

GENERAL NOTES

- ① SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- ② EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ③ ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
• CITY OF ALTON		X
• AMERENCIPS	X	X
• AMERENIP	X	X
• AT&T ILLINOIS	X	X
• VILLAGE OF BETHALTO		X
• CHARTER COMMUNICATIONS, INC.	X	X
• ILLINOIS AMERICAN WATER COMPANY		X
• LEVEL 3 COMMUNICATIONS, LLC		X
• VERIZON BUSINESS		X
• 360 NETWORKS (USA) INC.		X
• SOUTHERN ILLINOIS UNIVERSITY-EDWARDSVILLE	X	X
• SPRINT/NEXTEL		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ④ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 785 (IL 140/111)
SECTION	(132-2,3,4, 133-1)RS
COUNTY	MADISON
CONTRACT	76B80

DESCRIPTION	3P-IL 140/111 FROM ANNEX ST. IN ALTON TO WILLIAMS ST. IN BETHALTO.
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ADT (Construction Yr):	23,000
MU%:	1.6
SU%:	2.8
20YR. ESAL'S:	2.92

MIXTURE USE	POLY-SURFACE	POLY-LEVEL BINDER	BASE CRS/PATCHING	INCIDENTAL
AC/PG	SBS 76-22	SBS 76-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=50	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 12.5/9.5	IL 4.75	IL 19.0	IL 12.5/9.5
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "D"

MIXTURE USE	SHOULDERS>2.25"	SHOULDERS<2.25"	PARTIAL DEPTH PATCH
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	***	***	SEE SPEC.
DESIGN AIR VOIDS			4.0% @ Ndes=90
MIX COMPOSITION	2.0% @ Ndes=30	2.0% @ Ndes=30	
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"	
FRICTION AGG			MIXTURE "C"

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (53.8 kg/sq m/25 mm thickness).

*** See contract RAP special provision.

- ⑤ THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ⑥ "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48"X48")
- ⑦ FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ⑧ EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS.
- ⑨ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑩ ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- ⑪ SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL HMA SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKINGS HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL FROM FINAL SURFACE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
- ⑫ THIS PROJECT INCLUDES A STATION EQUATION.
- ⑬ SUMMARY OF QUANTITIES COLUMNS:
 COLUMN 1 = (STA. 41+97 TO STA. 202+50) 3P POLICY
 COLUMN 2 = (STA. 202+50 TO STA. 468+75) 3P POLICY
 COLUMN 3 = (STA. 468+75 TO STA. 499+80) 3R POLICY
- ⑭ REMOVAL OF MATERIAL UNDER MEDIAN FOR MEDIAN REPLACEMENT OR NEW PAVEMENT SHALL BE INCLUDED IN THE MEDIAN REMOVAL PAY ITEM.
- ⑮ ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- ⑯ PLEASE NOTE SPECIAL PROVISION FOR "PORTLAND CEMENT CONCRETE PAYMENT 10" (JOINTED).

