

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

DIVISION OF HIGHWAYS  
Dept. of Transportation

**PROPOSED  
HIGHWAY PLANS**

FAS ROUTE 417 (CH 10)  
SECTION 10-00073-00-RS  
PROJECT RS-0417(108)  
ROADWAY MILLING & RESURFACING  
HENDERSON COUNTY

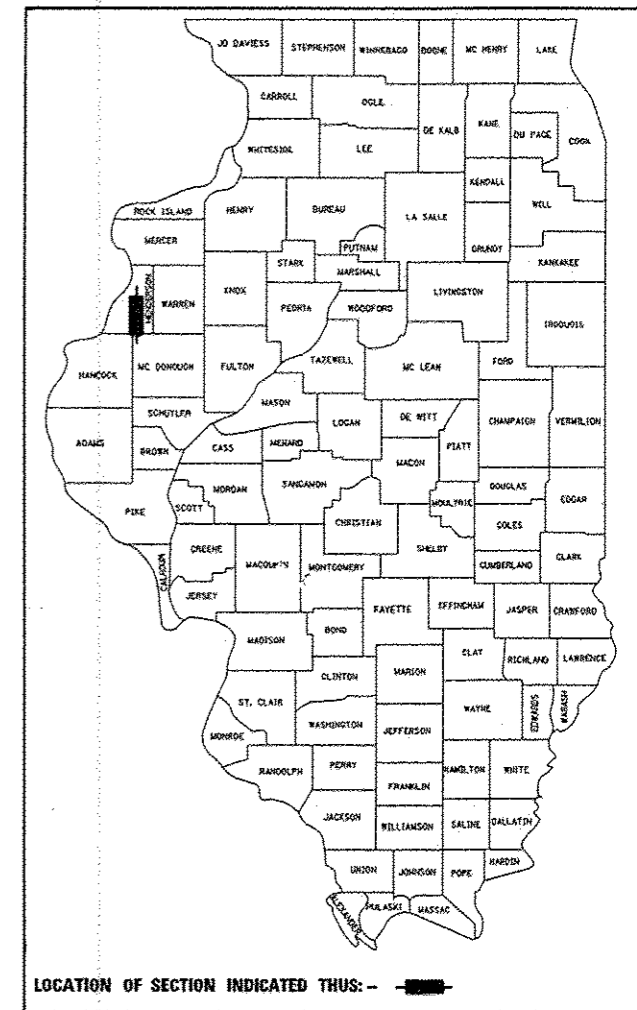
C-94-085-11

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	10-00073-00-RS	HENDERSON	28	1
		ILLINOIS	CONTRACT NO. 89609	

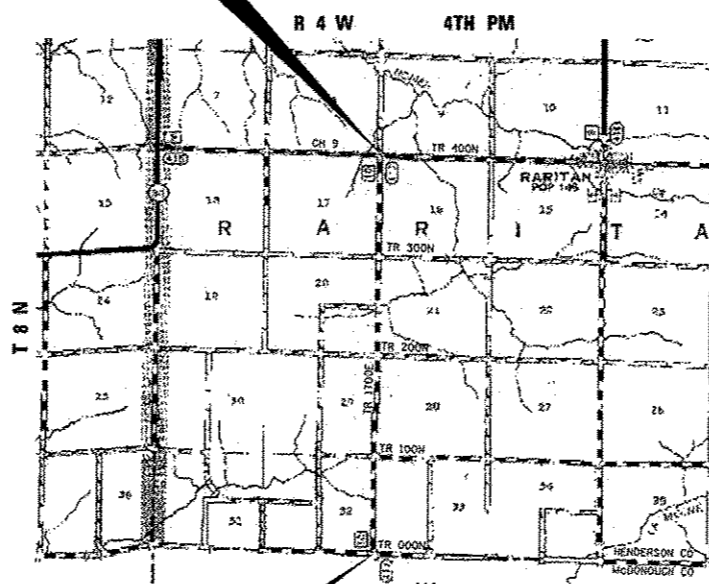
**INDEX OF SHEETS**

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- 26-28 DISTRICT 4 STANDARDS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2.

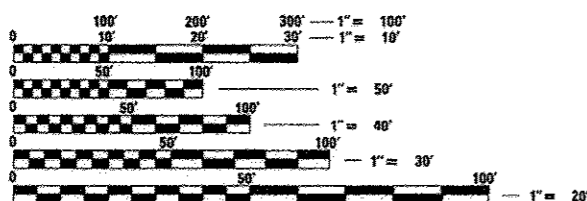


**BEGIN IMPROVEMENT  
STA 0+00**



N  
LOCATION MAP  
NOT TO SCALE

**PROPOSED IMPROVEMENT:**  
THIS PROJECT CONSISTS OF 4.099 MILES OF COLD MILLING,  
5" PCC OVERLAY, AGGREGATE SHOULDERS (MILLINGS),  
INCIDENTAL HMA SURFACING AT SIDEROADS,  
PAINT PAVEMENT MARKINGS AND RELATED WORK.



