		S		O		U		T		H		N		O		R		T		H	
18.0	36.0	16.0	36.0	15.0	10.1	2.5	8.5	2.8	8.1	2.2	7.3	2.3	8.0	60.4	10.1	3.1	8.5	2.8	8.0	2.3	7.3	2.3	8.0	44.4

	B		l		o		o		m		i		n		g		t		o		n		(39)		(51)	
18.0	12.7	5.8	3.0	4.9	10.5	3.4	10.5	4.9	16.9	6.2	3.0	6.1	10.2	4.9	10.2	4.5	8.0	3.6	10.5	4.9	10.2	42.5	36.0	16.0	36.0	26.6

	N		o		r		m		a		l		R		o		c		k		f		o		r		d	
52.3	12.8	5.5	10.5	4.9	7.8	3.7	16.9	4.9	10.1	6.1	3.0	68.3	12.8	4.1	10.5	3.5	10.1	5.1	10.1	3.2	6.5	3.5	10.5	4.9	7.8	2.4	10.2	18.0

	2		M		I		L		E		S	
136.6	10.1	10.0	7.7	2.4	1.5	2.4	6.1	1.8	6.1	1.9	6.7	136.7

NOTE: ALL DIMENSIONS ARE IN INCHES.

SIGNING SHEET 14 OF 25

REVISIONS	
NAME	DATE
MQC, MLT	11/25/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = 14 SignDet 5
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

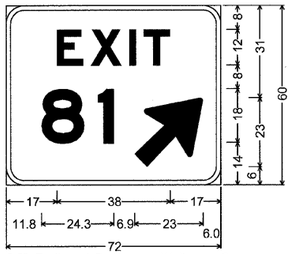
MODEL NAME = I15 SignDes 6
PLOT DATE = 2/22/2008
FILE NAME = C:\Pw_Exports\C-1505SN.dgn
PLOT SCALE = 1.120 ' / in.
USER NAME = Johnsd00944

LAYOUT	MOC	02/08/06
DRAWN	MOC	02/08/06
REVIEWED	MLT	10/17/07

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	246
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

E5-1A-7260
STA. 885+21 (I-80 AT RAMP K)
STA. 905+96 (I-80 AT RAMP I)

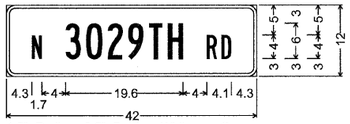


6.0" Radius, 1.5" Border, White on Green;
[EXIT] E Mod; [81] E Mod;
Arrow Custom - 29.1° 45°;
Table of widths and spaces.

	E		X		I		T	
17.0	8.9	2.5	10.4	2.4	2.4	2.5	8.9	17.0

B		1				
11.8	14.3	4.7	5.3	6.9	23.0	6.0

2 EACH BACK TO BACK
D3-4212
STA. 622+05
FRONTAGE ROAD



1.5" Radius, 0.5" Border, White on Green;
[N 3029TH RD] B;
Table of widths and spaces.

	N		3		O		2		9		T		H	
4.3	1.7	4.0	2.5	0.9	2.7	0.9	2.5	0.9	2.6	0.9	2.3	0.9	2.5	

	R		D	
4.0	1.7	0.7	1.7	4.3

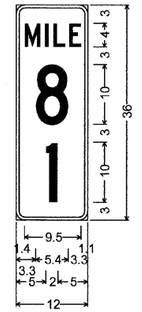
2 EACH BACK TO BACK
D3-3612
STA. 622+05
FRONTAGE ROAD

1.5" Radius, 0.5" Border, White on Green;
[E 8TH RD] B;
Table of widths and spaces.

	E		B		T		H	
6.6	1.5	4.0	2.5	1.0	2.3	0.9	2.5	

	R		D	
4.0	1.7	0.7	1.7	6.6

2 EACH
D10-5-1236
I-80 EASTBOUND, STA. 889+00
I-80 WESTBOUND, STA. 889+00



D10-5;
1.5" Radius, 0.5" Border, White on Green;
[MILE] C 99% spacing;
[8] C;
[1] C;
Table of widths and spaces.

	M		I		L		E		
1.4	2.6	0.8	0.6	0.8	2.0	0.7	2.0	1.1	

	B	
3.3	5.4	3.3

I	
5.0	2.0	5.0

NOTE: ALL DIMENSIONS ARE IN INCHES.

SIGNING SHEET 15 OF 25

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SIGN PANEL DETAILS

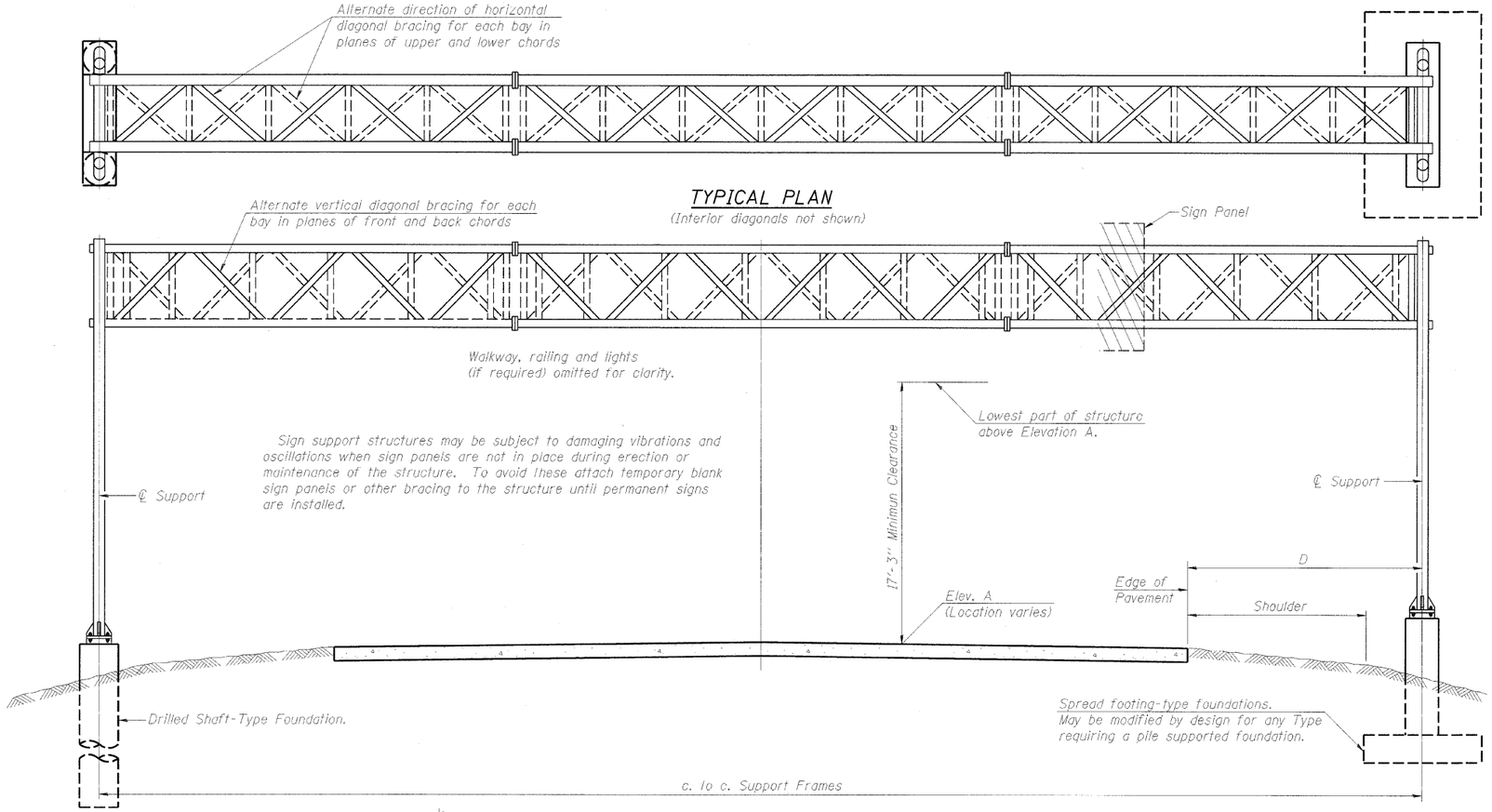
SCALE: VERT.
HORIZ. N.T.S.
DATE

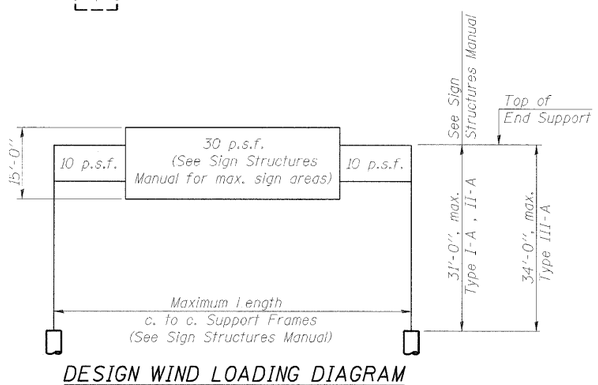
DRAWN BY MOC
CHECKED BY MLT

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	247
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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.

TYPICAL ELEVATION

(Looking at Face of Signs**)

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

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
3S0501080L081.2	897+75	I-A	80.00'	625.29	32.00	15.00'	412.50

**Locking upstation for structures with signs both sides.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	80
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	0
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	0
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	32
CONCRETE FOUNDATIONS	Cu. Yds.	0
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	12.6
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE-SPAN	EACH	2

NUMBER	REVISION	DATE

GENERAL NOTES

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

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: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. 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 M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and 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 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both nuts where threaded studs are used. High strength bolt 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.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 36 or 55 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" 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.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

SIGNING SHEET 16 OF 25

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

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

OS-A-1 6/01/2007

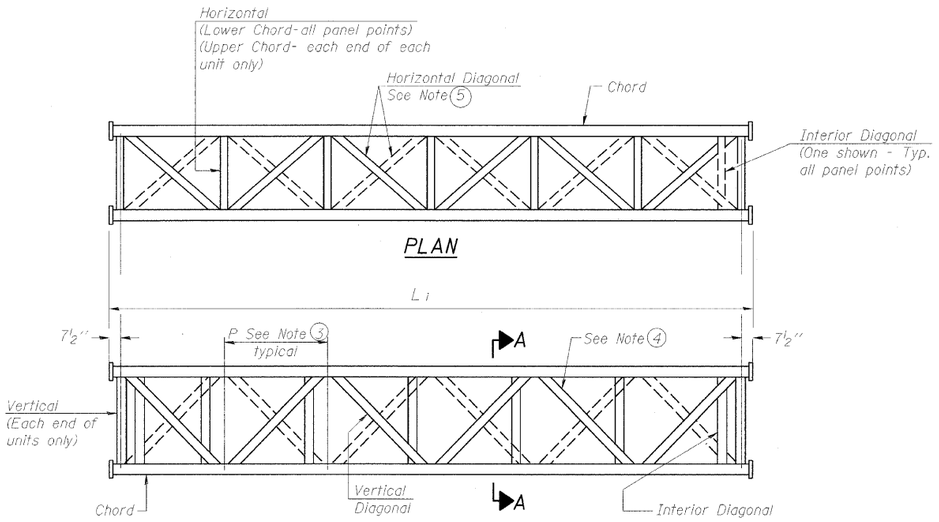
LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 16 05-A-1
PLOT DATE = 12-23-2009
FILE NAME = C:\Pw_Exports\C-15050N.dgn
PLOT SCALE = 1.00 '/ in.
USER NAME = Johna80944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

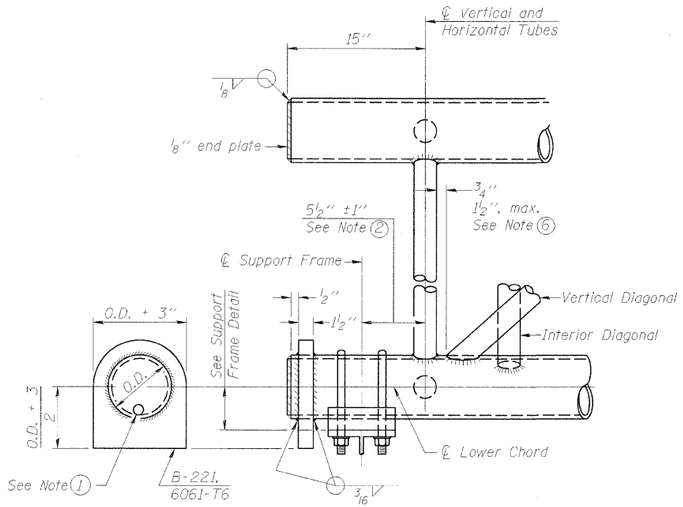
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)IHBK	LASALLE	492	248
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

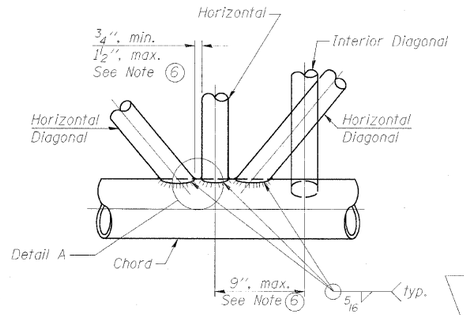


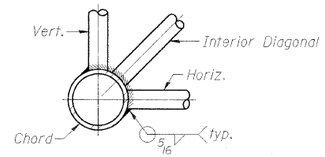
ELEVATION
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

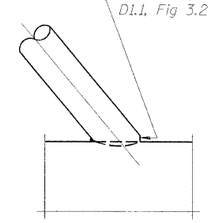


SUPPORT END DETAIL FOR EXTERIOR UNIT

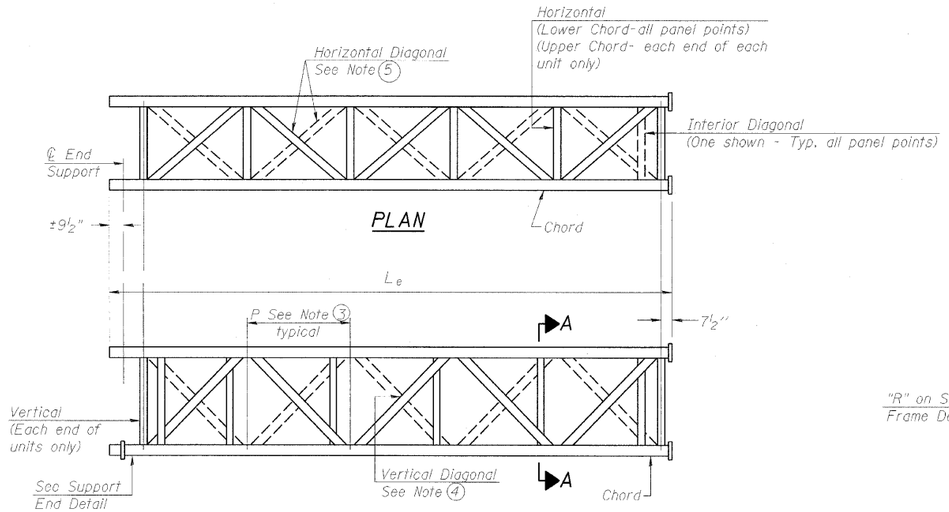




TYPICAL JOINT DETAILS

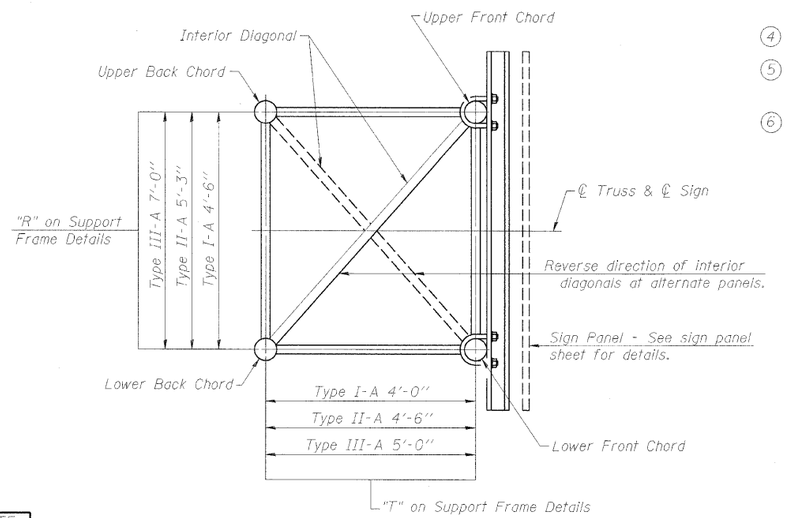


DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

NOTES

(1) Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" ϕ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)

(2) 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).

(3) Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.

(4) Vertical Diagonals in front and back face shall alternate.

(5) Hidden lines show wind bracing alternates direction between planes of top and bottom chords.

(6) All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U bolt connections of signs or walkway brackets.

NUMBER	REVISION	DATE

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/17/07

MODEL NAME = 17 OS-42
PLOT DATE = 12-20-2007
FILE NAME = C:\PW_Exports\C-1585OS-42.dgn
PLOT SCALE = 1.000 ' / in.
USER NAME = JohnsB0944

OS-A-2 6/01/2007

SIGNING SHEET 17 OF 25

OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

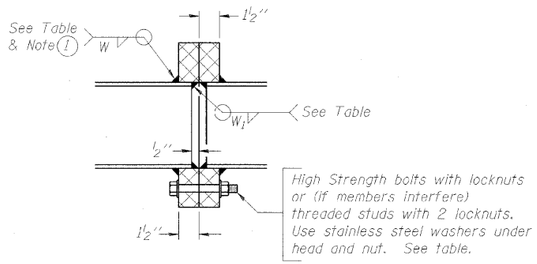
DRAWN BY MQC
CHECKED BY MLT

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	249
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

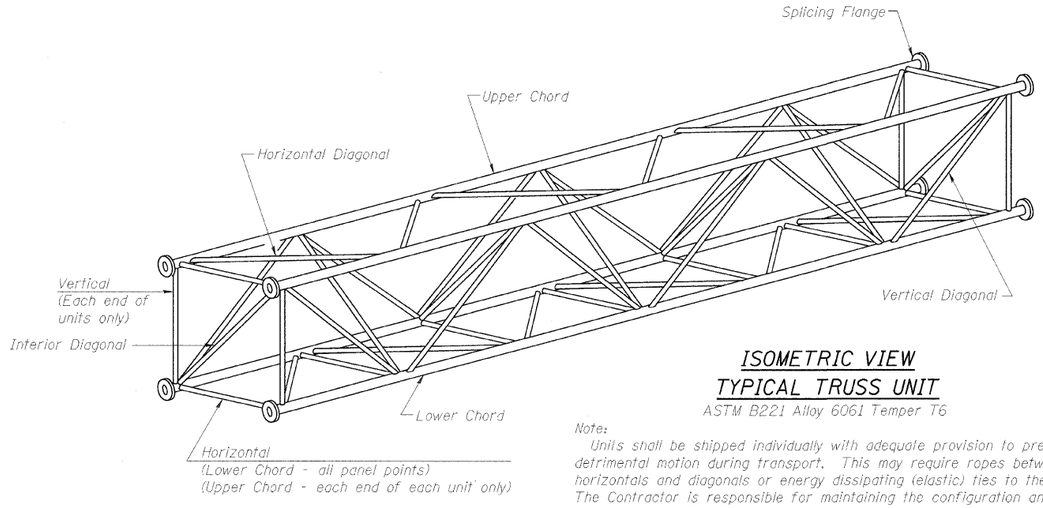
TRUSS UNIT TABLE

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)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L_i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W_1		
3S0501080L081.2	897+75	I-A	5	25' 10"	4' 9 1/2"	1	6	30'	4' 9 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



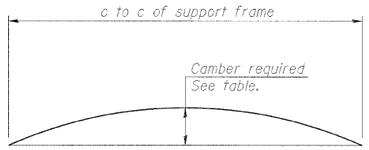
SECTION B-B

(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.



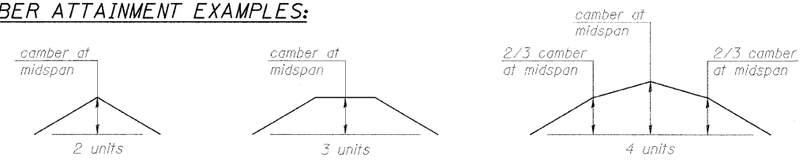
ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

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.

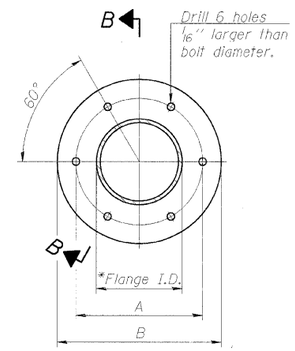


CAMBER DIAGRAM
Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

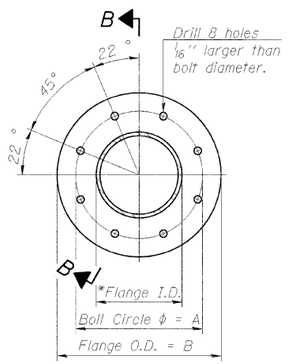
CAMBER ATTAINMENT EXAMPLES:



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



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

NUMBER	REVISION	DATE

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = 1B OS4-A-2
PLOT DATE = 2/13/2009
FILE NAME = E:\PW_Export\C-1525SN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

OS4-A-2 6/01/2007

SIGNING SHEET 18 OF 25

OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

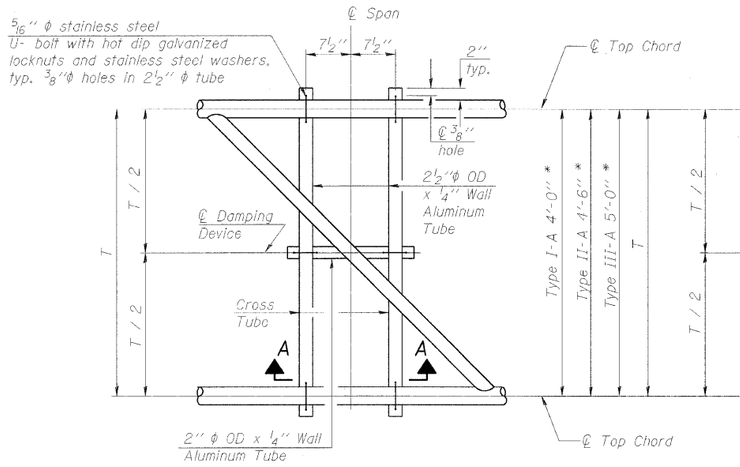
SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

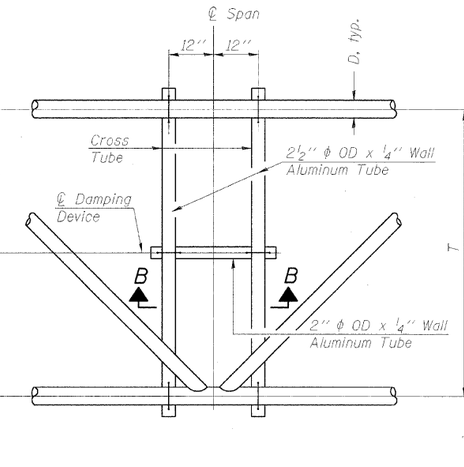
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	250
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

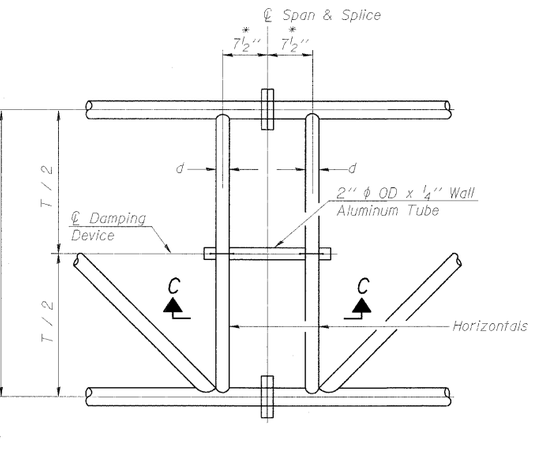
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.



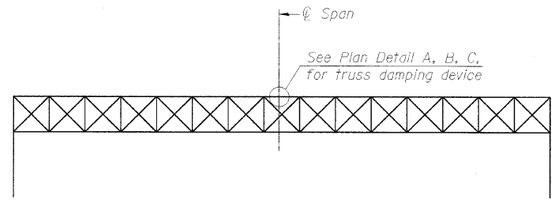
PLAN DETAIL "A"
℄ Span between Panel Points



PLAN DETAIL "B"
℄ Span at Panel Point



PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

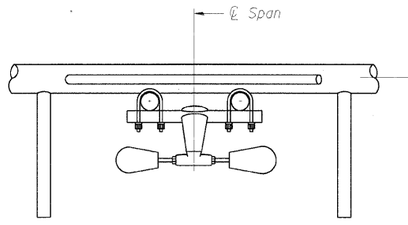


ELEVATION
Aluminum Overhead Sign Truss

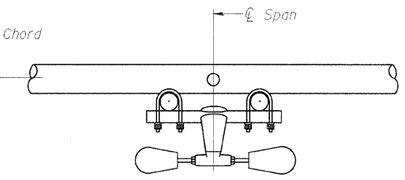
NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

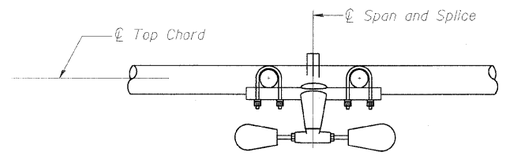
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



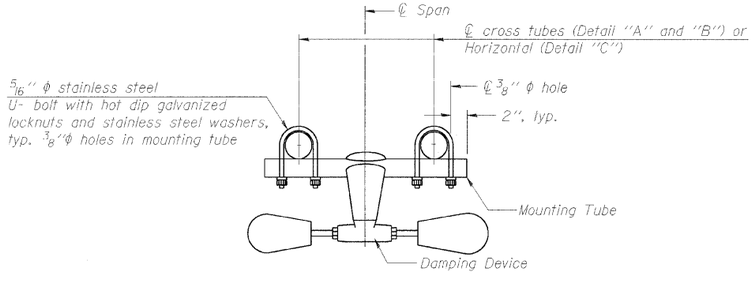
SECTION A-A



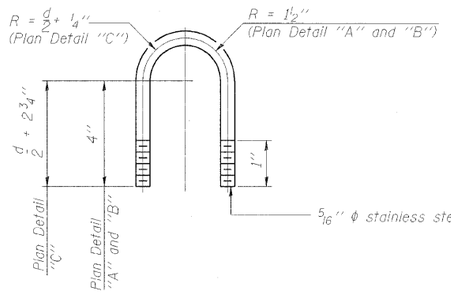
SECTION B-B



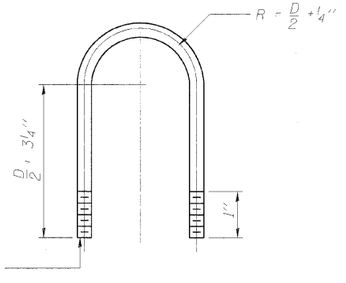
SECTION C-C



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")

SIGNING SHEET 19 OF 25

OVERHEAD SIGN STRUCTURE DAMPING DEVICE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

OS-A-D 6/01/2007

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = I-19_OS-A-D
PLOT DATE = 12/22/2009
FILE NAME = C:\Pw_Explor~1\C-150SGN.dgn
PLOT SCALE = 1.208 '/ in.
USER NAME = Johnsd09944

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/01

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	251
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

MODEL NAME = 2M OS-A-4
PLOT DATE = 12/23/2009
FILE NAME = C:\Pw_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johna26744

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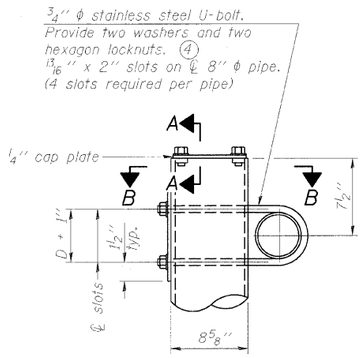
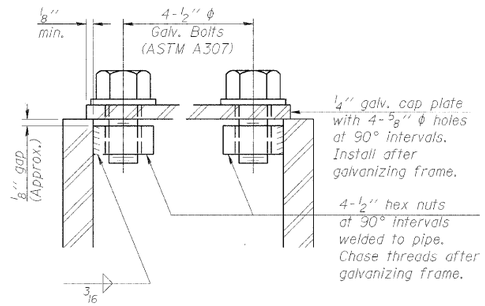
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

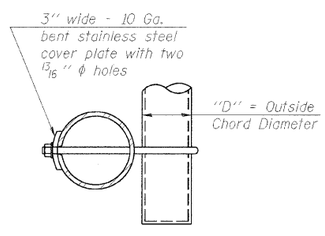


DETAIL A

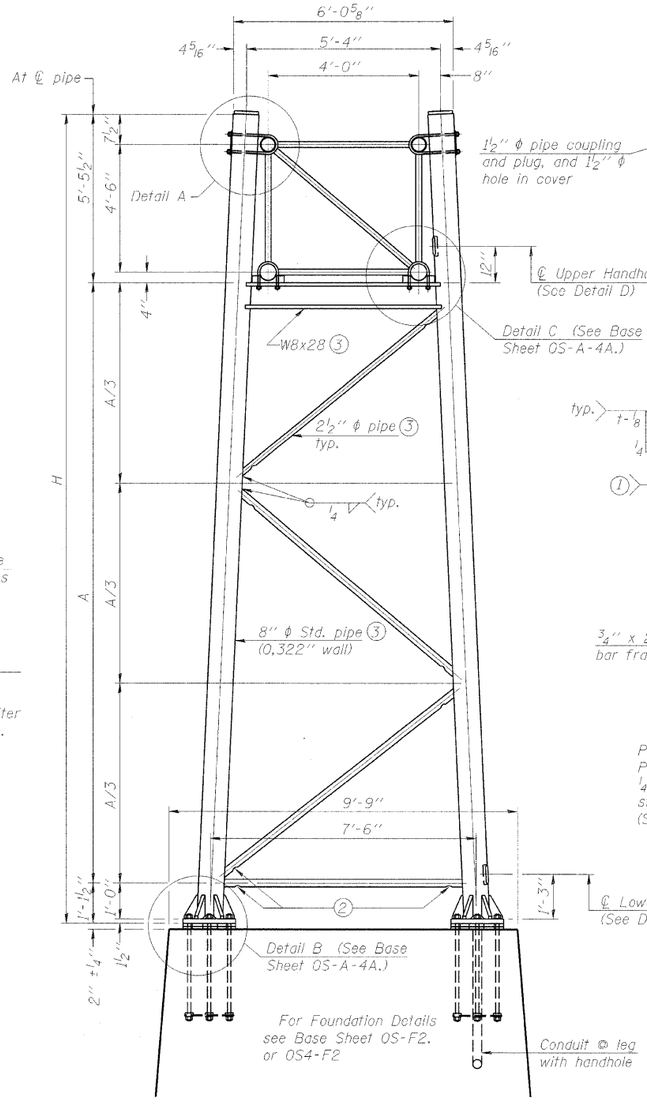


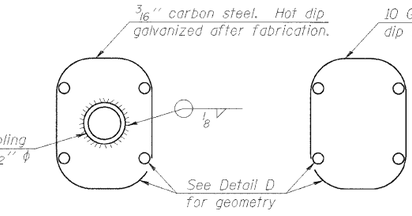
SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

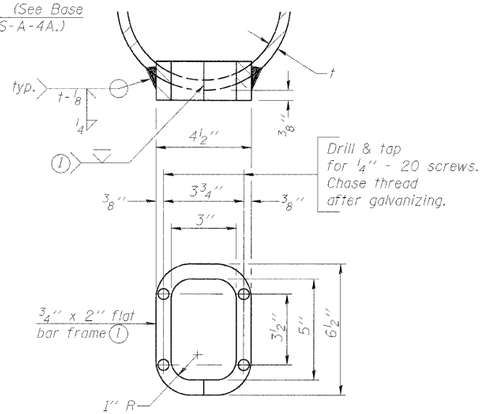


SECTION B-B



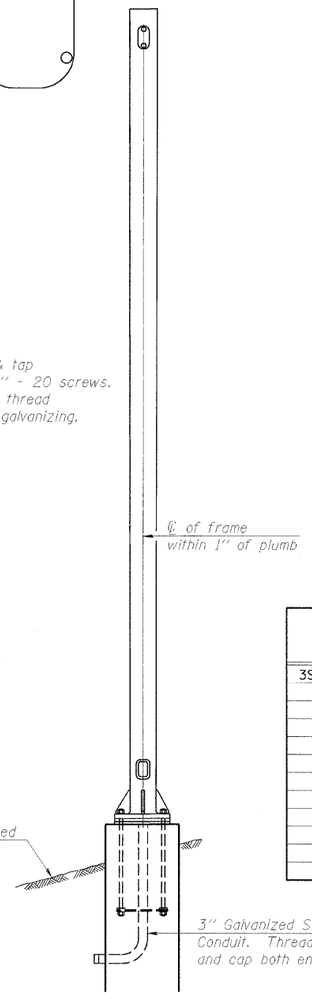


HANDHOLE COVERS



Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

DETAIL D



8" ϕ PIPE TRUSS SUPPORT FRAME

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

(1) *In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μin or less.*

(2) *Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.*

(3) *Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.*

(4) *See General Notes for fasteners.*

(5) *Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.*

(6) *"H" based on 15'-0" or actual sign height, whichever is greater.*

Structure Number	Station	Support Left	Support Right	H (6)	A
3S050108OL081.2	897+75	✓	✓	28'-0"	21'-5"

NUMBER	REVISION	DATE

SIGNING SHEET 20 OF 25

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

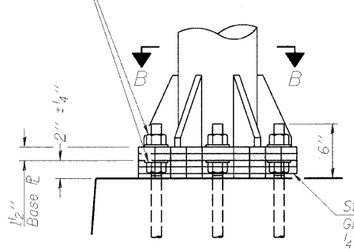
OS-A-4 6/01/2007

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	252
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

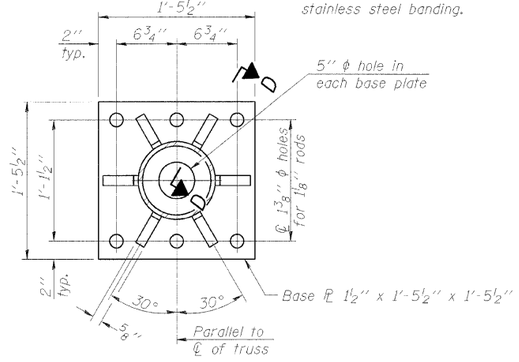
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



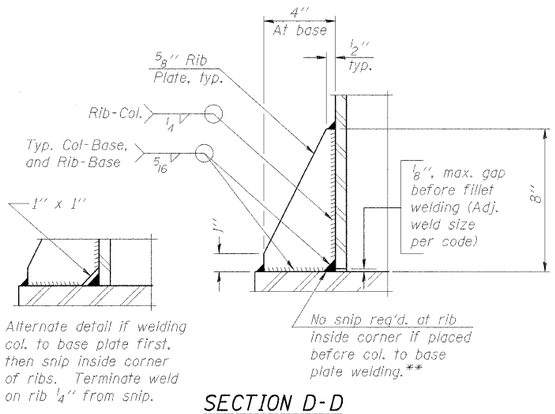
Stainless Steel Standard Grade Wire Cloth, 3" wide, ¼" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with ¾" stainless steel banding.

DETAIL B

Ribs shall be cut to fit slope of pipe.

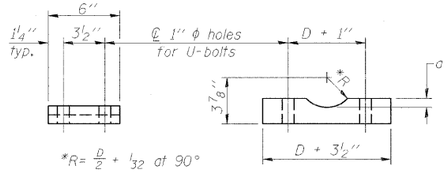


SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib ¼" from snip.

SECTION D-D



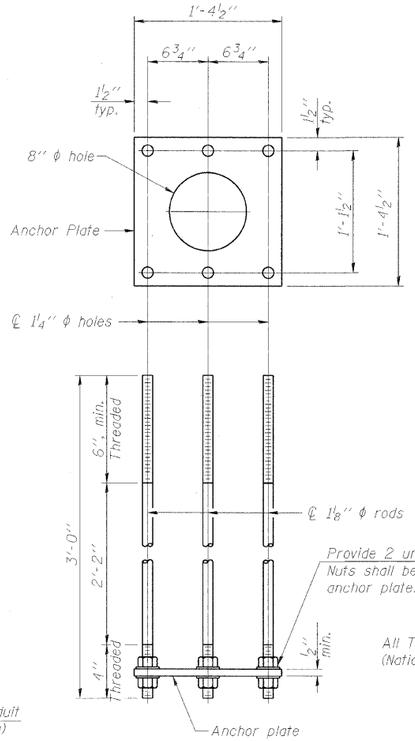
*$R = \frac{D}{2} + \frac{1}{32}$ at 90°

D = Outside Diameter of Chord.

SADDLE SHIM DETAIL

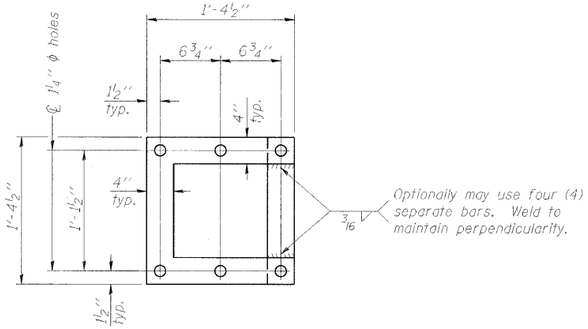
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	¾"
5½"	13/16"
6"	⅞"
6½"	15/16"

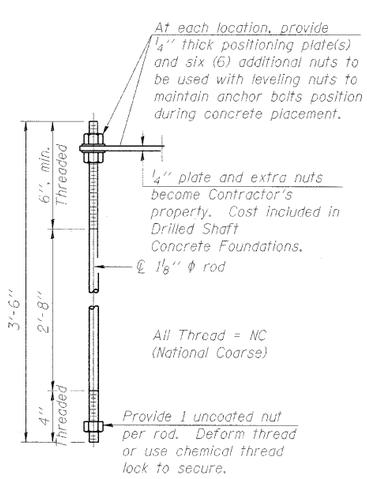


ANCHOR ROD DETAIL

Spread Footing Foundation



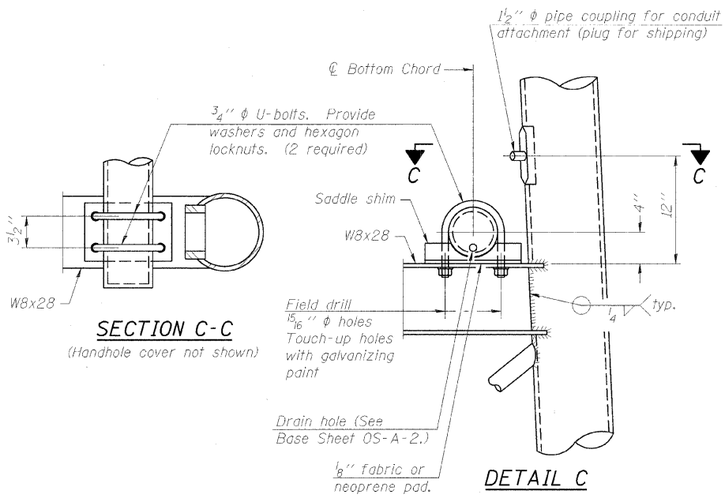
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to AASHTO M314 Grade 36 or 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

TYPE I-A TRUSS
8" ϕ PIPE SUPPORT FRAME DETAILS

NUMBER	REVISION	DATE

SIGNING SHEET 21 OF 25

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/31/07

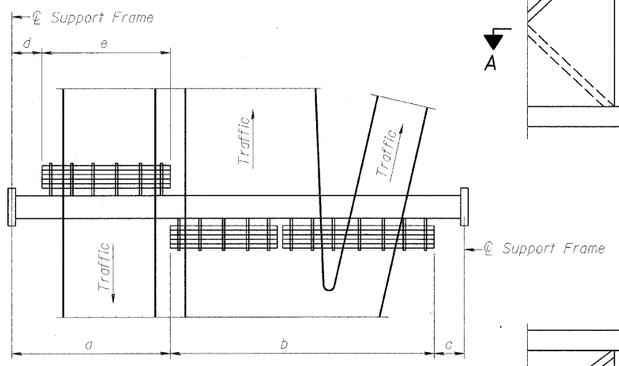
MODEL NAME = 21 OS-A-4A
FILE DATE = 2/23/2009
FILE NAME = C:\Projects\C-15850\SN.dgn
PLOT SCALE = 1.00 '/ in.
USER NAME = John-s80944

OS-A-4A 6/01/2007

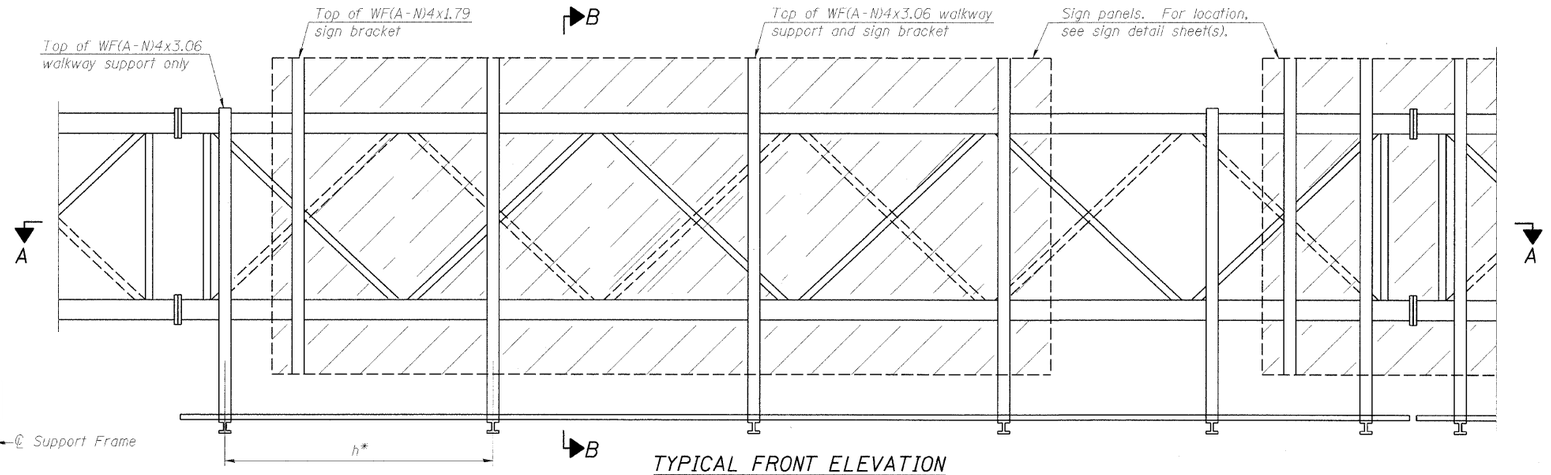
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

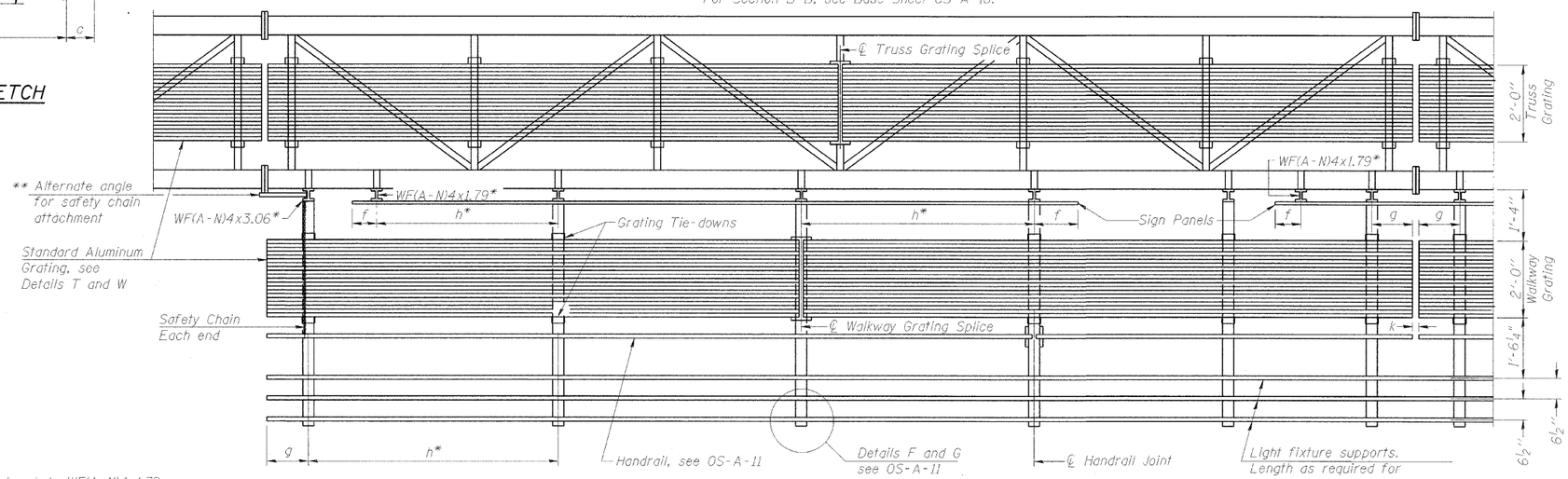
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	253
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)



TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061 T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:

* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
For Handrail Details see Base Sheet OS-A-11.

SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
3S050I080L081.2	897+75	20'-0"	32'-0"	28'-0"	--	--	32'-0"

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

NUMBER	REVISION	DATE

REVISIONS NAME	DATE

SIGNING SHEET 22 OF 25

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MQC
CHECKED BY MLT

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

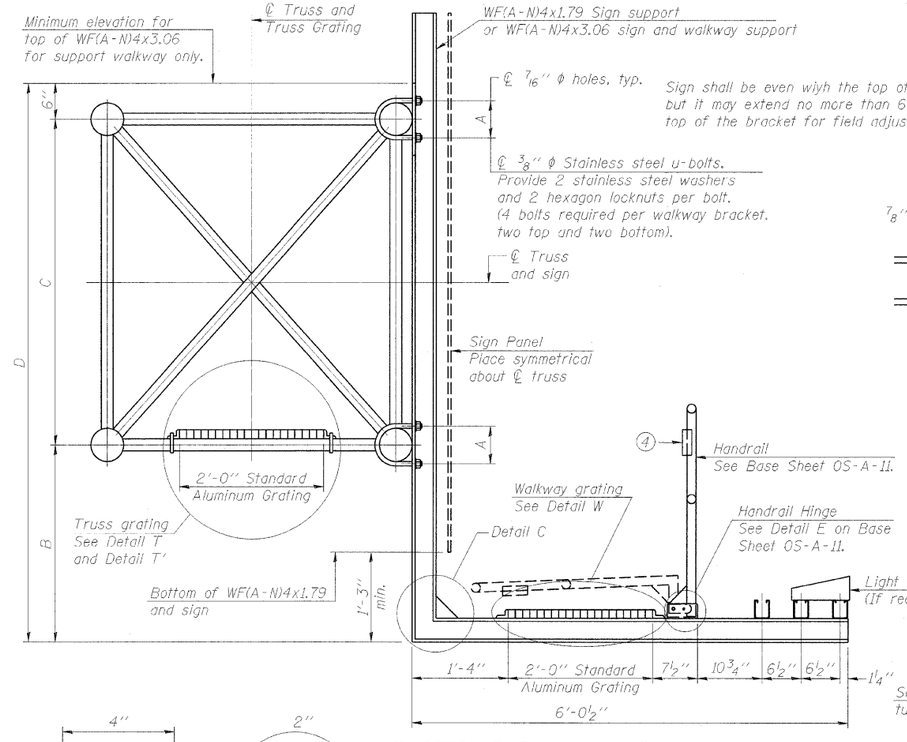
MODEL NAME = 22 OS-A-9
FILE DATE = 2/8/2006 2:42:22 PM
FILE NAME = C:\Pw_Export\C-156SGN.sign
PLOT SCALE = 1.00 ' / in.
USER NAME = John\d07944

OS-A-9 6/01/2007

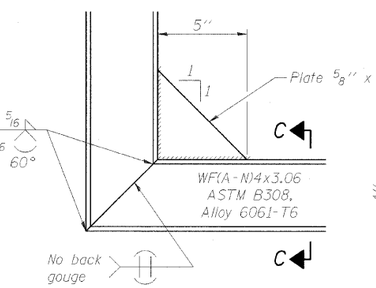
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	254
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



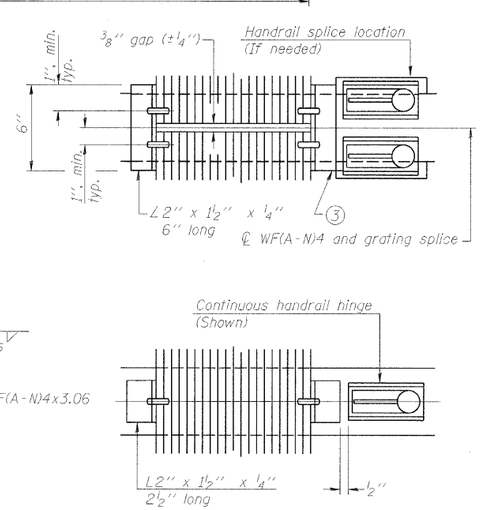
SECTION B-B



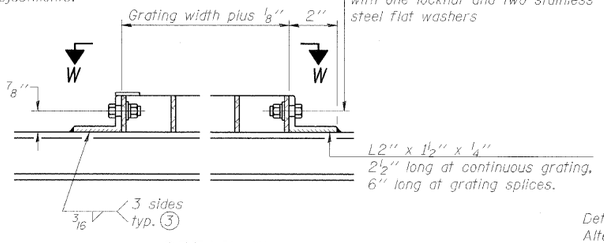
SHIM DETAIL

DETAIL C

SECTION C-C

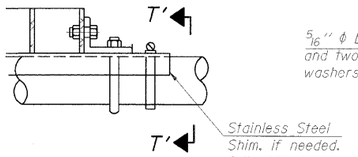


SECTION W-W



DETAIL W

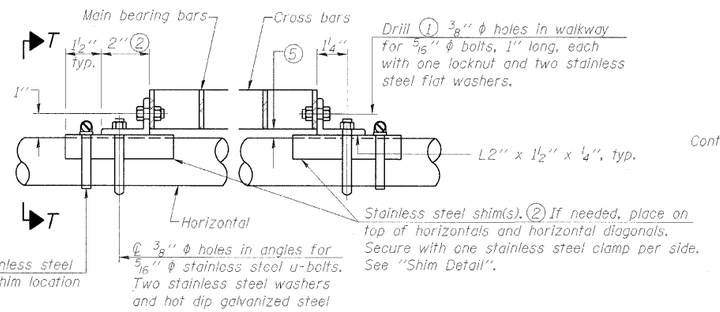
(Walkway grating)



DETAIL T'

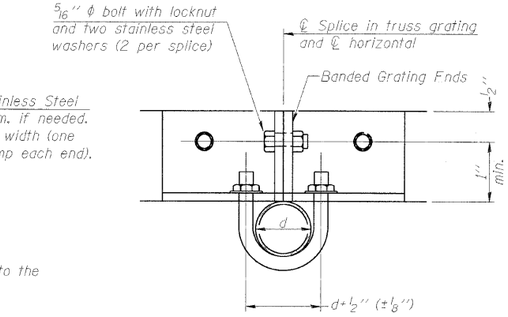
(Truss grating splice)

Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

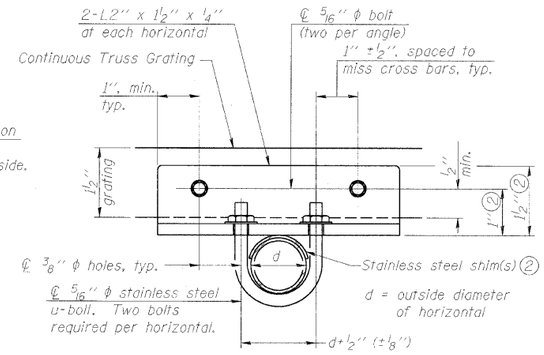


DETAIL T

(Continuous Truss grating)



SECTION T'-T'



SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.

Cross bars shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1½", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	B	C	D
3S050I080L081.2	897+75	5 ½"	6'-6"	4'-6"	11'-6"

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

(3) If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OS-A-11.)

(4) ℄ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

NUMBER	REVISION	DATE

SIGNING SHEET 23 OF 25

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT. HORIZ. N.T.S.
DATE
DRAWN BY MQC
CHECKED BY MLT

OS-A-10 6/01/2007

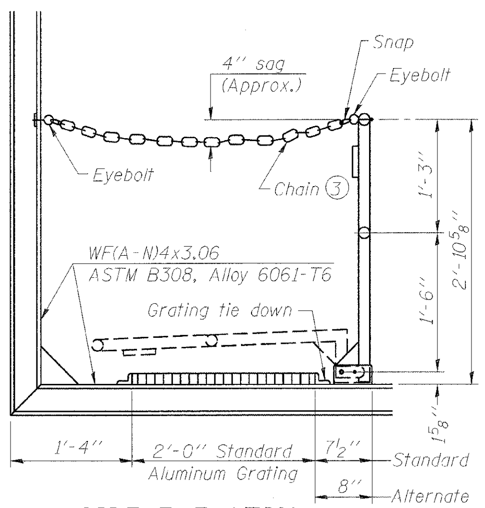
LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 23 OS-A-10
PLOT DATE = 12/23/2009
FILE NAME = C:\PW_Exports\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = John.a02944

CONTRACT NO 66542

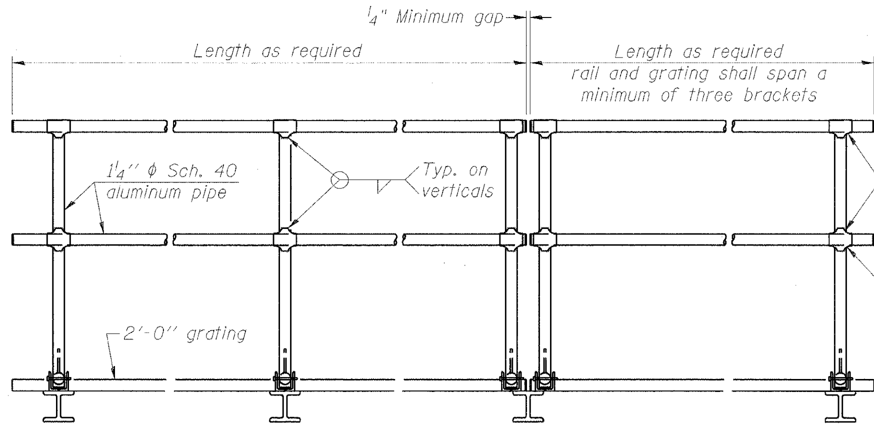
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	255
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HANDRAIL DETAILS



SIDE ELEVATION

(Showing safety chain w/o sign)

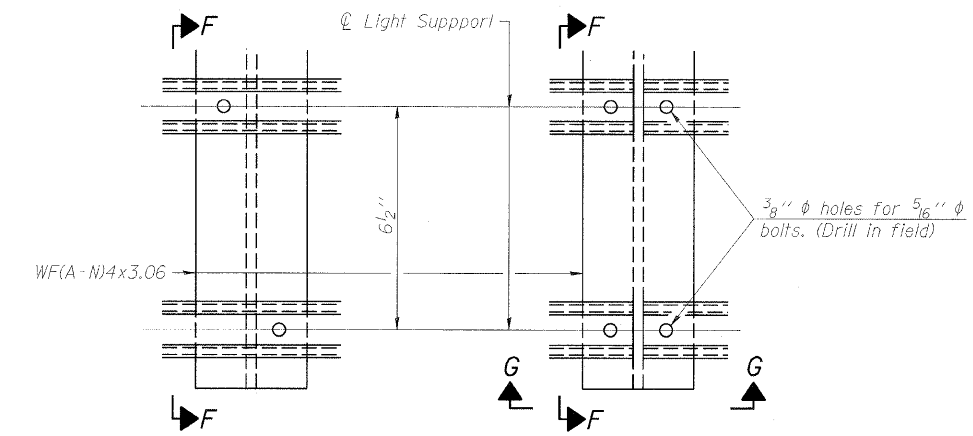


FRONT ELEVATION

Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

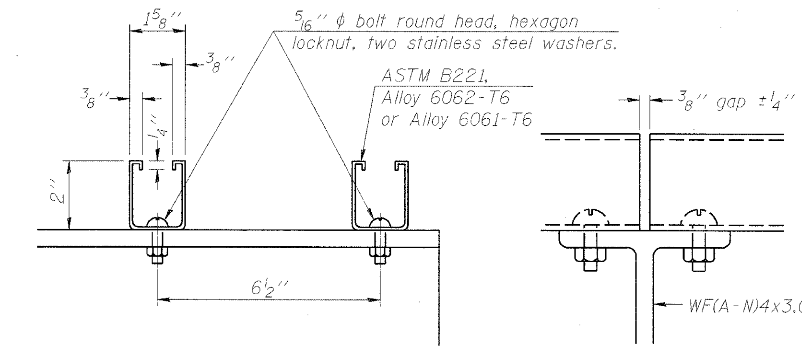
① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)

② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" ϕ hole in fitting for 3/8" ϕ bolt. Field drill 7/16" ϕ hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" ϕ holes on top rail at ends only.)



DETAIL F

DETAIL G

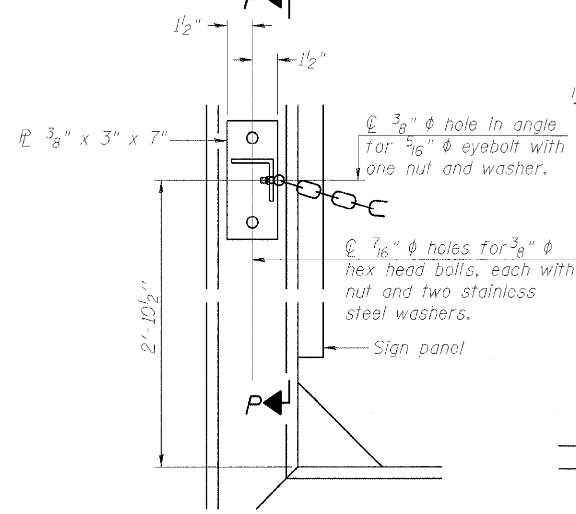


SECTION F-F

SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

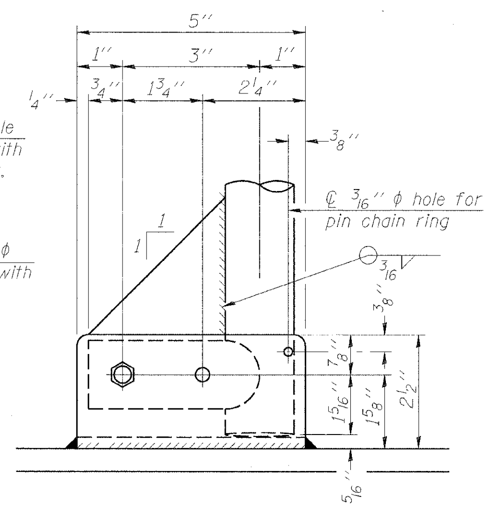
⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



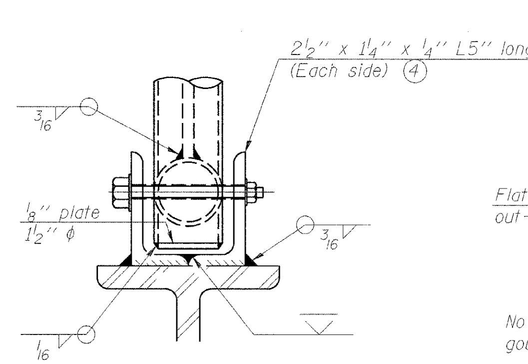
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"

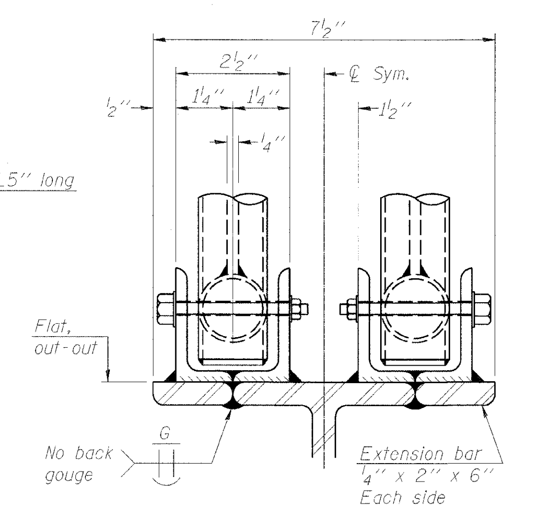


SIDE ELEVATION

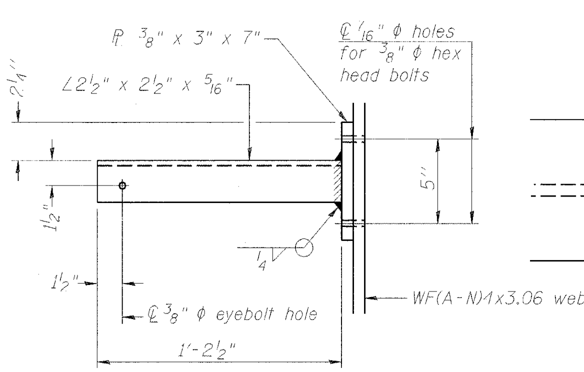


FRONT ELEVATION

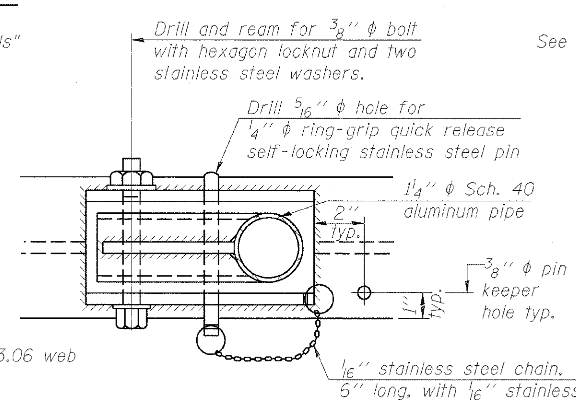
See "Elevation" at right for dimensions.



ELEVATION AT HANDRAIL JOINT ④



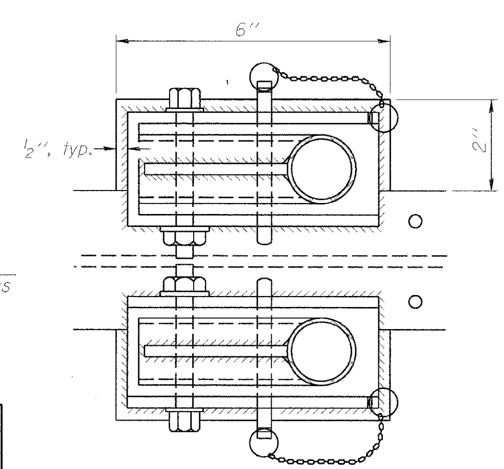
SECTION P-P



PLAN

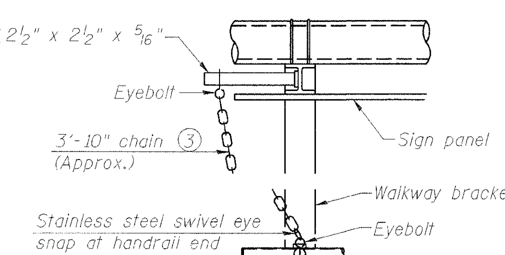
DETAIL E HANDRAIL HINGE

NUMBER	REVISION	DATE



PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



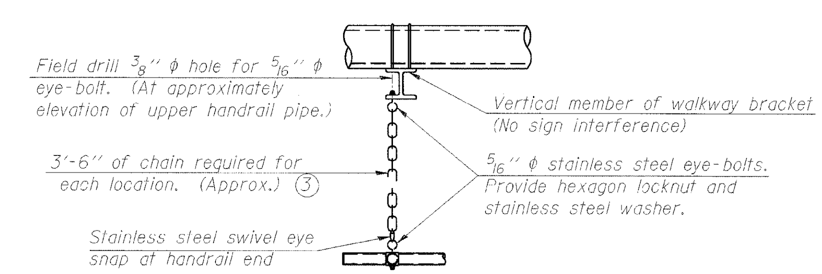
ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details

(Walkway omitted for clarity)

③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

SIGNING SHEET 24 OF 25

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT. HORIZ. N.T.S.
DATE
DRAWN BY MQC
CHECKED BY MLT

OS-A-11 6/01/2007

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	MQC	02/08/06
DRAWN	MQC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 24 OS-A-11
PLOT DATE = 12\23\2009
FILE NAME = C:\PW_Export\C-150SGN.dgn
PLOT SCALE = 1.00 ' / in.
USER NAME = Johns00944

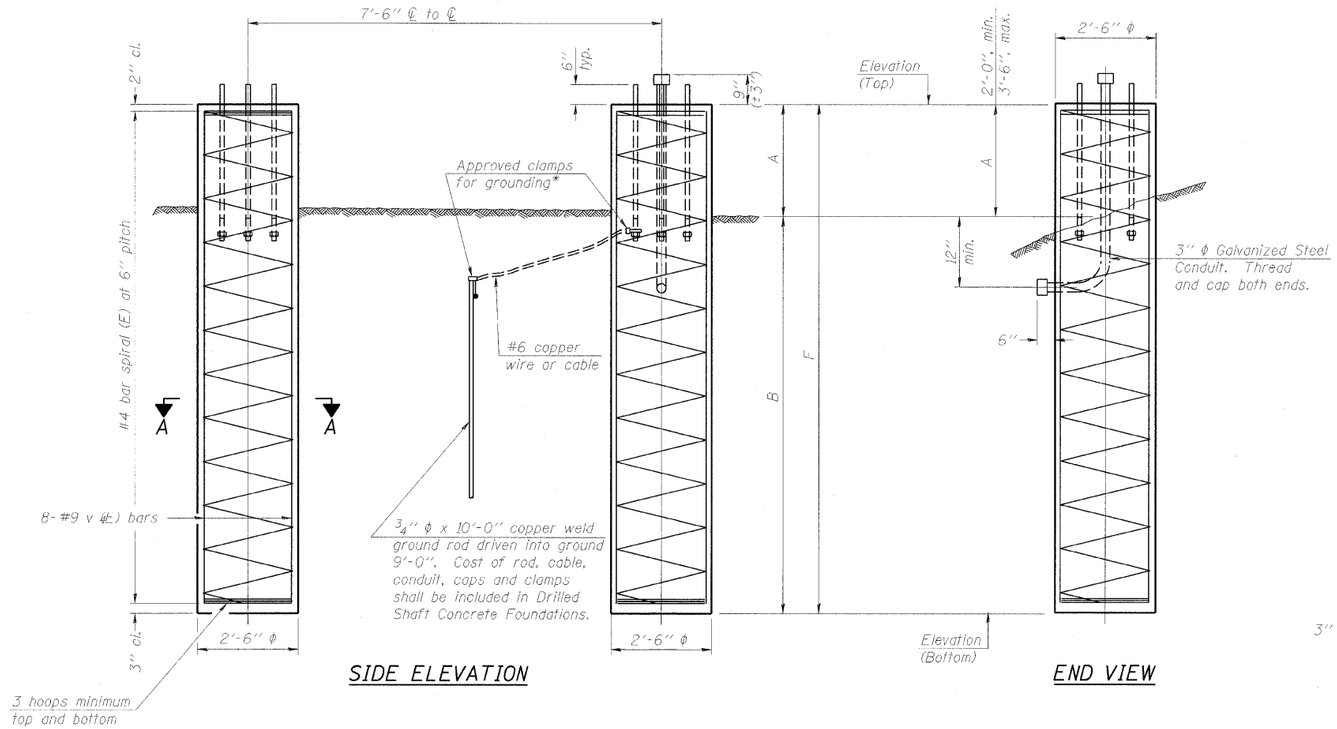
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	256
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

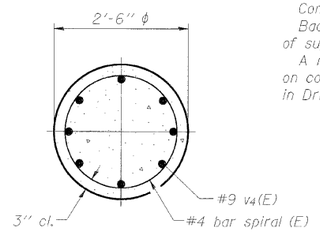
For anchor rod size and placement, see Support Frame Detail Sheet.

** Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.*



SIDE ELEVATION

END VIEW



SECTION A-A

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	16	#9	F less 5"	——
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

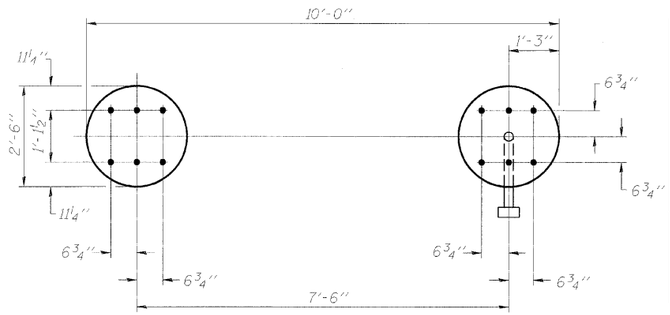
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



PLAN

Structure Number	Station	Left Foundation					Right Foundation					Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
3S0501080L081.2	897+75	626.00	609.24	2'-3 1/8"	14'-6"	16'-9 1/8"	626.00	608.03	3'-5 5/8"	14'-6"	17'-11 5/8"	12.6

SIGNING SHEET 25 OF 25

NUMBER	REVISION	DATE

DETAILS FOR 8" ϕ SUPPORT FRAME
TYPE I-A TRUSS

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
OVERHEAD SIGN STRUCTURE

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY MGC
CHECKED BY MLT

LAYOUT	MGC	02/08/06
DRAWN	MGC	02/08/06
REVIEWED	MLT	10/1/07

MODEL NAME = 25 OS4-F2
PLOT DATE = 10/23/2009
FILE NAME = C:\Pw_Export\C-15025DN.dgn
PLOT SCALE = 1.00 '/ in.
USER NAME = Johns80944

OS4-F2

6/01/2007

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	256A
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

CONTRACT NO. 66542

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 8/17/07

ROUTE FAI 80 (I-80) DESCRIPTION I-80 & IL 178 Interchange- Sign Truss LOGGED BY Larry Myers

SECTION (50-3)HBK LOCATION NW 1/4, SEC. 4, TWP. 33N, RNG. 2E, 3rd PM

COUNTY La Salle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B25: Median
Station 897+54.35
Offset 0.00ft
Ground Surface Elev. 621.92 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black/Brown, Silty Clay Topsoil Fill			
619.92			
Stiff, Brown/Gray, Silty Clay Loess	4		
	4	2.0	27.7
	4	P	
617.42			
-5 Very Stiff, Brown/Gray, Silty Clay Loam Till	2		
	2	2.5	19.4
	4	P	
615.42			
Hard, Brown/Gray, Silty Clay Loam Till	3		
	5	4.6	16.4
	9	S	
-10	5		
	7	5.1	14.9
	9	S	
610.42			
Hard, Gray, Silty Clay Loam Till with layers of Silty Loam	3		
	5	4.8	14.5
	7	S	
607.42			
-15 Hard, Gray, Silty Clay	5		
	7	6.4	20.9
	9	S	
605.42			
Medium, Brown, Fine to Coarse, Sand with minor Fine Gravel	6		
	8		2.8
	10		
-20	8		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, Brown, Fine to Coarse, Sand with minor Fine Gravel (continued)	8		2.8
600.92	11		
End of Boring			
-25			
-30			
-35			
-40			

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
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 8/17/07

ROUTE FAI 80 (I-80) DESCRIPTION I-80 & IL 178 Interchange- Sign Truss LOGGED BY Larry Myers

SECTION (50-3)HBK LOCATION NW 1/4, SEC. 4, TWP. 33N, RNG. 2E, 3rd PM

COUNTY La Salle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. _____
Station _____

BORING NO. B26: N of I-80
Station 897+51.35
Offset 50.00ft Lt.
Ground Surface Elev. 622.83 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, Black, Silty Clay Loam Fill and Black, Silty Clay Topsoil			
620.33			
Stiff, Brown/Gray, Silty Clay Loess	2		
	3	1.5	27.6
	3	P	
-5			
	1		
	2	1.5	19.1
	3	P	
615.83			
Very Stiff, Brown/Gray, Silty Clay Loam	3		
	5	3.7	18.2
	6	S	
613.33			
-10 Hard, Brown/Gray, Silty Clay Loam Till with pockets of Silt/Fine Sand at 14'	3		
	5	4.1	16.5
	9	S	
	6		
	9	4.2	15.5
	14	S	
608.33			
-15 Hard, Gray, Silty Clay	5		
	7	4.1	22.0
	11	S	
605.83			
Dense, Brown, Fine/Coarse, Sand	10		
	14		3.5
	18		
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense, Brown, Fine/Coarse, Sand (continued)	12		
	15		3.5
601.33	19		
End of Boring			
-25			
-30			
-35			
-40			

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)

LAYOUT	MM	11/16/05
DRAWN	RGF	1/15/07
RECHECKED	JJT	1/15/07

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BORINGS (Sheet 2)
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015

DATE 10/12/09

CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	257
	ILLINOIS FED. AID PROJECT			

TEMPORARY ROADWAY LIGHTING BILL OF MATERIALS

ITEM	UNIT	TOTAL
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,624
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2,360
AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	1,790
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,574
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	21
LIGHT POLE, WOOD, 60 FOOT, CLASS 4	EACH	22
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	22
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	17
REMOVAL OF POLE FOUNDATION	EACH	16
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1

ROADWAY LIGHTING BILL OF MATERIALS

ITEM	UNIT	TOTAL
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT PUSHED, 3" DIA., PVC	FOOT	428
CONDUIT PUSHED, 4" DIA., PVC	FOOT	380
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	6,269
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,502
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	8,038
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	15,501
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	9
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	114
UNDERPASS LUMINAIRE, 150 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	4
SIGN LIGHTING (HIGH PRESSURE SODIUM)	EACH	3
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	9
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 4	EACH	3
LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH	17
LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	9
LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	310
BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	36

GENERAL LIGHTING NOTES

1. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
2. EXISTING LIGHT POLES AND FOUNDATIONS TO BE REMOVED, AND ALL ASSOCIATED HARDWARE AND APPURTENANCES, SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
4. CONTRACTOR SHALL INSTALL LIGHT POLES AND LIGHT TOWERS AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK" PAY ITEM.
6. ALL PROPOSED LIGHT POLES TO BE INSTALLED AT A MINIMUM OF 15 FEET BEHIND THE EDGE OF PAVEMENT. NO POLES OR TOWERS TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
7. THERE IS NO LUMINAIRE AIMING DIAGRAM. AIM ALL HIGH MAST LUMINAIRES TO BE PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY. AIM TO MAINLINE FOR TOWERS LOCATED ON THE MAINLINE, AIM TO RAMP FOR THE FOUR TOWERS LOCATED ON THE RAMPS, AND AIM TO THE CROSSROAD FOR THE TWO TOWERS LOCATED AT THE RAMP TERMINALS.
8. TEMPORARY LIGHTING SHALL BE INSTALLED AND MADE FULLY OPERATIONAL PRIOR TO ROADWAY CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE THE TEMPORARY LIGHTING FACILITIES THROUGHOUT THE VARIOUS STAGES OF CONSTRUCTION ACCORDING TO SECTION 844 AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE "LIGHT POLE, WOOD, 60 FOOT, CLASS 4" PAY ITEM. ADDITIONAL AERIAL CABLE SPANS SHALL BE FURNISHED AND INSTALLED AS DIRECTED BY THE ENGINEER, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE ASSOCIATED AERIAL CABLE PAY ITEMS.
9. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF TWO PEERSONS RESPONSIBLE FOR CALL-OUT WORK ON THE LIGHTING SYSTEM ON A 24/7 BASIS AND REPAIRS SHALL BE MADE ON A NEXT DAY BASIS TO KEEP ALL LIGHTS FUNCTIONING EVERY NIGHT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK. TEMPORARY LIGHTING WILL BE LEFT IN PLACE UNTIL IT'S REMOVAL IS APPROVED BY THE ENGINEER.

1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE – UNDERPASS

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	36 FT
	Number Of Lanes	3
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	16 FT
	Mast Arm Length	N/A
	Pole Set-Back From Edge Of Pavement	9 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	16,000
	IES Vertical Distribution	Very Short
	IES Control Of Distribution	Non-Cutoff
	IES Lateral Distribution	4
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	45 FT
	Configuration	Single Side
	Luminaire Overhang Over Edge Of Pavement Lane	N/A

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	0.9	fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.6	Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5	
	(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3	

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1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE – CONVENTIONAL

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	43 FT
	Number Of Lanes	3
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	15 FT
	Pole Set-Back From Edge Of Pavement	15 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50,000
	IES Vertical Distribution	M
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	450 FT
	Configuration	Staggered
	Luminaire Overhang Over Edge Of Pavement Lane	0 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	0.9	fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.6	Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5	
	(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3	

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1/1/03

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE – HIGH MAST

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	36 FT
	Number Of Lanes	3
	Median Width	24 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	100 FT
	Mast Arm Length	N/A
	Pole Set-Back From Edge Of Pavement	50 FT
	Luminaries Per Ring	6
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50,000
	IES Vertical Distribution	M
	IES Control Of Distribution	Cutoff
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	867 FT
	Configuration	Staggered
	Luminaire Overhang Over Edge Of Pavement Lane	N/A

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	0.9	fc
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.6	Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.5	
	(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Ave})	0.3	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS, GENERAL NOTES, AND PERFORMANCE REQUIREMENTS

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CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	258
	ILLINOIS FED. AID PROJECT			

MATCH LINE STA. 123+50

STA. 123+20
60' LT.

EXISTING LIGHTING CONTROLLER
TYPE CB-RCS-60-240
120/240 V SERVICE USED AS
TEMPORARY - SEE NOTE 2.

CIRCUIT 2

STA. 121+30
65' LT.

STA. 119+40
53' LT.
NOTE 4

TEMP. RAMP I

STA. 118+20
53' LT.

CIRCUIT 3
2 - 1/C NO.2 AERIAL CABLE WITH
MESSENGER WIRE"
(TYP. FOR CKT. 3)

CIRCUIT 2

STA. 116+10
53' LT.

CIRCUIT 1

DOWNGUY AND ANCHOR
(TYP.)

TEMP. RAMP J

STA. 310+40
30' RT.

STA. 308+60
30' RT.

STA. 306+80
30' RT.

STA. 305+00
30' RT.

I-80

REMOVE SIGN LIGHTING
NOTE 3

STA. 407+00
20' RT.

STA. 408+50
20' RT.

STA. 410+00
20' RT.

STA. 411+50
20' RT.

CIRCUIT 3

STA. 413+50
140' LT.

STA. 113+90
53' LT.

CIRCUIT 3

TEMP. RAMP K

STA. 112+10
53' LT.
NOTE 1

TEMP. RAMP L

STA. 109+80
70' LT.

STA. 107+60
53' LT.

STA. 105+40
53' LT.

IL 178

CONCRETE STEEL RAILING

STA. 127+30
53 LT.

STA. 125+10
60' LT.

MATCH LINE STA. 123+50

N

LEGEND

- $\boxtimes_R$ EXISTING LIGHTING UNIT TO BE REMOVED.
- $\boxtimes_T$ TEMPORARY LIGHTING UNIT, WOOD POLE, 60 FT, CLASS 4, 250 WATT HPS LUMINAIRE, 52 FT MOUNTING HEIGHT.
- TEMPORARY WOOD POLE, 60 FT, CLASS 4, UNLESS NOTED OTHERWISE.
- EXISTING LIGHTING CONTROLLER, USED AS TEMPORARY.
- —T———T— TEMPORARY UNIT DUCT, 2 - 1/C NO. 4, 1/C NO. 6 GROUND, (XLP - TYPE USE), 1" DIA. POLYETHYLENE.
- —A———A— AERIAL CABLE, 2 - 1/C NO.4 UNLESS OTHERWISE NOTED WITH MESSENGER WIRE.

1. CONTRACTOR TO INSTALL TWO 250 WATT HPS LUMINAIRES. ONE LUMINAIRE SHALL BE AIMED PERPENDICULAR TO IL RTE. 178 EDGE OF PAVEMENT AND ONE PERPENDICULAR TO TEMPORARY RAMP K EDGE OF PAVEMENT.
2. THE COST OF ALL WORK ASSOCIATED WITH CONNECTING, RECONNECTING AND REMOVING OF TEMPORARY LIGHTING CIRCUITS IN EXISTING LIGHTING CONTROLLER SHALL BE INCLUDED IN THE COST OF TEMPORARY UNIT DUCT 2 - 1/C NO.4, 1/C NO.6 GROUND.
3. THE COST OF REMOVING SIGN LIGHTING SHALL BE INCLUDED IN THE COST OF REMOVAL OF LIGHTING UNIT, NO SALVAGE.
4. TEMPORARY LUMINAIRE AT STA. 119+40 TO BE AIMED PERPENDICULAR TO TEMPORARY RAMP I EDGE OF PAVEMENT.
5. STATION/OFFSET INFORMATION FOR TEMPORARY LIGHTING UNITS AND TEMPORARY WOOD POLES ARE PROVIDED WITH RESPECT TO PROPOSED ALIGNMENTS.
6. CONTRACTOR SHALL INSTALL TEMPORARY UNIT DUCT FROM THE EXISTING LIGHTING CONTROLLER TO THE ADJACENT TEMPORARY WOOD POLE TO FEED TEMPORARY CIRCUITS 2 AND 3. RUN TEMPORARY UNIT DUCT UP THE POLE AND SPLICE TO AERIAL CABLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE "UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE" PAY ITEM.

0 100 200 300
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN

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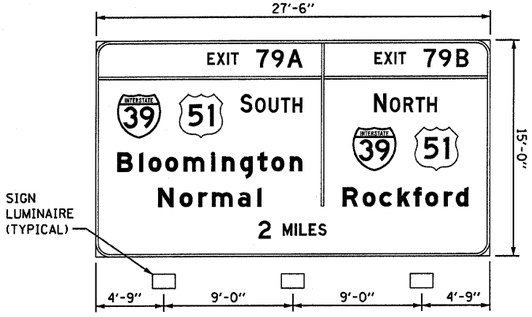
CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	259
	ILLINOIS FED. AID PROJECT			



SIGN 15 LIGHTING DETAIL
NO SCALE

MATCH LINE STA. 125+00

NOTE:

CONDUIT PUSHED SHALL BE PVC SCHEDULE 80 AND SHALL BE ACCORDING TO SECTION 810.

LEGEND

- PROPOSED LIGHT TOWER, 100 FT MOUNTING HEIGHT, 6 OR 4 400w HPS LUMINAIRES
- PROPOSED LIGHTING UNIT, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, 400w HPS LUMINAIRE, M-C-III
- PROPOSED LIGHTING CONTROLLER
- SERVICE INSTALLATION
- PROPOSED UNIT DUCT
- CONDUIT PUSHED, PVC, DIA. AS NOTED
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE

CABLE /CONDUIT SCHEDULE

- (A) UNIT DUCT, 600V, 2 - 1C NO. 6, 1/C NO.8 GROUND, (XLP - TYPE USE), 1" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2 - 1C NO.4, 1/C NO.6 GROUND (XLP - TYPE USE), 1" DIA. POLYETHYLENE
- (C) UNIT DUCT, 600V, 2 - 1C NO. 2, 1/C NO.4 GROUND, (XLP - TYPE USE), 1¼" DIA. POLYETHYLENE

SCALE IN FEET: 0 100 200 300

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING

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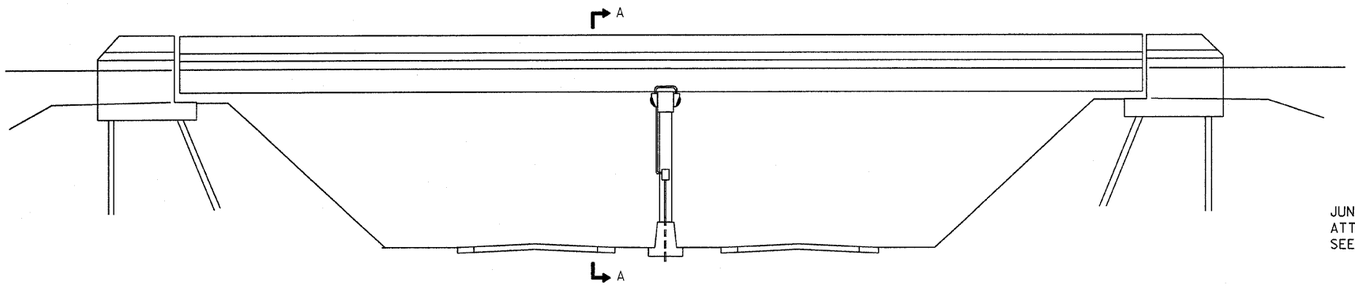
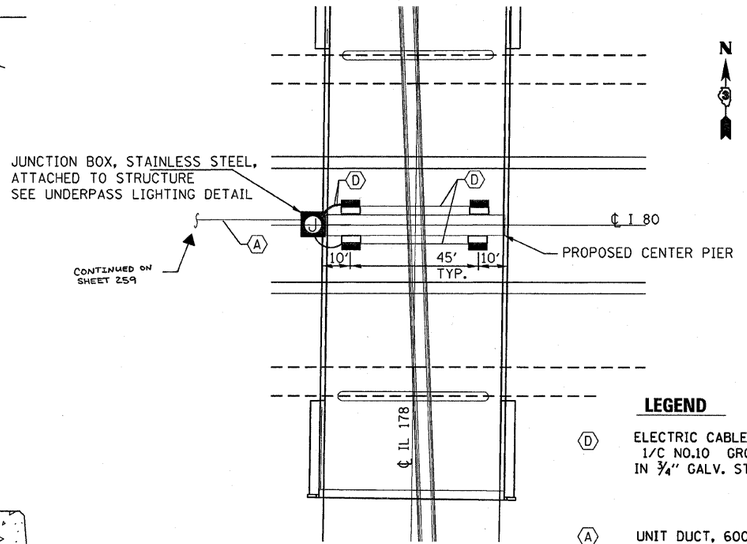
CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	260
ILLINOIS FED. AID PROJECT				



OVERPASS ELEVATION
(Not to Scale)



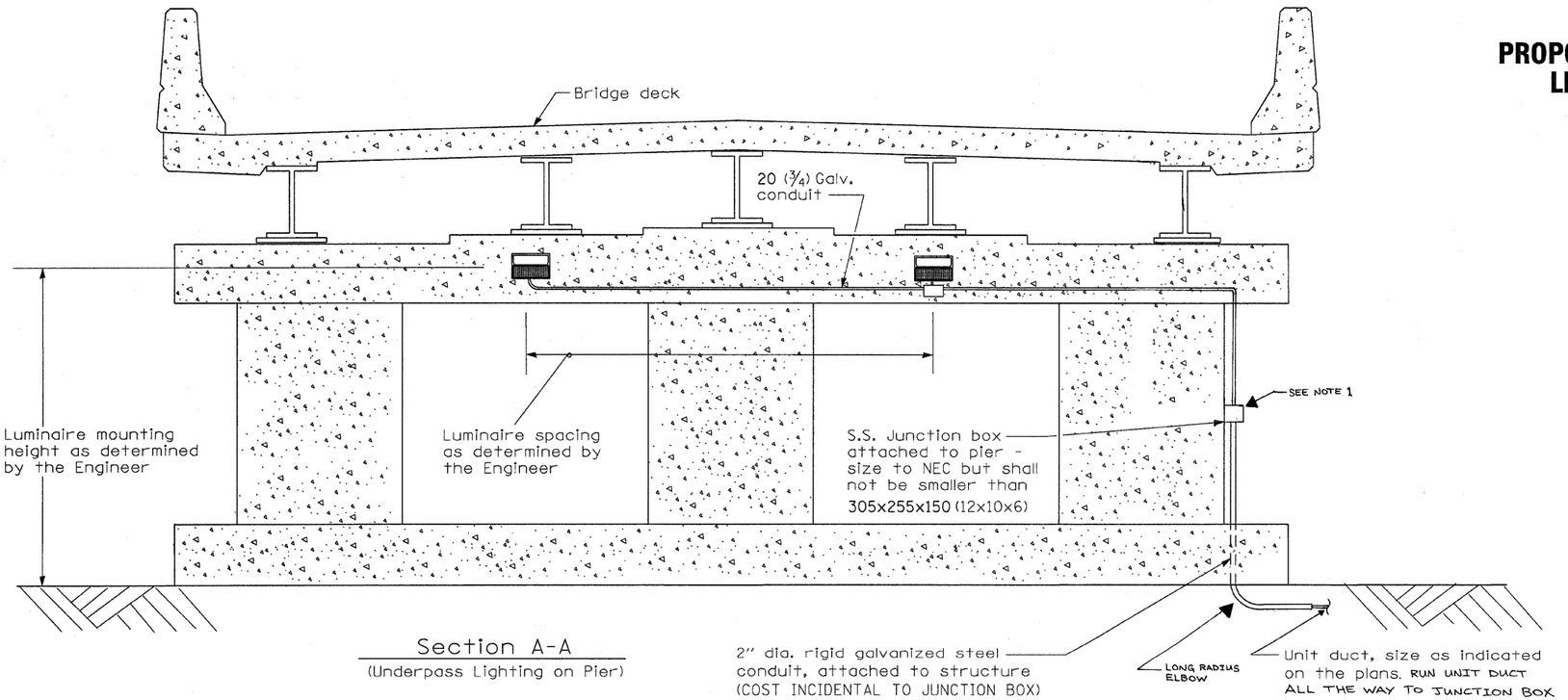
PROPOSED UNDERPASS LIGHTING PLAN

LEGEND

(D) ELECTRIC CABLE IN CONDUIT, 600V, 2 - 1C NO. 10, 1/C NO.10 GROUND, (XLP - TYPE USE), IN ¾" GALV. STEEL CONDUIT ATTACHED TO STRUCTURE

(A) UNIT DUCT, 600V, 2 - 1C NO. 6, 1/C NO.8 GROUND, (XLP - TYPE USE), 1" DIA. POLYETHYLENE

PROPOSED UNDERPASS LIGHTING LUMINAIRE, 150w HPS, 16 FT MOUNTING HEIGHT



Section A-A
(Underpass Lighting on Pier)

Not to scale

GENERAL NOTES

1.) Conduit and wiring from junction box at bridge pier to the underpass luminaire(s) shall be incidental to the cost of the underpass luminaire(s). This includes all appurtenances including, but not limited to; straps, clamps, hangers, fittings, attachments, hardware, etc.