COMMITMENTS

NONE

△ REVISIED SHEET 1-5-2012

FILE NAME =	USER NAME = karlesal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pripdot\karlesal\1d0200664\d08	6680_2-shr-plan.dgn	DRAWN -	REVISED -			785	(132-2,3,4 133-1)RS	MADISON	122	3	
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76B80					
	PLOT DATE = 1/5/2012	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ALTON 3P	0005 MADISON COUNTY 3P	0004 MADISON COUNTY 3R	0021 SIGNALS				
				1746							
20800150	TRENCH BACKFILL	CU YD	184			184					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	10799	3710	845	6244					
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	8.7			8.7					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	46.9	34.5	4.8	7.6					
40600300	AGGREGATE (PRIME COAT)	TON	224.8	165.5	23.1	36.2					
40600821	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	8742.4	6179.7	862.7	1700					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	16363.6	12543.5	2750.9	1069.2					
40600990	TEMPORARY RAMP	SQ YD	1334.6	890.8	207.3	236.5					
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	12592.1	9269.5	1294	2028.6					
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	63.85	56.67	7.18						
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1966.5	1415.9	273	277.6					
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	1355	510	845						
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	9444	3200		6244					
42001200	PAVEMENT FABRIC	SQ YD	1488.4	510	845	133.4					
42001300	PROTECTIVE COAT	SQ YD	7950	7395.6	554.4						
44000100	PAVEMENT REMOVAL	SQ YD	7580	4555		3025					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	4431	4431							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9981	4120	550	5311					
44003100	MEDIAN REMOVAL	SQ FT	51950	16850	3800	31300					
44022025	PARTIAL DEPTH REMOVAL 2"	SQ YD	7446.1	5385.6	673.3	1387.2					
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	13.3	13.3							
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	72	72							
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	653.3	653.3							
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	522.7	32	240	250.7					
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	80		48	32					
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	53.4			53.4					
44201299	DOWEL BARS 1 1/2"	EACH	1360	80	660	620					
44213000	PATCHING REINFORCEMENT	SQ YD	738.6	738.6							
44213200	SAW CUTS	FOOT	5416	2164	1632	1620					
44213202	TIE BARS 1"	EACH	3393	178		3215					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1033	906	127						

REVISD 1-5-2012

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PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 9/12/2011		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(132-2,3,4 133-1)RS	MADISON	122	4
CONTRACT NO. 76B80				
ILLINOIS FED. AID PROJECT				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ALTON 3P	0005 MADISON COUNTY 3P	0004 MADISON COUNTY 3R	0021 SIGNALS				
72000100	SIGN PANEL - TYPE 1	SQ FT	36			36					
73000100	WOOD SIGN SUPPORT	FOOT	60			60					
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1360.2	923.4	62.4	374.4					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	112989	88012	11257	13720					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1756	1756							
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	817	693		124					
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1740	1580	80	80					
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	62.4	62.4							
78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	2160	2160							
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	96	96							
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	967	663	70	234					
78200300	PRISMATIC CURB REFLECTOR	EACH	480	418	62						
78200410	GUARDRAIL MARKERS, TYPE A	EACH	48	8	40						
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	2	6						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	778	622	70	86					
80300100	LOCATING UNDERGROUND CABLE	FOOT	345	295	50						
88600600	DETECTOR LOOP REPLACEMENT	FOOT	6263	5493	770						
X4421000	PARTIAL DEPTH PATCHING	TON	833.9	603.2	75.4	155.3					
X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	62.4	62.4							
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2160	2160							
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 2.5"	FOOT	72	72							
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2		2						
Z0041700	PLUG EXISTING STORM SEWERS	EACH	5			5					
Z0076600	TRAINEES	HOUR	2000	2000							