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

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

**END IMPROVEMENT  
STA 216+45**

GROSS LENGTH = 21,645.00 FT. = 4.099 MILE  
NET LENGTH = 21,645.00 FT. = 4.099 MILE

PROJECT MANAGER: SHANE LARSON, P.E.  
PROJECT ENGINEER: RYAN BRADLE, P.E.

CONTRACT NO. 89609

**FUNCTIONAL CLASSIFICATION  
RURAL COLLECTOR  
2012 ADT = 375  
DESIGN SPEED = 55 MPH**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 3 MAY 2013  
John P. [Signature] COUNTY ENGINEER

PASSED 05-13-2013  
[Signature] DISTRICT FOUR ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR  
BID BASED ON  
LIMITED REVIEW  
[Signature] DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

SHANE LARSON  
062-051722  
REGISTERED  
PROFESSIONAL  
ENGINEER OF  
STATE OF ILLINOIS  
EXPIRES: 11/30/13  
SIGNATURE  
ENGINEER'S SEAL

Hutchinson Engineering, Inc.  
Jacksonville - Peoria - Sherwood  
Since 1945  
2013 JOB #3250

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OF THE STATE OF ILLINOIS**

## GENERAL NOTES

THE HOT-MIX ASPHALT SURFACE OF ALL PRIVATE ENTRANCES AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HOT-MIX ASPHALT SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROVED BY THE ENGINEER.

ALL SCHOOL DISTRICTS, LOCAL POLICE DEPARTMENTS AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST TEN (10) DAYS PRIOR TO THE START OF CONSTRUCTION.

SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER. THE COST OF SAW CUTTING WILL BE INCLUDED IN CONTRACT UNIT BID PRICES FOR THE ITEMS BEING REMOVED.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY DAMAGE FOUND TO SURVEY MONUMENTS THAT WAS A RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR WILL BE RESPONSIBLE FOR SAW CUTTING THE NEW PORTLAND CEMENT CONCRETE OVERLAY, 5" AT A DEPTH OF 1/2" DEEP ON A 6 SQUARE FOOT GRID PATTERN OVER THE ENTIRE SURFACE AREA WITH A COLD JOINT AT THE ROADWAY CENTERLINE, AS DIRECTED BY THE ENGINEER. THIS WORK IS TO BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE OVERLAY, 5".

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT. SPECIFICALLY AS THEY RELATE TO LUMP SUM PAY ITEMS.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

ALL EXISTING GRANULAR AND HOT-MIX ASPHALT PAVEMENT TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATING. IF THE HOT-MIX ASPHALT PAVEMENT IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. HOT-MIX ASPHALT PAVEMENT REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO HOT-MIX ASPHALT PAVEMENT SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.

TRAFFIC SIGNS REMOVED MUST BE RESET AT TEMPORARY LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THE SIGNS SHALL BE RESET AT LOCATIONS DETERMINED BY THE ENGINEER AFTER CONSTRUCTION IS COMPLETE. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT. THE ENGINEER WILL TRANSFER ELECTRONIC FILES TO THE CONTRACTOR FOR CONSTRUCTION LAYOUT PURPOSES.

THE CONTRACTOR SHALL SET STRING LINES FOR GRADE CONTROL AT A MINIMUM OF 50' INTERVALS, AND USE THE PROPOSED PROFILE AND THE CROSS SLOPE SHOWN ON THE TYPICAL SECTIONS FOR THE MILLING AND PAVING OPERATIONS.

MICROSTATION AND GEOPAK FILES FOR THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OF FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THE CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

THE RESIDENT ENGINEER SHALL CONTACT I.D.O.T. TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

THE CONTRACTOR SHALL USE REASONABLE CARE WHEN LOADING, UNLOADING, TURNING OR MOVING ANY EQUIPMENT OR MATERIAL THAT MAY DAMAGE THE EXISTING OR NEW ROADWAY, SIDEROADS OR ENTRANCES. SHOULD ANY ROADWAY OR ENTRANCE BECOME DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR SUCH DAMAGE USING THE SAME MATERIAL AS IS EXISTING, AT HIS/HER EXPENSE, AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT HIS/HER EXPENSE, ANY CULVERTS LOCATED WITHIN THE PROJECT LIMITS, WHICH MAY BECOME DAMAGED DUE TO HIS/HER OPERATIONS. REPAIR OR REPLACEMENT OF ANY EXISTING CULVERTS WILL BE DONE AS DIRECTED AND TO THE SATISFACTION OF THE ENGINEER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION OF 2' WIDE DRAINAGE CHANNELS THROUGH THE EXISTING AGGREGATE/EARTH SHOULDERS PERPENDICULAR TO THE ROADWAY AT LOCATIONS SPECIFIED BY THE ENGINEER TO ALLOW FOR PAVEMENT DRAINAGE AFTER THE COLD MILLING OPERATION. THIS WORK WILL BE PERFORMED ON AN AS NEEDED BASIS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.