2.) Conduit attached to structure shall be rigid galvanized conduit unless noted otherwise. All hardware shall be stainless steel and all conduit appurtenances, as noted above, shall be hot dip galvanized or stainless steel.

3.) A stainless steel junction box and flex conduit shall be installed in the conduit at any opening in the bridge deck where road salt can run down onto the conduit system. Routing and method of attachment of the conduit on the bridge structure and across piers shall be as approved by the Engineer.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

UNDERPASS LIGHTING WITH CENTER PIER ONLY

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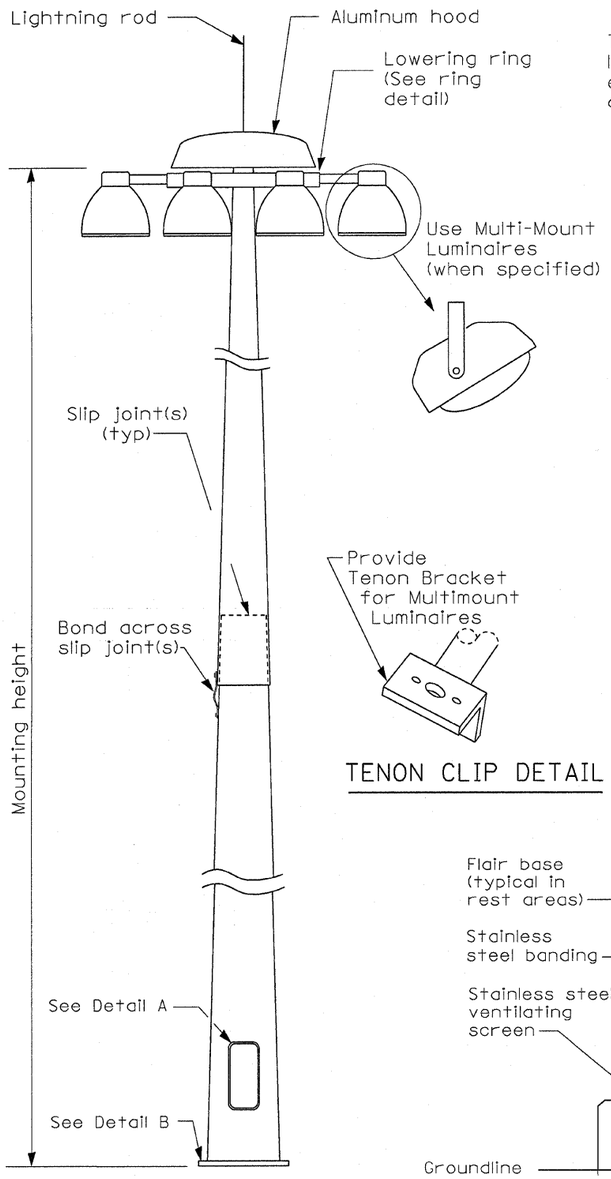
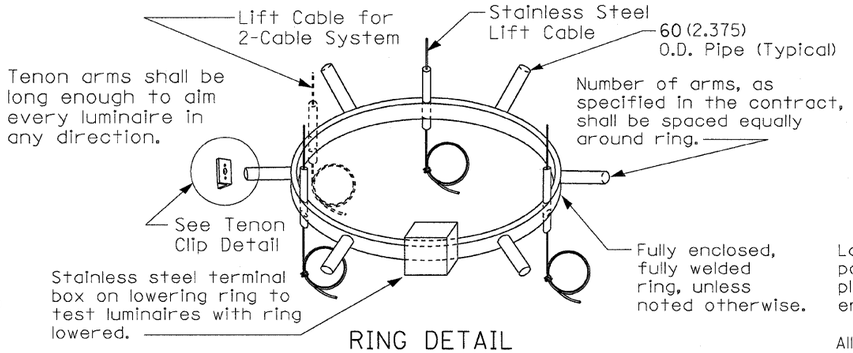
CONTRACT NO. 66542

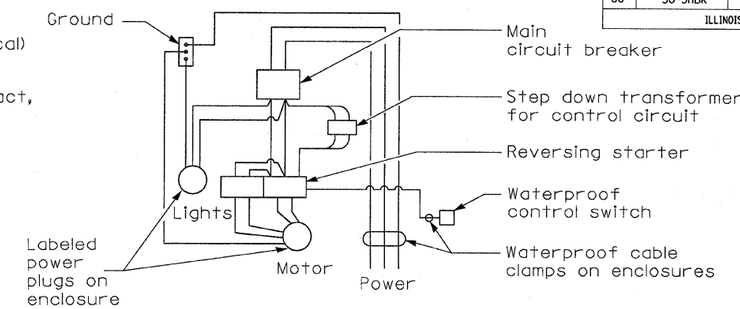
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	261
ILLINOIS FED. AID PROJECT				

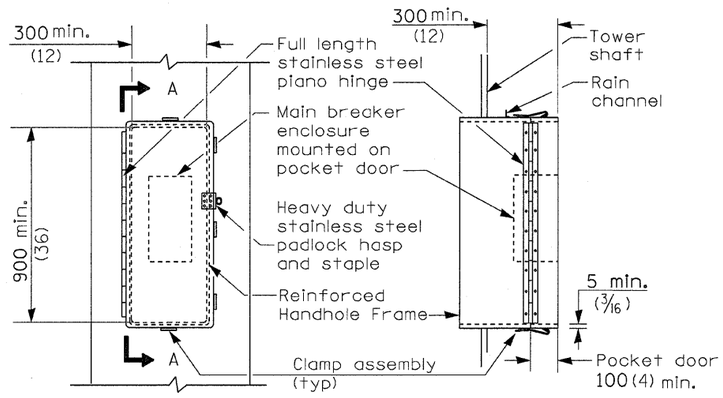


HIGH MAST POLE



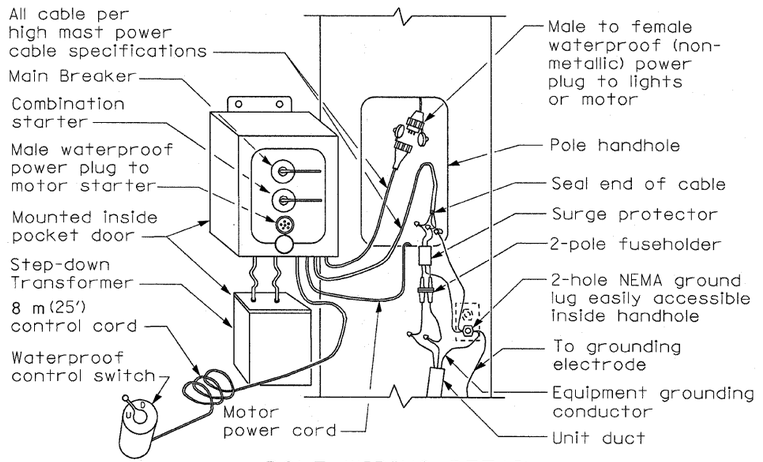
RING DETAIL



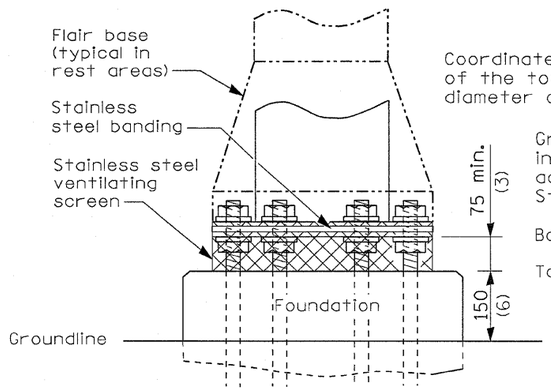


DETAIL A

SECTION A-A



POLE WIRING DETAIL



DETAIL B

GENERAL NOTES

1) Luminaires shall be aimed as shown on the aiming schedule in the plans and as directed by the Engineer.
2) Handhole door shall have a minimum of one clamp assembly on top and bottom and a minimum of three clamp assemblies on the non-hinged side of the door.
3) Provide racks to house all wiring so cables are neatly stored and the handhole door is not closing against a random lay of cables.
4) Verify adequate clearance exists to open and close the handhole door with no conflict of the main breaker panel which is mounted to the inside of the door.
5) The luminaire ring shall be balanced so it lowers evenly.
6) Manufacturer of lowering device shall factory wire the winch drive electrical control system. Cable attachment to plugs and polarity must be observed to prevent faults to ground when plugs are changed between lights and motor circuits. Alternate schemes shall be approved by the Engineer.

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

Not to scale

REVISIONS NAME	DATE

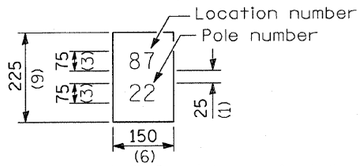
ILLINOIS DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER

PLOT DATE = Feb. 18, 2020 - 01:42:46 PM
FILE NAME = e:\pw_work\PWIDOT\CARPENTERDJ\d0441493\EPB5582-sht-lighting details.dgn
PLOT SCALE = 612.600 m / IN.
USER NAME = carpenterdj

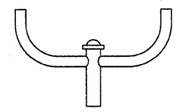
CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	262
	ILLINOIS	FED. AID PROJECT		

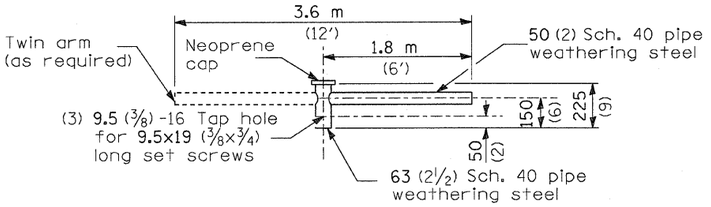


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 1069.06 of the Standard Specifications, approximatey 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 720001.

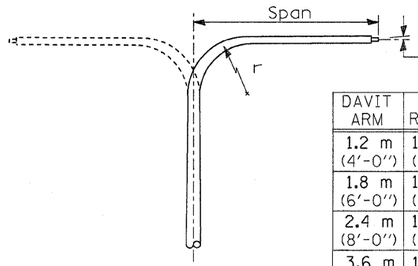


☐ TWIN TENON



☐ TENON MOUNT BRACKET ARM

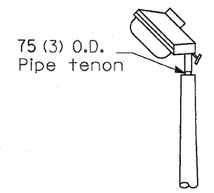
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



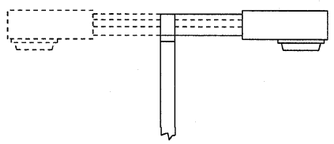
DAVIT ARM	BEND RADIUS
1.2 m (4'-0")	1.14 m (3'-9")
1.8 m (6'-0")	1.14 m (3'-9")
2.4 m (8'-0")	1.14 m (3'-9")
3.6 m (12'-0")	1.14 m (3'-9")

☒ DAVIT ARM

☐ DAVIT ARM-TWIN

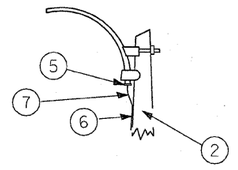


☐ TENON

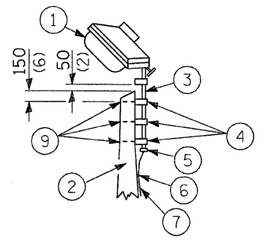


☐ SHORT BRACKET

☐ SHORT BRACKET - TWIN

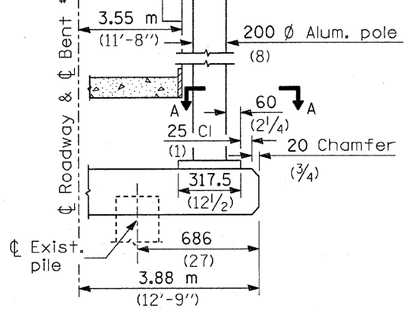


☐ MAST ARM

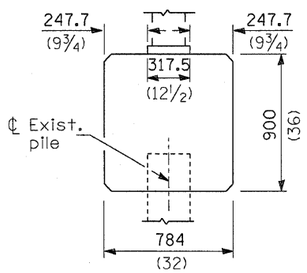


☐ TENON

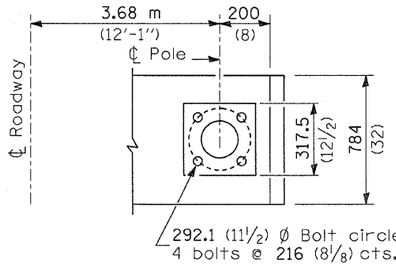
1. Luminaire
2. Wood pole, class 3 or better
3. 63 (2 1/2) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on 600 (24) centers
7. 2/c #12 Type use cable
8. 25 (1) Galv. steel conduit 3.0 m (10') in length
9. 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on 900 (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Condulet, threaded
14. 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



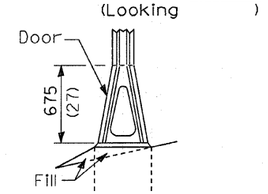
BENT # (Looking)



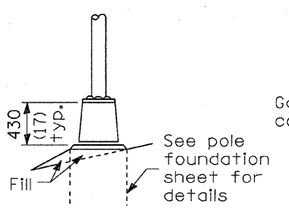
☐ BRIDGE PIER MOUNT



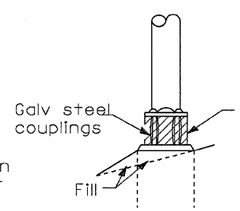
SECTION A-A



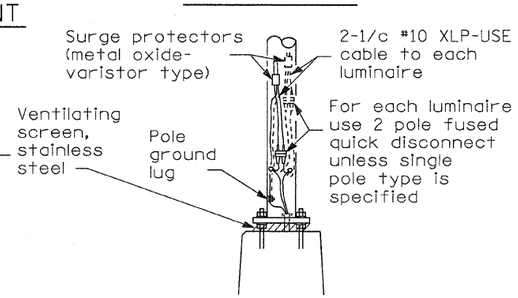
☐ STAINLESS STEEL FLAIR BASE



☐ TRANSFORMER BASE



☒ BREAKAWAY COUPLING

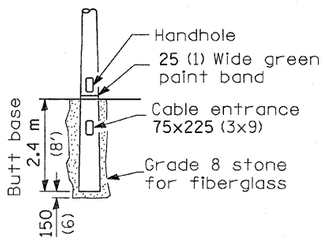


☐ ANCHOR

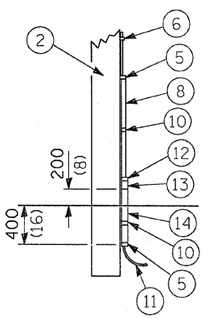
☒ FRANGIBLE

☒ METAL OR ☐ CONCRETE

Details for underground distribution if required



☐ BUTT BASE



☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

Not to scale

REVISIONS NAME	DATE

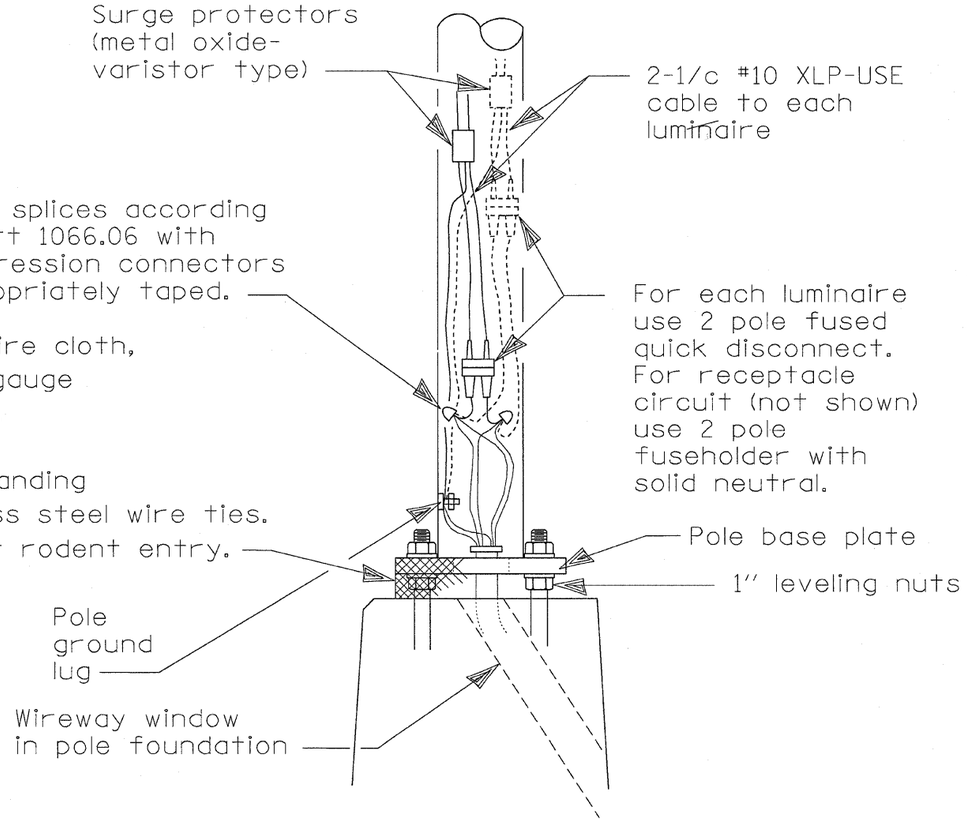
ILLINOIS DEPARTMENT OF TRANSPORTATION

POLE STANDARDS

PLOT DATE = Feb 10, 2018 - 8:43:08 PM
FILE NAME = c:\pw_work\PWIDOT\CARPENTERDJ\d0641493\EP82582-sht-lighting details.dgn
PLOT SCALE = 8.2.600 mi / IN.
USER NAME = carpenterdj

CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	263
ILLINOIS FED. AID PROJECT				



WIRING DETAIL

NO SCALE

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

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

Not to scale

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

POLE HANDHOLE WIRING

PLOT DATE = Feb. 18, 2019 - 8:43:22 PM
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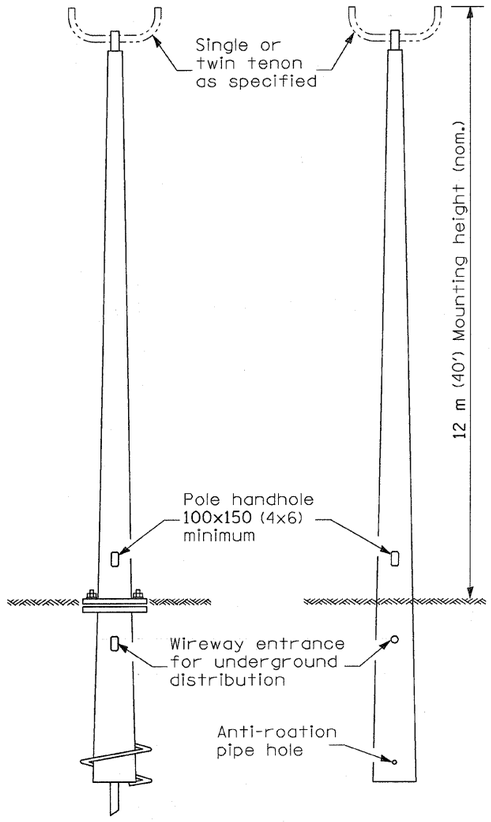
PLOT SCALE = 8\12.690 ni / IN.
USER NAME = carpenterdj

CONTRACT NO. 66542

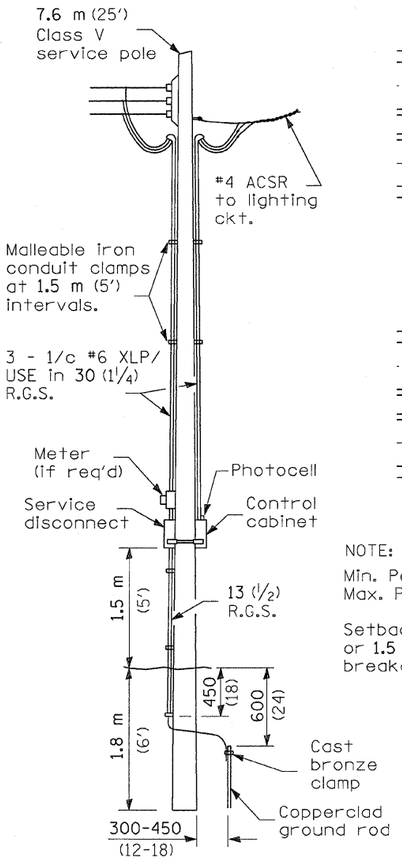
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	264
ILLINOIS FED. AID PROJECT				



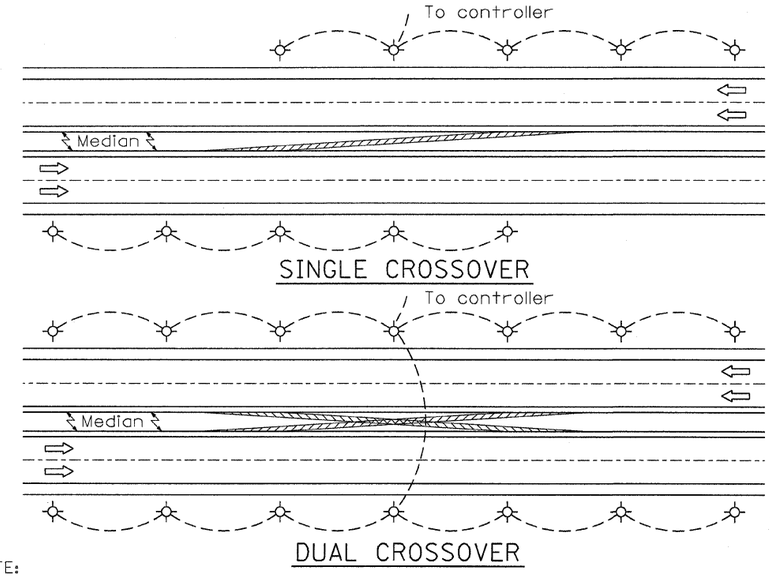
ANCHOR BASE W/ METAL FOUNDATION

BUTT BASE

POLE, FIBERGLASS BREAKAWAY TYPE



SERVICE INSTALLATION



NOTE:

Min. Pole spacing 60 m (200')
Max. Pole spacing 75 m (250')

Setback shall be min. 9 m (30') or 1.5 m (5') back of ditch, unless breakaway type pole is used.

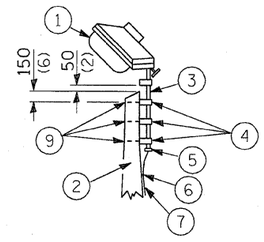
1. Luminaire
2. Wood pole, class 3 or better
3. 63 (2½) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on 600 (24) centers
7. 2/c #12 Type USE cable
8. 25 (1) Galv. steel conduit 3.0 m (10') in length

NOTE:

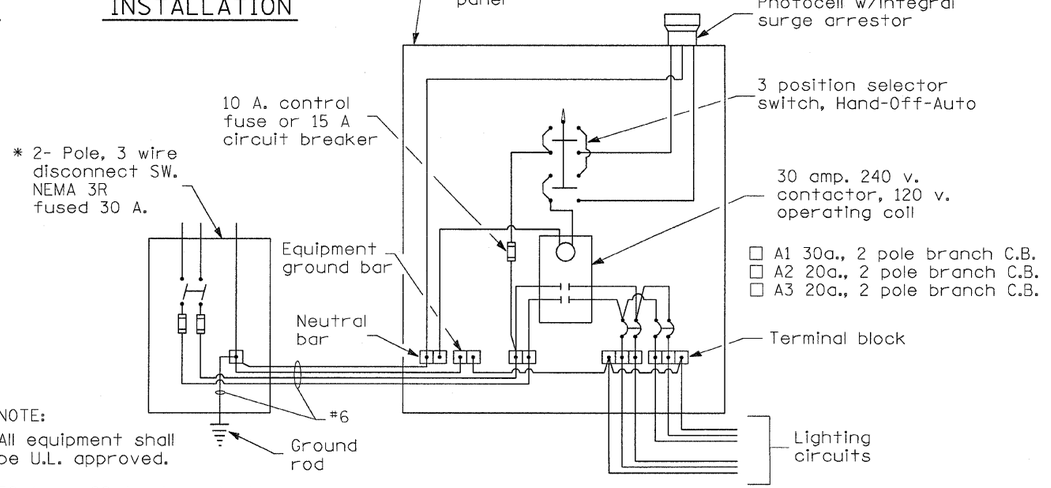
Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommended by the Engineer.

Connect luminaire equipment ground to ACSR messenger.



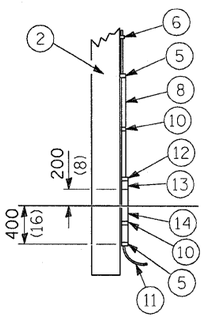
9. 16 (⅝) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on 900 (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Condulet, threaded
14. 40 (1½) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



NOTE:
All equipment shall be U.L. approved.

* 30 A. or 60 A., dependent upon utility co. rules.

WIRING DIAGRAM



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

Not to scale

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY ROADWAY LIGHTING

PLOT DATE = Feb 18, 2008 - 01:43:25 PM
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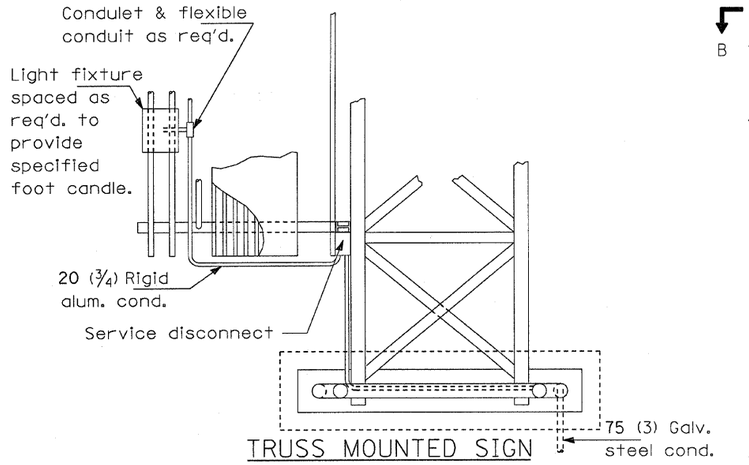
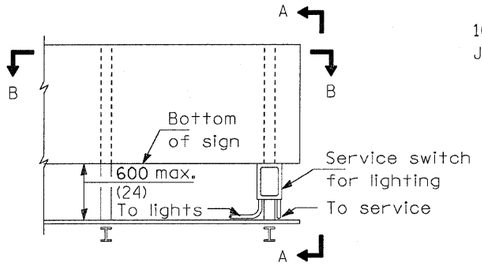
PLOT SCALE = 0.2000 in./ IN.
USER NAME = carpenterdj

CONTRACT NO. 66542

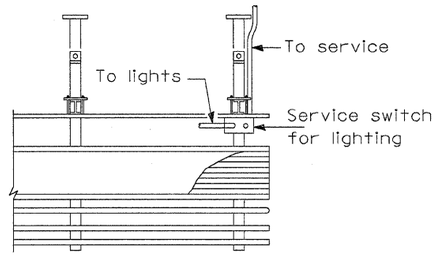
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	265
	ILLINOIS FED. AID PROJECT			



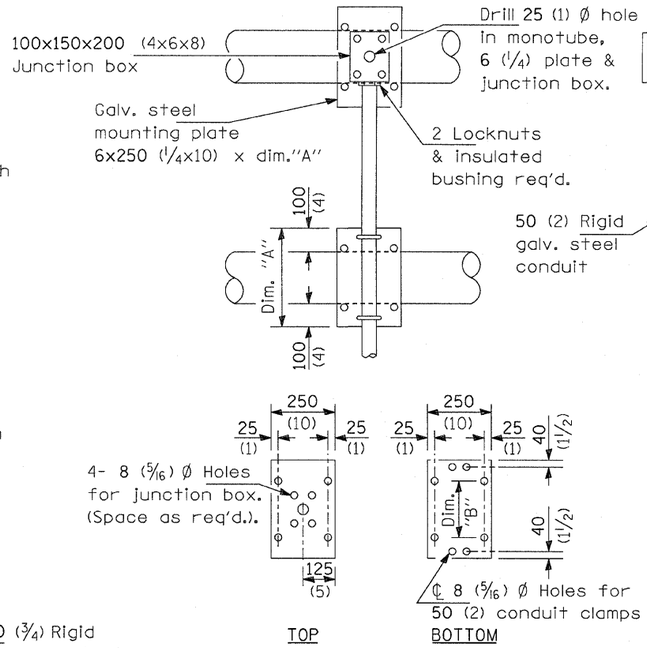
TRUSS MOUNTED SIGN
(Top view)



FRONT ELEVATION

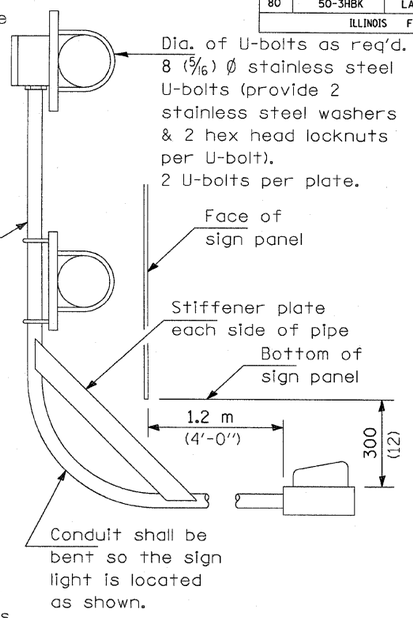


SECTION B-B

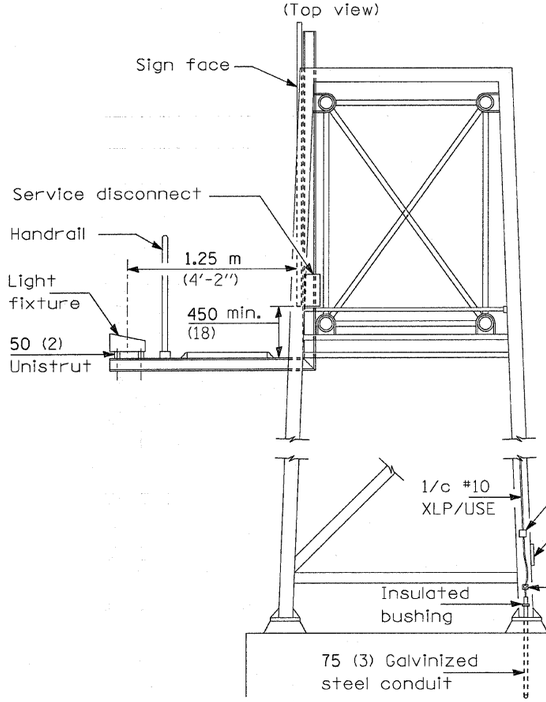


TOP BOTTOM

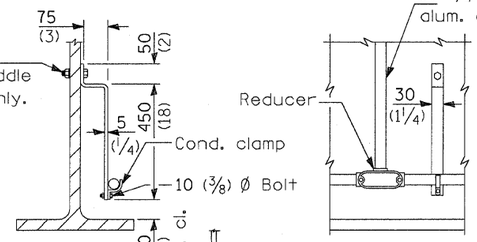
Dimension "A" = monotube dia. + 200 (8)
Dimension "B" = monotube dia. + 10 (3/8)

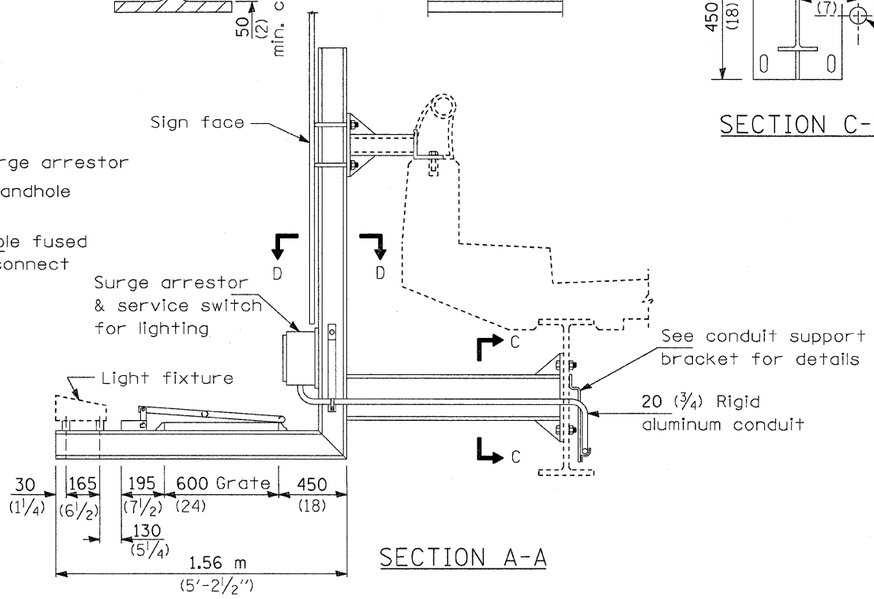


TWIN MONOTUBE



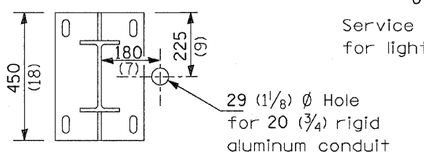
TRUSS MOUNTED SIGN
(Side elevation)



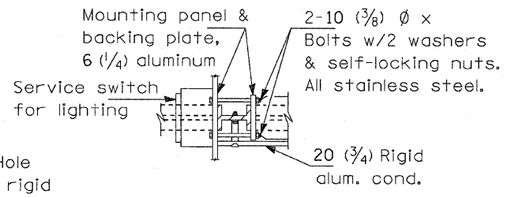


SECTION A-A

MOUNTING PLATES



SECTION C-C



SECTION D-D

GENERAL NOTES

All sign lighting fixtures shall have a minimum of 3 mounting points.

All mounting hardware shall be stainless steel.

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

Not to scale

REVISIONS NAME	DATE

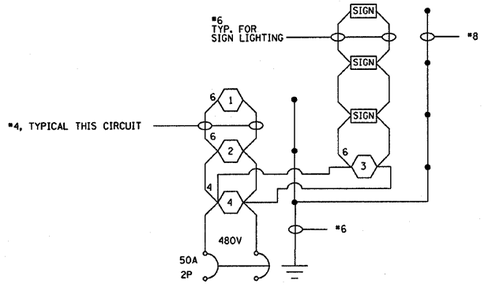
ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN LIGHTING DETAILS

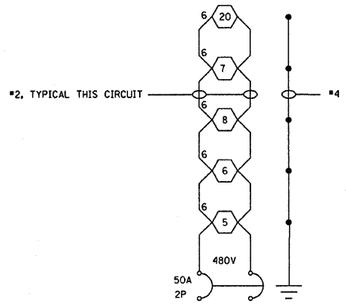
PLOT DATE = Feb 10, 2010 - 01:43:48 PM
FILE NAME = c:\Documents\work\PWIDOT\CARPENTERDJ\Desk41493\SP265982-ahx-lighting details.dgn
PLOT SCALE = 8012.600 m / IN.
USER NAME = carpenterdj

CONTRACT NO. 66542

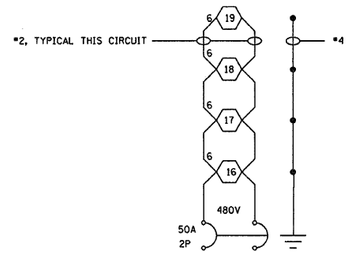
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	266
	ILLINOIS	FED. AID PROJECT		



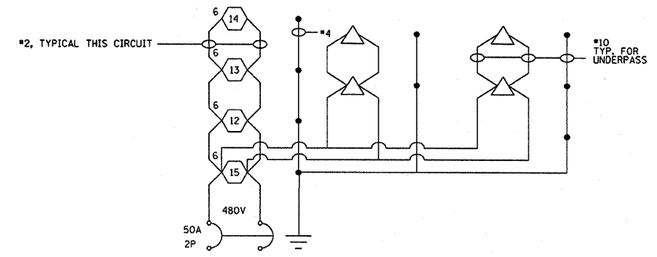
LIGHTING CIRCUIT 1
PROPOSED LIGHTING CONTROLLER NO. 1



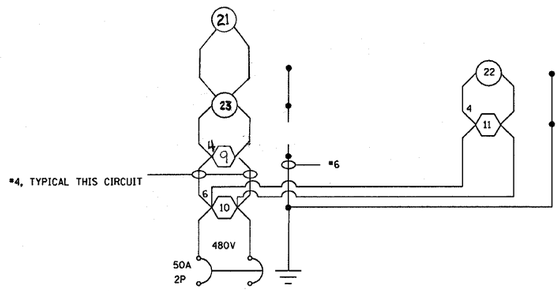
LIGHTING CIRCUIT 2
PROPOSED LIGHTING CONTROLLER NO. 1



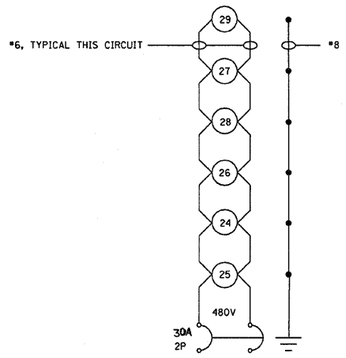
LIGHTING CIRCUIT 3
PROPOSED LIGHTING CONTROLLER NO. 1



LIGHTING CIRCUIT 4
PROPOSED LIGHTING CONTROLLER NO. 1



LIGHTING CIRCUIT 5
PROPOSED LIGHTING CONTROLLER NO. 1



LIGHTING CIRCUIT 6
PROPOSED LIGHTING CONTROLLER NO. 1

NOTES:

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

#	# INDICATES # OF LUMINAIRES PER TOWER
⬡	400W HPS TOWER LUMINAIRE
○	400W HPS LUMINAIRE
△	150W HPS UNDERPASS LUMINAIRE
SIGN	150W SIGN LUMINAIRE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

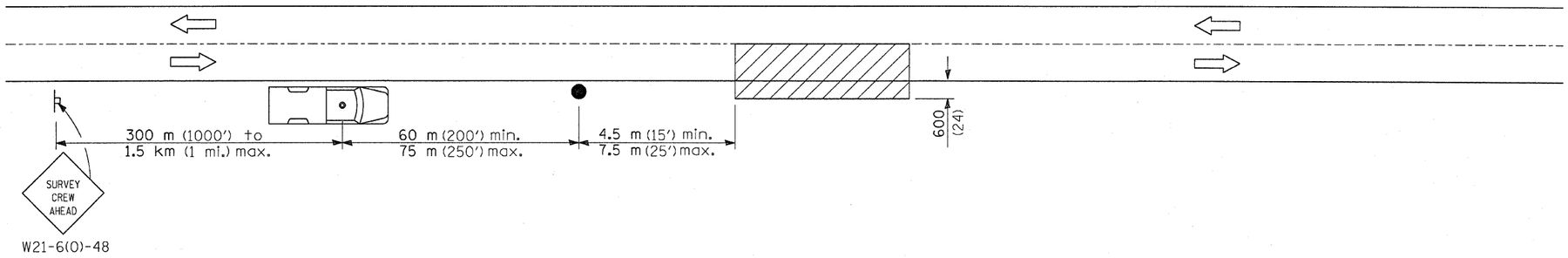
CIRCUIT DIAGRAMS

DATE: 1-6-2010

PLOT DATE = Feb 18 2010 - 01:46:32 PM
FILE NAME = o:\pw_work\IDOT\CARPENTERDJ\dgn\41493\Circuit Diagrams - Usco Interchange .dgn
PLOT SCALE = 1.4000 in / IN.
USER NAME = carpenterdj

CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-3HBK	LASALLE	492	267
ILLINOIS FED. AID PROJECT				



SYMBOLS

Work area

Sign on portable or permanent support

Truck with flashing amber light and dual emergency flashers

Flagger with traffic control sign

TYPICAL APPLICATIONS

Utility operations

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

Not to scale

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL FOR NIGHT TIME LIGHTING INSPECTION

PLOT DATE = Feb 10, 2010 - 01:45:25 PM
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CONTRACT NO. 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI80	(50-3)HBK	LASALLE	492	268

P-93-055-02
D-93-021-05

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED CONSTRUCTION PLANS

F.A.I. ROUTE 80 (I-80)
SECTION (50-3)HBK
PROJECT NO.
LASALLE COUNTY
C-93-019-05
INTERSTATE RECONSTRUCTION AND BRIDGE REPLACEMENT AT I-80 AND IL-178

VOLUME II OF II

CONTRACT NO. 66542

DISTRICT 3 PROJECT ENGINEER: JOE KANNEL (815) 434-8454, UNIT CHIEF: MICHELE LINDEMANN

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	KET	08/16/06
DRAWN	KET	08/16/06
REVIEWED	MTM	10/7/07

MODEL NAME = Cover Sheet 2
PLOT DATE = 20070928
FILE NAME = c:\prj_k\corr\c-93\C-93CDV.dgn
PLOT SCALE = 1000.0000 ' / in.
USER NAME = Johnsd0944

Bench Mark: Chisled □ on Pier Crashwall, Sta. 895+86, 1.6' Rt. Elev. 895.86.