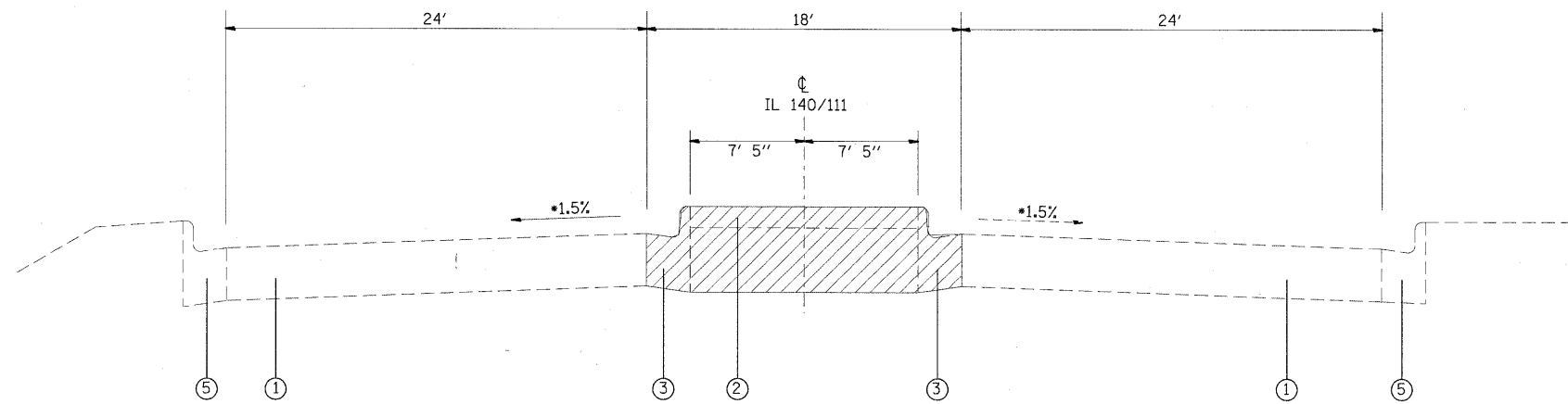
▲ REVISED 1-5-2012

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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/12/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

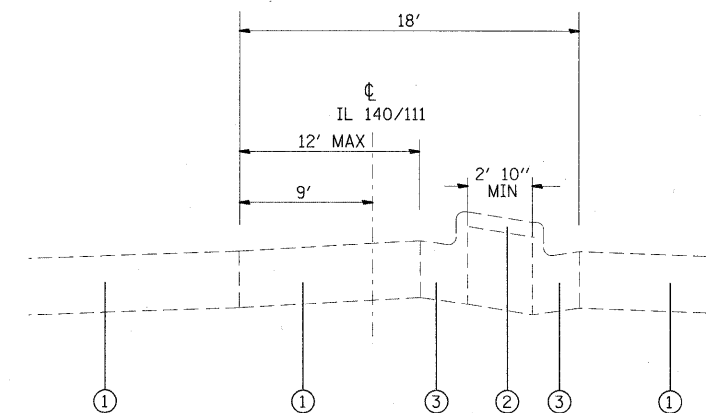
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(132-2,3,4 133-1)RS	MADISON	122	6
CONTRACT NO. 76B80				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION IL 140/111
 STA. 468+60 TO STA. 499+80
 WOODRIVER AVE. TO WILLIAMS STREET

*1.5% CROSS-SLOPE IN TANGENT SECTION, VARIES IN SUPERELEVATED SECTIONS.