ALL COLD MILLINGS GENERATED ON THIS PROJECT, NOT USED FOR AGGREGATE SHOULDERS (SPECIAL) OR AGGREGATE SURFACE COURSE (SPECIAL), SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

## HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
BLR 14-10	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO-WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

## HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S):	SURFACE COURSE, INCIDENTAL
RAP % (MAX):	15%
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5
FRICITION AGGREGATE	MIXTURE D (DOLOMITE ONLY)

NOTE: INDIVIDUAL LIFT THICKNESS OF EACH TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM AGGREGATE SIZE.

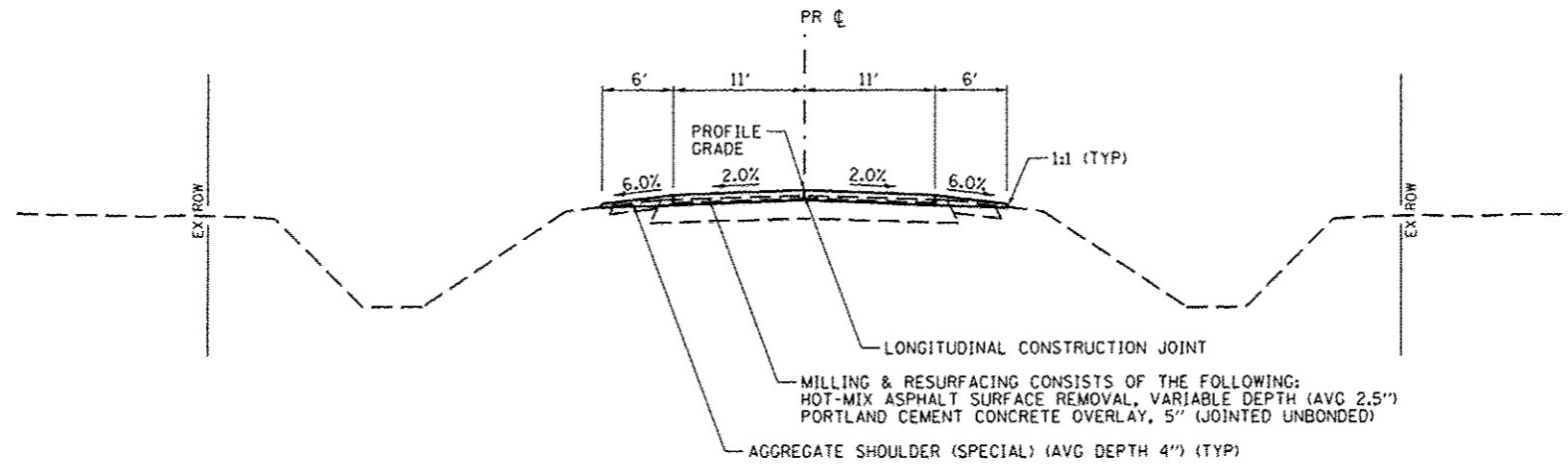
FILE NAME *	USER NAME * Hughes	DESIGNED - RMB	REVISED -	<b>STATE OF ILLINOIS</b>	<b>FAS RTE 417 (CH 10)</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\3258 - Henderson Cnty - CH 10 PCC D	lay - PH 2\CADD\CADD Sheets\0489609-shr-g	SRH	REVISED -	<b>DEPARTMENT OF TRANSPORTATION</b>	<b>HIGHWAY STANDARDS &amp; GENERAL NOTES</b>	417	10-00073-00-RS	HENDERSON	28	2
	PLT SCALE = 2.000" = 1'	CHECKED - WSL	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 89609	
	PLT DATE = 4/24/2013	DATE - 2/28/2013	REVISED -				FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				
SPECIALTY ITEM &/OR SPECIAL PROVISION	CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
	20200100	EARTH EXCAVATION	CU YD	170
SP	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	732
SP	21400100	GRADING AND SHAPING DITCHES	FOOT	333
	25100630	EROSION CONTROL BLANKET	SQ YD	654
	31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	732
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	211
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	127
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	694
	67100100	MOBILIZATION	L SUM	1
SP, SI	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	15140
SP, SI	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	23
SP	X4200750	PORTLAND CEMENT CONCRETE OVERLAY, 5"	SQ YD	52674
SP	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	52576
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
SP	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
SP	XX007371	PORTLAND CEMENT CONCRETE PAVEMENT, FURNISHED	CU YD	7357
SP	<del>X44011800</del>	AGGREGATE SHOULDERS (SPECIAL)	SQ YD	28763
SP	<del>XX008873</del>	AGGREGATE SURFACE COURSE (SPECIAL)	TON	68