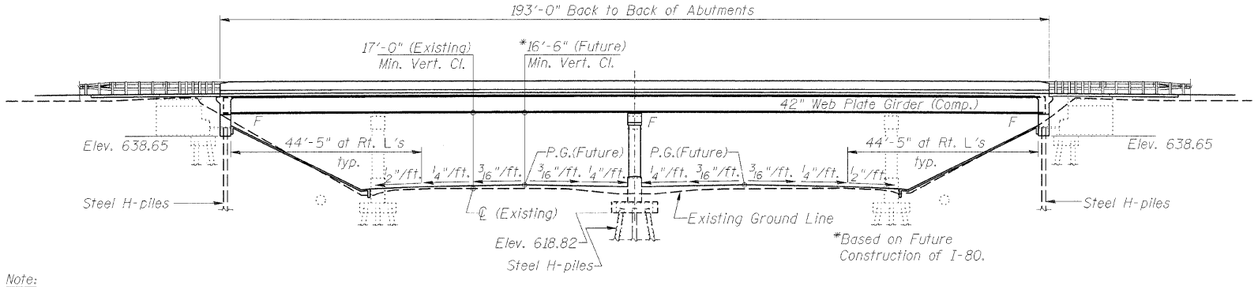
Existing Structure: S.N. 050-0084 built as F.A.I. Route 80, Sec. 50-24B-5 in 1961. Four simple span precast, prestressed concrete I-beams on open abutments and multi-column piers. 204'-7" back to back of abutments, 60'-0" out to out. Existing structure to be removed and replaced utilizing stage construction.

No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

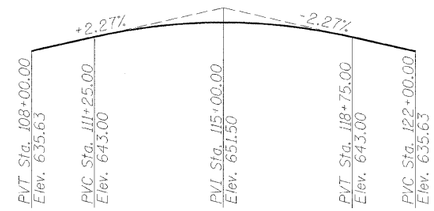
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	269
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
22 SHEETS
*50-3HBK
CONTRACT NO. 66542

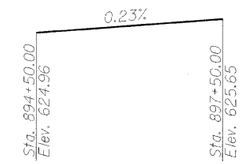


Note:
I-80 Roadway template shown is Future Construction.

ELEVATION



PROFILE GRADE IL 178
(Along Profile Grade)



PROFILE GRADE I-80
(Future Construction)

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO 17th Ed.

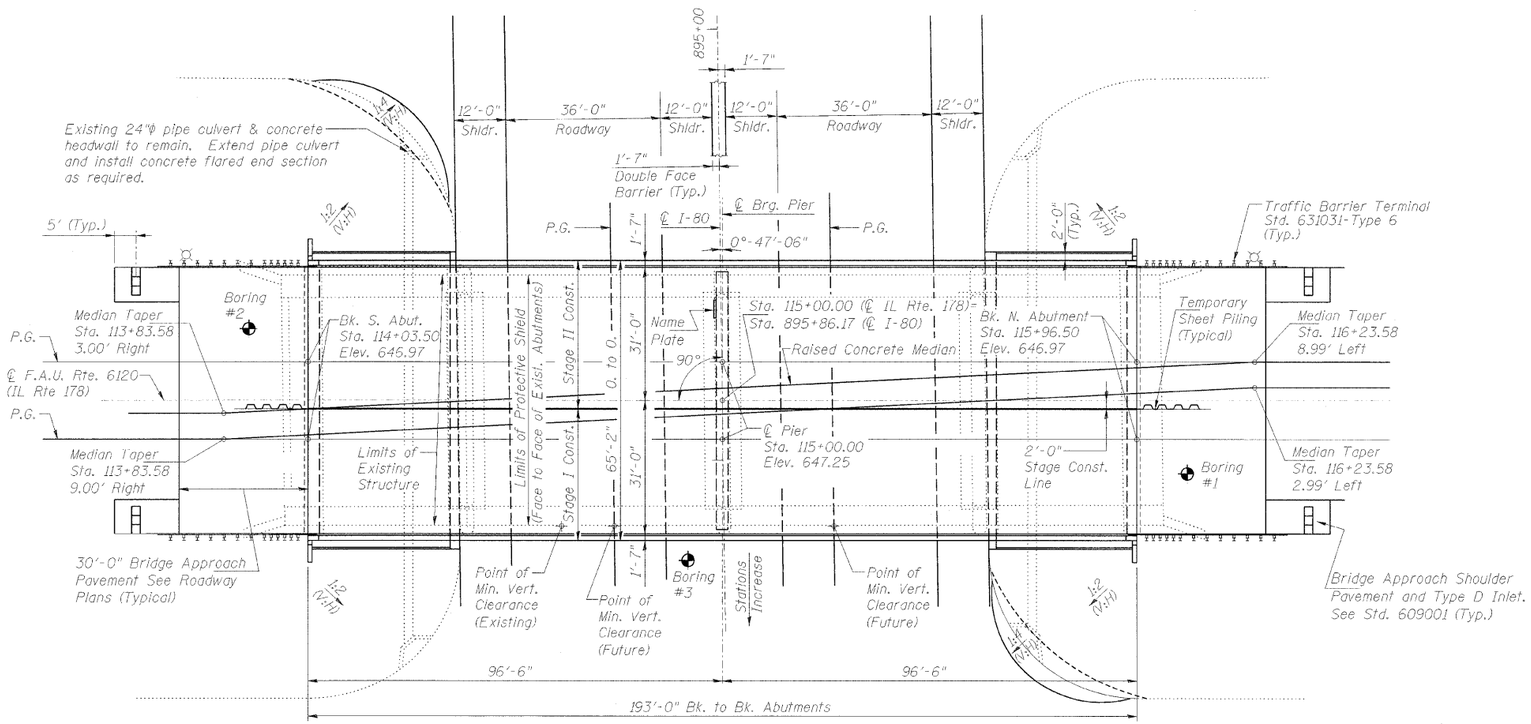
DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 36,000 psi (M270 Gr. 36 structural steel: Secondary Members)
f_y = 50,000 psi (M270 Gr. 50 structural steel: Primary Members)
f_y = 60,000 psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.038 g
Site Coefficient (S) = 1.0

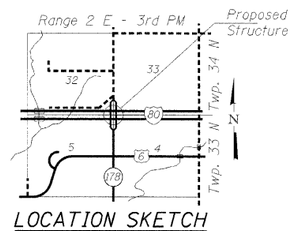


PLAN

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Rodyle E Anderson (TDD)
ENGINEER OF BRIDGES AND STRUCTURES

LICENSED STRUCTURAL ENGINEER
MICHAEL N. MENDENHALL
081-006657
STATE OF ILLINOIS

Michael N Mendenhall
SIGNATURE
12/23/09
DATE
LIC. EXP. DATE : 11/30/10



LOCATION SKETCH

GENERAL PLAN
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	RMT	1/15/07
REVIEWED	JJT	1/15/07

12/23/2009
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

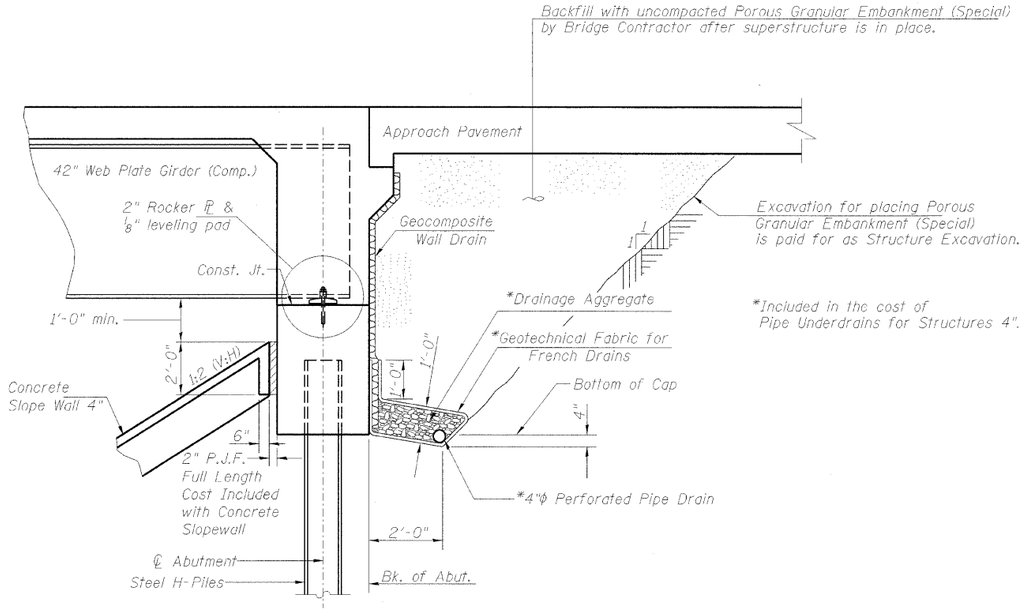
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	270
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

*50-3HBK

SHEET NO. 2
22 SHEETS
CONTRACT NO. 66542

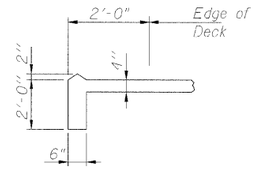
GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8" ϕ, open holes 15/16" ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel: AASHTO M270 Grade 50 = 280670 lbs.
   AASHTO M270 Grade 36 = 43320 lbs.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.) Adjustment shall be made either by grinding the surface or by shimming the bearing.
7. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
8. The Inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Intersate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".
9. If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.
10. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
11. Slipforming of parapets is not allowed.
12. The SSPC QP-1 painting contractor certifications will be required for this contract.

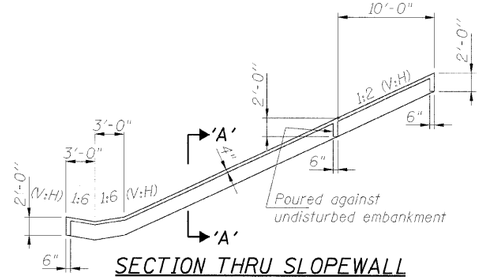


SECTION THRU INTEGRAL ABUTMENT AND SLOPEWALL

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and District 3 Highway Standard 611-3)



SECTION 'A'-'A'



SECTION THRU SLOPEWALL

Note: Slope wall shall be reinforced with welded wire fabric 6" x 6" - W4.0 x W4.0 58 lbs. / 100 Sq. Ft.

STATION 115+00.00
BUILT 20-- BY
STATE OF ILLINOIS
F.A.I. 80 SEC. 50-3HBK
LOADING HS20-44
STR. NO. 050-0248

NAME PLATE

See Std. 515001

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	-	-	1
Porous Granular Embankment, Special	Cu. Yd.	-	215	215
Structure Excavation	Cu. Yd.	-	523	523
Concrete Structures	Cu. Yd.	-	209.5	209.5
Concrete Superstructure	Cu. Yd.	411.9	-	411.9
Bridge Deck Grooving	Sq. Yd.	1137	-	1137
Protective Coat	Sq. Yd.	1504		1504
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	3552	-	3552
Reinforcement Bars, Epoxy Coated	Pound	107680	38910	146590
Slope Wall 4 Inch	Sq. Yd.	-	548	548
Furnishing Steel Piles HP 12x53	Foot	-	909	909
Furnishing Steel Piles HP 12x63	Foot	-	630	630
Driving Piles	Foot	-	1539	1539
Test Pile Steel HP 12x53	Each	-	2	2
Test Pile Steel HP 12x63	Each	-	1	1
Temporary Sheet Piling	Sq. Ft.	-	303	303
Name Plates	Each	-	1	1
Bar Splicers	Each	876	86	962
Protective Shield	Sq. Yd.	-	1287	1287
Pipe Underdrains for Structures 4"	Foot	-	215	215
Geocomposite Wall Drain	Sq. Yd.	-	118	118
Concrete Encasement	Cu. Yd.	-	7.0	7.0

EXISTING PAVEMENT PROFILE ELEVATIONS ALONG I-80

Along I-80 E.B. Outside E.O.P.		Along I-80 E.B. ℄ Roadway		Along I-80 E.B. Inside E.O.P.		Along I-80 W.B. Inside E.O.P.		Along I-80 W.B. ℄ Roadway		Along I-80 W.B. Outside E.O.P.	
Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation
894+50.63	624.29	894+50.18	624.51	894+50.28	624.36	894+50.31	624.36	894+50.04	624.52	894+49.40	624.32
895+00.08	624.22	894+99.95	624.50	895+00.04	624.37	895+00.56	624.34	895+00.21	624.45	895+00.78	624.23
895+51.14	624.40	895+50.22	624.62	895+50.09	624.42	895+50.41	624.37	895+50.53	624.50	895+51.36	624.31
895+99.57	624.51	895+99.63	624.73	895+99.94	624.50	895+99.96	624.51	895+99.87	624.76	896+00.45	624.58
896+50.00	624.60	896+49.64	624.83	896+49.57	624.57	896+50.31	624.66	896+50.09	624.78	896+50.44	624.61
896+99.08	624.71	896+99.39	624.91	897+00.01	624.73	896+99.59	624.88	897+00.35	625.04	897+00.55	624.81
897+50.05	624.95	897+49.94	625.17	897+50.20	624.99	897+50.26	625.09	897+50.19	625.22	897+49.94	625.00

GENERAL NOTES
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MW	12/15/05
DRAWN	RDS	1/15/07
REVIEWED	JJT	1/15/07

12-23-2009
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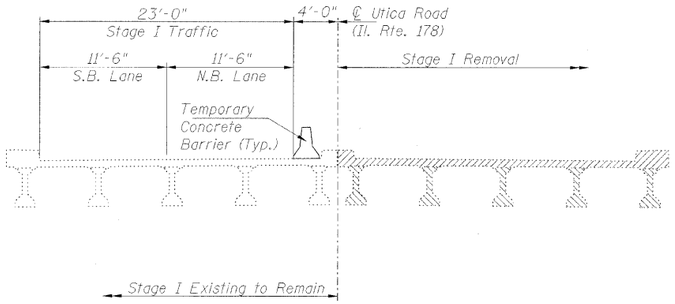
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	271
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

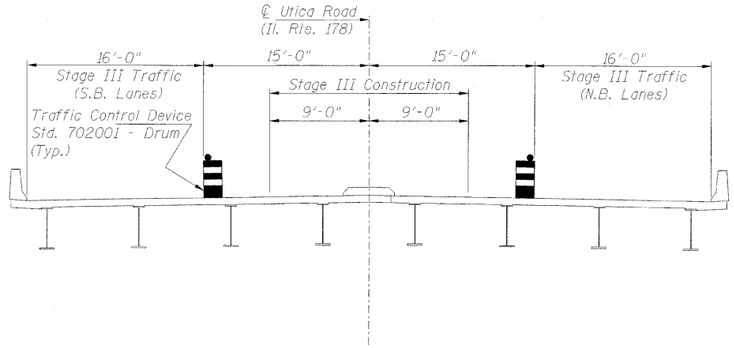
*50-3HBK

SHEET NO. 3
22 SHEETS
CONTRACT NO. 66542

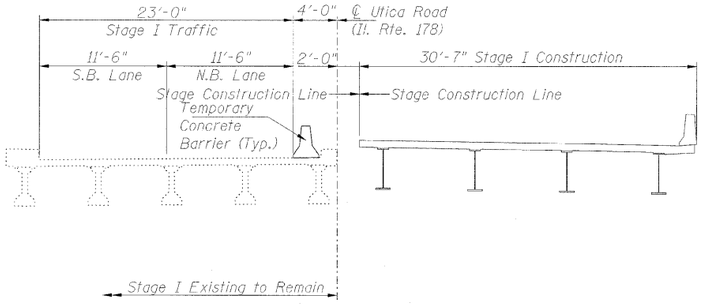


STAGE I REMOVAL

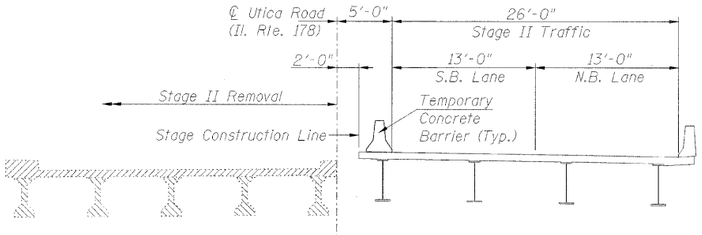
Note:
See Roadway Plans for quantities and pay items for Temporary Concrete Barrier and Traffic Control Devices.



STAGE III CONSTRUCTION



STAGE I CONSTRUCTION



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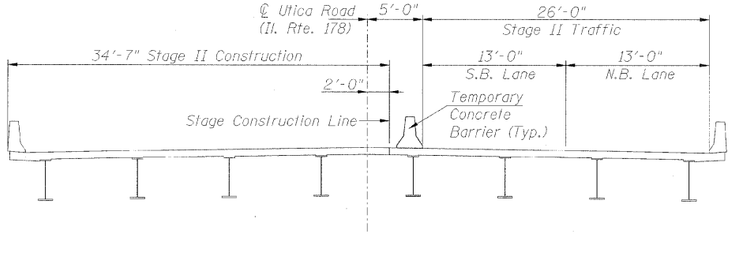

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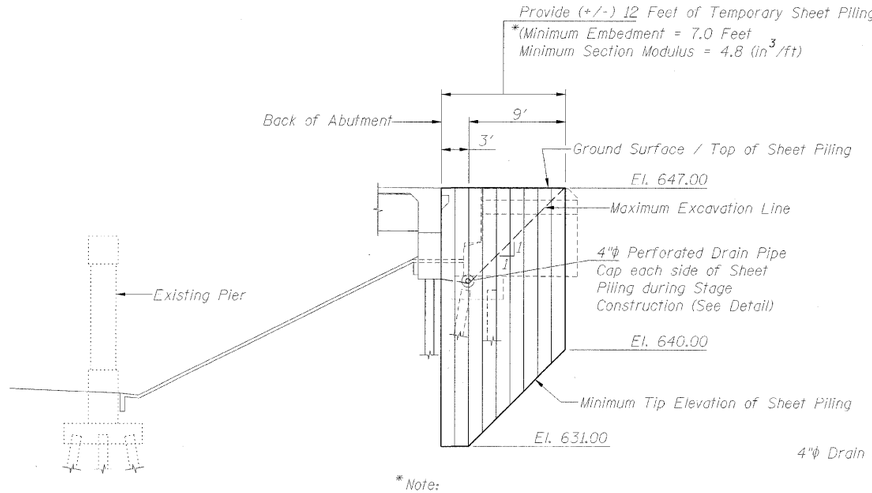
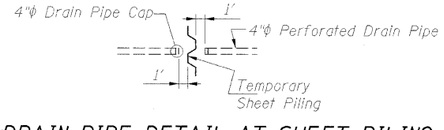


*Note:
Embedments are below proposed Excavation or Slope Lines.

TEMPORARY SHEET PILING
(North Abutment Shown - South Abutment Similar)



DRAIN PIPE DETAIL AT SHEET PILING

Note:
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

DECK STAGE CONSTRUCTION SEQUENCE
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MW	11/16/05
DRAWN	Rhy	1/15/07
RETRIEVED	JJT	1/15/07

12:23:2009
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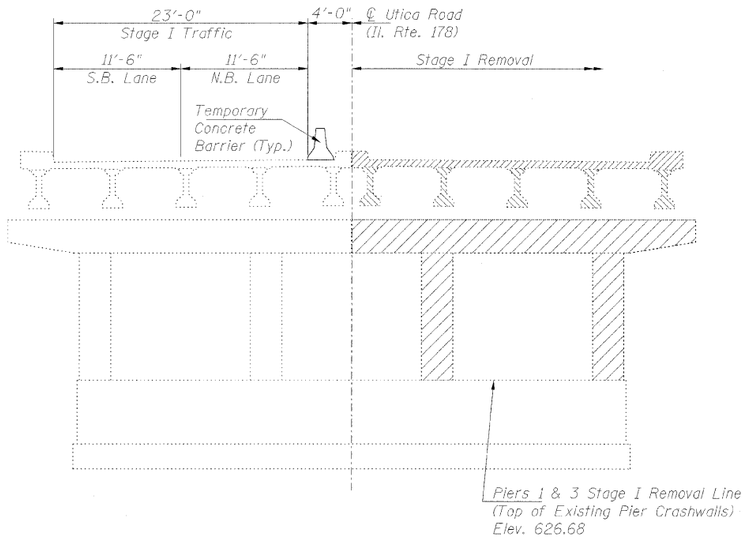
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	272
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 4
22 SHEETS
CONTRACT NO. 66542



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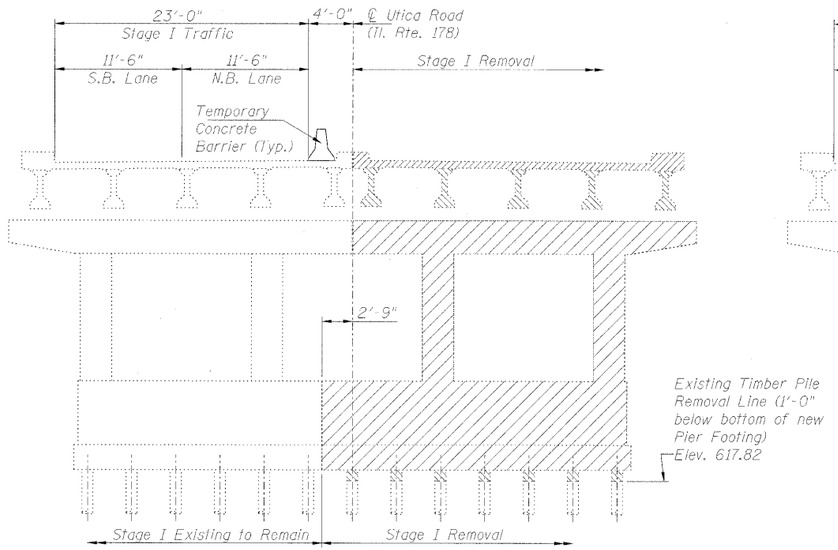

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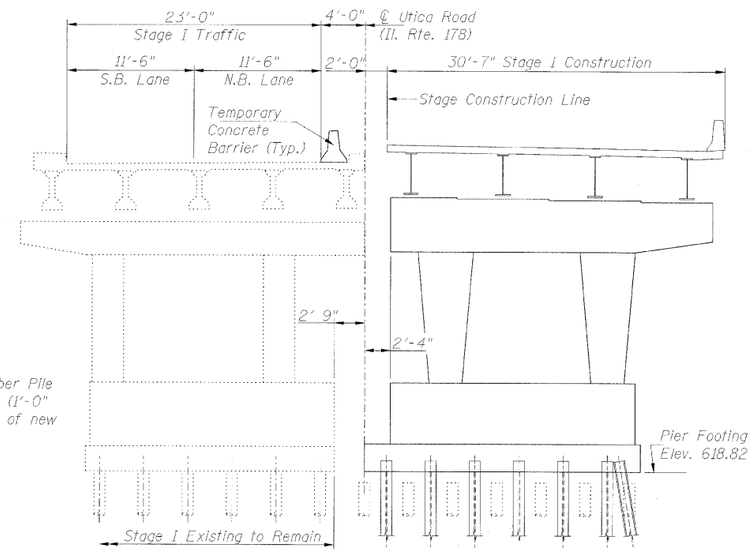

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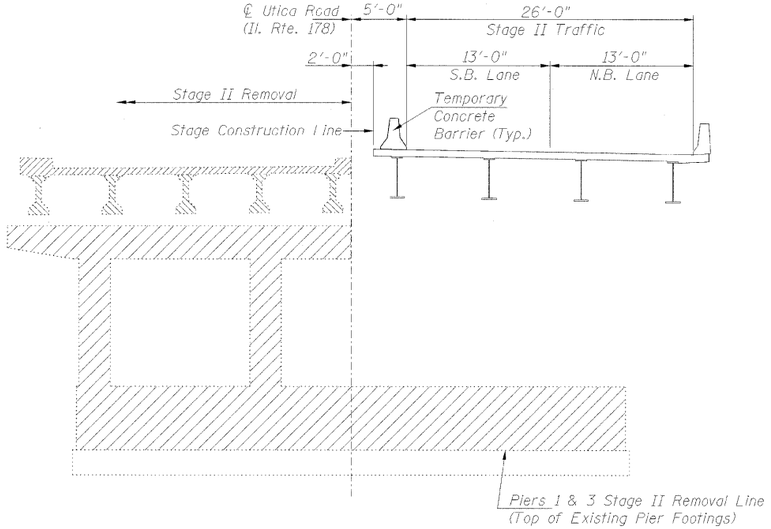

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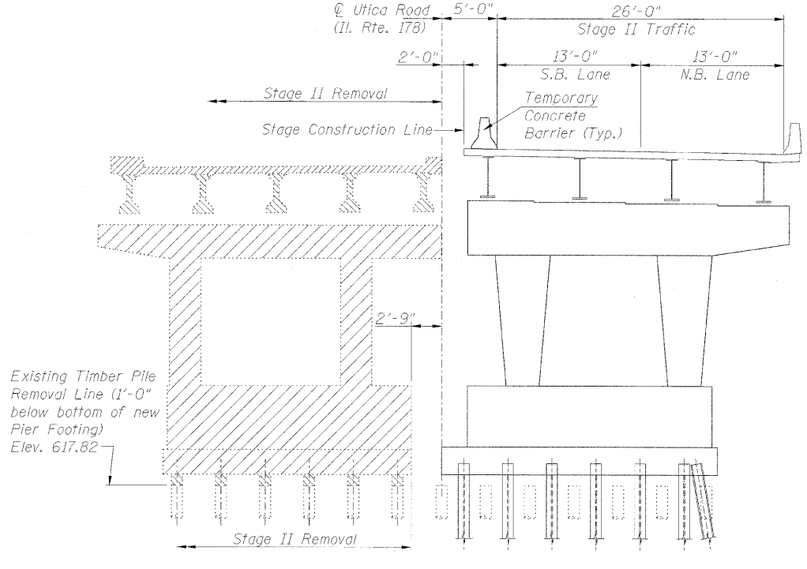

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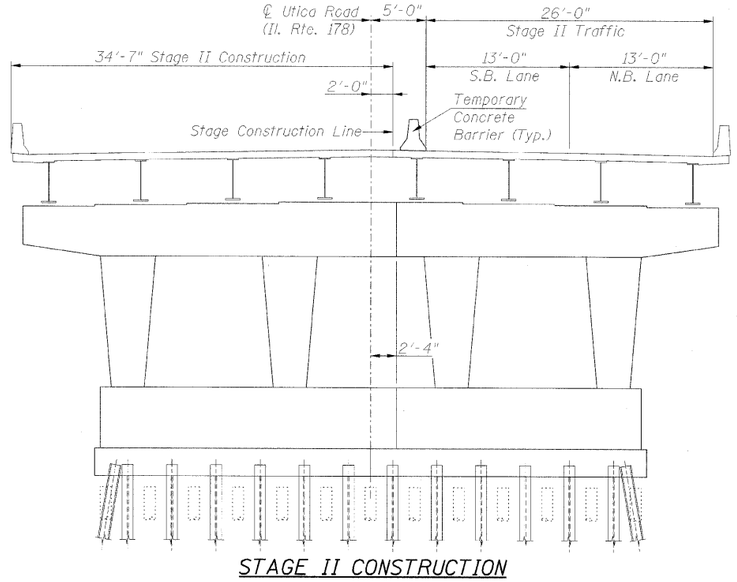

STAGE II CONSTRUCTION

EXISTING PIERS No. 1 & 3 STAGE CONSTRUCTION SEQUENCE

EXISTING PIER No. 2 and PROPOSED PIER STAGE CONSTRUCTION SEQUENCE

PIER STAGE CONSTRUCTION SEQUENCE
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015

DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	RJC	1/15/07
REVIEWED	JJT	1/15/07

12:33:2009
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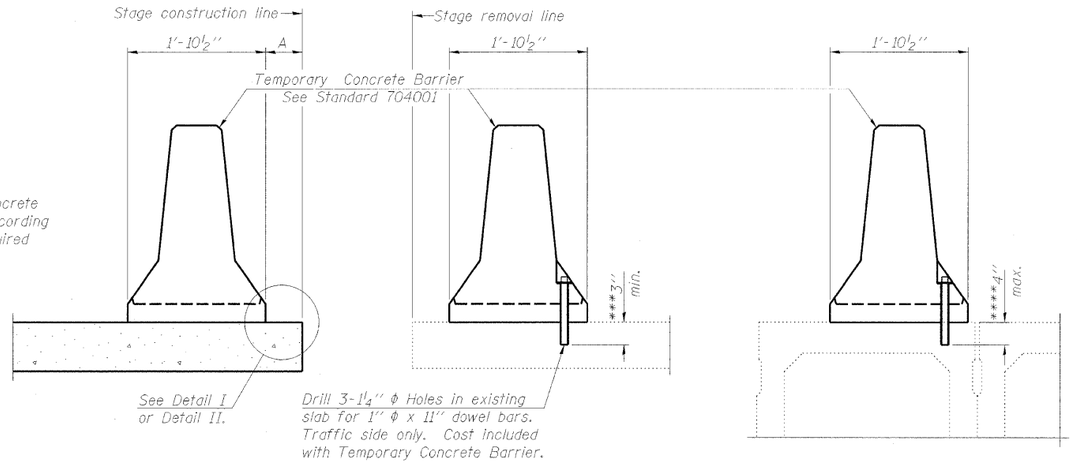
STATE OF ILLINOIS
DEPARTMENT OF TRANSLATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	273
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 5
22 SHEETS
CONTRACT NO. 66542

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel ℄ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x 10" steel ℄ to the concrete slab or concrete wearing surface with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

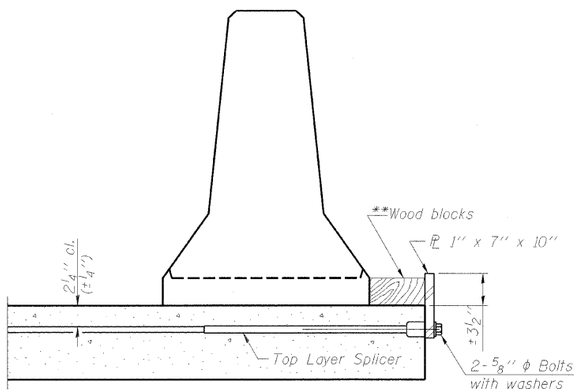
Cost of anchorage is included with Temporary Concrete Barrier.

The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

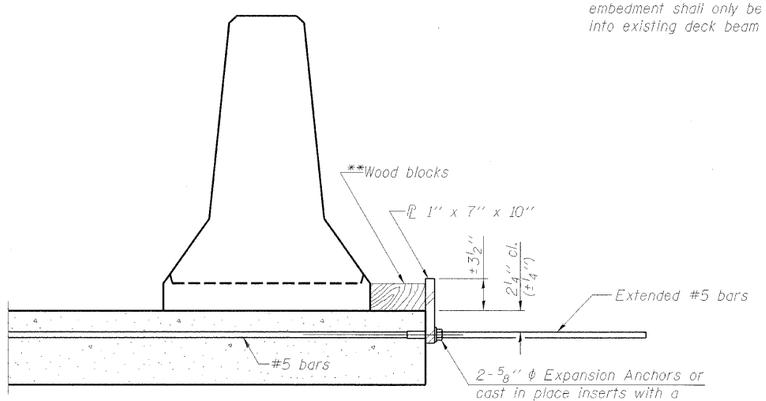
SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

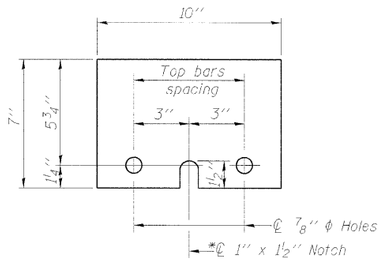
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER ℄ 1" x 7" x 10"

* Required only with Detail II

**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

TEMPORARY CONCRETE BARRIER
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMM	11/16/05
DRAWN	Rpd	1/15/07
REVIEWED	JJT	1/15/07

12/23/2009
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R-27

10-1-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	274
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

*50-3HBK

SHEET NO. 6
22 SHEETS
CONTRACT NO. 66542

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	-29.167	646.635	646.635
℄ Brg.	114+04.75	-29.167	646.643	646.643
a	114+14.75	-29.167	646.697	646.740
b	114+24.75	-29.167	646.746	646.831
c	114+34.75	-29.167	646.788	646.894
d	114+44.75	-29.167	646.824	646.936
e	114+54.75	-29.167	646.855	646.965
f	114+64.75	-29.167	646.879	646.962
g	114+74.75	-29.167	646.897	646.952
h	114+84.75	-29.167	646.910	646.942
i	114+94.75	-29.167	646.916	646.927
℄ Brg. Pier	115+00.00	-29.167	646.917	646.917
j	115+10.00	-29.167	646.914	646.935
k	115+20.00	-29.167	646.905	646.947
m	115+30.00	-29.167	646.890	646.957
n	115+40.00	-29.167	646.868	646.964
p	115+50.00	-29.167	646.841	646.956
q	115+60.00	-29.167	646.808	646.917
r	115+70.00	-29.167	646.769	646.871
s	115+80.00	-29.167	646.723	646.788
t	115+90.00	-29.167	646.672	646.694
℄ Brg.	115+95.25	-29.167	646.643	646.643
Bk. North Abut.	115+96.50	-29.167	646.635	646.635

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	-20.833	646.791	646.791
℄ Brg.	114+04.75	-20.833	646.798	646.798
a	114+14.75	-20.833	646.853	646.896
b	114+24.75	-20.833	646.901	646.987
c	114+34.75	-20.833	646.944	647.049
d	114+44.75	-20.833	646.980	647.092
e	114+54.75	-20.833	647.011	647.121
f	114+64.75	-20.833	647.035	647.117
g	114+74.75	-20.833	647.053	647.108
h	114+84.75	-20.833	647.066	647.098
i	114+94.75	-20.833	647.072	647.083
℄ Brg. Pier	115+00.00	-20.833	647.073	647.073
j	115+10.00	-20.833	647.070	647.091
k	115+20.00	-20.833	647.060	647.103
m	115+30.00	-20.833	647.045	647.113
n	115+40.00	-20.833	647.024	647.120
p	115+50.00	-20.833	646.997	647.112
q	115+60.00	-20.833	646.964	647.073
r	115+70.00	-20.833	646.924	647.027
s	115+80.00	-20.833	646.879	646.944
t	115+90.00	-20.833	646.828	646.850
℄ Brg.	115+95.25	-20.833	646.798	646.798
Bk. North Abut.	115+96.50	-20.833	646.791	646.791

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	-12.500	646.916	646.916
℄ Brg.	114+04.75	-12.500	646.923	646.923
a	114+14.75	-12.500	646.978	647.021
b	114+24.75	-12.500	647.026	647.112
c	114+34.75	-12.500	647.069	647.174
d	114+44.75	-12.500	647.105	647.217
e	114+54.75	-12.500	647.136	647.246
f	114+64.75	-12.500	647.160	647.242
g	114+74.75	-12.500	647.178	647.233
h	114+84.75	-12.500	647.191	647.223
i	114+94.75	-12.500	647.197	647.208
℄ Brg. Pier	115+00.00	-12.500	647.198	647.198
j	115+10.00	-12.500	647.195	647.216
k	115+20.00	-12.500	647.185	647.228
m	115+30.00	-12.500	647.170	647.238
n	115+40.00	-12.500	647.149	647.245
p	115+50.00	-12.500	647.122	647.237
q	115+60.00	-12.500	647.089	647.198
r	115+70.00	-12.500	647.049	647.152
s	115+80.00	-12.500	647.004	647.069
t	115+90.00	-12.500	646.953	646.975
℄ Brg.	115+95.25	-12.500	646.923	646.923
Bk. North Abut.	115+96.50	-12.500	646.916	646.916

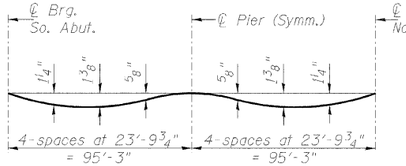
PROFILE GRADE LINE (S.B.L.)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	-9.000	646.969	646.969
℄ Brg.	114+04.75	-9.000	646.976	646.976
a	114+14.75	-9.000	647.030	647.073
b	114+24.75	-9.000	647.079	647.164
c	114+34.75	-9.000	647.121	647.227
d	114+44.75	-9.000	647.158	647.270
e	114+54.75	-9.000	647.188	647.298
f	114+64.75	-9.000	647.213	647.295
g	114+74.75	-9.000	647.231	647.286
h	114+84.75	-9.000	647.243	647.276
i	114+94.75	-9.000	647.249	647.260
℄ Brg. Pier	115+00.00	-9.000	647.250	647.250
j	115+10.00	-9.000	647.247	647.268
k	115+20.00	-9.000	647.238	647.281
m	115+30.00	-9.000	647.223	647.291
n	115+40.00	-9.000	647.202	647.297
p	115+50.00	-9.000	647.174	647.290
q	115+60.00	-9.000	647.141	647.250
r	115+70.00	-9.000	647.102	647.205
s	115+80.00	-9.000	647.057	647.122
t	115+90.00	-9.000	647.005	647.028
℄ Brg.	115+95.25	-9.000	646.976	646.976
Bk. North Abut.	115+96.50	-9.000	646.969	646.969

Note: Offsets are from ℄ Utica Road (Il. Rte. 178)

GIRDER 4

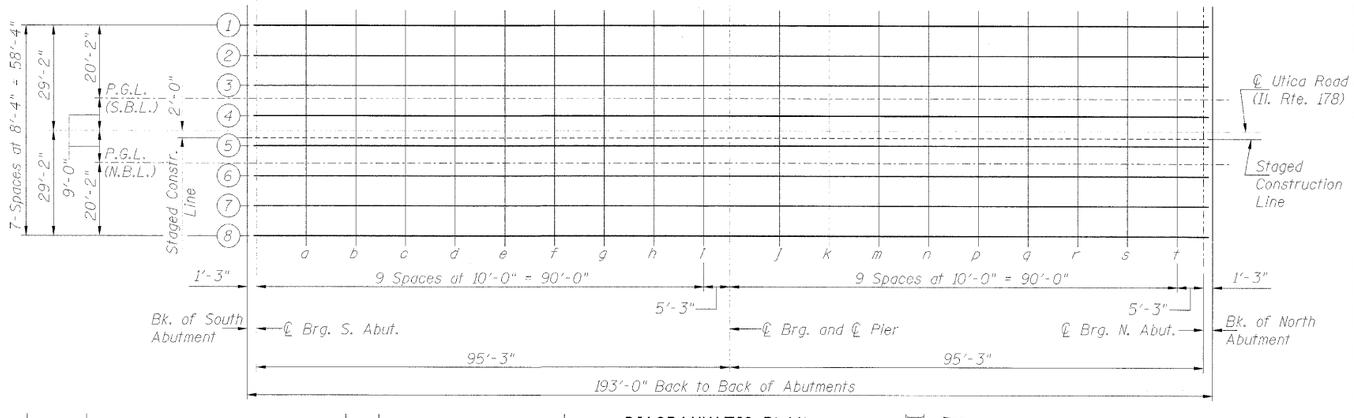
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	-4.167	647.041	647.041
℄ Brg.	114+04.75	-4.167	647.048	647.048
a	114+14.75	-4.167	647.103	647.146
b	114+24.75	-4.167	647.151	647.237
c	114+34.75	-4.167	647.194	647.299
d	114+44.75	-4.167	647.230	647.342
e	114+54.75	-4.167	647.261	647.371
f	114+64.75	-4.167	647.285	647.367
g	114+74.75	-4.167	647.303	647.358
h	114+84.75	-4.167	647.316	647.348
i	114+94.75	-4.167	647.322	647.333
℄ Brg. Pier	115+00.00	-4.167	647.323	647.323
j	115+10.00	-4.167	647.320	647.341
k	115+20.00	-4.167	647.310	647.353
m	115+30.00	-4.167	647.295	647.363
n	115+40.00	-4.167	647.274	647.370
p	115+50.00	-4.167	647.247	647.362
q	115+60.00	-4.167	647.214	647.323
r	115+70.00	-4.167	647.174	647.277
s	115+80.00	-4.167	647.129	647.194
t	115+90.00	-4.167	647.078	647.100
℄ Brg.	115+95.25	-4.167	647.048	647.048
Bk. North Abut.	115+96.50	-4.167	647.041	647.041



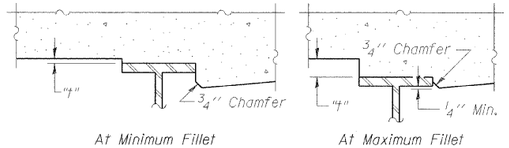
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on the tables above and the following sheet.

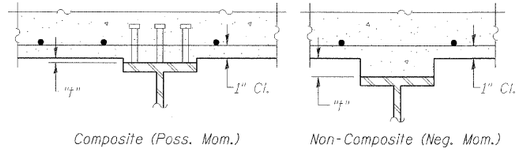


DIAGRAMMATIC PLAN



At Minimum Fillet — At Maximum Fillet

EXTERIOR BEAMS



Composite (Poss. Mom.) — Non-Composite (Neg. Mom.)