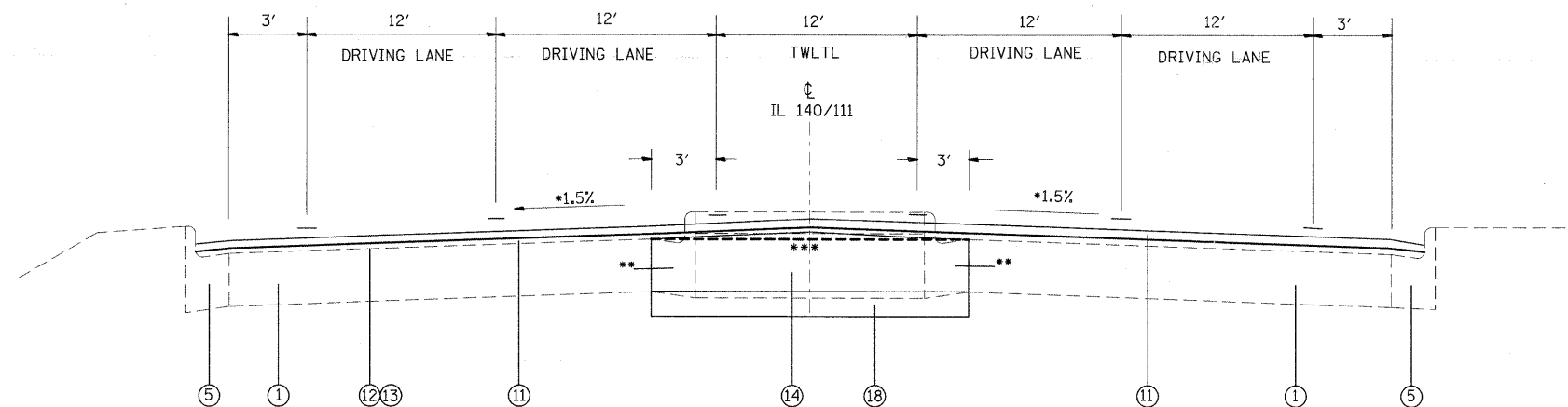


TYPICAL SECTION IL 140/111
 FULL LEFT TURN LANE

12' LEFT TURN LANE WIDTH VARIES IN TRANSITION AREAS.
 MEDIAN WIDTH TO INCREASE PROPORTIONALLY TO DECREASE IN WIDTH OF LEFT TURN LANE WIDTH.
 CURB AND GUTTER FLAG SLOPE EQUALS PAVEMENT CROSS-SLOPE IN SUPERELEVATED SECTIONS.

LEGEND

- ① EXISTING 10" PCC PAVEMENT
- ② EXISTING PCC MEDIAN 4"
- ③ EXISTING CC & G M6.12
- ④ EXISTING HMA MEDIAN (VARIABLE DEPTH)
- ⑤ EXISTING CC & G B6.24
- ⑥ EXISTING CC & G B9.24
- ⑦ EXISTING HMA OVERLAY (2 1/2")
- ⑧ EXISTING HMA SHOULDER (10")
- ⑨ EXISTING CON. REINFORCED CONC. PAVEMENT (8")
- ⑩ PROPOSED HMA SURFACE COURSE, MIX D, N90 (1 1/2")
- ⑪ PROPOSED LEVELING BINDER (MM), N90 (1")
- ⑫ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑬ PROPOSED AGGREGATE (PRIME COAT)
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) 10"
- ⑮ PROPOSED HMA SHOULDERS (TON)
- ⑯ PROPOSED AGG. WEDGE SHOULDER, TYPE B (TON)
- ⑰ PROPOSED HMA SURFACE REMOVAL (1 1/2")
- ⑱ PROPOSED AGG BASE COURSE, TYPE B (4")

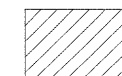


TYPICAL SECTION IL 140/111
 STA. 468+60 TO STA. 499+80
 WOODRIVER AVE. TO WILLIAMS STREET

* 1.5% CROSS-SLOPE IN TANGENT SECTION, VARIES IN SUPERELEVATED SECTIONS.

** TIE BARS ON 24" CTS

*** THE CONTRACTOR SHALL HAVE THE OPTION TO CONSTRUCT THE PROPOSED PCCP (JOINTED) 10" AT A CONSTANT SLOPE. THE CONTRACTOR WILL THEN UTILIZE ADDITIONAL LEVELING BINDER TO ACHIEVE PROPOSED CROSS-SLOPES SHOWN ON THE PROPOSED CROSS-SECTIONS.



CURB & GUTTER, PAVEMENT, AND MEDIAN TO BE REMOVED

ADDITIONAL LEVELING BINDER HAS BEEN INCLUDED IN THE SOQ ESTIMATE TO ACHIEVE CROSS-SECTION SLOPES OVER A CONSTANT SLOPE PCC PAVEMENT.

REVISI^oN SHEET 1-5-2012

FILE NAME =	USER NAME = karlosal	DESIGNED -	REVISI ^o N -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pwork\pwork\karlosal\ad028266\ad028266\2-sht-plan\dgn	6b80_2-sht-plan\dgn	DRAWN -	REVISI ^o N -			785	(132-2,3,4, 133-1RS)	MADISON	122	24	
PLOT SCALE = 50.0000' / 1" =		CHECKED -	REVISI ^o N -			CONTRACT NO. 76B80					
PLOT DATE = 12/19/2011		DATE -	REVISI ^o N -			ILLINOIS FED. AID PROJECT					