SP = SPECIAL PROVISION SI = SPECIALTY ITEM

FILE NAME *	USER NAME * Shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\3258 - Henderson Enty - CH 18 PCC Dr	lay - PH 2\CAADD\CADD Sheets\0489609\sh-t-5000	AWN -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	417	10-00073-00-RS	HENDERSON	28	3
	PLOT SCALE * 2.000' / in.	CHECKED -	REVISED -						CONTRACT NO. 89609				
	PLOT DATE * 4/24/2013	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

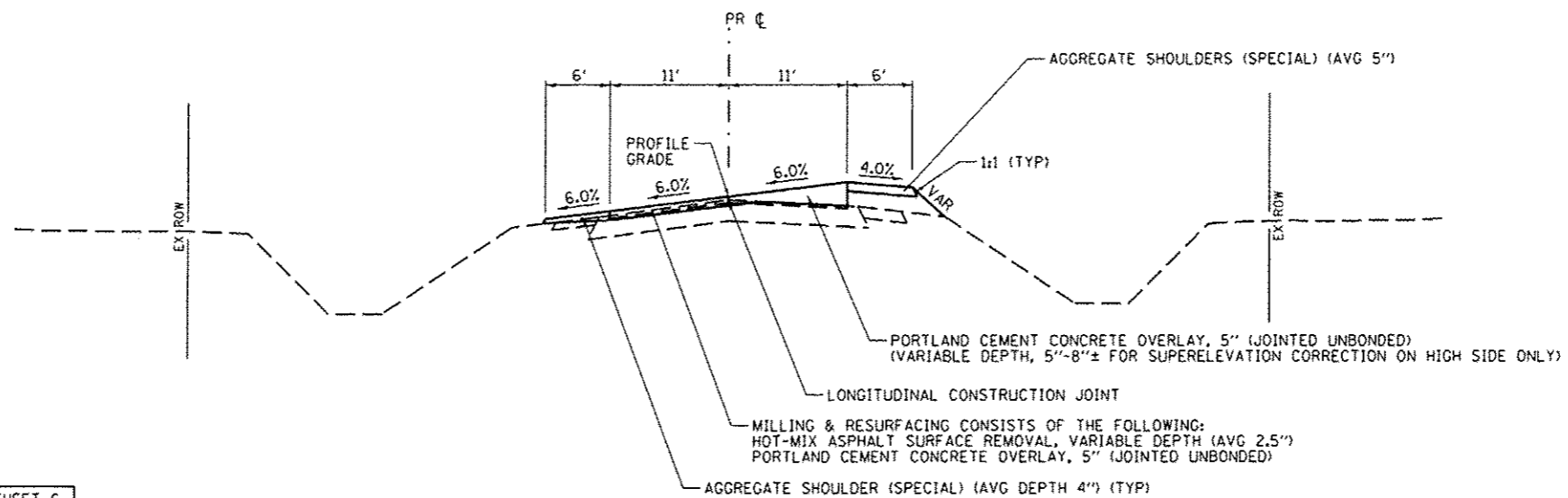




**PROPOSED TYPICAL SECTION**

**FAS RTE 417 (CH 10)**

STA 1+00 TO STA 210+13



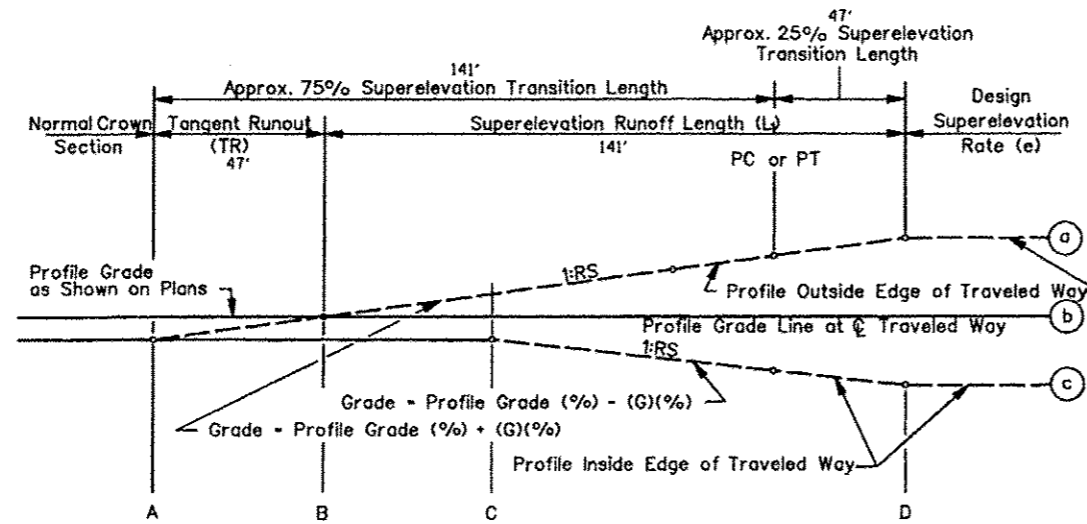
**PROPOSED SUPERELEVATED TYPICAL SECTION**