INTERIOR BEAMS

To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown on the DIAGRAMMATIC PLAN. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on the tables above and the following sheet, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

TOP of SLAB ELEVATIONS (Sheet 1)
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 0552015

DATE 10/12/09

12/23/2009
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LAYOUT	MMW	11/16/05
DRAWN	Rad	1/15/01
REVIEWED	Jcf	1/15/01

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	275
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 7
22 SHEETS
CONTRACT NO. 66542

℄ UTICA ROAD (IL. RTE. 178)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	0.000	647.104	647.104
℄ Brg.	114+04.75	0.000	647.111	647.111
a	114+14.75	0.000	647.165	647.208
b	114+24.75	0.000	647.214	647.299
c	114+34.75	0.000	647.256	647.362
d	114+44.75	0.000	647.293	647.405
e	114+54.75	0.000	647.323	647.433
f	114+64.75	0.000	647.348	647.430
g	114+74.75	0.000	647.366	647.421
h	114+84.75	0.000	647.378	647.411
i	114+94.75	0.000	647.384	647.395
℄ Brg. Pier	115+00.00	0.000	647.385	647.385
j	115+10.00	0.000	647.382	647.403
k	115+20.00	0.000	647.373	647.416
m	115+30.00	0.000	647.358	647.426
n	115+40.00	0.000	647.337	647.432
p	115+50.00	0.000	647.310	647.425
q	115+60.00	0.000	647.276	647.385
r	115+70.00	0.000	647.237	647.340
s	115+80.00	0.000	647.192	647.257
t	115+90.00	0.000	647.140	647.163
℄ Brg.	115+95.25	0.000	647.111	647.111
Bk. North Abut.	115+96.50	0.000	647.104	647.104

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	2.000	647.074	647.074
℄ Brg.	114+04.75	2.000	647.081	647.081
a	114+14.75	2.000	647.135	647.178
b	114+24.75	2.000	647.184	647.269
c	114+34.75	2.000	647.226	647.332
d	114+44.75	2.000	647.263	647.375
e	114+54.75	2.000	647.293	647.403
f	114+64.75	2.000	647.318	647.400
g	114+74.75	2.000	647.336	647.391
h	114+84.75	2.000	647.348	647.381
i	114+94.75	2.000	647.354	647.365
℄ Brg. Pier	115+00.00	2.000	647.355	647.355
j	115+10.00	2.000	647.352	647.373
k	115+20.00	2.000	647.343	647.386
m	115+30.00	2.000	647.328	647.396
n	115+40.00	2.000	647.307	647.402
p	115+50.00	2.000	647.280	647.395
q	115+60.00	2.000	647.246	647.355
r	115+70.00	2.000	647.207	647.310
s	115+80.00	2.000	647.162	647.227
t	115+90.00	2.000	647.110	647.133
℄ Brg.	115+95.25	2.000	647.081	647.081
Bk. North Abut.	115+96.50	2.000	647.074	647.074

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	4.167	647.041	647.041
℄ Brg.	114+04.75	4.167	647.048	647.048
a	114+14.75	4.167	647.103	647.146
b	114+24.75	4.167	647.151	647.237
c	114+34.75	4.167	647.194	647.299
d	114+44.75	4.167	647.230	647.342
e	114+54.75	4.167	647.261	647.371
f	114+64.75	4.167	647.285	647.367
g	114+74.75	4.167	647.303	647.358
h	114+84.75	4.167	647.316	647.348
i	114+94.75	4.167	647.322	647.333
℄ Brg. Pier	115+00.00	4.167	647.323	647.323
j	115+10.00	4.167	647.320	647.341
k	115+20.00	4.167	647.310	647.353
m	115+30.00	4.167	647.295	647.363
n	115+40.00	4.167	647.274	647.370
p	115+50.00	4.167	647.247	647.362
q	115+60.00	4.167	647.214	647.323
r	115+70.00	4.167	647.174	647.277
s	115+80.00	4.167	647.129	647.194
t	115+90.00	4.167	647.078	647.100
℄ Brg.	115+95.25	4.167	647.048	647.048
Bk. North Abut.	115+96.50	4.167	647.041	647.041

PROFILE GRADE LINE (N.B.L.)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	9.000	646.969	646.969
℄ Brg.	114+04.75	9.000	646.976	646.976
a	114+14.75	9.000	647.030	647.073
b	114+24.75	9.000	647.079	647.164
c	114+34.75	9.000	647.121	647.227
d	114+44.75	9.000	647.158	647.270
e	114+54.75	9.000	647.188	647.298
f	114+64.75	9.000	647.213	647.295
g	114+74.75	9.000	647.231	647.286
h	114+84.75	9.000	647.243	647.276
i	114+94.75	9.000	647.249	647.260
℄ Brg. Pier	115+00.00	9.000	647.250	647.250
j	115+10.00	9.000	647.247	647.268
k	115+20.00	9.000	647.238	647.281
m	115+30.00	9.000	647.223	647.291
n	115+40.00	9.000	647.202	647.297
p	115+50.00	9.000	647.174	647.290
q	115+60.00	9.000	647.141	647.250
r	115+70.00	9.000	647.102	647.205
s	115+80.00	9.000	647.057	647.122
t	115+90.00	9.000	647.005	647.028
℄ Brg.	115+95.25	9.000	646.976	646.976
Bk. North Abut.	115+96.50	9.000	646.969	646.969

Note: Offsets are from ℄ Utica Road (Il. Rte. 178)

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	12.500	646.916	646.916
℄ Brg.	114+04.75	12.500	646.923	646.923
a	114+14.75	12.500	646.978	647.021
b	114+24.75	12.500	647.026	647.112
c	114+34.75	12.500	647.069	647.174
d	114+44.75	12.500	647.105	647.217
e	114+54.75	12.500	647.136	647.246
f	114+64.75	12.500	647.160	647.242
g	114+74.75	12.500	647.178	647.233
h	114+84.75	12.500	647.191	647.223
i	114+94.75	12.500	647.197	647.208
℄ Brg. Pier	115+00.00	12.500	647.198	647.198
j	115+10.00	12.500	647.195	647.216
k	115+20.00	12.500	647.185	647.228
m	115+30.00	12.500	647.170	647.238
n	115+40.00	12.500	647.149	647.245
p	115+50.00	12.500	647.122	647.237
q	115+60.00	12.500	647.089	647.198
r	115+70.00	12.500	647.049	647.152
s	115+80.00	12.500	647.004	647.069
t	115+90.00	12.500	646.953	646.975
℄ Brg.	115+95.25	12.500	646.923	646.923
Bk. North Abut.	115+96.50	12.500	646.916	646.916

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	20.833	646.791	646.791
℄ Brg.	114+04.75	20.833	646.798	646.798
a	114+14.75	20.833	646.853	646.896
b	114+24.75	20.833	646.901	646.987
c	114+34.75	20.833	646.944	647.049
d	114+44.75	20.833	646.980	647.092
e	114+54.75	20.833	647.011	647.121
f	114+64.75	20.833	647.035	647.117
g	114+74.75	20.833	647.053	647.108
h	114+84.75	20.833	647.066	647.098
i	114+94.75	20.833	647.072	647.083
℄ Brg. Pier	115+00.00	20.833	647.073	647.073
j	115+10.00	20.833	647.070	647.091
k	115+20.00	20.833	647.060	647.103
m	115+30.00	20.833	647.045	647.113
n	115+40.00	20.833	647.024	647.120
p	115+50.00	20.833	646.997	647.112
q	115+60.00	20.833	646.964	647.073
r	115+70.00	20.833	646.924	647.027
s	115+80.00	20.833	646.879	646.944
t	115+90.00	20.833	646.828	646.850
℄ Brg.	115+95.25	20.833	646.798	646.798
Bk. North Abut.	115+96.50	20.833	646.791	646.791

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. South Abut.	114+03.50	29.167	646.635	646.635
℄ Brg.	114+04.75	29.167	646.643	646.643
a	114+14.75	29.167	646.697	646.740
b	114+24.75	29.167	646.746	646.831
c	114+34.75	29.167	646.788	646.894
d	114+44.75	29.167	646.824	646.936
e	114+54.75	29.167	646.855	646.965
f	114+64.75	29.167	646.879	646.962
g	114+74.75	29.167	646.897	646.952
h	114+84.75	29.167	646.910	646.942
i	114+94.75	29.167	646.916	646.927
℄ Brg. Pier	115+00.00	29.167	646.917	646.917
j	115+10.00	29.167	646.914	646.935
k	115+20.00	29.167	646.905	646.947
m	115+30.00	29.167	646.890	646.957
n	115+40.00	29.167	646.868	646.964
p	115+50.00	29.167	646.841	646.956
q	115+60.00	29.167	646.808	646.917
r	115+70.00	29.167	646.769	646.871
s	115+80.00	29.167	646.723	646.788
t	115+90.00	29.167	646.672	646.694
℄ Brg.	115+95.25	29.167	646.643	646.643
Bk. North Abut.	115+96.50	29.167	646.635	646.635

Note: Offsets are from ℄ Utica Road (Il. Rte. 178)

12-23-2009
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LAYOUT	MM	11/16/10
DRAWN	RDJ	11/15/10
REVIEWED	JJT	11/15/10

TOP of SLAB ELEVATIONS (Sheet 2)
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 0552015

DATE 10/12/09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	276
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 8
22 SHEETS
CONTRACT NO. 66542

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	-31.417	646.39
a	113+83.50	-31.417	646.46
b	113+93.50	-31.417	646.53
Bk. South Abut.	114+03.50	-31.417	646.59

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	-23.00	646.56
a	113+83.50	-23.00	646.63
b	113+93.50	-23.00	646.70
Bk. South Abut.	114+03.50	-23.00	646.76

PROFILE GRADE LINE (S.B.L.)

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	-9.00	646.77
a	113+83.50	-9.00	646.84
b	113+93.50	-9.00	646.91
Bk. South Abut.	114+03.50	-9.00	646.97

℄ ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	0.00	646.90
a	113+83.50	0.00	646.97
b	113+93.50	0.00	647.04
Bk. South Abut.	114+03.50	0.00	647.10

PROFILE GRADE LINE (N.B.L.)

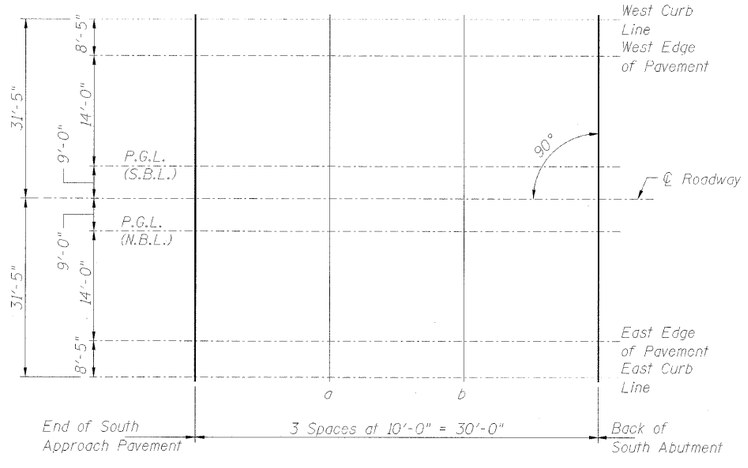
Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	9.00	646.77
a	113+83.50	9.00	646.84
b	113+93.50	9.00	646.91
Bk. South Abut.	114+03.50	9.00	646.97

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	23.00	646.56
a	113+83.50	23.00	646.63
b	113+93.50	23.00	646.70
Bk. South Abut.	114+03.50	23.00	646.76

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	113+73.50	31.417	646.39
a	113+83.50	31.417	646.46
b	113+93.50	31.417	646.53
Bk. South Abut.	114+03.50	31.417	646.59



DIAGRAMMATIC PLAN

N

Note: Offsets are from ℄ Utica Road (Il. Rte. 178)

TOP of SOUTH APPROACH SLAB ELEVATIONS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015

DATE 10/12/09

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LAYOUT	MWM	11/16/05
DRAWN	RDC	1/15/07
REVIEWED	JJT	1/15/07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. Rte. 6120	*	LaSALLE	492	277
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 9
22 SHEETS
CONTRACT NO. 66542

WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	-31.417	646.59
a	116+06.50	-31.417	646.53
b	116+16.50	-31.417	646.46
End N. Appr. Pav't.	116+26.50	-31.417	646.39

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	-23.00	646.76
a	116+06.50	-23.00	646.70
b	116+16.50	-23.00	646.63
End N. Appr. Pav't.	116+26.50	-23.00	646.56

PROFILE GRADE LINE (S.B.L.)

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	-9.00	646.97
a	116+06.50	-9.00	646.91
b	116+16.50	-9.00	646.84
End N. Appr. Pav't.	116+26.50	-9.00	646.77

℄ ROADWAY

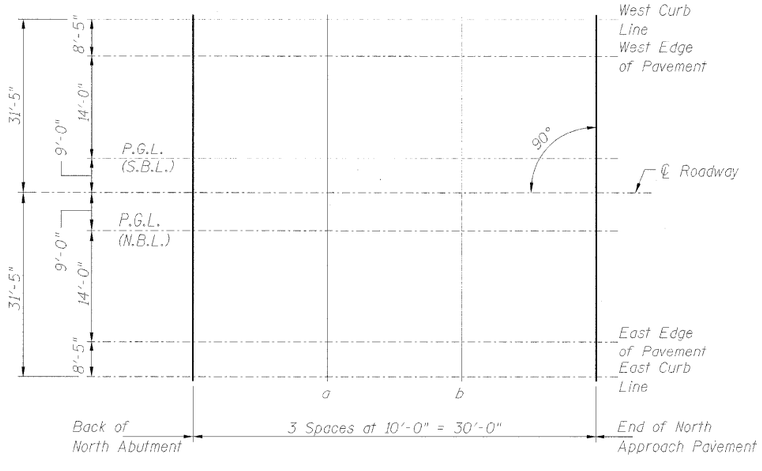
Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	0.00	647.10
a	116+06.50	0.00	647.04
b	116+16.50	0.00	646.97
End N. Appr. Pav't.	116+26.50	0.00	646.90

PROFILE GRADE LINE (N.B.L.)

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	9.00	646.97
a	116+06.50	9.00	646.91
b	116+16.50	9.00	646.84
End N. Appr. Pav't.	116+26.50	9.00	646.77

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	23.00	646.76
a	116+06.50	23.00	646.70
b	116+16.50	23.00	646.63
End N. Appr. Pav't.	116+26.50	23.00	646.56



DIAGRAMMATIC PLAN

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Bk. North Abut.	115+96.50	31.417	646.59
a	116+06.50	31.417	646.53
b	116+16.50	31.417	646.46
End N. Appr. Pav't.	116+26.50	31.417	646.39

Note: Offsets are from ℄ Utica Road (Il. Rte. 178)

TOP of NORTH APPROACH SLAB ELEVATIONS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	Rod	1/15/07
REVIEWED	JMT	1/15/07

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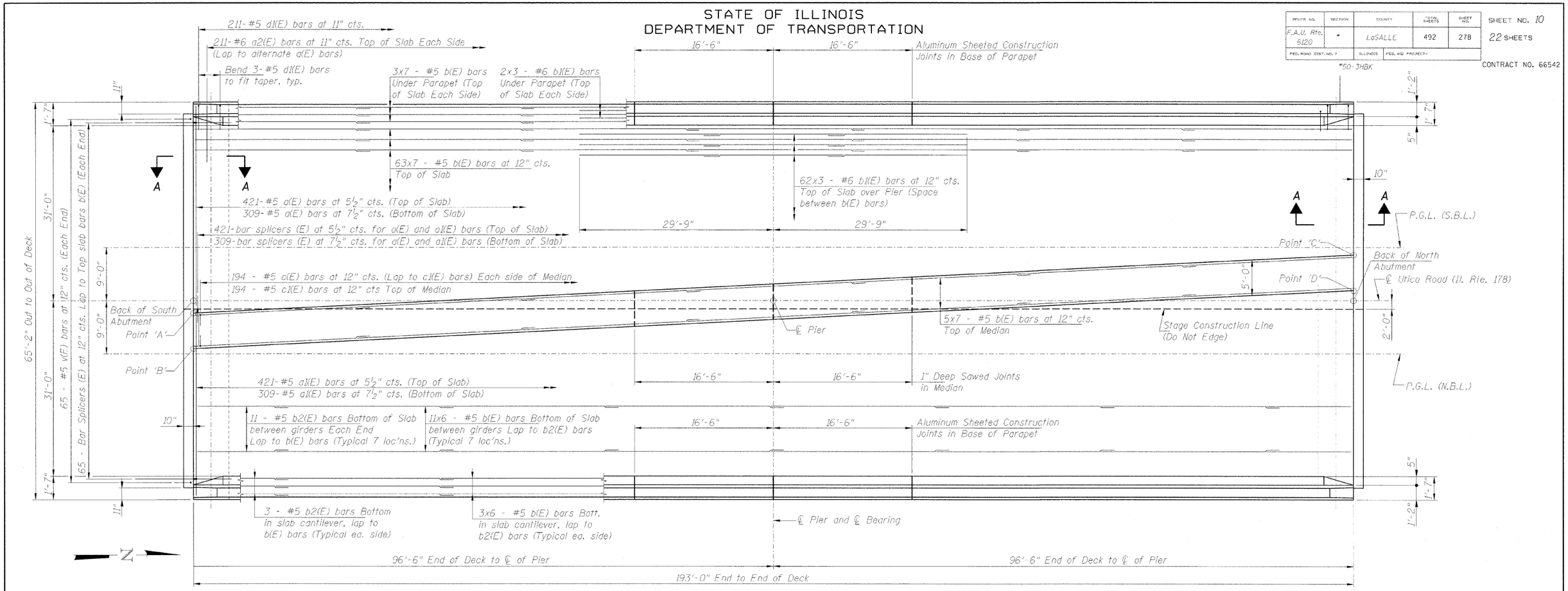
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 5120	*	LaSALLE	492	278
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

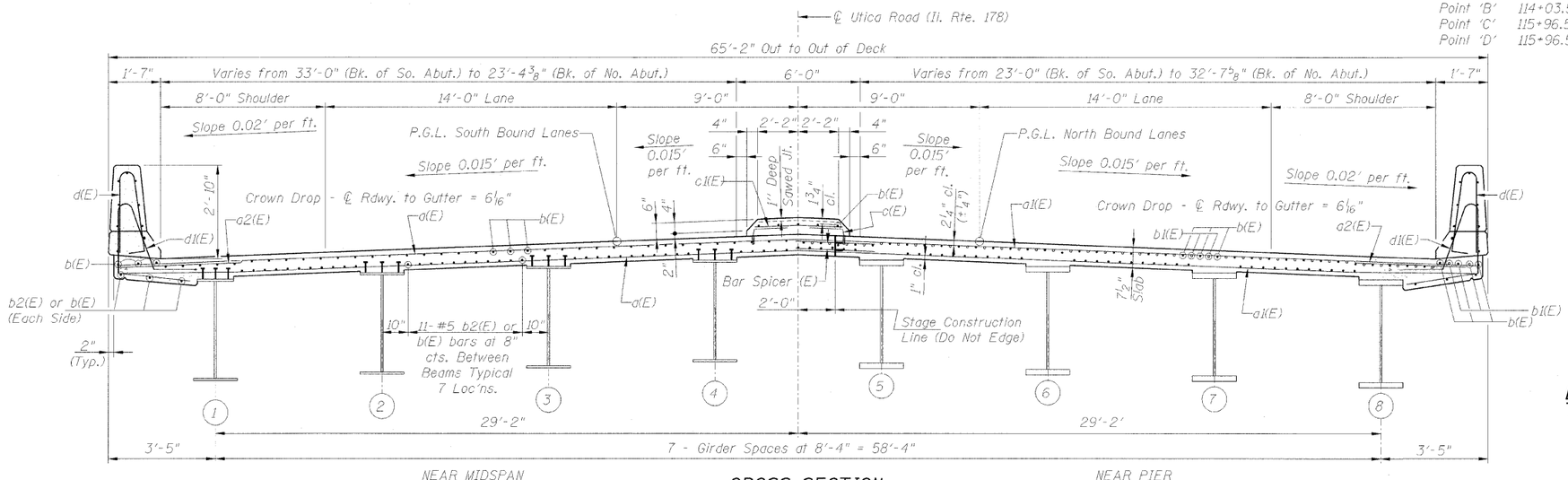
SHEET NO. 10
22 SHEETS
CONTRACT NO. 66542
*50-3HBK



P L A N

OFFSETS TO RAISED MEDIAN

Point 'A'	114+03.50	2.505' Right
Point 'B'	114+03.50	7.505' Right
Point 'C'	115+96.50	7.137' Left
Point 'D'	115+96.50	2.137' Left



CROSS SECTION
(Looking Upstation)

BAR LAPS

#5 = 2'-2"
#6 = 2'-7"

Notes:
See Sheet 3 of 22 for Stage Construction Deails and Sequencing.
See Sheet 11 of 22 for superstructure details and Bill of Material.
See Sheet 12 of 22 for End Diaphragm Details.
Bars indicated thus 63 x 7-#5 etc. indicates 63 lines of bars with 7 lengths per line.
See Sheet 11 of 22 for parapet reinforcement.
See Sheet 12 of 22 for Section A-A
See Sheet 20 of 22 for Bar Splicer Details.
The cost of Expansion Anchors is included in the cost of Reinforcement Bars Epoxy Coated.

SUPERSTRUCTURE
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMM	11/16/05
DRAWN	RKD	1/15/07
REVIEWED	JJT	1/15/01

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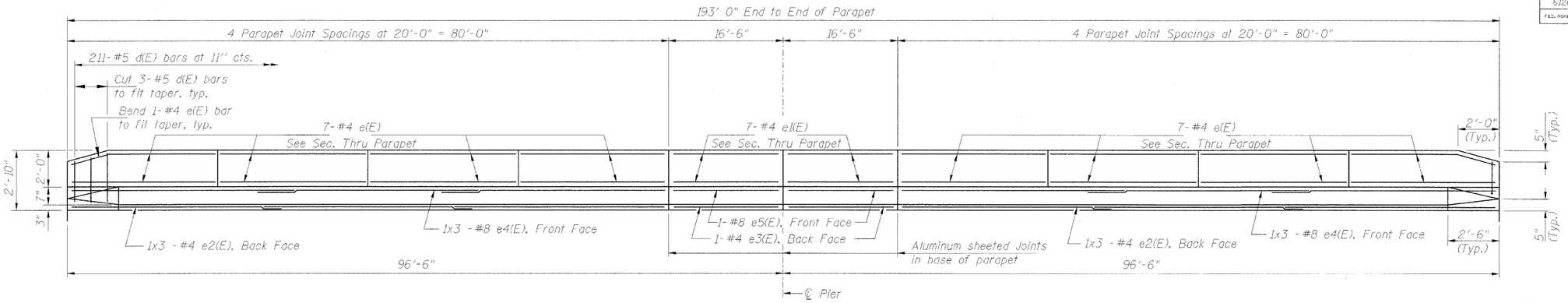
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	279
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

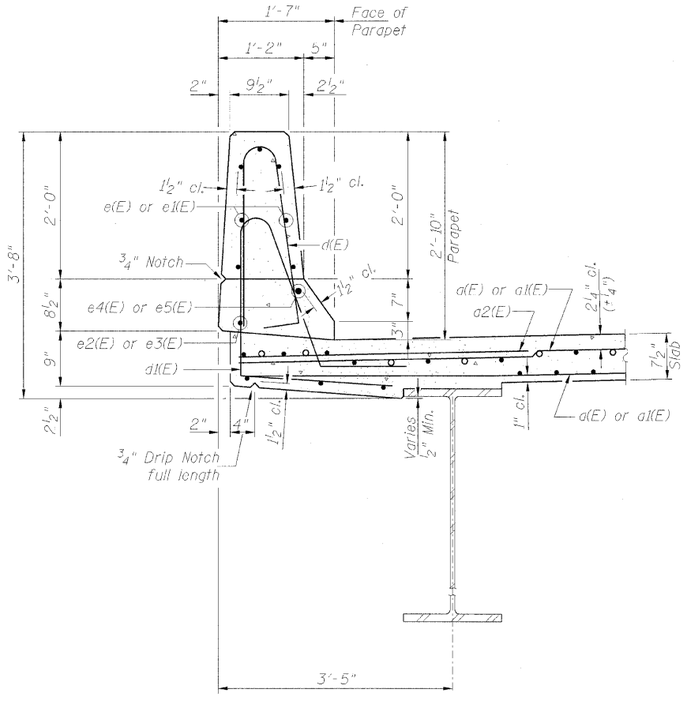
SHEET NO. 11
22 SHEETS
CONTRACT NO. 66542



SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	730	#5	34'-1"	——
a1(E)	730	#5	30'-3"	——
a2(E)	422	#6	6'-0"	——
b(E)	1016	#5	29'-6"	——
b1(E)	198	#6	21'-7"	——
b2(E)	166	#5	15'-10"	——
c(E)	388	#5	1'-6"	⌐
c1(E)	194	#5	4'-2"	——
d(E)	422	#5	5'-7"	⌊
d1(E)	422	#5	7'-11"	⌊
e(E)	112	#4	19'-8"	——
e1(E)	28	#4	16'-2"	——
e2(E)	12	#4	27'-6"	——
e3(E)	4	#4	16'-2"	——
e4(E)	12	#8	29'-0"	——
e5(E)	4	#8	16'-2"	——
m(E)	4	#6	29'-6"	——
m1(E)	6	#6	30'-3"	——
m2(E)	24	#6	11'-1"	——
m3(E)	12	#6	8'-0"	——
m4(E)	4	#6	3'-1"	——
m5(E)	4	#6	33'-6"	——
m6(E)	6	#6	34'-3"	——
m7(E)	4	#6	7'-7"	——
m8(E)	4	#6	11'-9"	——
m9(E)	2	#6	5'-10"	——
s(E)	124	#5	6'-9"	⌐
s1(E)	124	#4	11'-7"	⊐
v(E)	130	#5	3'-4"	⌐
Reinforcement Bars, Epoxy Coated			Pound	107680
Concrete Superstructure			Cu. Yds.	411.9

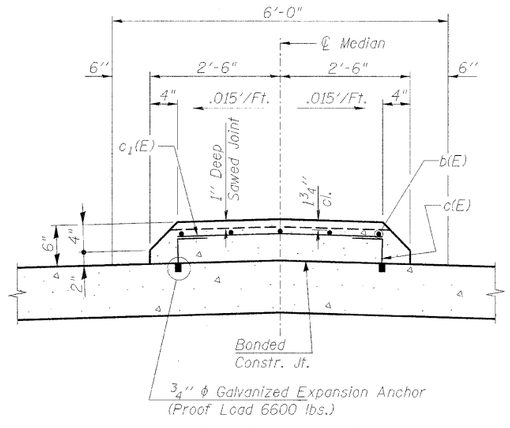
Bars indicated thus 1 x 3-#4 etc. indicates 1 line of bars with 3 lengths per line.



SECTION THRU PARAPET

INSIDE ELEVATION OF PARAPET

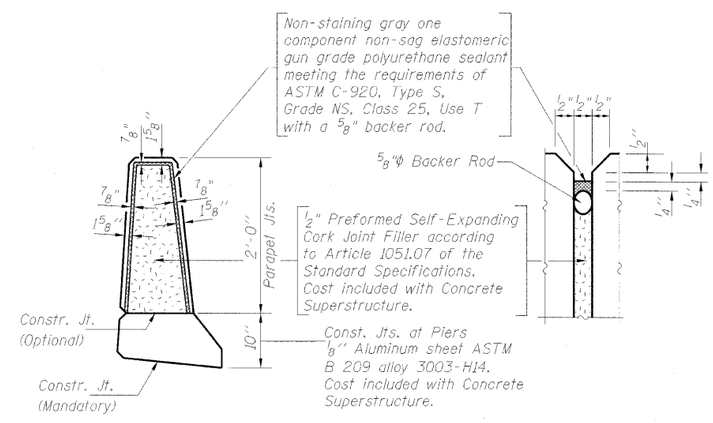
(2 Required)



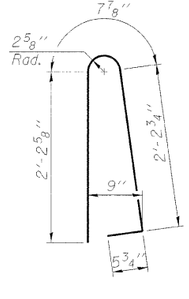
SECTION THRU MEDIAN

MINIMUM BAR LAP

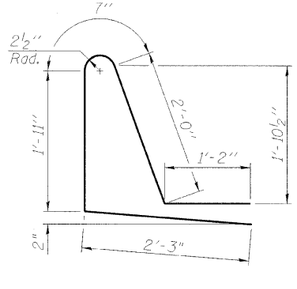
(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"



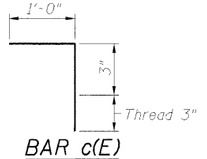
PARAPET JOINT DETAILS



BAR d(E)



BAR d1(E)



BAR c(E)

SUPERSTRUCTURE DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	RMC	1/15/07
REVIEWED	JJF	1/15/07

12/23/2009
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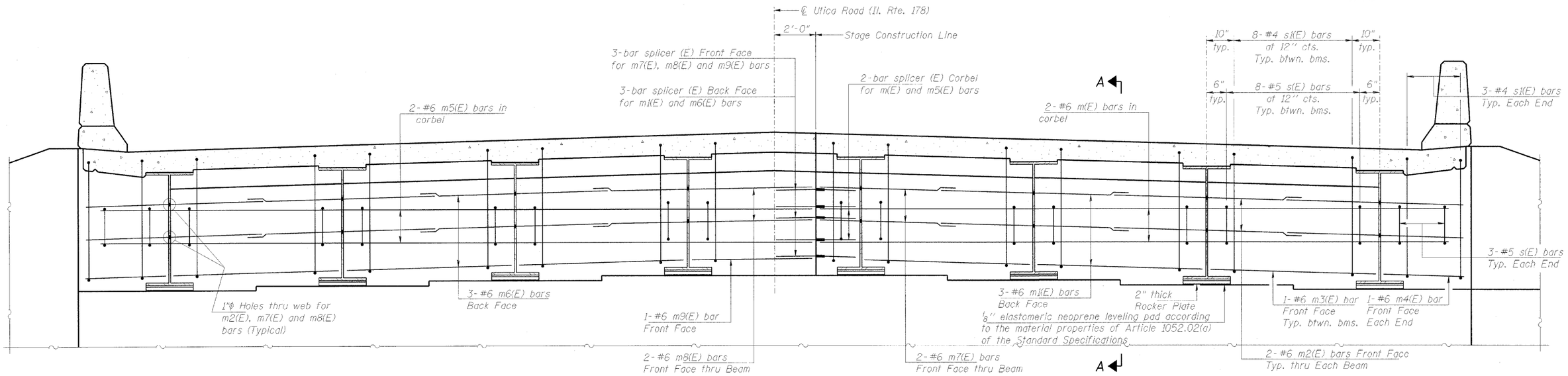
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	280
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

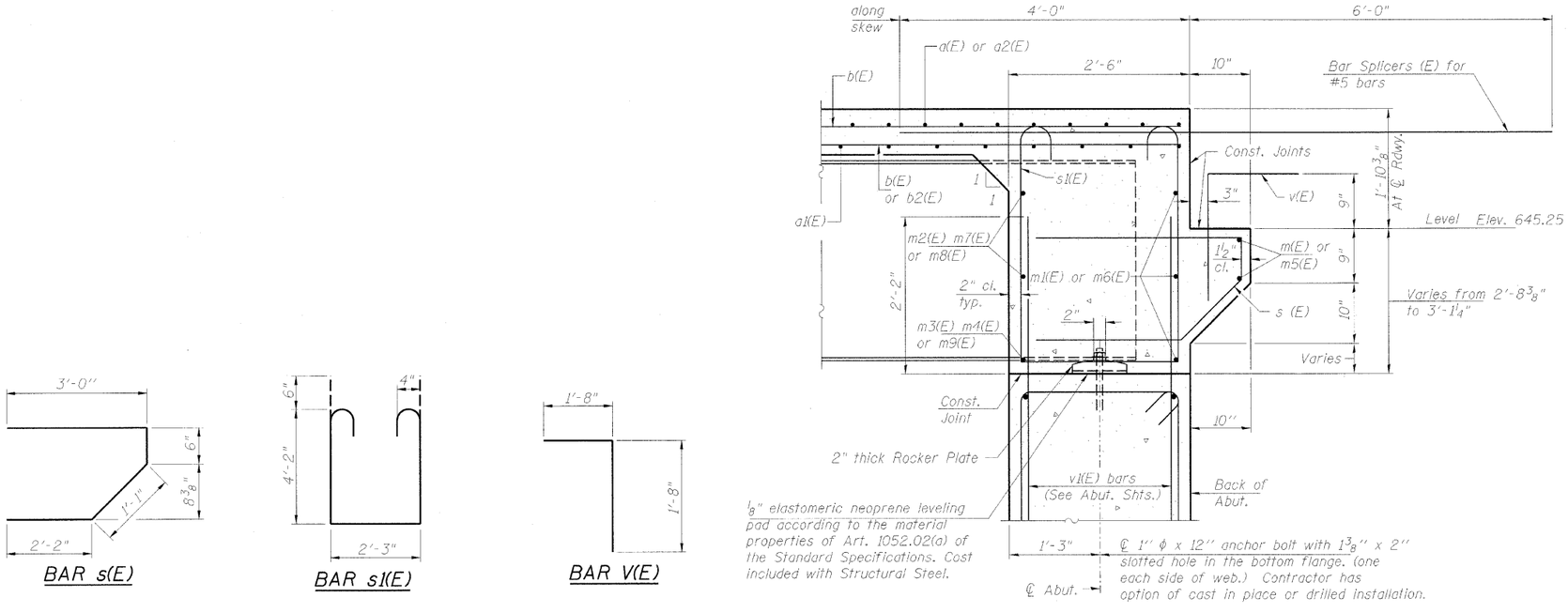
*50-3HBK

SHEET NO. 12
22 SHEETS
CONTRACT NO. 66542



DIAPHRAGM ELEVATION AT ABUTMENT

(Looking Upstation)



SECTION A-A

Dimensions at right angles to abutment, except as shown.

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 11 of 22.
Concrete in diaphragm is included with Concrete Superstructure on sheet 11 of 22.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
Bars indicated thus 2x3-#6 etc. indicates 2 lines of bars with 3 lengths per line.
See Sheet 20 of 22 for Bar Splicer Details.

MIN. BAR LAP

#6 bar = 2'-7"

END DIAPHRAGM DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	RGC	1/15/07
REVIEWED	JJT	1/15/08

12-23-2009
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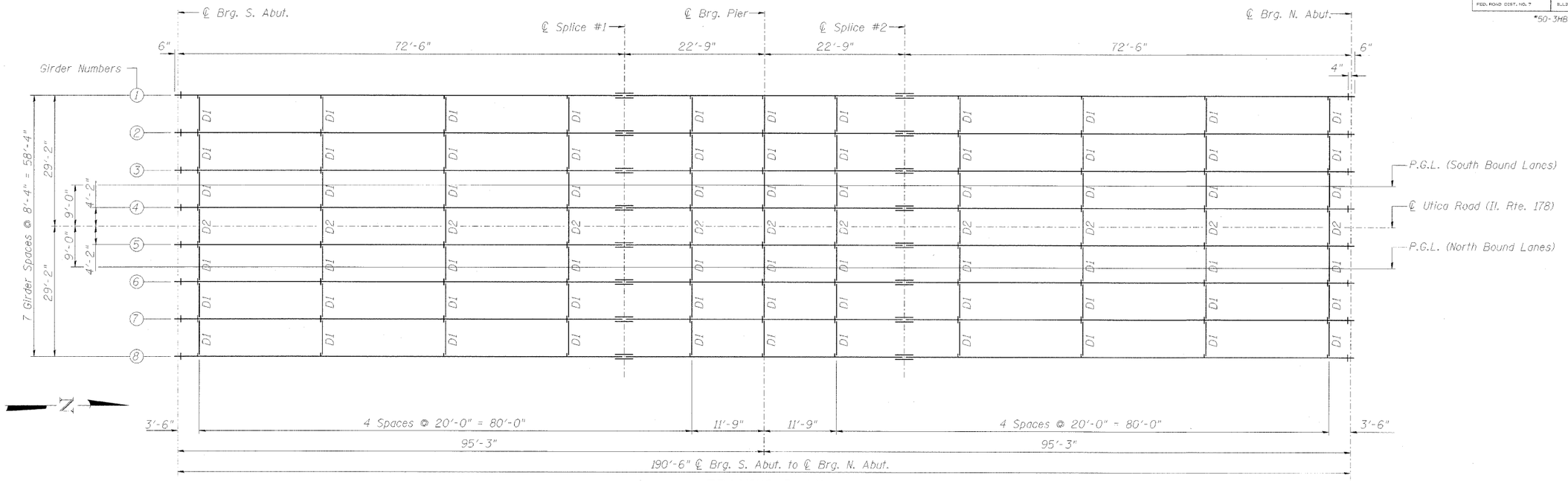
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	281
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT:	

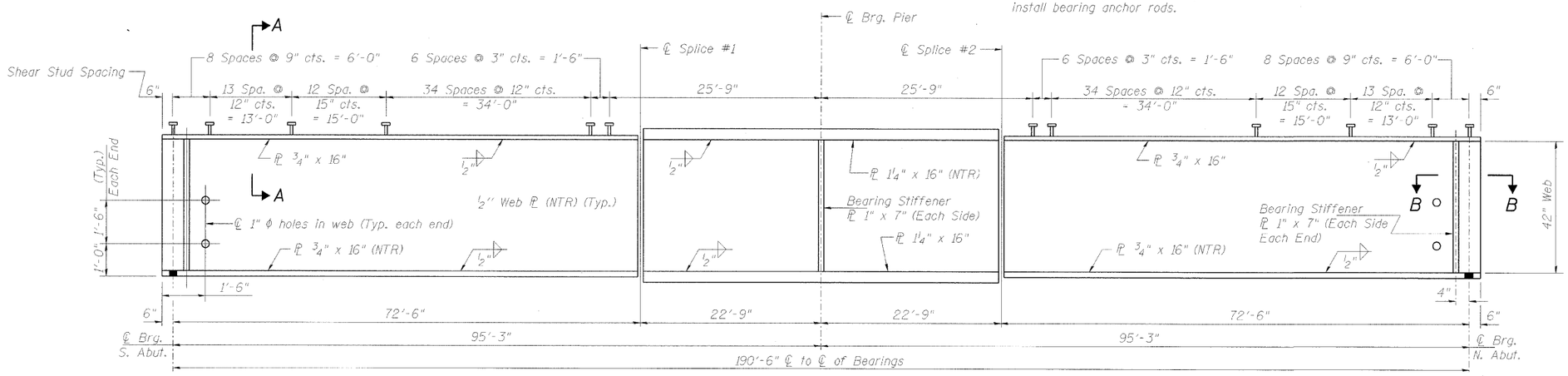
*50-3HBK

SHEET NO. 13
22 SHEETS
CONTRACT NO. 66542



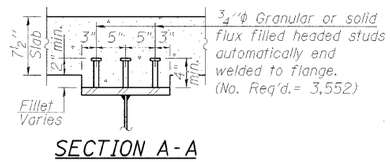
FRAMING PLAN

Note:
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.



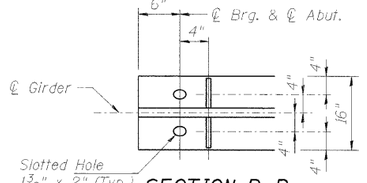
GIRDER ELEVATION

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
For diaphragm details and splice plate details see sheet 14 of 22.



SECTION A-A

Note:
All flanges, webs, bearing stiffeners, splice plates and structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270, Grade 50.
Fill plates, Diaphragms, and diaphragm connecting plates shall conform to the requirements of AASHTO M270, Grade 36.



SECTION B-B
(Typ. Each End)

BEARING STIFFENER DETAIL

STRUCTURAL STEEL
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DRAWN	RKC	1/15/01
REVIEWED	JJT	1/15/01

12-23-2009
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	282
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT:	

*50-3HBK

SHEET NO. 14
22 SHEETS
CONTRACT NO. 66542

INTERIOR GIRDER MOMENT TABLE			
		0.4 Sp. 1 or 0.6 Sp. 2	Pier
Is	(in^4)	14054	21798
Ic (n)	(in^4)	32693	——
Ic (3n)	(in^4)	24621	——
Ss	(in^3)	646	980
Sc (n)	(in^3)	868	——
Sc (3n)	(in^3)	798	——
Z	(in^3)	——	1086
$\mathcal{D}$	(k/ft.)	0.98	1.57
$M\mathcal{D}$	('k)	571	1862
$s\mathcal{D}$	(k/ft.)	0.52	——
$Ms\mathcal{D}$	('k)	338	——
$M\mathcal{L}$	('k)	903	708
M (Imp)	('k)	208	163
$5/3[M\mathcal{L}+M(Imp)]$	('k)	1852	1451
Ma	('k)	3762	3877
**** Mu	('k)	4456.4	4522.9
$fs\mathcal{D}$ non-comp (k.s.i.)		10.61	22.81
$fs\mathcal{D}$ (comp)	(k.s.i.)	5.09	——
$fs\,5/3(\mathcal{L}+Imp)$	(k.s.i.)	25.62	17.78
fs (Overload)	(k.s.i.)	41.32	40.59
VR	(k)	70	——

****Compact Section

INTERIOR GIRDER REACTION TABLE			
		Abut.	Pier
$R\mathcal{D}$	(k)	52.8	183.8
$R\mathcal{L}$	(k)	52.6	175.9
Imp.	(k)	12.1	17.5
R (Total)	(k)	117.5	277.2

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Overload) due to non-composite dead loads ($in.^4$ and $in.^3$).

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

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

Z: Plastic Section Modulus of the steel section in non-composite areas ($in.^3$).

$\mathcal{D}$: Un-factored non-composite dead load (kips/ft.).

$M\mathcal{D}$: Un-factored moment due to non-composite dead load (kip-ft.).

$s\mathcal{D}$: Un-factored long-term composite (superimposed) dead load (kips/ft.)

$Ms\mathcal{D}$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).

$M\mathcal{L}$: Un-factored live load moment (kip-ft.).

M_{Imp}: Un-factored moment due to impact (kip-ft.).

Ma: Factored design moment (kip-ft.).
$1.3\,[\,M\mathcal{D} + M_s\mathcal{D} + \frac{5}{3}(M\mathcal{L} + M_{Imp})\,]$

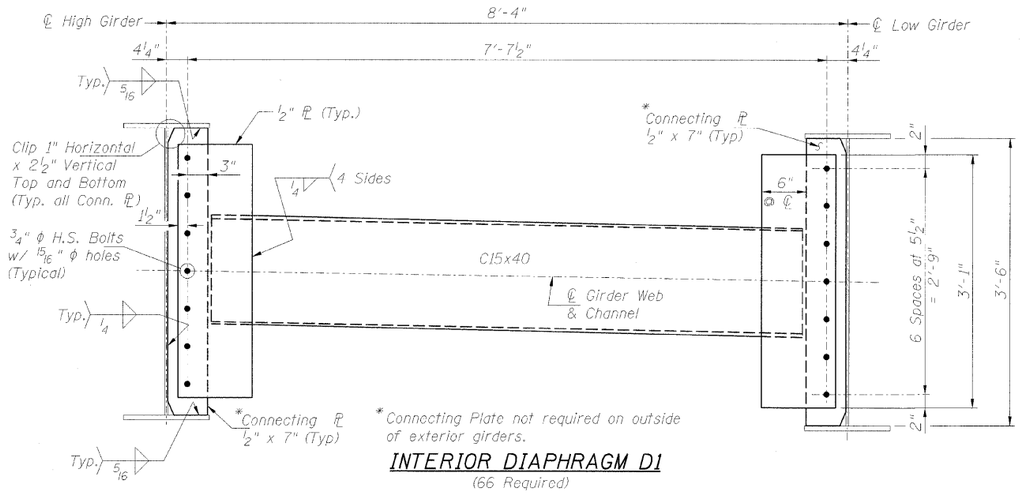
Mu: Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).

fs (Overload): Sum of stresses as computed from the moments below (ksi).
$M\mathcal{D} + M_s\mathcal{D} + \frac{5}{3}(M\mathcal{L} + M_{Imp})$

VR: Maximum $\mathcal{L}$ + impact horizontal shear range within the composite portion of the span for stud shear connector design (kips).

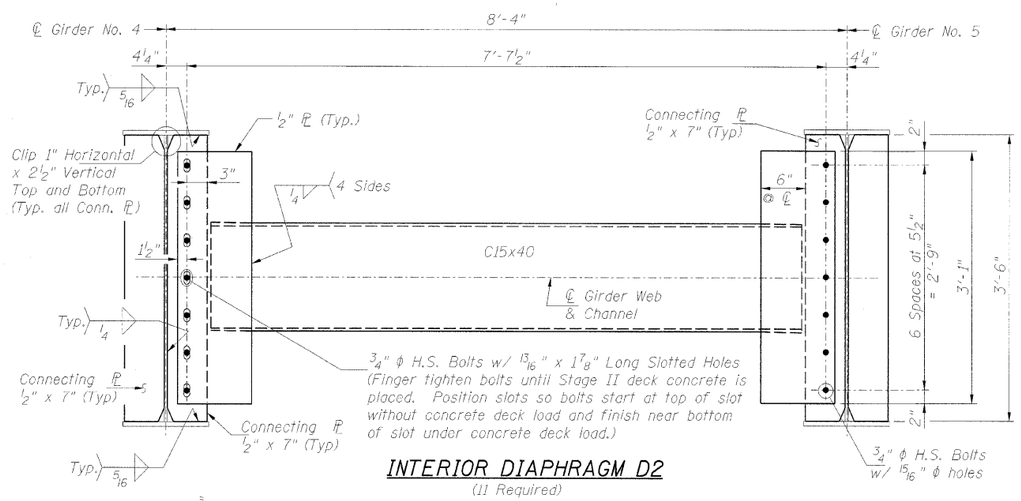
The applied moment at the pier was 4307 Kft but has been reduced 430.0 Kft (10%) for moment redistribution.