**FAS RTE 417 (CH 10)**

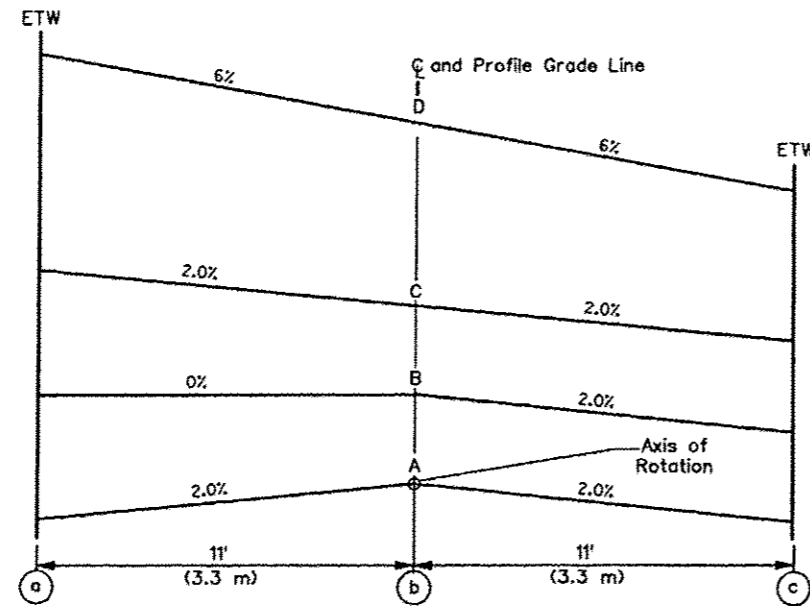
STA 210+13 TO STA 216+45

NOTE: ALSO SEE SUPERELEVATION TABLE & DETAIL ON SHEET 6.

FILE NAME *	USER NAME * Shughes	DESIGNED - RMB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAS RTE 417 (CH 10) TYPICAL SECTIONS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\325B - Henderson Cnty - CH 10 PCC Overlay - PH 2\CA00\CA00 Sheets\0489609-shr-typ	DRAWN - SRH	CHECKED - WSL	REVISED -		SCALE: N/A	SHEET NO. 2 OF 2 SHEETS	STA. N/A	TO STA. N/A	417	10-00073-00-RS	HENDERSON	28	5
PLOT SCALE = 16,000' / in.	DATE - 2/28/2013	REVISED -	REVISED -		CONTRACT NO. 89609								
PLOT DATE = 3/12/2013	DATE - 2/28/2013	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								



Note: Round all edge breakpoints in field.



AXIS OF ROTATION ABOUT CENTERLINE  
(Two-Lane Highway)

Figure 29-3E

PROPOSED SUPERELEVATION TABLE			
SECTIONS	STA	LEFT	RIGHT
		SE	SE
A	210+13	-2.00%	-2.00%
B	210+60	-2.00%	0.00%
C	211+07	-2.00%	2.00%
PC	211+53.95		
D	212+01	-6.00%	6.00%
D	214+17	-6.00%	6.00%
PT	214+63.94		
C	215+11	-2.00%	2.00%
B	215+58	-2.00%	0.00%
A	216+05	-2.00%	-2.00%

EARTHWORK						
1		2	3	4	5	
LOCATION		EARTH EXCAVATION (CUT)	ADJUSTED (CUT)	EMBANKMENT (FILL)	EARTH BALANCE WASTE(+) OR SHORTAGE(-)	
STATION	TO	STATION	CU YD			
0+00	TO	1+00	170.6	128.0	5.5	122.5
210+00	TO	216+20	0.0	0.0	13.9	-13.9
TOTAL			170.6			108.6
USE PAY ITEM TOTALS BELOW						
INFORMATION						
SHRINKAGE FACTOR: 25%						
PAY ITEM:						
COLUMN #2 is EARTH EXCAVATION = 170 CU YD						

EROSION CONTROL BLANKET					
LOCATION			SIDE	WIDTH FOOT	AREA SQ YD
STATION +/-	TO	STATION +/-			
0+00	TO	1+00	LT	12	262.1
0+00	TO	1+00	RT	12	157.3
210+00	TO	216+20	RT	4	234.6
TOTAL					654.0
USE					654

GRADING AND SHAPING DITCHES					
STATION +/-	TO	STATION +/-	SIDE	FOOT	
0+00	TO	1+00	LT	206	
0+00	TO	1+00	RT	127	
TOTAL					333

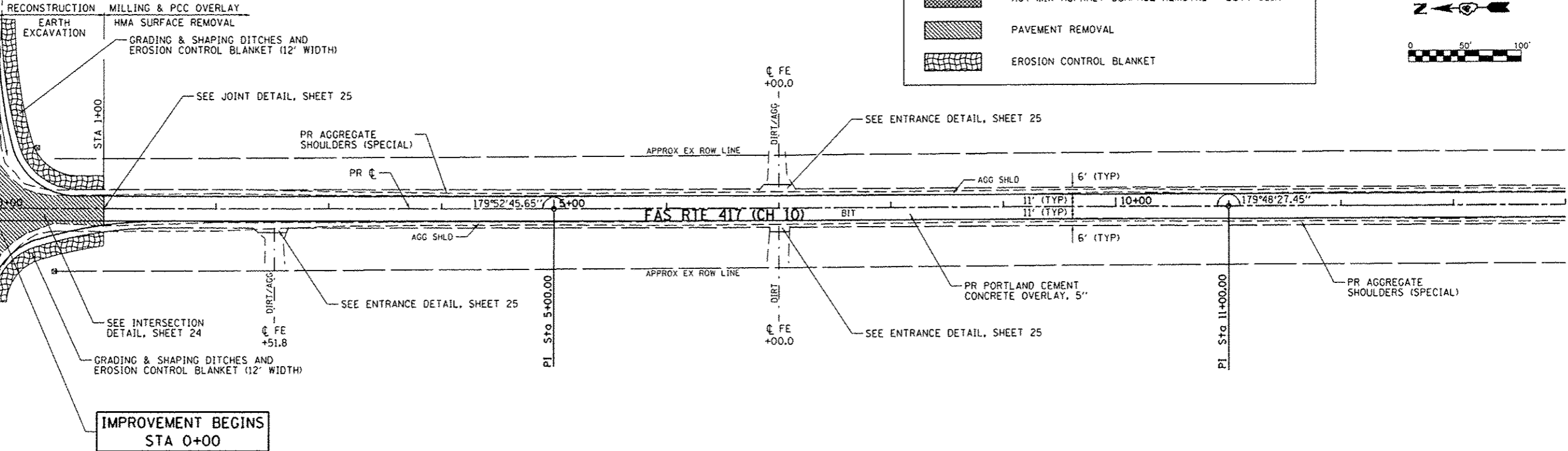
PAVEMENT & SHOULDERS										
LOCATION		SUBBASE GRANULAR MATERIAL, TYPE A 4"	PORTLAND CEMENT CONCRETE PAVEMENT 8"	PORTLAND CEMENT CONCRETE OVERLAY, 5"	PORTLAND CEMENT CONCRETE PAVEMENT, FURNISHED	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	AGGREGATE SHOULDERS (SPECIAL)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
STATION	TO	STATION	SQ YD	SQ YD	SQ YD	CU YD	SQ YD	SQ YD	SQ YD	SQ YD
0+00	TO	1+00	732.0	694.0				206.2		732.0
1+00	TO	216+05				7339.2	52575.6			
1+00	TO	216+45			52673.4			28556.9		
216+05	TO	216+45				17.6			97.8	
TOTAL			732.0	694.0	52673.4	7356.8	52575.6	97.8	28763.1	732.0
USE			732	694	52674	7357	52576	98	28763	732

ENTRANCE & SIDEROAD					
STATION +/-	SIDE	TYPE	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE (SPECIAL)
			SQ YD	TON	TON
2+51.8	RT	FE			2.9
7+00.0	LT	FE			2.9
7+00.0	RT	FE			1.8
15+80.5	RT	FE			2.2
26+27.7	RT	FE			2.4
26+67.6	LT	FE			2.6
34+71.0	RT	PE			4.2
40+19.4	RT	FE			2.7
40+29.9	LT	FE			3.6
51+80.1	LT	PE			4.2
53+19.4	RT	TR 300N	8.7	14.9	
53+29.9	LT	TR 300N	11.2	11.8	
72+57.6	LT	FE			2.6
76+54.0	LT	FE			3.0
78+59.7	RT	FE			2.9
79+73.6	RT	TR 250N	21.0	9.6	
90+61.6	LT	FE			2.9
92+57.3	LT	FE			3.3
94+43.5	RT	FE			2.9
107+85.3	LT	TR 200N	11.5	12.6	
107+94.8	RT	TR 200N	11.4	15.5	
121+55.5	RT	FE			2.9
135+72.0	RT	FE			2.9
157+89.9	LT	FE			2.7
159+39.9	RT	FE			3.2
162+54.6	LT	TR 100N	10.4	15.1	
162+54.6	RT	TR 100N	11.6	16.3	
168+93.9	LT	FE			2.2
174+71.6	RT	FE			1.4
188+87.1	LT	FE			3.0
188+98.3	RT	FE			2.5
215+63.3	RT	TR 000N	13.9	19.1	
215+71.7	LT	TR 000N	12.5	11.7	
TOTAL			112.2	126.6	67.9
USE			113	127	68