The applied moment at 0.4 span 1 or 0.6 span 2 was 3590 Kft but has been increased 172.0 Kft (4.8%) for moment redistribution.

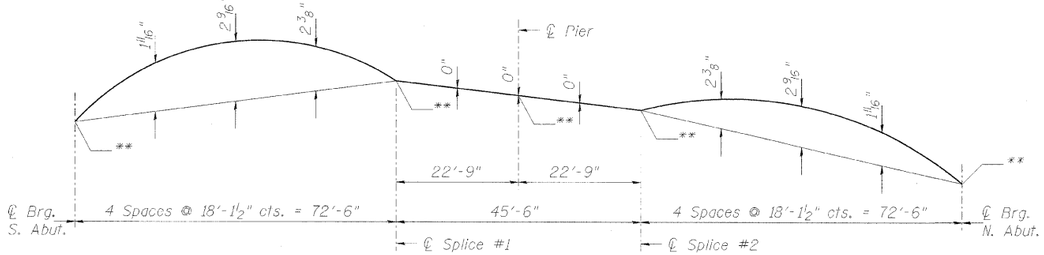


*Connecting Plate not required on outside of exterior girders.

INTERIOR DIAPHRAGM D1
(66 Required)



INTERIOR DIAPHRAGM D2
(11 Required)

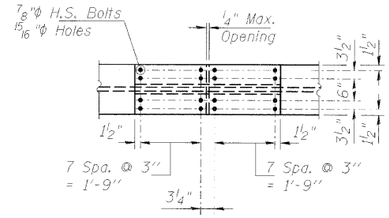


CAMBER DIAGRAM
** See Table for Top of Web Elevations

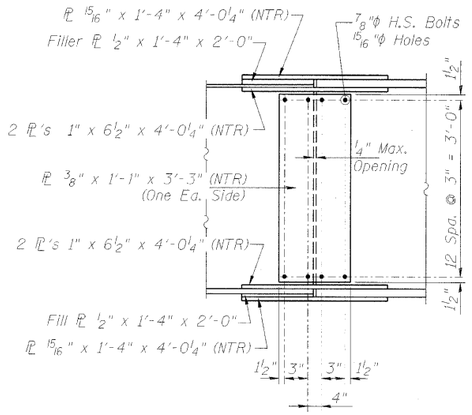
*** TOP OF WEB ELEVATIONS

	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6	Girder 7	Girder 8
℄ Brg. S. Abut.	645.892	646.048	646.173	646.298	646.298	646.173	646.048	645.892
℄ Splice No. 1	646.094	646.244	646.367	646.495	646.495	646.367	646.244	646.094
℄ Brg. Pier	646.094	646.244	646.367	646.495	646.495	646.367	646.244	646.094
℄ Splice No. 2	646.094	646.244	646.367	646.495	646.495	646.367	646.244	646.094
℄ Brg. N. Abut.	645.892	646.048	646.173	646.298	646.298	646.173	646.048	645.892

*** For Fabrication Only



TOP & BOTTOM FLANGE SPLICES



WEB SPLICE

FIELD SPLICE DETAIL
(16 Required)

Notes:

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

Two hardened washers shall be required over all oversized and slotted holes.

All flanges, webs, bearing stiffeners, splice plates, and structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270, Grade 50.

Fill plates, Diaphragms, and diaphragm connecting plates shall conform to the requirements of AASHTO M270, Grade 36.

STRUCTURAL STEEL DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015

DATE 10/12/09

LAYOUT	MMW	11/16/09
DRAWN	Red	1/15/01
REVIEWED	JJT	1/15/01

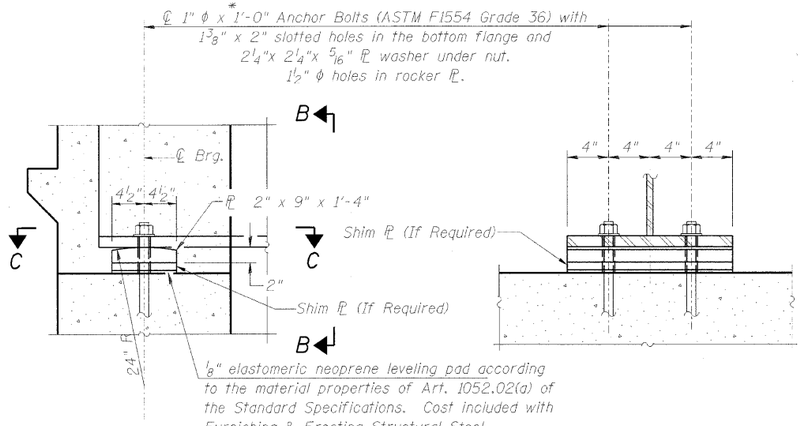
12-23-2009
G:\PW_Exports\S-140\FP-00.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	283
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 15
22 SHEETS
CONTRACT NO. 66542

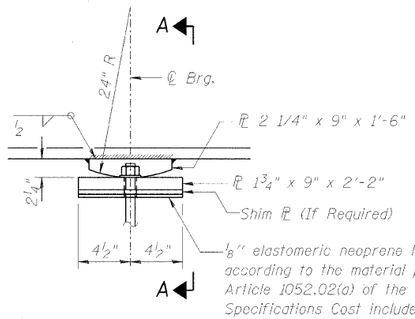


ELEVATION SECTION B-B

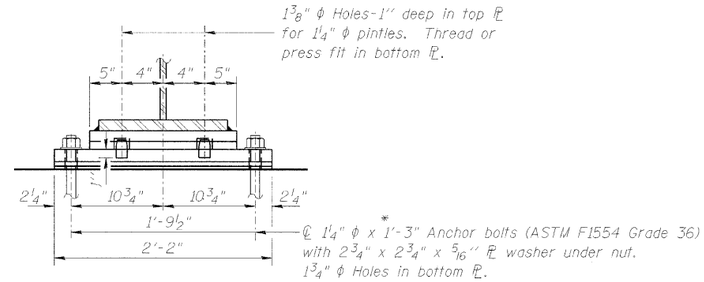
FIXED BEARINGS AT ABUTMENTS

(No. Required = 16)

*Length shown is the required total length for cast-in-place headed anchor bolts. The required total length for the sealed capsule alternate anchor bolt shall be according to the manufacturer's recommendations.



ELEVATION

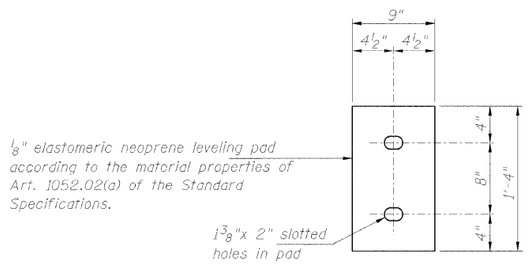


SECTION A-A

FIXED BEARINGS AT PIERS

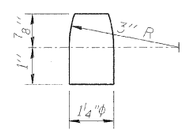
(No. Required = 8)

SECTION C-C



PLAN-ELASTOMERIC NEOPRENE LEVELING PAD

(At Abutments)



PINTLE

Notes:

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

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

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

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

The anchor bolts, furnished and installed and including the epoxy capsules shall not be paid for separately but shall be included in the unit bid price for Furnishing and Erecting Steel.

All flanges, webs, bearing stiffeners, splice plates, and structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270, Grade 50.

Fill plates, Diaphragms, and diaphragm connecting plates shall conform to the requirements of AASHTO M270, Grade 36.

BEARING DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

12/2/2009
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LAYOUT	MMW	11/16/05
DRAWN	Rod	1/15/07
REVIEWED	JJT	1/15/07

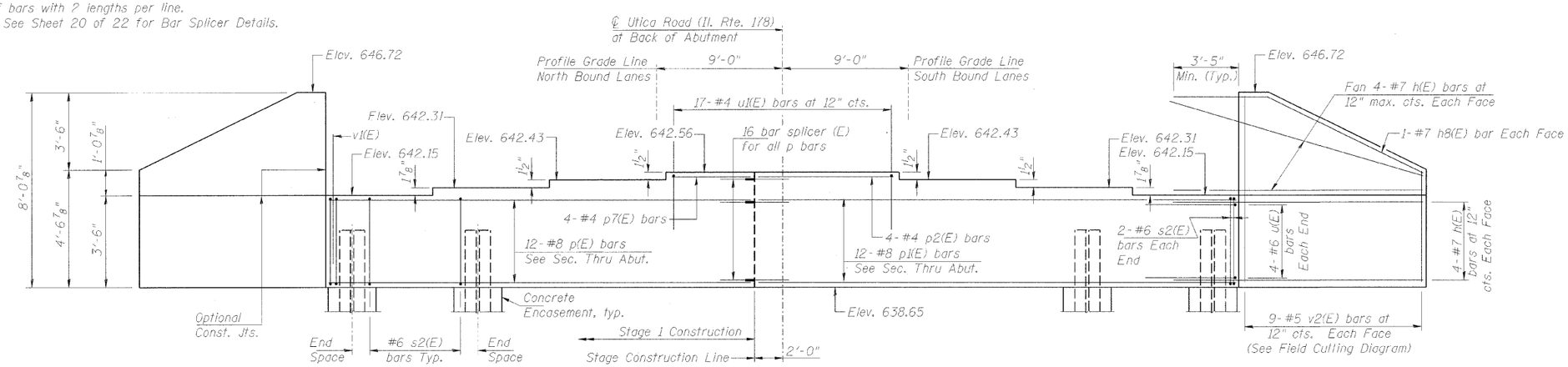
Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.
Bars indicated thus, 4x2-#4 etc. Indicates 4 lines of bars with 2 lengths per line.
See Sheet 20 of 22 for Bar Splicer Details.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

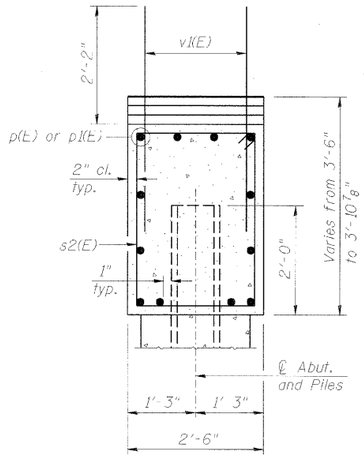
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	284
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 16
22 SHEETS
CONTRACT NO. 66542



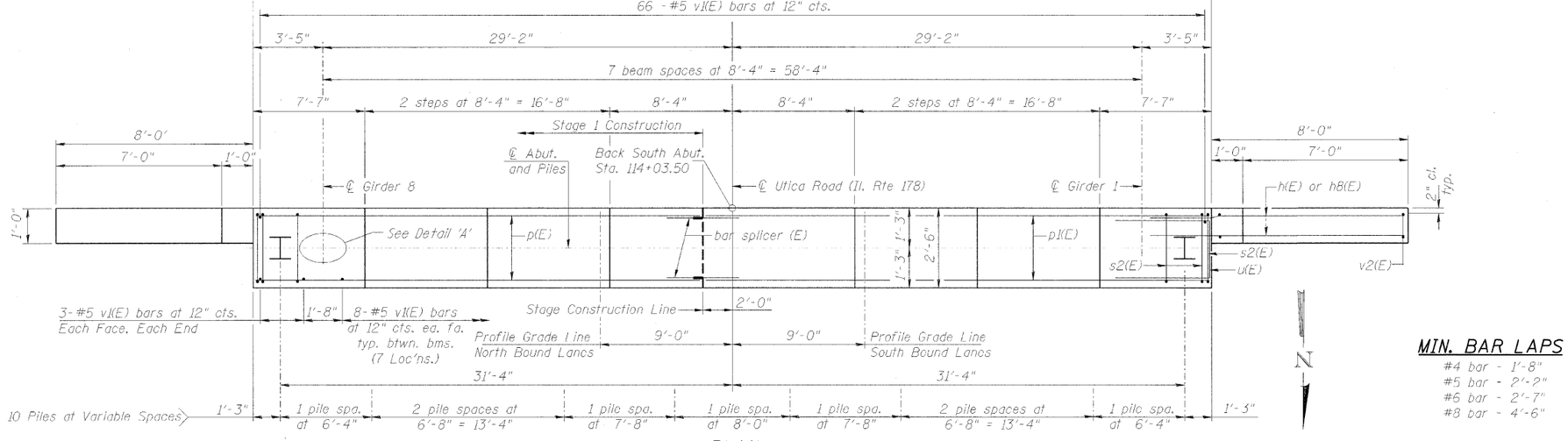
ELEVATION
(Looking South)



SECTION THRU ABUTMENT

BAR s2(E) SPACING

Pile Spacing	No. of s2(E)	s2(E) Spacing	End Spaces
6'-4"	6	11"	10½"
6'-8"	7	11"	7"
7'-8"	8	11"	7½"
8'-0"	8	11"	9½"



PLAN

MIN. BAR LAPS

#4 bar - 1'-8"
#5 bar - 2'-2"
#6 bar - 2'-7"
#8 bar - 4'-6"

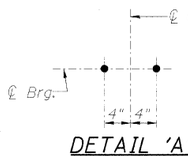
BILL OF MATERIAL
SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	32	#7	11'-3"	
h8(E)	4	#7	12'-1"	
p(E)	12	#8	30'-3"	
p1(E)	12	#8	34'-3"	
p2(E)	4	#4	10'-0"	
p7(E)	4	#4	6'-0"	
s2(E)	120	#6	12'-0"	
u(E)	8	#6	11'-1"	
u1(E)	17	#4	6'-6"	
v1(E)	124	#5	4'-4"	
v2(E)	68	#5	12'-0"	
Concrete Structures		Cu. Yd.	26.3	
Reinforcement Bars, Epoxy Coated		Pound	6730	
Structure Excavation		Cu. Yd.	162	
Furnishing Steel Piles HP12x53		Ft.	441	
Driving Piles		Ft.	441	
Test Piles Steel HP12x53		Each	1	
Concrete Encasement		Cu. Yd.	3.5	

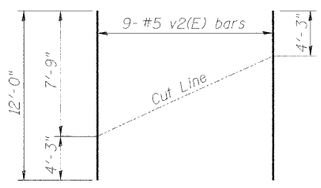
Note:
For details of piles and encasement, see Sheet 19 of 22.

PILE DATA

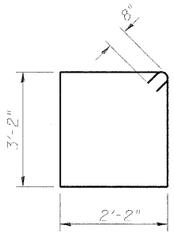
Type:	Steel HP12x53
Nominal Required Bearing:	419 kips
Allowable Resistance Available:	140 kips
Est. Length: .	49 ft.
No. of Production Piles:	9
No. of Test Piles:	1



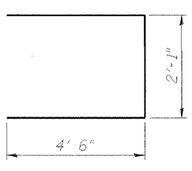
DETAIL 'A'



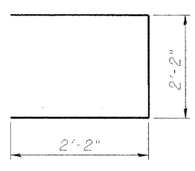
FIELD CUTTING DIAGRAM
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



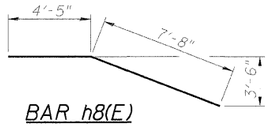
BAR s2(E)



BAR u(E)



BAR u1(E)



BAR h8(E)

SOUTH ABUTMENT
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

12/23/2009
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LAYOUT	MMM	11/16/05
DRAWN	RDS	1/15/07
REVIEWED	JJF	1/15/07

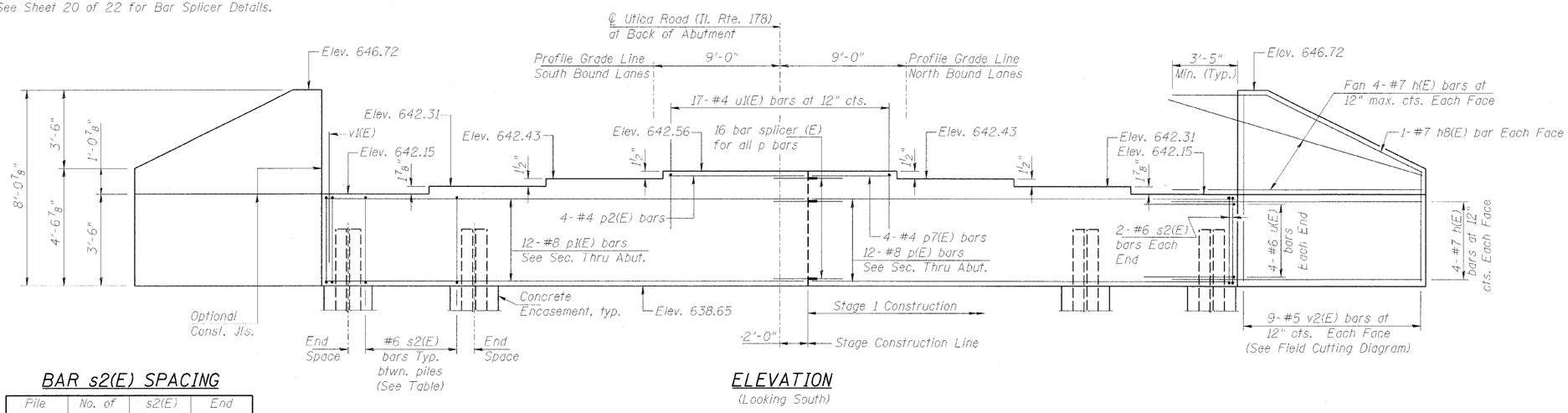
Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.
Bars indicated thus, 4x2-#4 etc. Indicates 4 lines of bars with 2 lengths per line.
See Sheet 20 of 22 for Bar Splicer Details.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

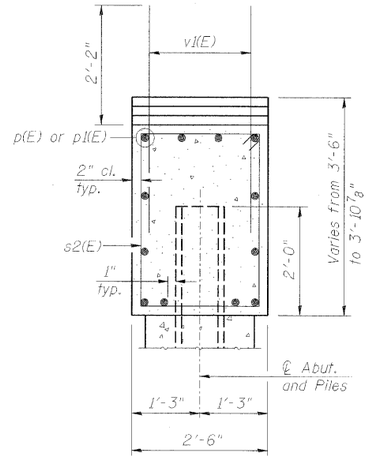
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 5120	*	LaSALLE	492	285
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 17
22 SHEETS
CONTRACT NO. 66542



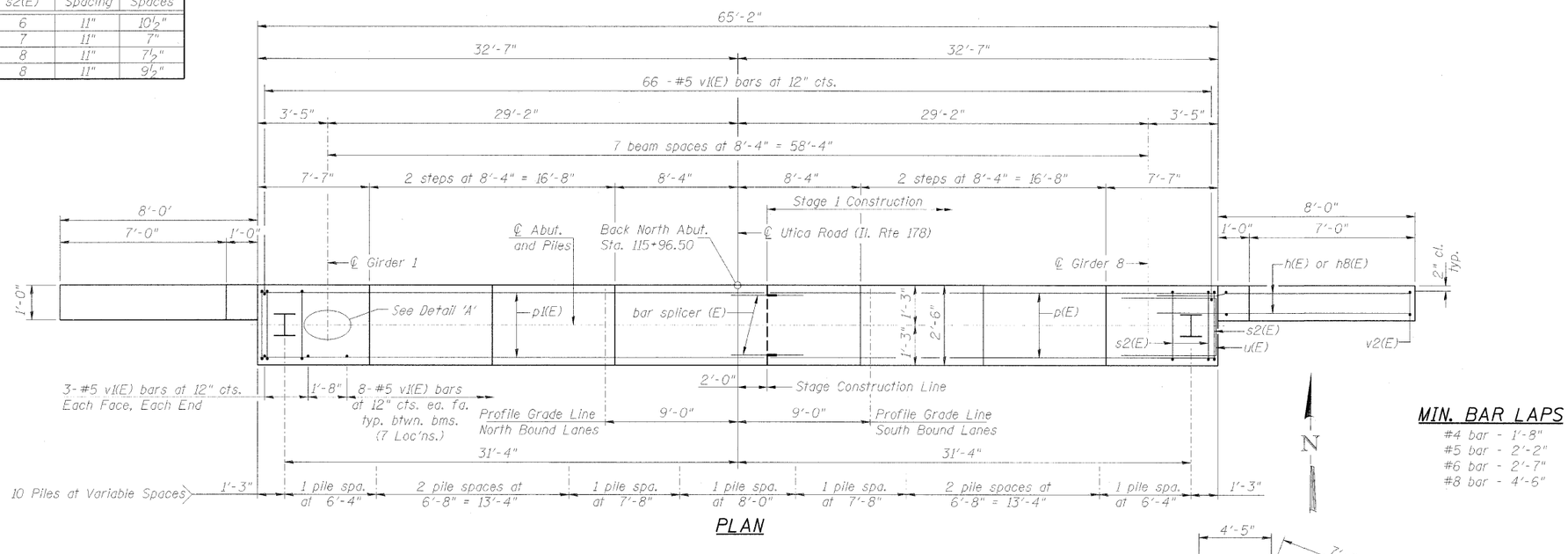
ELEVATION
(Looking South)



SECTION THRU ABUTMENT

BAR s2(E) SPACING

Pile Spacing	No. of s2(E)	s2(E) Spacing	End Spaces
6'-4"	6	11"	10½"
6'-8"	7	11"	7"
7'-8"	8	11"	7½"
8'-0"	8	11"	9½"



PLAN

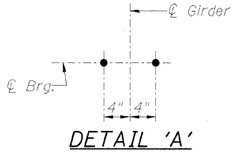
MIN. BAR LAPS

#4 bar - 1'-8"
#5 bar - 2'-2"
#6 bar - 2'-7"
#8 bar - 4'-6"

BILL OF MATERIAL
NORTH ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	32	#7	11'-3"	
h8(E)	4	#7	12'-1"	
p(E)	12	#8	30'-3"	
p1(E)	12	#8	34'-3"	
p2(E)	4	#4	10'-0"	
p7(E)	4	#4	6'-0"	
s2(E)	120	#6	12'-0"	
u(E)	8	#6	11'-1"	
u1(E)	17	#4	6'-6"	
v1(E)	124	#5	4'-4"	
v2(E)	68	#5	12'-0"	
Concrete Structures		Cu. Yd.	26.3	
Reinforcement Bars, Epoxy Coated		Pound	6730	
Structure Excavation		Cu. Yd.	162	
Furnishing Steel Piles HP12x53		Ft.	468	
Driving Piles		Ft.	468	
Test Piles Steel HP12x53		Each	1	
Concrete Encasement		Cu. Yd.	3.5	

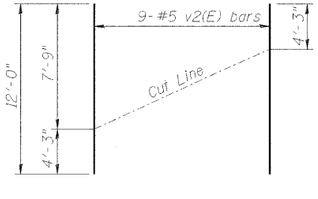
Note:
For details of piles and encasement, see Sheet 19 of 22.



DETAIL 'A'

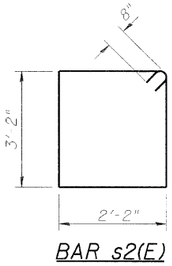
PILE DATA

Type:	Steel HP12x53
Nominal Required Bearing:	419 kips
Allowable Resistance Available:	140 kips
Est. Length: .	52 ft.
No. of Production Piles:	9
No. of Test Piles:	1

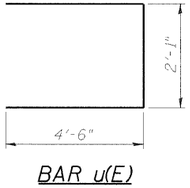


FIELD CUTTING DIAGRAM

Order v (E) full length. Cut as shown and use remainder of bars in opposite face.

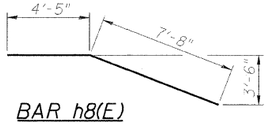


BAR s2(E)



BAR u(E)

BAR u1(E)



BAR h8(E)

NORTH ABUTMENT
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05
DESIGN	RMG	1/15/07
REVIEWED	JJT	1/15/07

12/23/2009
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	286
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

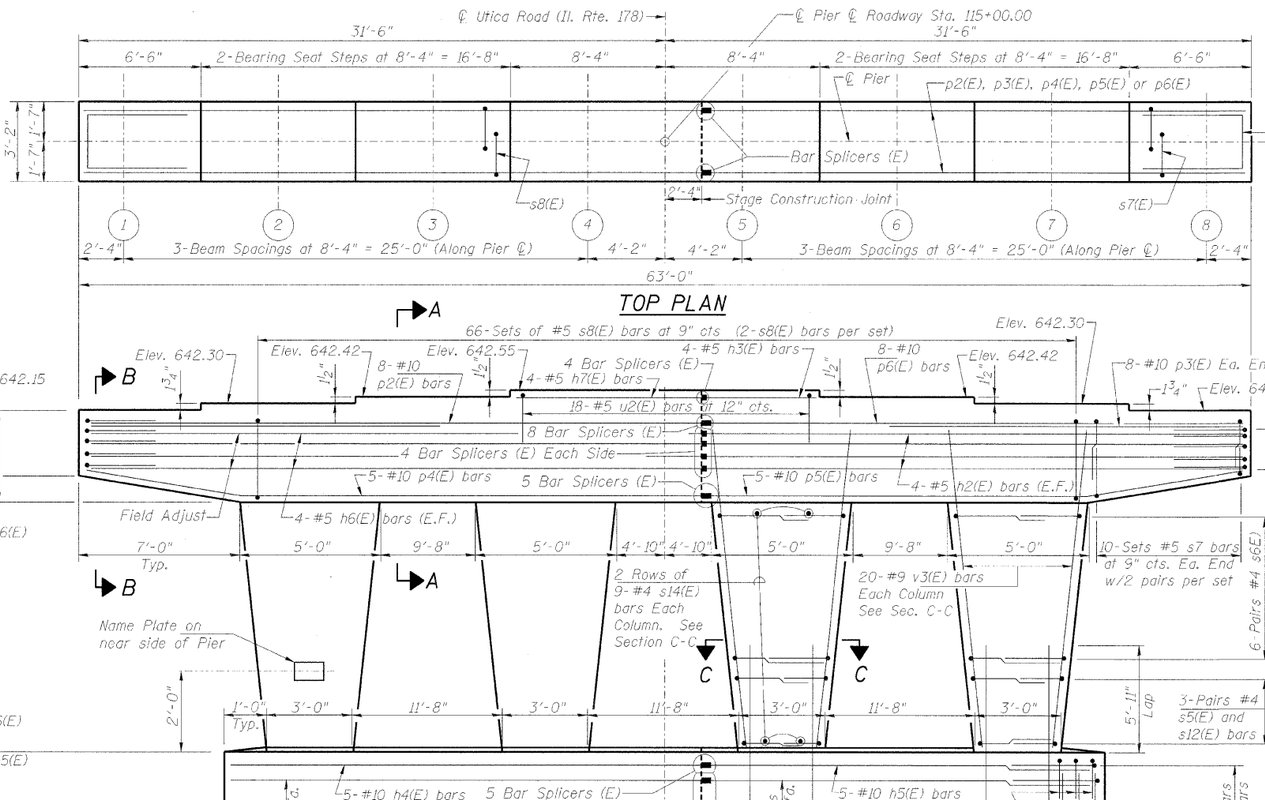
*50-3HBK

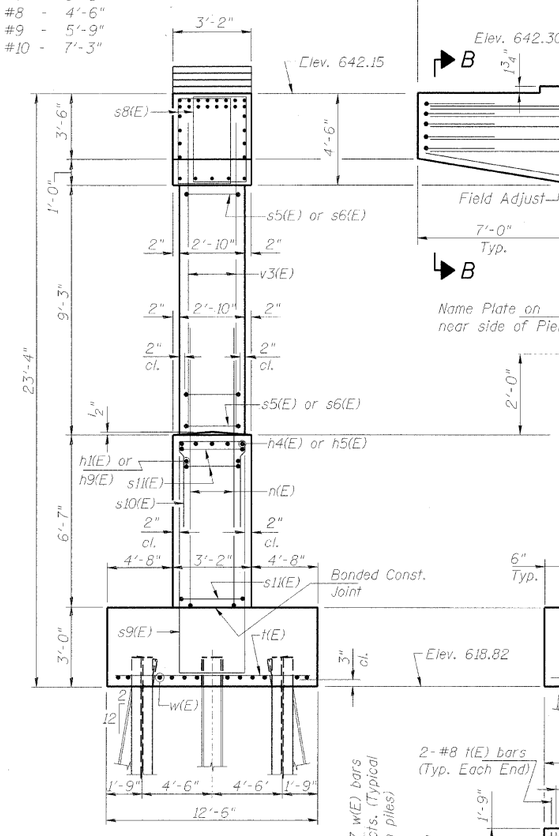
SHEET NO. 18
22 SHEETS
CONTRACT NO. 66542

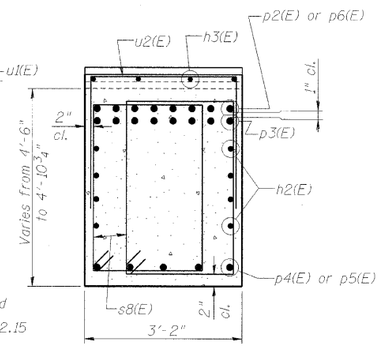
Note:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
Reinforcement bars indicated thus 6x2 - #10 etc. Indicates 6 lines of bars with 2 lengths per line.
See Sheet 20 of 22 for Bar Splicer Details.
For details of piles, see Sheet 19 of 22

MINIMUM BAR LAPS

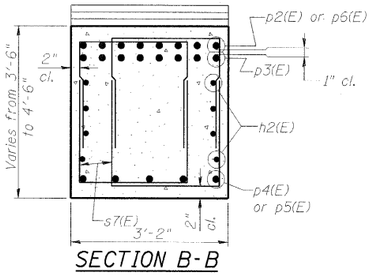
#4	1'-8"
#5	2'-2"
#6	2' 7"
#7	3'-5"
#8	4'-6"
#9	5'-9"
#10	7'-3"



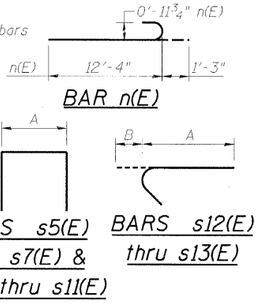




SECTION A-A



SECTION B-B



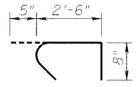
BAR n(E)

BARS s5(E) thru s7(E) & s9(E) thru s11(E)

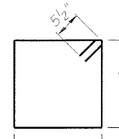
BARS s12(E) thru s13(E)

A & B DIMENSIONS

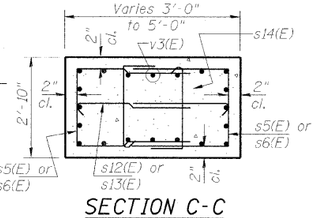
Bar	A	B
s5(E)	2'-6"	2'-5"
s6(E)	2'-6"	3'-2"
s7(E)	2'-2"	3'-2"
s9(E)	2'-10"	9'-1"
s10(E)	2'-10"	2'-7"
s11(E)	2'-8"	2'-2"
s12(E)	2'-5"	0'-5"
s13(E)	3'-2"	0'-5"



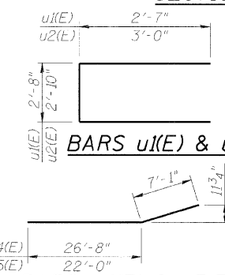
BAR s14(E)



BAR s8(E)



SECTION C-C



BARS p4(E) & p5(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	12	#6	26'-6"	
h2(E)	8	#5	28'-10"	
h3(E)	4	#5	5'-8"	
h4(E)	5	#10	26'-6"	
h5(E)	5	#10	21'-10"	
h6(E)	8	#5	33'-6"	
h7(E)	4	#5	10'-4"	
h9(E)	12	#6	21'-10"	
n(E)	80	#9	13'-7"	
p2(E)	8	#10	33'-6"	
p3(E)	16	#10	18'-7"	
p4(E)	5	#10	33'-9"	
p5(E)	5	#10	29'-1"	
p6(E)	8	#10	28'-10"	
s5(E)	24	#4	7'-4"	
s6(E)	48	#4	8'-10"	
s7(E)	80	#5	8'-6"	
s8(E)	132	#5	13'-7"	
s9(E)	50	#8	21'-0"	
s10(E)	50	#6	8'-0"	
s11(E)	14	#5	7'-0"	
s12(E)	24	#4	2'-10"	
s13(E)	48	#4	3'-7"	
s14(E)	72	#4	3'-7"	
t(E)	81	#8	12'-2"	
u1(E)	10	#6	7'-10"	
u2(E)	18	#5	8'-10"	
v3(E)	80	#9	13'-0"	
w(E)	24	#7	24'-8"	
Structure Excavation		Cu. Yd.	199	
Concrete Structures		Cu. Yd.	156.9	
Reinforcement Bars, Epoxy Coated		Pound	25450	
Furnishing Steel Piles HP12x63		Ft.	630	
Driving Piles		Ft.	630	
Test Pile Steel HP12x63		Each	1	

PILE DATA

Type:	Steel HP12x63
Nominal Required Bearing:	497 kips
Allowable Resistance Available:	166 kips
Est. Length: .	30 ft.
No. of Production Piles:	21
No. of Test Piles:	1

PIER DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMW	11/16/05	
DRAWN	Rod	1/15/07	
REVIEWED	JJW	1/15/07	

12/23/2009
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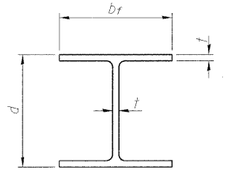
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 5120	*	LaSALLE	492	287
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

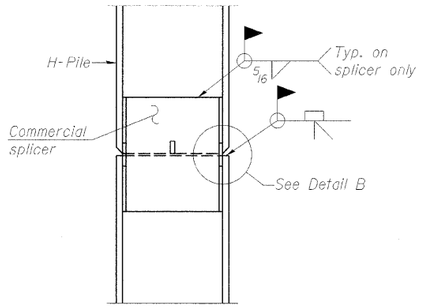
*50-3HBK

SHEET NO. 19
22 SHEETS
CONTRACT NO. 66542

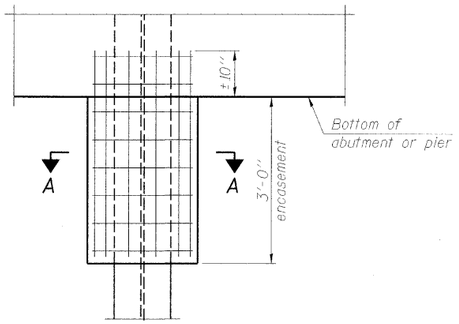


STEEL PILE TABLE

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



ELEVATION



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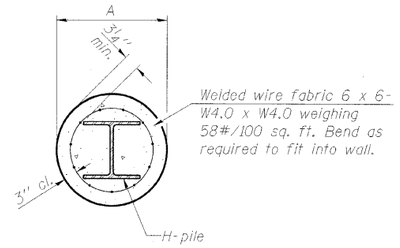
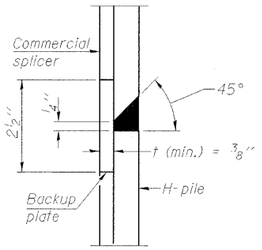


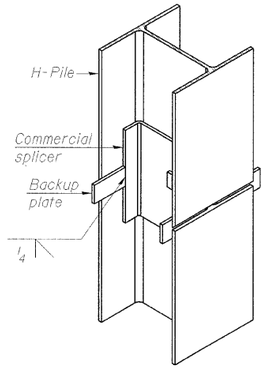
SECTION A-A

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

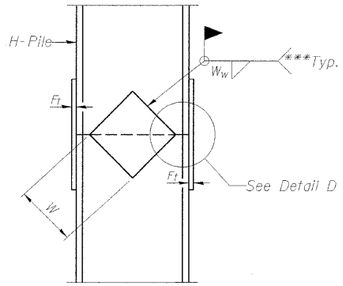
PILE ENCASEMENT



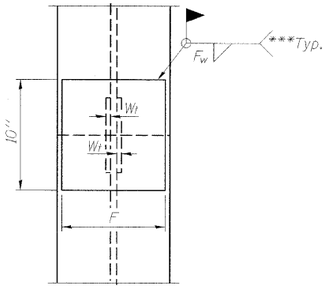
DETAIL "B"



ISOMETRIC VIEW

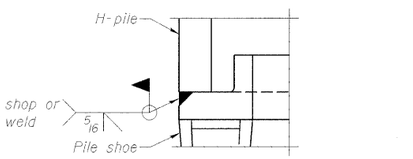


ELEVATION



END VIEW

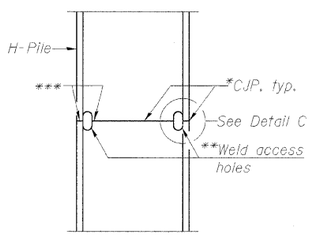
WELDED COMMERCIAL SPLICE



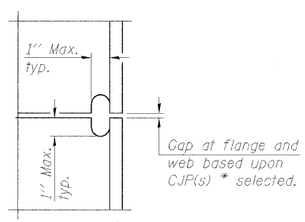
ELEVATION

DETAIL A

H-PILE SHOE ATTACHMENT

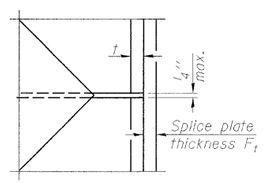


ELEVATION



DETAIL C

COMPLETE PENETRATION WELD SPLICE



DETAIL D

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

WELDED PLATE FIELD SPLICE

* Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.
** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.
*** Interrupt welds ¼'' from end of each pile.

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

STEEL PILE DETAILS
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MW	11/16/05
DRAWN	Rod	1/15/07
REVIEWED	cjf	1/15/07

12/23/2009
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F-HP

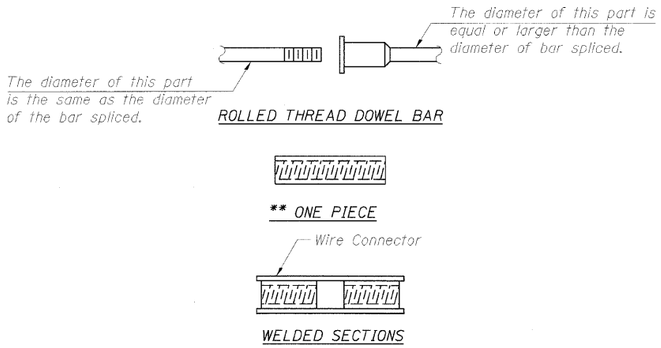
10-1-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	288
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

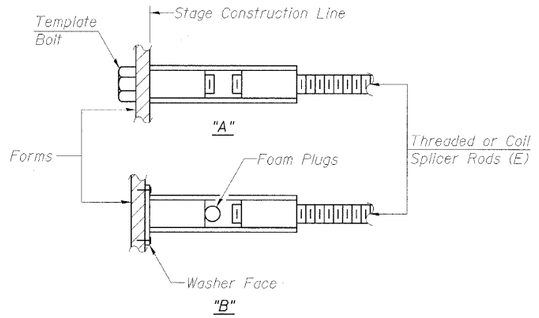
*50-3HBK

SHEET NO. 20
22 SHEETS
CONTRACT NO. 66542



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

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

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

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

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

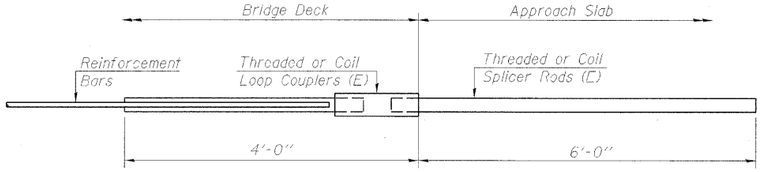
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an apprcved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$

② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$

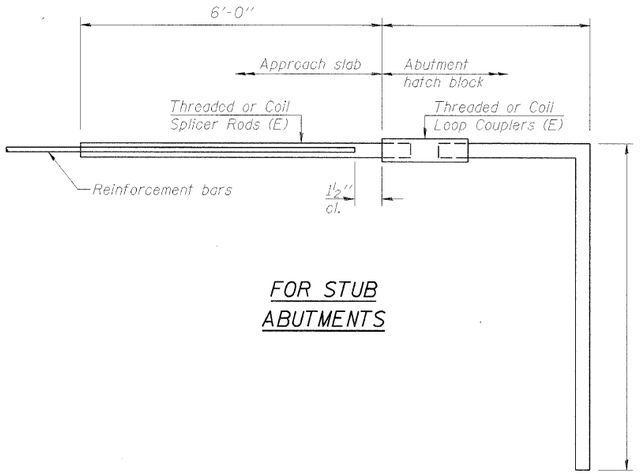
Where f_y = Yield strength of lapped reinforcement bars in ksi.
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



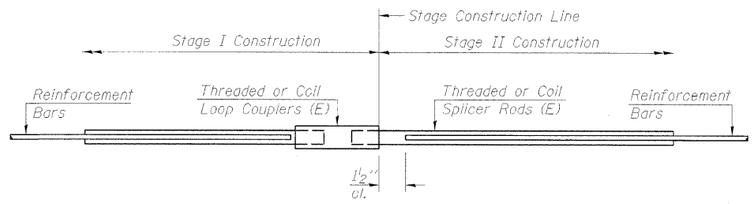
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull out Strength = 12.3 kips - tension
No. Required = 130



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 0



STANDARD

Bar Size	No. Assemblies Required	Location
#5	4	Pier Brg. Seat
#5	8	Pier Cap Sides
#7	12	Pier Ftg. Bottom
#10	8	Pier Cap Top
#10	5	Pier Cap Bottom
#10	5	Top Crash Wall
#5	421	Top of Slab
#5	309	Bottom of Slab
#6	16	Abutment Diaphragm
#8	24	Abutment Cap
#4	8	Abutment Step
#6	12	Crash Wall Sides

UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015
DATE 10/12/09

LAYOUT	MMM	11/16/05
DRAWN	Rod	1/5/07
REVIEWED	JJT	1/15/07

12-23-2009
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BSD-1 10-1-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	289
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 21
22 SHEETS
CONTRACT NO. 66542

Illinois Department of Transportation — SOIL BORING LOG

Page 1 of 2 — Date 3/11/02

ROUTE FAI 80 — DESCRIPTION COUNTY HIGHWAY 43(UTICA ROAD) OVER FAI 80 — LOGGED BY K.W.

SECTION 50-2HB-5 — LOCATION NW 1/4, SEC. 4, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Automatic

STRUCT. NO. 050-0084 (Exist.) 050-0248 (Prop.) — Station 895+86.16

BORING NO. 1 NORTH ABUT. — Station 896+04.66 — Offset 108.00ft LT — Ground Surface Elev. 644.63 ft

Surface Water Elev. ____ ft — Stream Bed Elev. ____ ft

Groundwater Elev.: — First Encountar ____ ft — Upon Completion ____ ft — After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS CONCRETE OVER CA06 GRAVEL			
642.13			
Medium Loose SAND (FILL)	4		
	7	-	7
	10	-	
-5			
	2		
638.63	3	-	14
Stiff Brown SILTY CLAY TILL (FILL)	3	1.5 P	20
	2		
	3	1.8 B	29
	4		
-10			
634.13	5		
Stiff Gray SILTY CLAY (FILL)	5	1.2 P	27
	5		
632.63			
Mix of Brown & Gray CLAY LOAM TILL with Gray SILTY CLAY (FILL)	6		
	6	1.5 B	17
	9		
630.13			
Stiff Brown CLAY LOAM -SILTY CLY LOAM TILL (FILL)	-15		
	5		
	5	1.7 P	14
	7		
	3		
	9	1.7 B	16
-20	9		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	5		
Stiff Brown CLAY LOAM -SILTY CLY LOAM TILL (FILL) (continued)	6	0.9	21
	7	B	
620.63			
Stiff Black SILTY CLAY			
619.63 -25	3		
Medium to Stiff Gray Brown SILTY CLAY	3	1.0	26
	4	B	
617.63			
Hard Brown SILTY CLAY TILL	4		
	5	4.7	17
	7	B	
-30			
	5		
	7	4.0	17
	11	B	
	7		
	7	4.2	18
	12	B	
610.13 -35			
Hard Gray SILTY CLAY TILL	7		
	10	4.9	20
	15	B	
607.63			
Dense Brown Fairly Well-graded Fine to Medium SAND	19		
	22	-	6
	25	-	
605.13 -40			

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 — SOIL BORING LOG

Page 2 of 2 — Date 3/11/02

ROUTE FAI 80 — DESCRIPTION COUNTY HIGHWAY 43(UTICA ROAD) OVER FAI 80 — LOGGED BY K.W.

SECTION 50-2HB-5 — LOCATION NW 1/4, SEC. 4, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Automatic

STRUCT. NO. 050-0084 (Exist.) 050-0248 (Prop.) — Station 895+86.16

BORING NO. 1 NORTH ABUT. — Station 896+04.66 — Offset 108.00ft LT — Ground Surface Elev. 644.63 ft

Surface Water Elev. ____ ft — Stream Bed Elev. ____ ft

Groundwater Elev.: — First Encountar ____ ft — Upon Completion ____ ft — After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Brown Fine SAND & Medium GRAVEL (continued)	8		
	19	-	4
	27	-	
602.63			
Dense Brown SAND & Subangular Coarse GRAVEL	15		
	30	-	5
	33	-	
-45			
	15		
	18	-	4
	23	-	
	11		
	16	-	2
595.13	26	-	
Medium Brown SAND & GRAVEL -50	11		
	11	-	5
592.63	12	-	
Dense Brown SAND & Coarse GRAVEL	12		
	18	-	5
590.63	100	-	
Dense ST. PETER SANDSTONE FORMATION -55 ANCELL GROUP ORDOVICIAN SYSTEM	136/		
	.75"	-	-
		-	
587.13	100.5"		
End of Boring -60			

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 — SOIL BORING LOG

Page 1 of 2 — Date 3/12/02

ROUTE FAI 80 — DESCRIPTION COUNTY HIGHWAY 43 (UTICA ROAD) OVER FAI 80 — LOGGED BY K.W.

SECTION 50-2HB-5 — LOCATION NE 1/4, SEC. 5, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE Automatic

STRUCT. NO. 050-0084 (Exist.) 050-0248 (Prop.) — Station 895+86.16

BORING NO. 2 SOUTH ABUT. — Station 895+68.16 — Offset 110.00ft RT — Ground Surface Elev. 644.71 ft

Surface Water Elev. ____ ft — Stream Bed Elev. ____ ft

Groundwater Elev.: — First Encountar 622.7 ft ▼ — Upon Completion 597.7 ft ▽ — After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGERED BITUMINOUS CONCRETE OVER CONCRETE SLAB OVER SAND			
642.71			
Loose Brown SAND (FILL)	2		
	3	-	8
	2	-	
-5			
	3		
	4	-	8
	4	-	
637.71			
Stiff Mix of GRAY SILTY CLAY TILL; Black SILTY CLAY LOAM & Greenish Gray SILTY CLAY (FILL)	3		
	5	1.5	22
	7	P	
635.71			
Stiff Brown SILTY CLAY TILL	4		
-10			
	4	1.7	26
	4	B	
633.21			
Stiff Mix of Brown SILTY CLAY LOAM TILL & Black SILTY CLAY LOAM	3		
	4	1.9	18
	6	B	
630.71			
Stiff Brown SILTY CLAY TILL (FILL)	2		
-15			
	4	1.9	21
	5	B	
	4		
	9	1.0	15
	7	P	
-20	3		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Brown SILTY CLAY TILL (FILL) (continued)	6	1.5	15
	6	P	
622.21			
Loose Wet Brown SAND (FILL)	5		17
621.71	6		19
Stiff to Very Stiff Black SILTY CLAY LOAM	9	2.5	20
620.71			
Stiff Greenish Gray SILTY CLAY			
-25	3		
	4	1.0	28
	7	P	
617.71			
Very Stiff Brown SILTY CLAY TILL	3		
	6	2.7	18
	7	B	
	3		
-30			
	4	2.9	17
	8	B	
	5		
-35			
	9	3.8	17
	11	B	
	5		
	12	3.0	13
	17	P	
608.21			
Dense Brown Fine to Medium Well graded SAND with Some Pebbles	25		
	36	-	3
	43	-	
-40	10		

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)

LAYOUT	AMM	11/16/05
DRAWN	Abd	1/15/07
REVIEWED	JJT	1/15/07

Feb 10,2010 - 01:30:27 PM
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BORINGS (Sheet 1)
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

HANSON

JOB NO. 05S2015

DATE 10/12/09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. Rte. 6120	*	LaSALLE	492	290
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*50-3HBK

SHEET NO. 22
22 SHEETS
CONTRACT NO. 66542

Illinois Department of Transportation
Division of Highways
District 6&, Chicago

SOIL BORING LOG

Page 2 of 2

Date 3/12/02

ROUTE FAI 80 DESCRIPTION COUNTY HIGHWAY 43 (UTICA ROAD) OVER FAI 80 LOGGED BY K.W.

SECTION 50-2HB-5 LOCATION NE 1/4, SEC. 5, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0084 (Exist.) 050-0248 (Prop.)
Station 895+86.16

BORING NO. 2 SOUTH ABUT.
Station 895+68.16
Offset 110.00ft RT
Ground Surface Elev. 644.71 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 622.7 ft
Upon Completion 597.7 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Brown Fine to Medium Well graded SAND with Some Pebbles *(continued)*	28	-	6
	35	-	
	14		
	24	-	5
	29	-	
-45	10		
	19	-	5
	23	-	
▽	18		
	25	-	4
	23	-	
-50	8		
	11	-	7
	13	-	
592.21	10		
TOP of ST. PETER SANDSTONE	200	-	4
591.21	100	-	
End of Boring			
-55			
-60			

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. 8-85)

Illinois Department of Transportation
Division of Highways
District 6&, Chicago

SOIL BORING LOG

Page 1 of 1

Date 5/21/02

ROUTE FAI 80 DESCRIPTION COUNTY HIGHWAY 43 (UTICA ROAD) OVER FAI 80 LOGGED BY L.M.

SECTION 50-2HB-5 LOCATION NW 1/4, SEC. 4, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0084 (Exist.) 050-0248 (Prop.)
Station 895+86.16

BORING NO. 3 MEDIAN PIER
Station 896+23.16
Offset 8.50ft RT
Ground Surface Elev. 623.15 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY LOAM			
620.65	2		
Stiff Brown CLAY LOAM	3	1.3	31
	4	B	
618.65			
Stiff Brown SILTY CLAY LOAM -5	2		
617.15	2	2.0	31
Stiff Brown SILTY CLAY LOAM TILL	3		19
616.15			
Very Stiff Brown SILTY CLAY TILL	3		
	7	4.0	18
	8	P	
613.65			
Hard Brown SILTY CLAY TILL -10	5		
	7	4.5	17
	8	B	
	3		
	8	4.0	14
	10	B	
608.65			
Very Stiff Gray SILTY LOAM TILL -15	12		
	22	3.5	10
	20	S	
605.65			
Dense Brown Well graded Medium SAND	12		
	19	-	6
	25	-	
-30			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Brown Well graded Medium SAND *(continued)*	7		
	13	-	5
	21	-	
600.15	9		
Brown Coarse SAND & GRAVEL	15	-	6
	17	-	
-25	7		
	14	-	5
	15	-	
	10		
	9	-	8
	13	-	
593.15 -30			
Dark Brown Fractured LIMESTONE	150		8
592.15	63		8
TOP OF ST. PETER SANDSTONE 591.65	100		5
End of Boring			
-35			
-40			

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. 8-85)

LAYOUT	MAM	11/16/05
DRAWN	Rod	1/15/07
REVIEWED	JJT	1/15/07

Feb 10, 2010 - 01:31:12 PM
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BORINGS (Sheet 2)
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

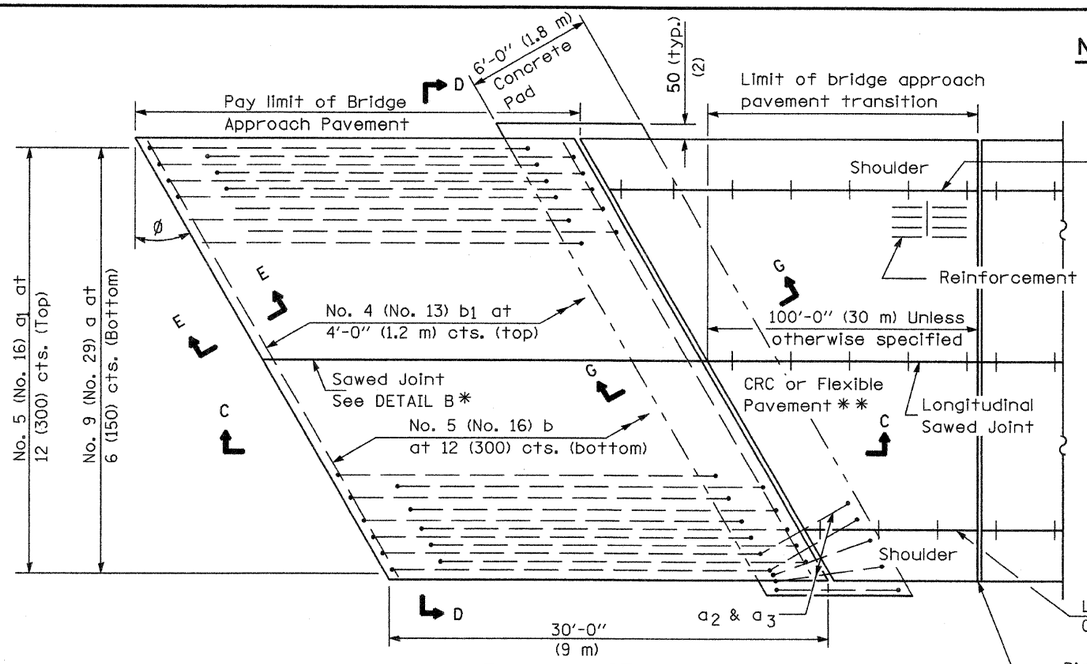
HANSON

JOB NO. 05S2015

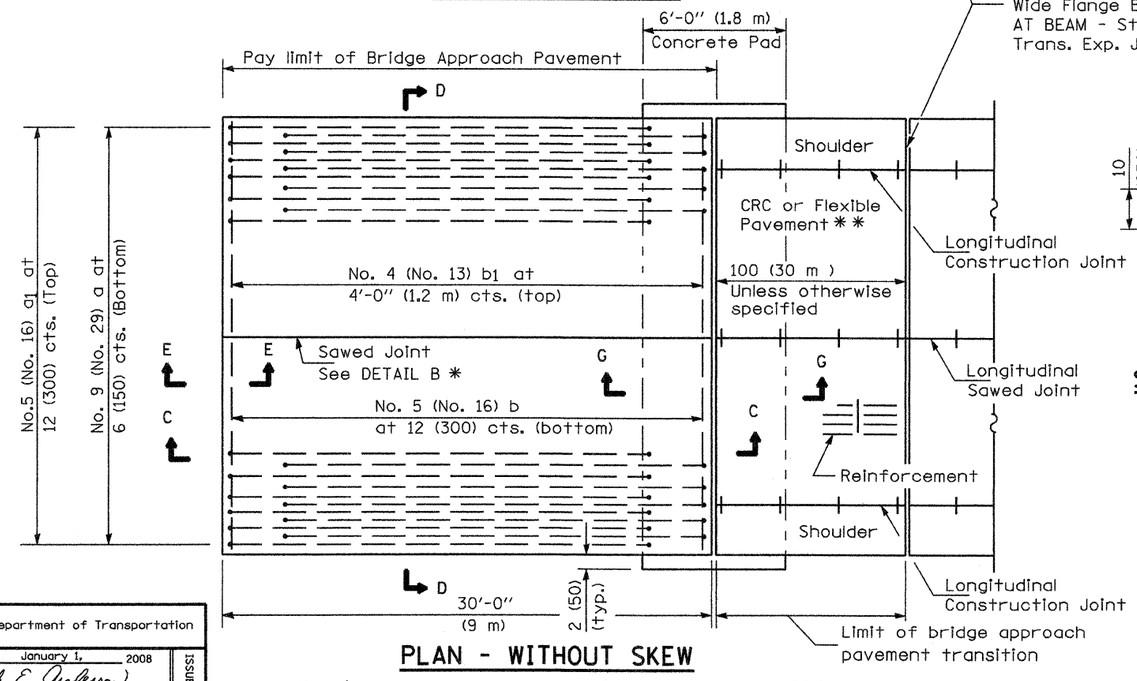
DATE 10/12/09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	290A
CONTRACT NO. 66542				

NEW CONSTRUCTION

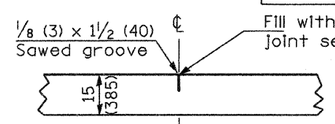


PLAN - WITH SKEW



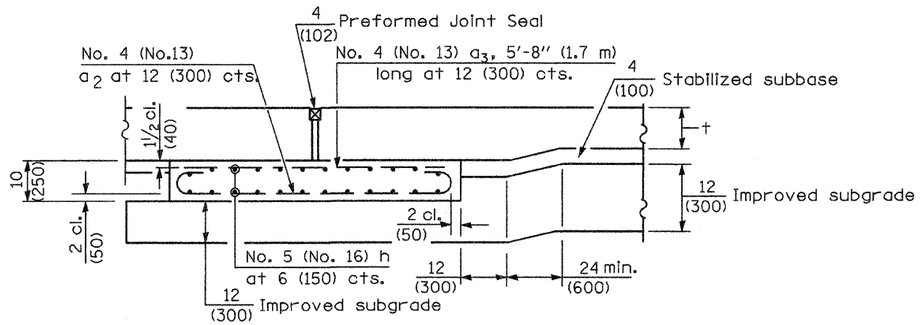
PLAN - WITHOUT SKEW

* Saw ℄ or lane edge if poured two or more lane widths at a time.
** Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.



DETAIL B*

(Reinforcement Not Shown)

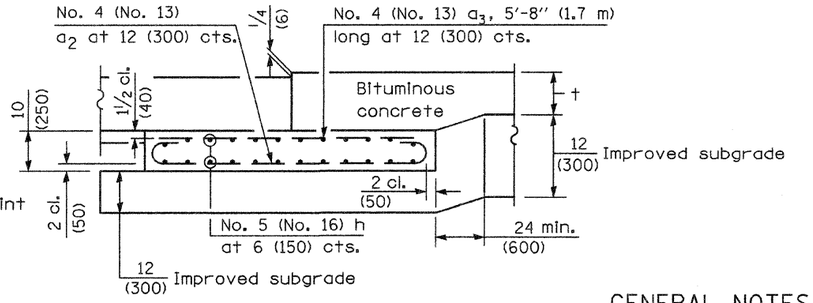


SECTION G-G - RIGID PAVEMENT

(Showing reinforcement)

Rigid Pavement only:

Wide Flange Beam Terminal Joint (See DETAIL AT BEAM - Standard 421101 or 421106) or 2 (50) Trans. Exp. Joint as detailed on Standard 420001.



SECTION G-G - FLEXIBLE PAVEMENT

(Showing reinforcement)

GENERAL NOTES

THICKNESS-"t"=Thickness of Pavement.

See Standard 421001 for reinforcement details not shown.

See Standard 420001 for joint details not shown.

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

Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2008
Eric E. Harm
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

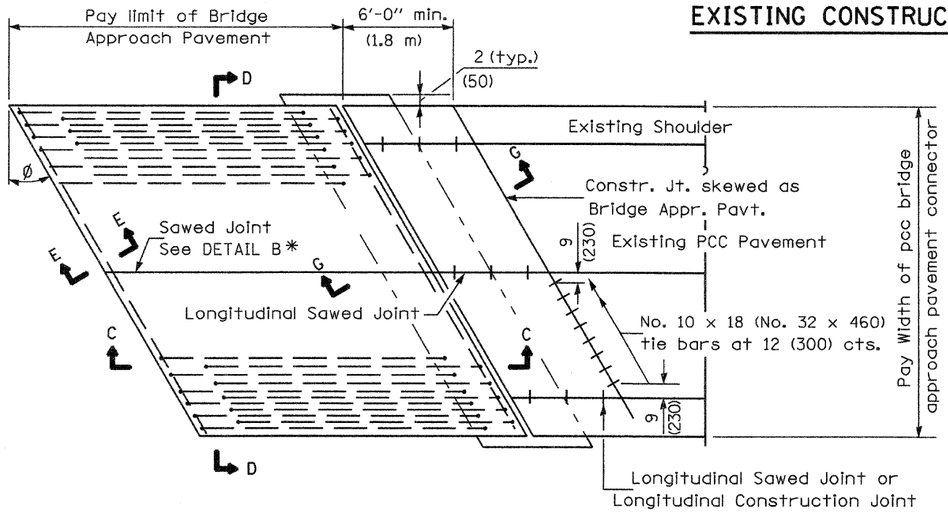
DATE	REVISIONS
1-1-08	Switched units to English
	(metric). Moved rebar epoxy
	coat note to Standard Spec.
1-1-04	Rev. size of Trans. Exp.
	Jt. and soft converted
	metric reinf.

BRIDGE APPROACH PAVEMENT

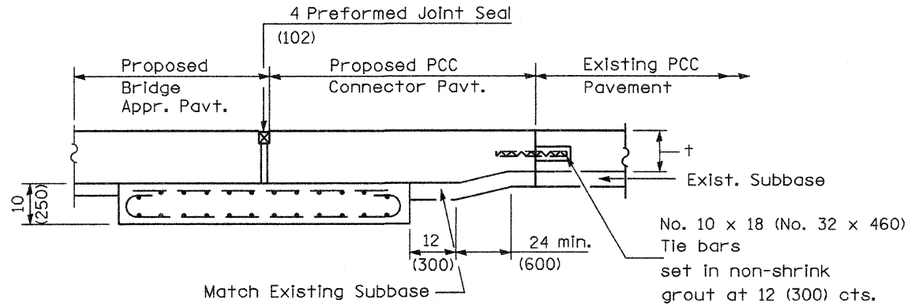
(Sheet 1 of 4)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	2908
CONTRACT NO. 66542				

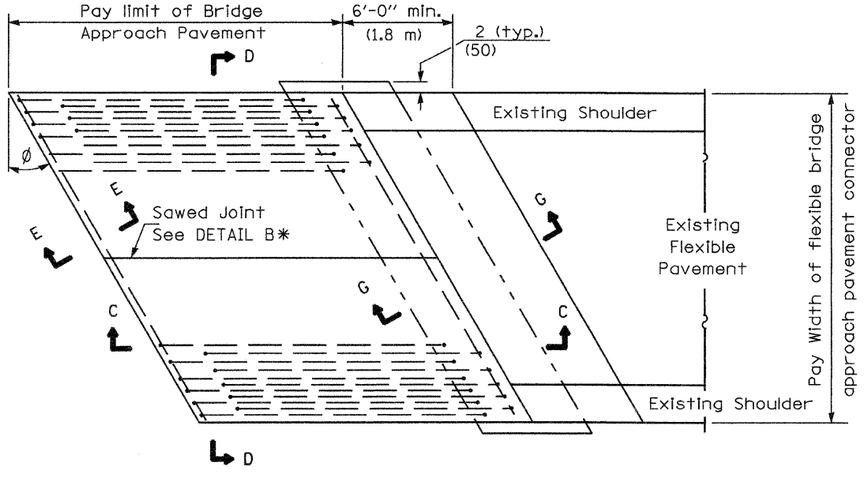
EXISTING CONSTRUCTION



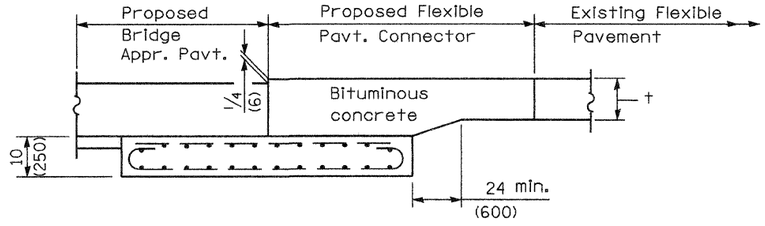
BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)



SECTION G-G - RIGID PAVEMENT



BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)



SECTION G-G - FLEXIBLE PAVEMENT

Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

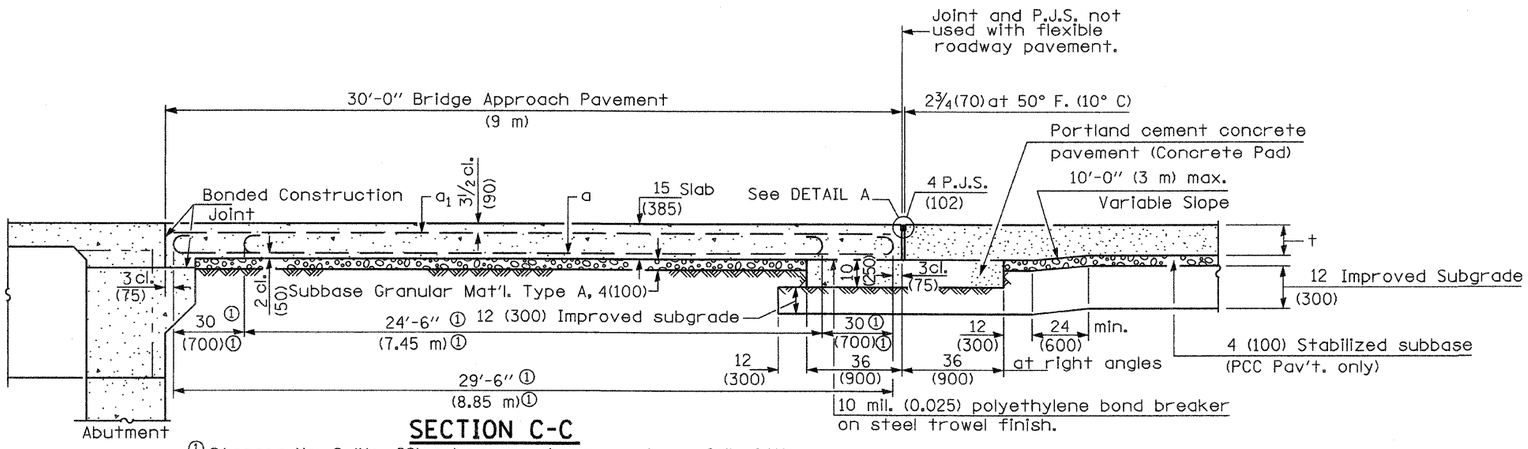
APPROVED January 1, 2008
Eric E. Harm
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

BRIDGE APPROACH PAVEMENT

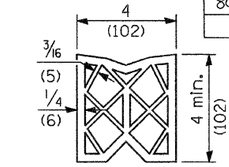
(Sheet 2 of 4)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	290C
CONTRACT NO. 66542				

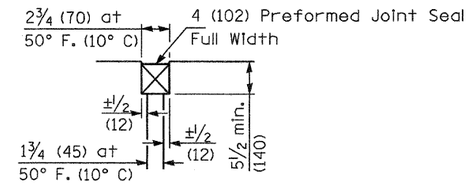


SECTION C-C

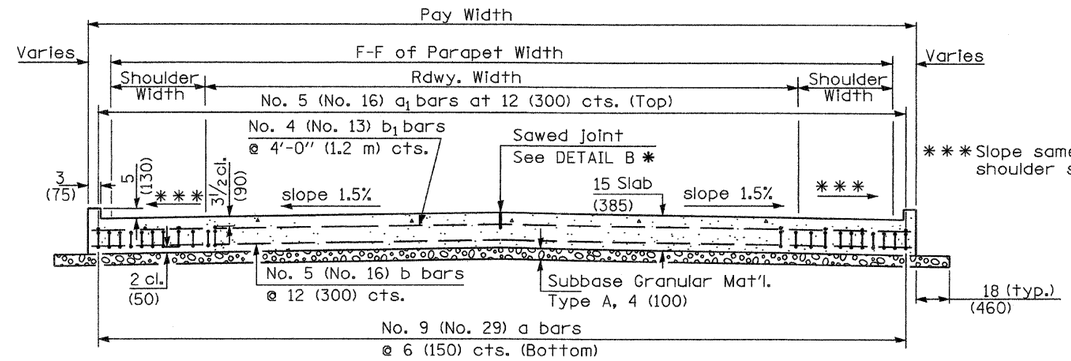
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



PREFORMED JOINT SEAL

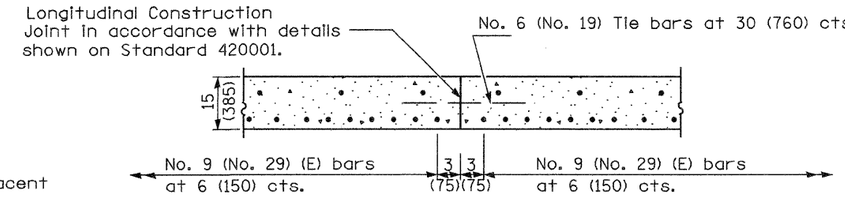


DETAIL A



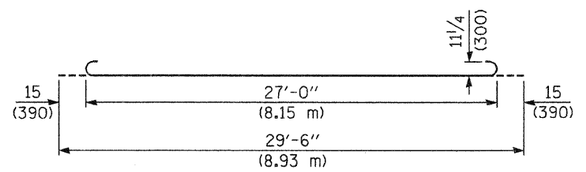
SECTION D-D

(See Plan for Dimensions not shown)

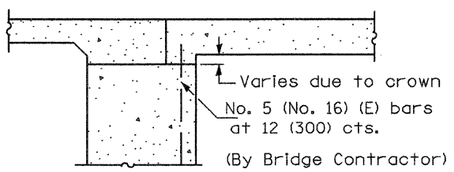


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT

As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.

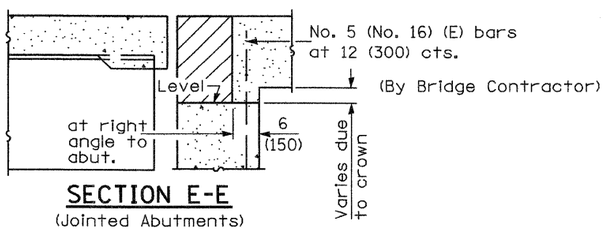


BAR a



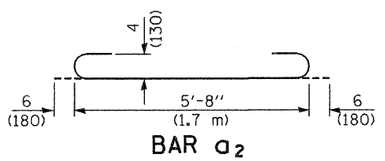
SECTION E-E

(Integral Abutments)



SECTION E-E

(Jointed Abutments)



BAR a2

DESIGN STRESSES

fy = 60,000 p.s.i. (400 MPa)
f'c = 3,500 p.s.i. (24 MPa)
n = 8.5

Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES
APPROVED January 1, 2008
Eric E. Harm
ENGINEER OF DESIGN AND ENVIRONMENT

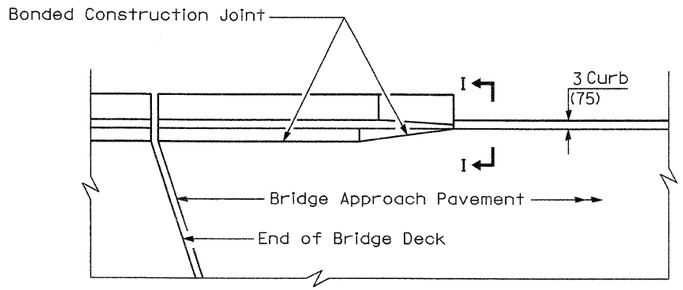
ISSUED 1-1-97

BRIDGE APPROACH PAVEMENT

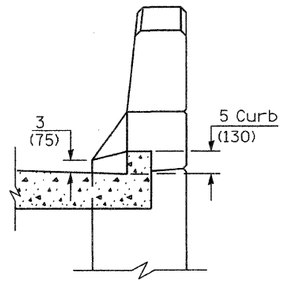
(Sheet 3 of 4)

ORIGIN...

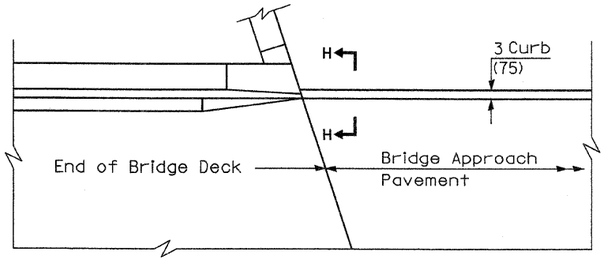
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	290D
CONTRACT NO. 66542				



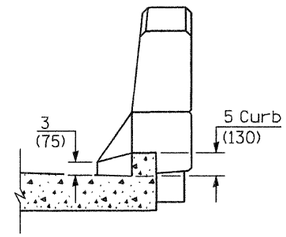
PARAPET TO CURB TRANSITION
PILE BENT ABUTMENT



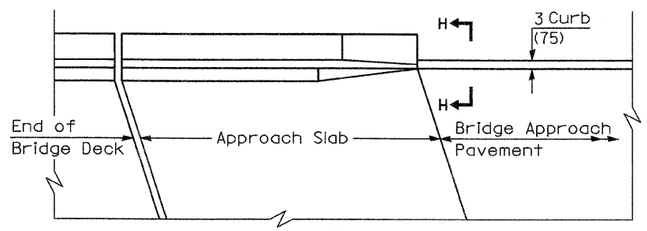
SECTION I - I



PARAPET TO CURB TRANSITION
INTEGRAL ABUTMENT



SECTION H - H



PARAPET TO CURB TRANSITION
VAULTED ABUTMENT

Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

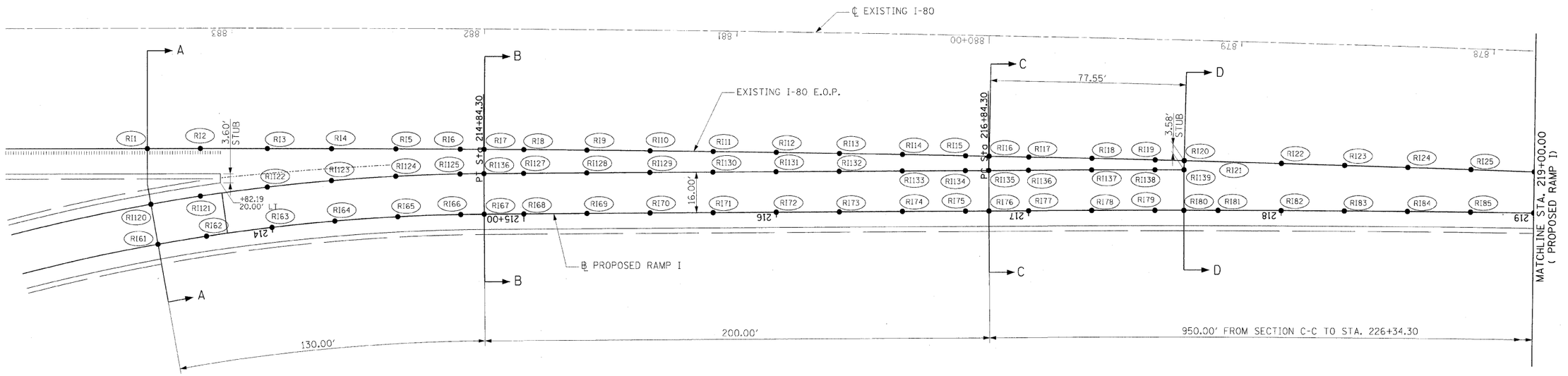
ISSUED 1-1-97

BRIDGE APPROACH PAVEMENT

(Sheet 4 of 4)

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	291
STA. 213+54.30		TO STA. 219+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP I GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
SECTION A-A	RI 1	883+33.67	47.72' LT	622.12	213+54.30	RI 61	BASELINE	620.66	RI 120	16.00' LT	621.94
VPI	RI 2	883+12.64	47.72' LT	622.07	213+75.00	RI 62	BASELINE	620.62	RI 121	16.00' LT	621.90
VPI	RI 3	882+86.00	47.72' LT	621.96	214+00.00	RI 63	BASELINE	620.56	RI 122	16.00' LT	621.84
VPI	RI 4	882+60.51	47.72' LT	621.83	214+25.00	RI 64	BASELINE	620.51	RI 123	16.00' LT	621.69
VPI	RI 5	882+34.95	47.72' LT	621.69	214+50.00	RI 65	BASELINE	620.45	RI 124	16.00' LT	621.54
VPI	RI 6	882+09.35	47.73' LT	621.55	214+75.00	RI 66	BASELINE	620.40	RI 125	16.00' LT	621.39
SECTION B-B	RI 7	881+99.83	47.73' LT	621.51	214+84.30	RI 67	BASELINE	620.38	RI 126	16.00' LT	621.34
VPI	RI 8	881+84.06	47.73' LT	621.44	215+00.00	RI 68	BASELINE	620.33	RI 127	16.00' LT	621.23
VPI	RI 9	881+58.97	47.73' LT	621.32	215+25.00	RI 69	BASELINE	620.25	RI 128	16.00' LT	621.05
VPI	RI 10	881+33.88	47.73' LT	621.19	215+50.00	RI 70	BASELINE	620.16	RI 129	16.00' LT	620.88
VPI	RI 11	881+08.79	47.73' LT	621.08	215+75.00	RI 71	BASELINE	620.08	RI 130	16.00' LT	620.70
VPI	RI 12	880+83.70	47.74' LT	620.93	216+00.00	RI 72	BASELINE	620.00	RI 131	16.00' LT	620.52
VPI	RI 13	880+58.62	47.74' LT	620.75	216+25.00	RI 73	BASELINE	619.92	RI 132	16.00' LT	620.34
VPI	RI 14	880+33.53	47.74' LT	620.59	216+50.00	RI 74	BASELINE	619.83	RI 133	16.00' LT	620.17
VPI	RI 15	880+08.45	47.74' LT	620.43	216+75.00	RI 75	BASELINE	619.75	RI 134	16.00' LT	620.07
SECTION C-C PHYS. NOSE	RI 16	879+99.13	47.74' LT	620.36	216+84.30	RI 76	BASELINE	619.72	RI 135	16.00' LT	620.04
VPI	RI 17	879+83.35	47.75' LT	620.23	217+00.00	RI 77	BASELINE	619.63	RI 136	16.00' LT	621.34
VPI	RI 18	879+58.23	47.75' LT	620.01	217+25.00	RI 78	BASELINE	619.50	RI 137	16.00' LT	619.82
VPI	RI 19	879+33.12	47.75' LT	619.81	217+50.00	RI 79	BASELINE	619.36	RI 138	16.00' LT	619.68
SECTION D-D	RI 20	879+21.58	47.75' LT	619.73	217+61.49	RI 80	BASELINE	619.30	RI 139	16.00' LT	619.62
VPI	RI 21	879+08.09	47.75' LT	619.63	217+75.00	RI 81	BASELINE	619.20			
VPI	RI 22	878+82.96	47.76' LT	619.43	218+00.00	RI 82	BASELINE	619.01			
VPI	RI 23	878+57.83	47.76' LT	619.24	218+25.00	RI 83	BASELINE	618.82			
VPI	RI 24	878+32.71	47.76' LT	619.04	218+50.00	RI 84	BASELINE	618.63			
VPI	RI 25	878+07.58	47.77' LT	618.83	218+75.00	RI 85	BASELINE	618.44			

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

N

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP I GORE ELEVATION DETAIL

SCALE: VERT.
HORIZ. 1"=20'
DATE

DRAWN BY JAP
CHECKED BY

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

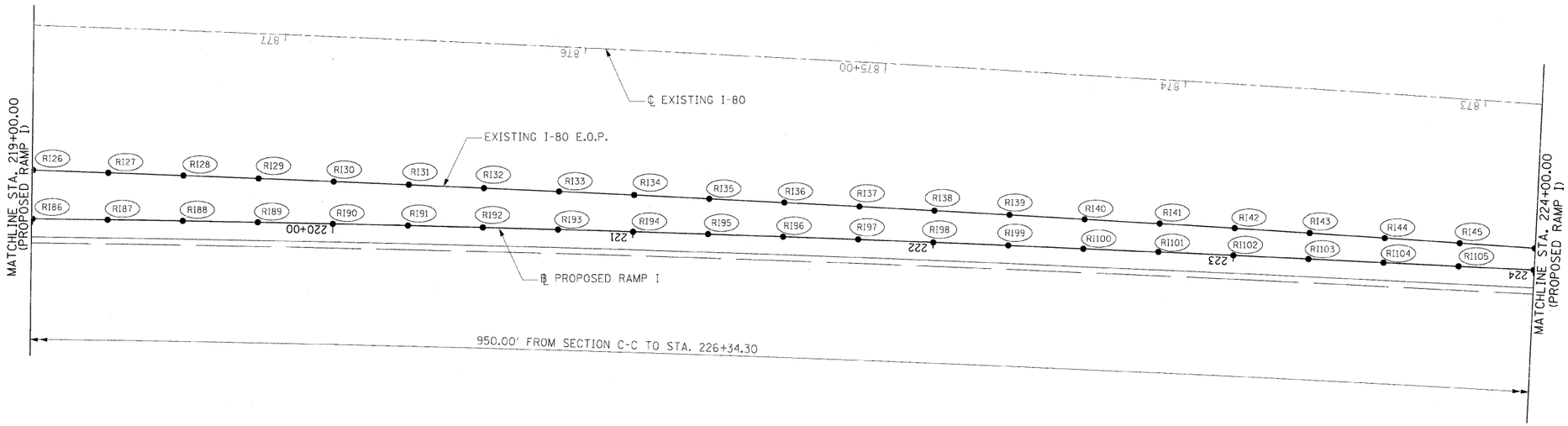
LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	MTM	10/1/07

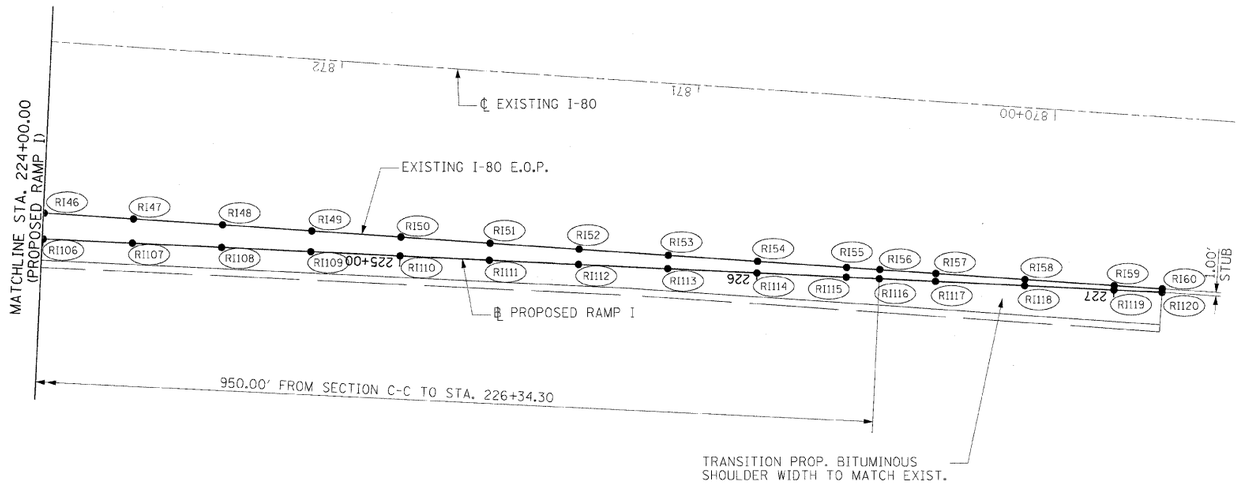
MODEL NAME = Ramp I Sht 1
PLOT DATE = 12/3/2008
FILE NAME = E:\PW_Exports\C-53\GORE.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = John-d8744

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	292
STA. 209+00.00		TO STA. 227+13.48		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





RAMP I GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RI 26	877+82.46	47.77' LT	618.62	219+00.00	RI 86	BASELINE	618.25			
VPI	RI 27	877+57.34	47.77' LT	618.41	219+25.00	RI 87	BASELINE	618.06			
VPI	RI 28	877+32.22	47.78' LT	618.20	219+50.00	RI 88	BASELINE	617.87			
VPI	RI 29	877+07.10	47.78' LT	618.00	219+75.00	RI 89	BASELINE	617.68			
VPI	RI 30	876+81.98	47.78' LT	617.80	220+00.00	RI 90	BASELINE	617.49			
VPI	RI 31	876+56.87	47.79' LT	617.60	220+25.00	RI 91	BASELINE	617.30			
VPI	RI 32	876+31.75	47.79' LT	617.38	220+50.00	RI 92	BASELINE	617.11			
VPI	RI 33	876+06.64	47.79' LT	617.15	220+75.00	RI 93	BASELINE	616.92			
VPI	RI 34	875+81.53	47.80' LT	616.95	221+00.00	RI 94	BASELINE	616.73			
VPI	RI 35	875+56.42	47.80' LT	616.75	221+25.00	RI 95	BASELINE	616.54			
VPI	RI 36	875+31.31	47.81' LT	616.56	221+50.00	RI 96	BASELINE	616.35			
VPI	RI 37	875+06.20	47.81' LT	616.37	221+75.00	RI 97	BASELINE	616.16			
VPI	RI 38	874+81.10	47.82' LT	616.17	222+00.00	RI 98	BASELINE	615.97			
VPI	RI 39	874+55.99	47.82' LT	615.96	222+25.00	RI 99	BASELINE	615.78			
VPI	RI 40	874+30.89	47.82' LT	615.75	222+50.00	RI 100	BASELINE	615.59			
VPI	RI 41	874+05.78	47.83' LT	615.53	222+75.00	RI 101	BASELINE	615.40			
VPI	RI 42	873+80.68	47.83' LT	615.34	223+00.00	RI 102	BASELINE	615.21			
VPI	RI 43	873+55.60	47.84' LT	615.16	223+25.00	RI 103	BASELINE	615.02			
VPI	RI 44	873+30.52	47.84' LT	614.99	223+50.00	RI 104	BASELINE	614.83			
VPI	RI 45	873+05.43	47.85' LT	614.81	223+75.00	RI 105	BASELINE	614.64			
VPI	RI 46	872+80.39	47.85' LT	614.63	224+00.00	RI 106	BASELINE	614.45			
VPI	RI 47	872+55.39	47.86' LT	614.44	224+25.00	RI 107	BASELINE	614.26			
VPI	RI 48	872+30.38	47.86' LT	614.24	224+50.00	RI 108	BASELINE	614.07			
VPI	RI 49	872+05.38	47.87' LT	614.04	224+75.00	RI 109	BASELINE	613.88			
VPI	RI 50	871+80.37	47.87' LT	613.83	225+00.00	RI 110	BASELINE	613.69			
VPI	RI 51	871+55.37	47.88' LT	613.61	225+25.00	RI 111	BASELINE	613.50			
VPI	RI 52	871+30.36	47.88' LT	613.41	225+50.00	RI 112	BASELINE	613.31			
VPI	RI 53	871+05.36	47.89' LT	613.21	225+75.00	RI 113	BASELINE	613.12			
VPI	RI 54	870+80.35	47.89' LT	613.00	226+00.00	RI 114	BASELINE	612.93			
VPI	RI 55	870+55.35	47.90' LT	612.80	226+25.00	RI 115	BASELINE	612.74			
VPI	RI 56	870+46.05	47.90' LT	612.72	226+34.30	RI 116	BASELINE	612.67			
VPI	RI 57	870+30.34	47.90' LT	612.62	226+50.00	RI 117	BASELINE	612.58			
VPI	RI 58	870+05.34	47.91' LT	612.46	226+75.00	RI 118	BASELINE	612.43			
VPI	RI 59	869+80.33	47.91' LT		227+00.00	RI 119	BASELINE	612.28			
VPI	RI 60	869+66.83	47.91' LT		227+13.48	RI 120	BASELINE	612.20			