MODIFIED URETHANE PAVEMENT MARKING							
STATION		TO		4"		24"	
				SKIP-DASH	SOLID	SKIP-DASH	SOLID
		YELLOW		YELLOW		YELLOW	
		PASSING / NO PASSING		PASSING / NO PASSING		PASSING	
		CENTERLINE (NORTHBOUND)		CENTERLINE (SOUTHBOUND)		CENTERLINE	
						STOP BAR	
FOOT							
0+41	TO	0+41					23
0+00	TO	1+29		129		129	
1+29	TO	21+12		1983	496		
21+12	TO	50+67				739	
50+67	TO	66+43	394			1576	
66+43	TO	70+53				103	
70+53	TO	76+65		612	153		
76+65	TO	82+83		618		618	
82+83	TO	85+75	73			292	
85+75	TO	91+18				136	
91+18	TO	105+59		1441	360		
105+59	TO	132+42				671	
132+42	TO	141+85	236			943	
141+85	TO	152+27				261	
152+27	TO	160+29		802	201		
160+29	TO	160+67				10	
160+67	TO	164+23	89			356	
164+23	TO	179+87				391	
179+87	TO	184+07		420	105		
184+07	TO	216+20				803	
SUB-TOTAL			792	6005	1315	3914	3114
TOTAL							15140
							23

DATE	BY

PR PORTLAND CEMENT CONCRETE PAVEMENT 8"  
 HMA POT Sta 0+00.00  
 TR 400N (CH B)  
 O&C

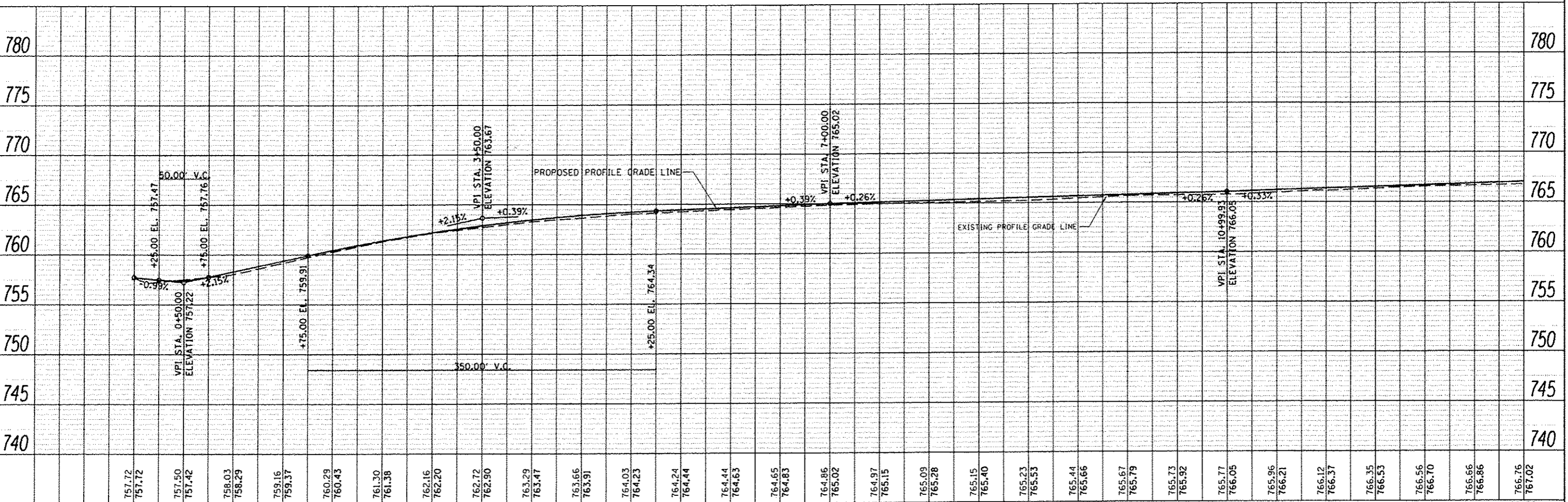


**LEGEND**

[Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[Pattern]	PAVEMENT REMOVAL
[Pattern]	EROSION CONTROL BLANKET



DATE	BY



757.72	757.72	757.50	757.42	758.03	758.29	759.16	759.37	760.29	760.43	761.30	761.38	762.16	762.20	762.72	762.90	763.29	763.47	763.66	763.91	764.03	764.23	764.24	764.44	764.44	764.63	764.65	764.83	764.86	765.02	764.97	765.15	765.09	765.28	765.15	765.40	765.23	765.53	765.44	765.66	765.67	765.79	765.73	765.92	765.77	766.05	765.96	766.21	766.12	766.37	766.35	766.53	766.56	766.70	766.66	766.86	766.76	767.02
0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00	11+00	12+00	13+00	14+00																																											

FILE NAME : V13258 - Henderson Cnty - CH 10 PCC Overlay - PH 2\CAD\CAD Sheets\0489689-shr\plan				USER NAME : Shughes				DESIGNED : [ ]				REVISED : [ ]				<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>FAS RTE 417 (CH 10)</b> <b>PLAN &amp; PROFILE</b>				SECTION 417	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 8
PLOT SCALE : 1/8" = 10'-0.0000 "/ in.				CHECKED : [ ]				REVISED : [ ]				SCALE: H=50 V=5 SHEET 1 OF 15 SHEETS STA. 0+00 TO STA. 14+00								CONTRACT NO. 89609	ILLINOIS FED. AID PROJECT						
PLOT DATE : 4/23/2013				DATE : [ ]				REVISED : [ ]																			