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP I GORE
ELEVATION DETAIL

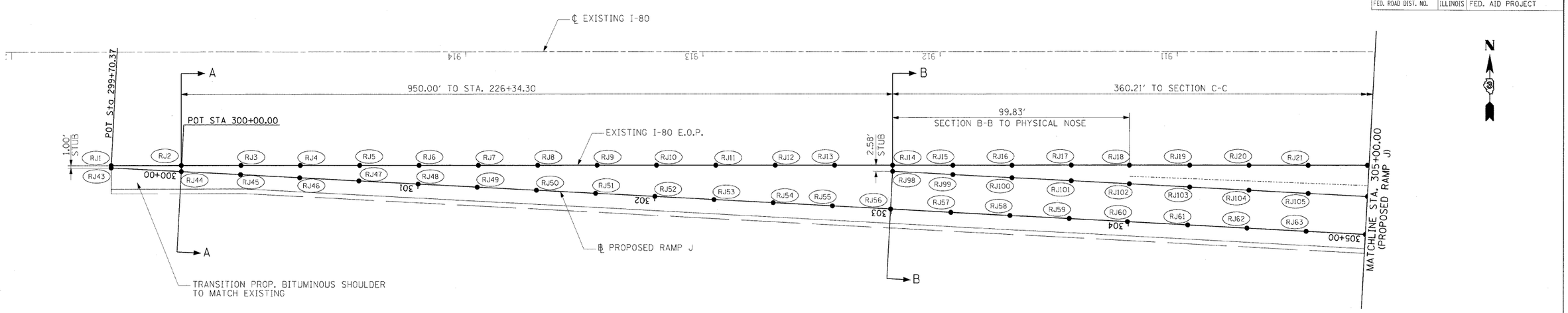
SCALE: VERT. HORIZ. 1"=20'
DATE
DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	MTM	10/7/07

MODEL NAME = Ramp I Sht 2
PLOT DATE = 12/20/2008
FILE NAME = E:\PW_Export\IC-53\GORE.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = Johns881944

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	293
STA. 299+70.37		TO STA. 305+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP J GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RJ 1	19+58.08	47.59' LT	629.22	299+70.37	RJ 43	BASELINE	629.20	RJ 85		
SECTION A-A	RJ 2	19+28.49	47.59' LT	629.17	300+00.00	RJ 44	BASELINE	629.12	RJ 86		
VPI	RJ 3	914+94.87	47.59' LT	629.13	300+25.00	RJ 45	BASELINE	629.05	RJ 87		
VPI	RJ 4	914+69.83	47.59' LT	629.07	300+50.00	RJ 46	BASELINE	628.97	RJ 88		
VPI	RJ 5	914+44.80	47.59' LT	629.01	300+75.00	RJ 47	BASELINE	628.90	RJ 89		
VPI	RJ 6	914+19.762	47.59' LT	628.97	301+00.00	RJ 48	BASELINE	628.82	RJ 90		
VPI	RJ 7	913+94.73	47.59' LT	628.92	301+25.00	RJ 49	BASELINE	628.75	RJ 91		
VPI	RJ 8	913+69.69	47.59' LT	628.86	301+50.00	RJ 50	BASELINE	628.67	RJ 92		
VPI	RJ 9	913+44.65	47.60' LT	628.81	301+75.00	RJ 51	BASELINE	628.60	RJ 93		
VPI	RJ 10	913+19.62	47.60' LT	628.77	302+00.00	RJ 52	BASELINE	628.53	RJ 94		
VPI	RJ 11	912+94.58	47.60' LT	628.72	302+25.00	RJ 53	BASELINE	628.45	RJ 95		
VPI	RJ 12	912+69.55	47.60' LT	628.67	302+50.00	RJ 54	BASELINE	628.38	RJ 96		
VPI	RJ 13	912+44.51	47.60' LT	628.61	302+75.00	RJ 55	BASELINE	628.30	RJ 97		
SECTION B-B	RJ 14	912+20.04	47.60' LT	628.58	302+99.57	RJ 56	BASELINE	628.23	RJ 98	16.00' LT	628.55
VPI	RJ 15	911+94.65	47.60' LT	628.53	303+25.00	RJ 57	BASELINE	628.18	RJ 99	16.00' LT	628.50
VPI	RJ 16	911+69.69	47.60' LT	628.47	303+50.00	RJ 58	BASELINE	628.13	RJ 100	16.00' LT	628.45
VPI	RJ 17	911+44.72	47.60' LT	628.42	303+75.00	RJ 59	BASELINE	628.07	RJ 101	16.00' LT	628.39
PHYS. NOSE	RJ 18	911+20.21	47.60' LT	628.38	303+99.54	RJ 60	BASELINE	628.02	RJ 102	16.00' LT	628.34
VPI	RJ 19	910+94.79	47.61' LT	628.34	304+25.00	RJ 61	BASELINE	627.97	RJ 103	16.00' LT	628.29
VPI	RJ 20	910+69.83	47.61' LT	628.30	304+50.00	RJ 62	BASELINE	627.92	RJ 104	16.00' LT	628.24
VPI	RJ 21	910+44.86	47.61' LT	628.25	304+75.00	RJ 63	BASELINE	627.87	RJ 105	16.00' LT	628.19

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP J GORE ELEVATION DETAIL

SCALE: VERT.
HORIZ. 1"=20'
DATE

DRAWN BY JAP
CHECKED BY

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	WTM	10/7/07

MODEL NAME = Ramp J Sht 1
PLOT DATE = 12/2/2009
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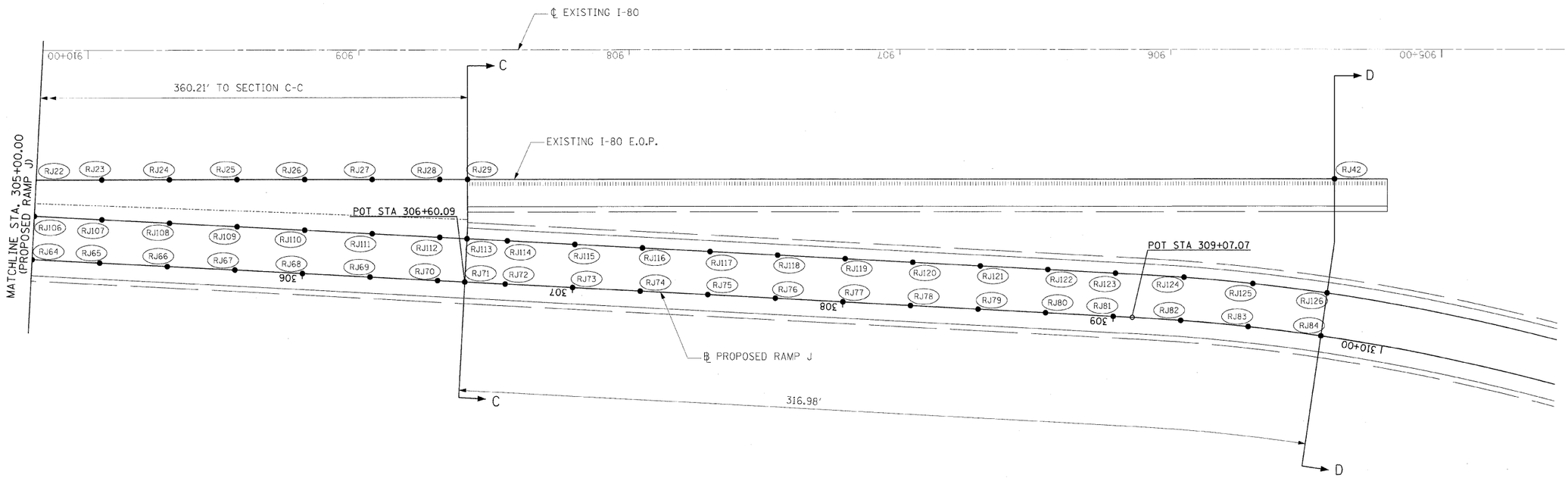
PLOT SCALE = 20.0000 '/ in.
USER NAME = Johnsa00944

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	294
STA. 305+00.00	TO STA. 309+77.07			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP J GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RJ 22	910+19.90	47.61' LT	628.16	305+00.00	RJ 64	BASELINE	627.81	RJ 106	16.00' LT	628.13
VPI	RJ 23	909+94.94	47.61' LT	628.07	305+25.00	RJ 65	BASELINE	627.76	RJ 107	16.00' LT	628.08
VPI	RJ 24	909+69.97	47.61' LT	628.02	305+50.00	RJ 66	BASELINE	627.71	RJ 108	16.00' LT	628.03
VPI	RJ 25	909+45.01	47.61' LT	627.98	305+75.00	RJ 67	BASELINE	627.66	RJ 109	16.00' LT	627.98
VPI	RJ 26	909+20.04	47.61' LT	627.94	306+00.00	RJ 68	BASELINE	627.61	RJ 110	16.00' LT	627.93
VPI	RJ 27	908+95.08	47.61' LT	627.89	306+25.00	RJ 69	BASELINE	627.55	RJ 111	16.00' LT	627.87
VPI	RJ 28	908+70.11	47.61' LT	627.85	306+50.00	RJ 70	BASELINE	627.50	RJ 112	16.00' LT	627.82
SECTION C-C	RJ 29	908+59.83	47.61' LT	627.83	306+60.09	RJ 71	BASELINE	627.48	RJ 113	16.00' LT	627.80
VPI	RJ 30				306+75.00	RJ 72	BASELINE	627.44	RJ 114	16.00' LT	627.76
VPI	RJ 31				307+00.00	RJ 73	BASELINE	627.38	RJ 115	16.00' LT	627.70
VPI	RJ 32				307+25.00	RJ 74	BASELINE	627.33	RJ 116	16.00' LT	627.65
VPI	RJ 33				307+50.00	RJ 75	BASELINE	627.28	RJ 117	16.00' LT	627.65
VPI	RJ 34				307+75.00	RJ 76	BASELINE	627.23	RJ 118	16.00' LT	627.69
VPI	RJ 35				308+00.00	RJ 77	BASELINE	627.19	RJ 119	16.00' LT	627.75
VPI	RJ 36				308+25.00	RJ 78	BASELINE	627.16	RJ 120	16.00' LT	627.81
VPI	RJ 37				308+50.00	RJ 79	BASELINE	627.12	RJ 121	16.00' LT	627.87
VPI	RJ 38				308+75.00	RJ 80	BASELINE	627.10	RJ 122	16.00' LT	627.94
VPI	RJ 39				309+00.00	RJ 81	BASELINE	627.07	RJ 123	16.00' LT	628.00
VPI	RJ 40				309+25.00	RJ 82	BASELINE	627.04	RJ 124	16.00' LT	628.07
VPI	RJ 41				309+50.00	RJ 83	BASELINE	627.02	RJ 125	16.00' LT	628.14
SECTION D-D	RJ 42	905+39.55	47.63' LT	627.00	309+77.07	RJ 84	BASELINE	626.99	RJ 126	16.00' LT	628.21

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP J GORE ELEVATION DETAIL

SCALE: VERT.
HORIZ. 1"=20'
DATE

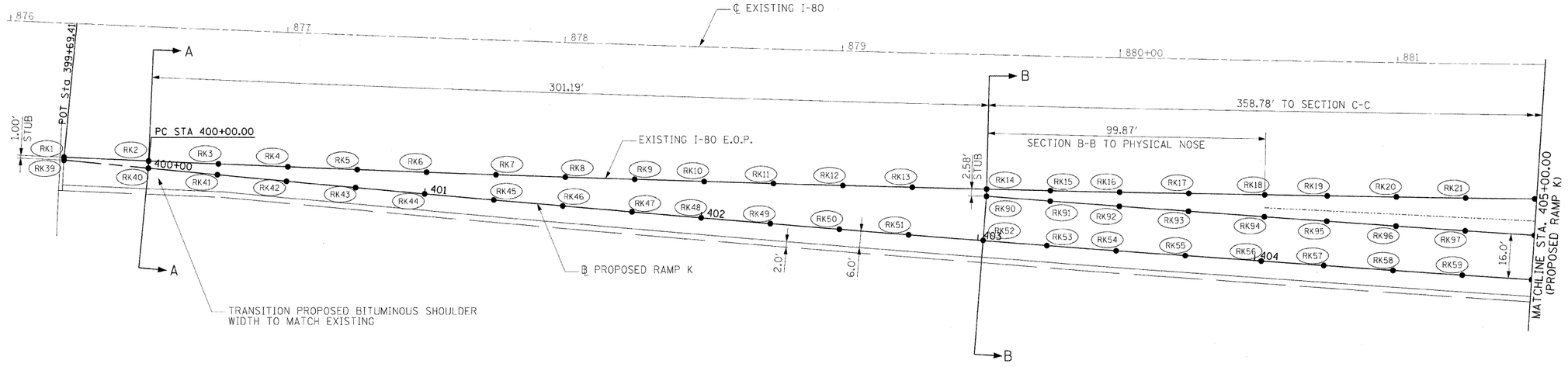
DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	MTW	10/17/07

MODEL NAME = Ramp J Sht 2
PLOT DATE = 12/3/2008
FILE NAME = C:\PW_Export\C-53100RE.dgn
PLOT SCALE = 20.0000 '/ in.
USER NAME = Johnsd8944

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	295
STA. 399+69.41		TO STA. 405+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP K GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	POINT	RAMP STATION	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RK 1	876+21.44	48.21' RT	617.26	RK 39	399+69.41	BASELINE	617.24	RK 77		
SECTION A-A	RK 2	876+51.89	48.21' RT	617.48	RK 40	400+00.00	BASELINE	617.44	RK 78		
VPI	RK 3	876+76.97	48.22' RT	617.67	RK 41	400+25.00	BASELINE	617.62	RK 79		
VPI	RK 4	877+01.92	48.22' RT	617.87	RK 42	400+50.00	BASELINE	617.79	RK 80		
VPI	RK 5	877+26.87	48.22' RT	618.06	RK 43	400+75.00	BASELINE	617.97	RK 81		
VPI	RK 6	877+51.81	48.23' RT	618.25	RK 44	401+00.00	BASELINE	618.15	RK 82		
VPI	RK 7	877+76.75	48.23' RT	618.44	RK 45	401+25.00	BASELINE	618.33	RK 83		
VPI	RK 8	878+01.69	48.23' RT	618.64	RK 46	401+50.00	BASELINE	618.50	RK 84		
VPI	RK 9	878+26.63	48.24' RT	618.84	RK 47	401+75.00	BASELINE	618.68	RK 85		
VPI	RK 10	878+51.56	48.24' RT	619.04	RK 48	402+00.00	BASELINE	618.86	RK 86		
VPI	RK 11	878+76.49	48.24' RT	619.26	RK 49	402+25.00	BASELINE	619.03	RK 87		
VPI	RK 12	879+01.42	48.25' RT	619.48	RK 50	402+50.00	BASELINE	619.21	RK 88		
VPI	RK 13	879+26.35	48.25' RT	619.70	RK 51	402+75.00	BASELINE	619.39	RK 89		
SECTION B-B	RK 14	879+53.08	48.25' RT	619.93	RK 52	403+01.95	BASELINE	619.58	RK 90	16.00' LT	619.90
VPI	RK 15	879+76.00	48.25' RT	620.09	RK 53	403+25.00	BASELINE	619.71	RK 91	16.00' LT	620.03
VPI	RK 16	880+00.85	48.26' RT	620.27	RK 54	403+50.00	BASELINE	619.84	RK 92	16.00' LT	620.16
VPI	RK 17	880+25.70	48.26' RT	620.44	RK 55	403+75.00	BASELINE	619.98	RK 93	16.00' LT	620.30
PHYS. NOSE	RK 18	880+52.95	48.26' RT	620.64	RK 56	404+02.42	BASELINE	620.13	RK 94	16.00' LT	620.45
VPI	RK 19	880+75.39	48.26' RT	620.76	RK 57	404+25.00	BASELINE	620.25	RK 95	16.00' LT	620.57
VPI	RK 20	881+00.23	48.27' RT	620.91	RK 58	404+50.00	BASELINE	620.39	RK 96	16.00' LT	620.71
VPI	RK 21	881+25.07	48.27' RT	621.09	RK 59	404+75.00	BASELINE	620.52	RK 97	16.00' LT	620.84

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP K GORE ELEVATION DETAILS

SCALE: VERT.
HORIZ. 1"=20'

DRAWN BY JAP

DATE

CHECKED BY

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	MTM	10/17/07

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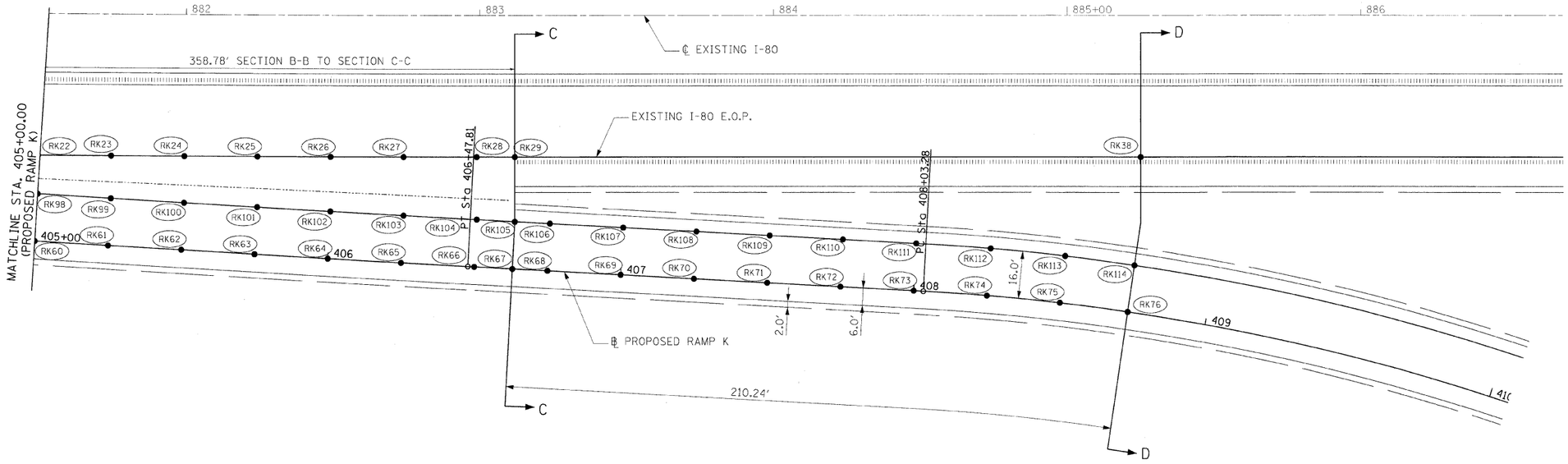
PLOT DATE = 12/3/2009
FILE NAME = C:\Dgn Files\Export\NC-53100RE.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = Johnsa@9344

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	296
STA. 405+00.00		TO STA. 408+73.28		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP K GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	POINT	RAMP STATION	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RK 22	881+49.91	48.27' RT	621.27	RK 60	405+00.00	BASELINE	620.66	RK 98	16.00' LT	620.98
VPI	RK 23	881+74.75	48.27' RT	621.39	RK 61	405+25.00	BASELINE	620.80	RK 99	16.00' LT	621.12
VPI	RK 24	881+99.58	48.27' RT	621.49	RK 62	405+50.00	BASELINE	620.93	RK 100	16.00' LT	621.25
VPI	RK 25	882+24.41	48.27' RT	621.59	RK 63	405+75.00	BASELINE	621.07	RK 101	16.00' LT	621.39
VPI	RK 26	882+49.24	48.28' RT	621.70	RK 64	406+00.00	BASELINE	621.21	RK 102	16.00' LT	621.53
VPI	RK 27	882+74.07	48.28' RT	621.78	RK 65	406+25.00	BASELINE	621.34	RK 103	16.00' LT	621.66
VPI	RK 28	882+98.89	48.28' RT	621.86	RK 66	406+50.00	BASELINE	621.48	RK 104	16.00' LT	621.86
SECTION C-C	RK 29	883+11.86	48.28' RT	621.90	RK 67	406+63.04	BASELINE	621.55	RK 105	16.00' LT	621.98
VPI	RK 30				RK 68	406+75.00	BASELINE	621.58	RK 106	16.00' LT	622.06
VPI	RK 31				RK 69	407+00.00	BASELINE	621.63	RK 107	16.00' LT	622.20
VPI	RK 32				RK 70	407+25.00	BASELINE	621.65	RK 108	16.00' LT	622.32
VPI	RK 33				RK 71	407+50.00	BASELINE	621.65	RK 109	16.00' LT	622.41
VPI	RK 34				RK 72	407+75.00	BASELINE	621.62	RK 110	16.00' LT	622.47
VPI	RK 35				RK 73	408+00.00	BASELINE	621.57	RK 111	16.00' LT	622.52
VPI	RK 36				RK 74	408+25.00	BASELINE	621.49	RK 112	16.00' LT	622.53
VPI	RK 37				RK 75	408+50.00	BASELINE	621.39	RK 113	16.00' LT	622.53
SECTION D-D	RK 38	885+25.07	48.29' RT	622.56	RK 76	408+73.28	BASELINE	621.27	RK 114	16.00' LT	622.49

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP K GORE ELEVATION DETAIL

SCALE: VERT.
HORIZ. 1"=20'
DATE

DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	09/22/05
DRAWN	JAP	09/22/05
REVIEWED	MTW	10/7/07

MODEL NAME = Ramp K Sht 2
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PLOT SCALE = 20.0000 '/ in.
USER NAME = Johnsa08944

HANSON
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Springfield, Illinois 62703-2886
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LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	MTW	10/1/07

MODEL NAME = Ramp L Sht 1
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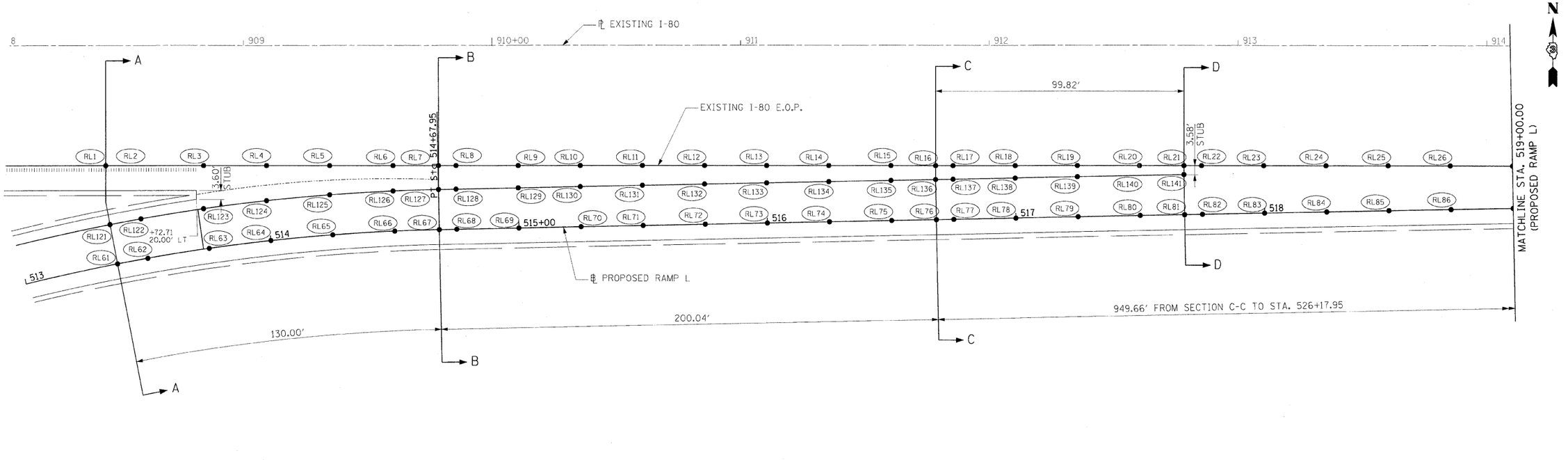
USER NAME = Johnsd09944

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	297
STA. 513+37.95		TO STA. 519+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP L GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
SECTION A-A	RL 1	908+44.61	48.38' RT	627.28	513+37.95	RL 61	BASELINE	625.83	RL 121	16.00' LT	627.11
VPI	RL 2		48.39' RT		513+50.00	RL 62	BASELINE	625.88	RL 122	16.00' LT	627.16
VPI	RL 3	908+83.96	48.39' RT	627.35	513+75.00	RL 63	BASELINE	625.98	RL 123	16.00' LT	627.26
VPI	RL 4	909+09.28	48.39' RT	627.39	514+00.00	RL 64	BASELINE	626.08	RL 124	16.00' LT	627.30
VPI	RL 5	909+34.69	48.39' RT	627.41	514+25.00	RL 65	BASELINE	626.18	RL 125	16.00' LT	627.31
VPI	RL 6	909+60.17	48.39' RT	627.45	514+50.00	RL 66	BASELINE	626.29	RL 126	16.00' LT	627.31
SECTION B-B	RL 7	909+78.48	48.39' RT	627.49	514+67.95	RL 67	BASELINE	626.36	RL 127	16.00' LT	627.32
VPI	RL 8	909+85.53	48.39' RT	627.50	514+75.00	RL 68	BASELINE	626.39	RL 128	16.00' LT	627.32
VPI	RL 9	910+10.53	48.39' RT	627.57	515+00.00	RL 69	BASELINE	626.49	RL 129	16.00' LT	627.33
VPI	RL 10	910+35.52	48.39' RT	627.61	515+25.00	RL 70	BASELINE	626.60	RL 130	16.00' LT	627.34
VPI	RL 11	910+60.52	48.39' RT	627.64	515+50.00	RL 71	BASELINE	626.70	RL 131	16.00' LT	627.35
VPI	RL 12	910+85.51	48.39' RT	627.66	515+75.00	RL 72	BASELINE	626.80	RL 132	16.00' LT	627.36
VPI	RL 13	911+10.51	48.40' RT	627.70	516+00.00	RL 73	BASELINE	626.91	RL 133	16.00' LT	627.37
VPI	RL 14	911+35.50	48.40' RT	627.75	516+25.00	RL 74	BASELINE	627.01	RL 134	16.00' LT	627.38
VPI	RL 15	911+60.50	48.40' RT	627.80	516+50.00	RL 75	BASELINE	627.12	RL 135	16.00' LT	627.44
SECTION C-C PHYS. NOSE	RL 16	911+78.48	48.40' RT	627.83	516+67.99	RL 76	BASELINE	627.19	RL 136	16.00' LT	627.51
VPI	RL 17	911+85.49	48.40' RT	627.85	516+75.00	RL 77	BASELINE	627.22	RL 137	16.00' LT	627.54
VPI	RL 18	912+10.49	48.40' RT	627.90	517+00.00	RL 78	BASELINE	627.32	RL 138	16.00' LT	627.64
VPI	RL 19	912+35.48	48.40' RT	627.95	517+25.00	RL 79	BASELINE	627.42	RL 139	16.00' LT	627.74
VPI	RL 20	912+60.48	48.40' RT	628.00	517+50.00	RL 80	BASELINE	627.53	RL 140	16.00' LT	627.85
SECTION D-D	RL 21	912+78.30	48.40' RT	628.04	517+67.83	RL 81	BASELINE	627.60	RL 141	16.00' LT	627.92
VPI	RL 22	912+85.40	48.40' RT	628.05	517+75.00	RL 82	BASELINE	627.61			
VPI	RL 23	913+10.41	48.40' RT	628.10	518+00.00	RL 83	BASELINE	627.63			
VPI	RL 24	913+35.41	48.40' RT	628.16	518+25.00	RL 84	BASELINE	627.66			
VPI	RL 25	913+60.42	48.40' RT	628.21	518+50.00	RL 85	BASELINE	627.68			
VPI	RL 26	913+85.42	48.41' RT	628.25	518+75.00	RL 86	BASELINE	627.71			

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

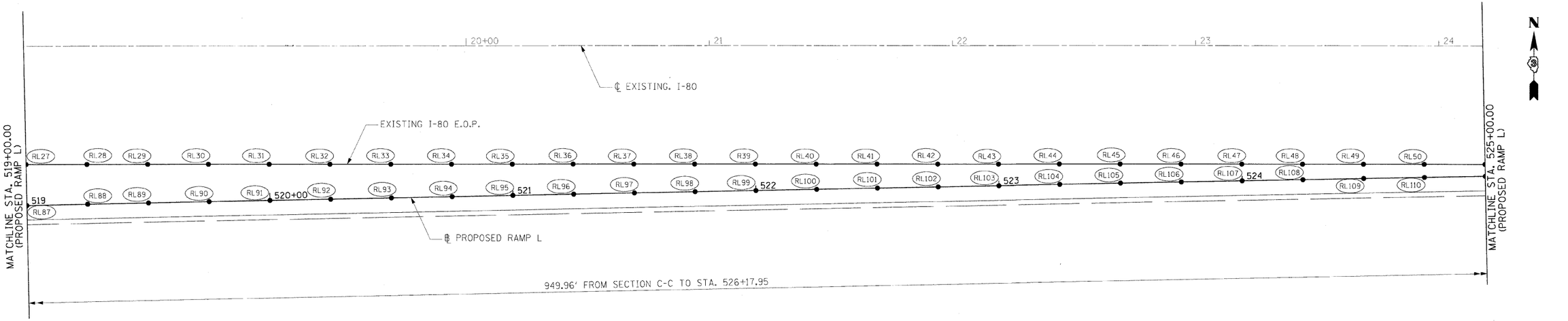
RAMP L GORE ELEVATION DETAIL

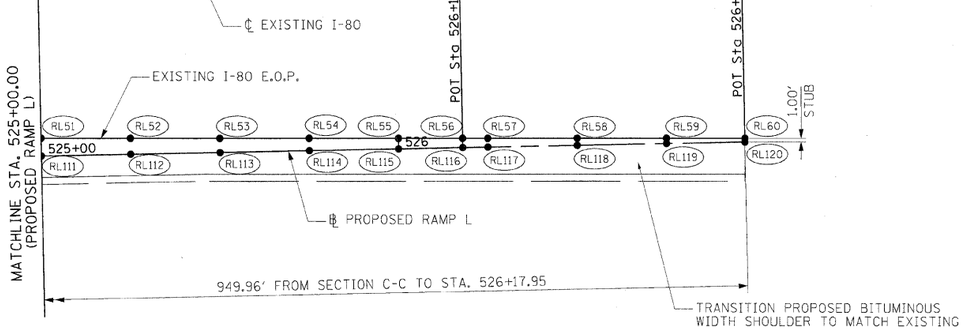
SCALE: VERT.
HORIZ. 1"=20'
DATE

DRAWN BY JAP
CHECKED BY

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	298
STA. 519+00.00		TO STA. 526+96.96		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





RAMP L GORE ELEVATIONS

DESC	POINT	I-80 STATION	OFFSET	EXIST I-80 EOP ELEV	RAMP STATION	POINT	OFFSET	RAMP RT EOP ELEV	POINT	OFFSET	RAMP LT EOP ELEV
VPI	RL 27	914+10.43	48.41' RT	628.30	519+00.00	RL 87	BASELINE	627.74			
VPI	RL 28	914+35.43	48.41' RT	628.36	519+25.00	RL 88	BASELINE	627.76			
VPI	RL 29	914+60.44	48.41' RT	628.41	519+50.00	RL 89	BASELINE	627.79			
VPI	RL 30	914+85.44	48.41' RT	628.43	519+75.00	RL 90	BASELINE	627.81			
VPI	RL 31	19+18.90	48.41' RT	628.46	520+00.00	RL 91	BASELINE	627.84			
VPI	RL 32	19+43.90	48.41' RT	628.52	520+25.00	RL 92	BASELINE	627.86			
VPI	RL 33	19+68.91	48.41' RT	628.57	520+50.00	RL 93	BASELINE	627.89			
VPI	RL 34	19+93.91	48.41' RT	628.63	520+75.00	RL 94	BASELINE	627.91			
VPI	RL 35	20+18.92	48.41' RT	628.67	521+00.00	RL 95	BASELINE	627.94			
VPI	RL 36	20+43.92	48.42' RT	628.70	521+25.00	RL 96	BASELINE	627.97			
VPI	RL 37	20+68.93	48.42' RT	628.76	521+50.00	RL 97	BASELINE	627.99			
VPI	RL 38	20+93.93	48.42' RT	628.84	521+75.00	RL 98	BASELINE	628.02			
VPI	RL 39	21+18.94	48.42' RT	628.88	522+00.00	RL 99	BASELINE	628.04			
VPI	RL 40	21+43.94	48.42' RT	628.91	522+25.00	RL 100	BASELINE	628.07			
VPI	RL 41	21+68.95	48.42' RT	628.95	522+50.00	RL 101	BASELINE	628.09			
VPI	RL 42	21+93.95	48.42' RT	629.00	522+75.00	RL 102	BASELINE	628.12			
VPI	RL 43	22+18.96	48.42' RT	629.02	523+00.00	RL 103	BASELINE	628.14			
VPI	RL 44	22+43.96	48.42' RT	629.04	523+25.00	RL 104	BASELINE	628.17			
VPI	RL 45	22+68.97	48.43' RT	629.06	523+50.00	RL 105	BASELINE	628.20			
VPI	RL 46	22+93.97	48.43' RT	629.08	523+75.00	RL 106	BASELINE	628.22			
VPI	RL 47	23+18.98	48.43' RT	629.07	524+00.00	RL 107	BASELINE	628.25			
VPI	RL 48	23+43.98	48.43' RT	629.05	524+25.00	RL 108	BASELINE	628.27			
VPI	RL 49	23+68.99	48.43' RT	629.01	524+50.00	RL 109	BASELINE	628.30			
VPI	RL 50	23+93.99	48.43' RT	628.97	524+75.00	RL 110	BASELINE	628.32			
VPI	RL 51	24+19.00	48.43' RT	628.89	525+00.00	RL 111	BASELINE	628.35			
VPI	RL 52	24+44.00	48.43' RT	628.81	525+25.00	RL 112	BASELINE	628.37			
VPI	RL 53	24+69.01	48.43' RT	628.73	525+50.00	RL 113	BASELINE	628.40			
VPI	RL 54	24+94.01	48.43' RT	628.67	525+75.00	RL 114	BASELINE	628.43			
VPI	RL 55	25+19.02	48.44' RT	628.58	526+00.00	RL 115	BASELINE	628.45			
VPI	RL 56	25+36.97	48.44' RT	628.52	526+17.95	RL 116	BASELINE	628.47			
VPI	RL 57	25+44.02	48.44' RT	628.49	526+25.00	RL 117	BASELINE	628.43			
VPI	RL 58	25+69.03	48.44' RT	628.42	526+50.00	RL 118	BASELINE	628.28			
VPI	RL 59	25+94.03	48.44' RT	628.36	526+75.00	RL 119	BASELINE	628.12			
VPI	RL 60	26+16.02	48.44' RT	628.01	526+96.96	RL 120	BASELINE	627.99			

NOTE: CONTRACTOR TO VERIFY EXISTING EDGE OF PAVEMENT ELEVATION PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT

20 0 20 40
SCALE IN FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RAMP L GORE ELEVATION DETAIL

SCALE: VERT.
HORIZ. 1"=20'
DATE

DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	09/12/05
DRAWN	JAP	09/12/05
REVIEWED	WTM	10/1/07

MODEL NAME = Ramp L Sht 2
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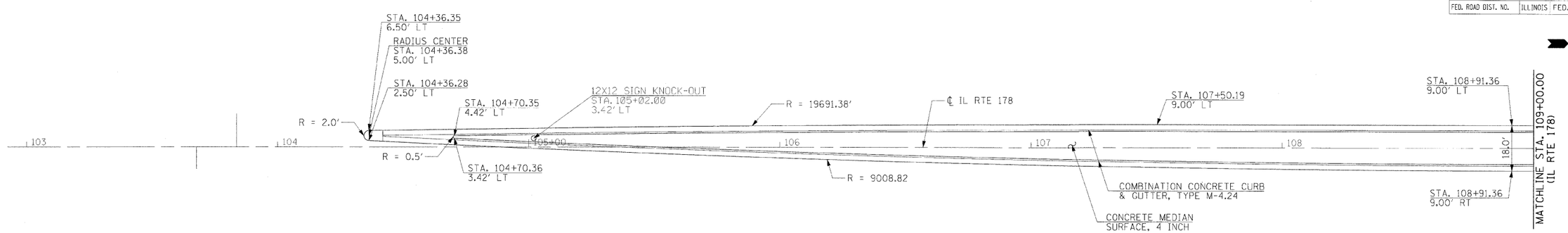
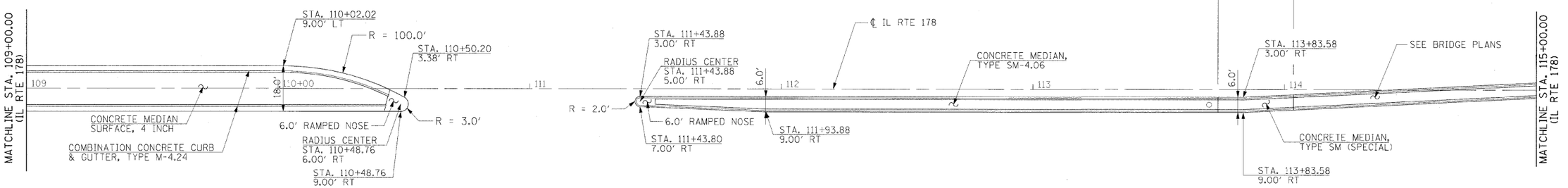
PLOT SCALE = 20.0000 ' / in.
USER NAME = John\d09144

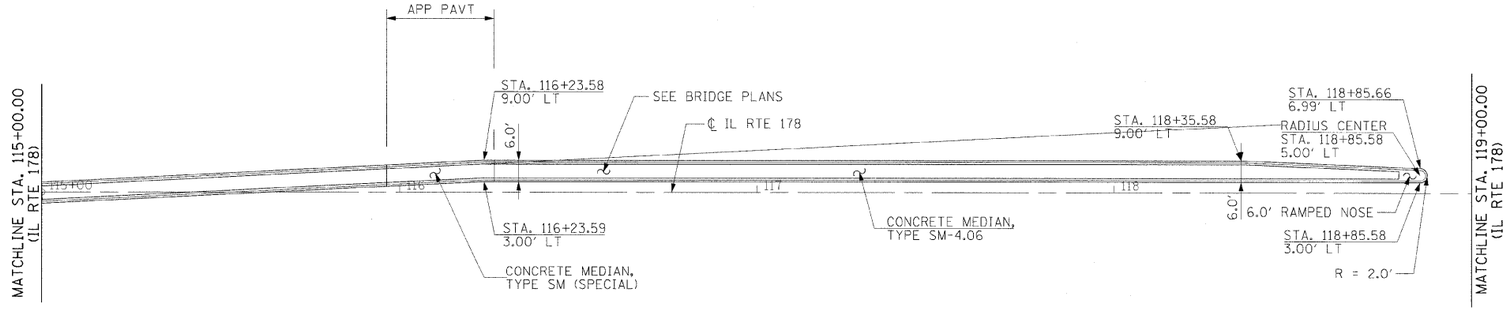
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	299
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		







20 0 20 40
SCALE: 1" = 20'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 178 PROPOSED MEDIAN DETAIL

SCALE: VERT. N/A
HORIZ. 1" = 20'
DATE

DRAWN BY MEW
CHECKED BY

LAYOUT	MEW	01/05/06
DRAWN	MEW	01/05/06
REVIEWED	MTM	10/17/07

MODEL NAME = MDanal-Sht 1
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USER NAME = Jon-s20944

HANSON
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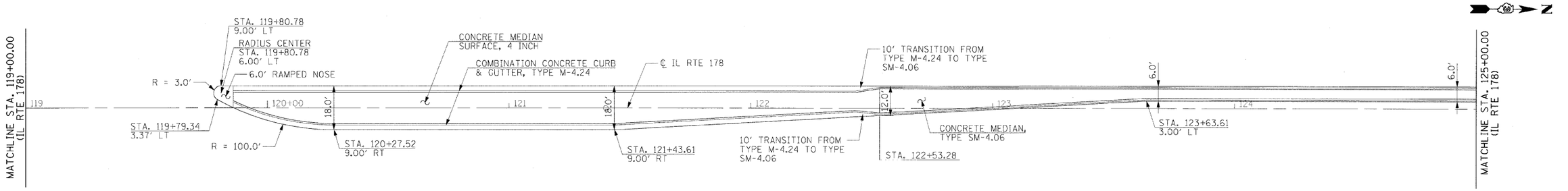
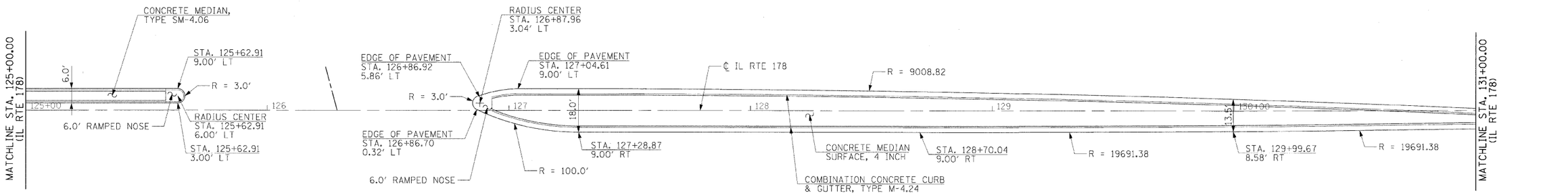
Springfield, Illinois 62703-2886
Offices Nationwide

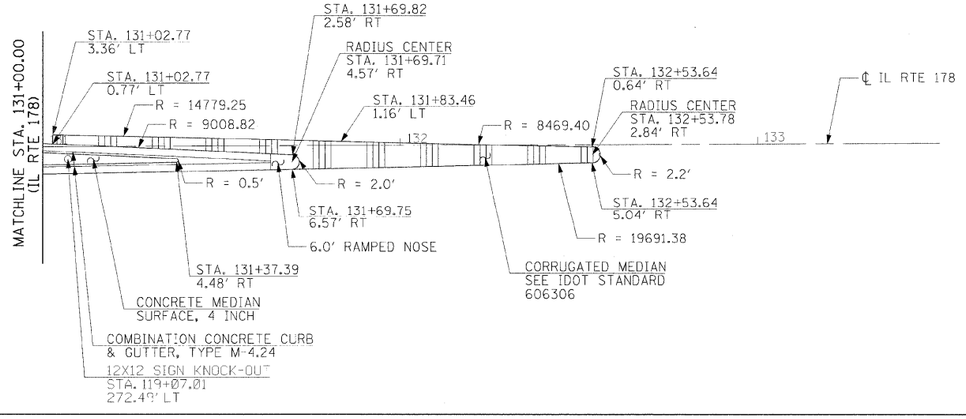
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	300
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		







20 0 20 40
SCALE: 1" = 20'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 178 PROPOSED MEDIAN DETAIL

SCALE: VERT. N/A
HORIZ. 1" = 20'
DATE

DRAWN BY MEW
CHECKED BY

LAYOUT	MEW	01/05/06
DRAWN	MEW	01/05/06
REVIEWED	MTM	10/31/07

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