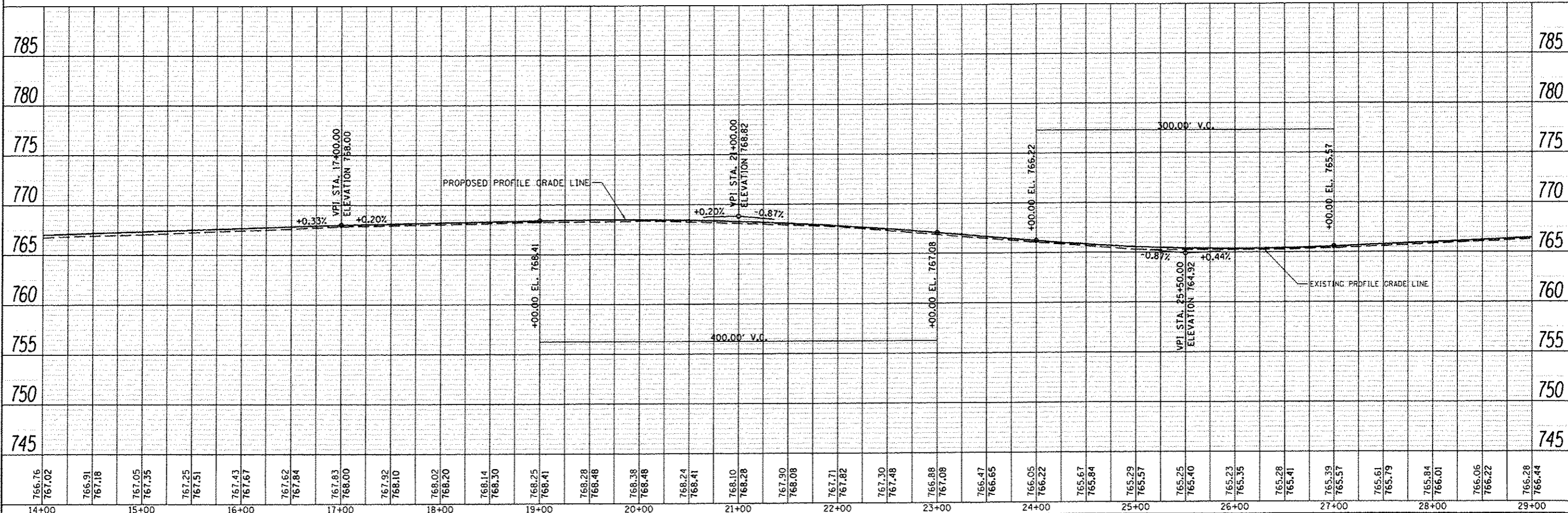
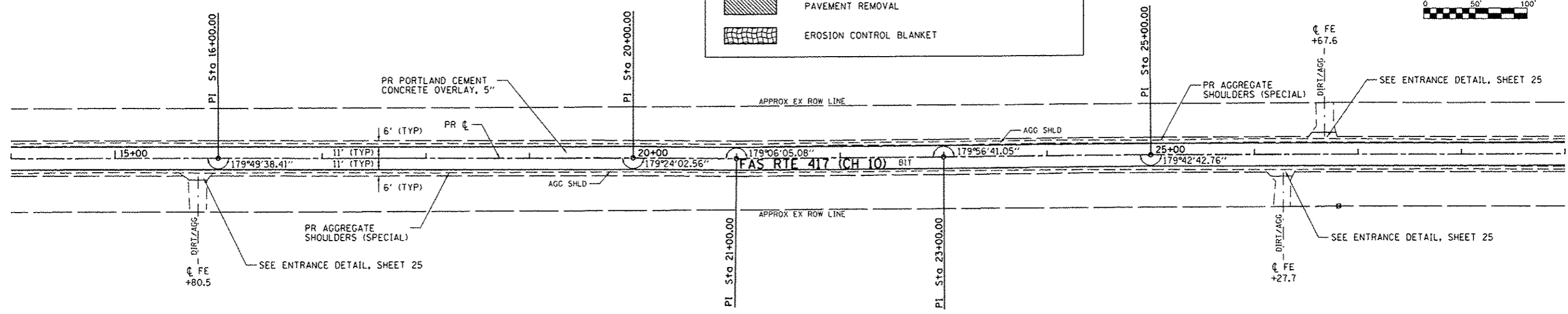


DATE	
BY	
REVIEWED	
APPROVED	
NOTE BOOK NO.	
DATE CHECKED	
NO.	

DATE	
BY	
REVIEWED	
APPROVED	
NOTE BOOK NO.	
DATE CHECKED	
NO.	

**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



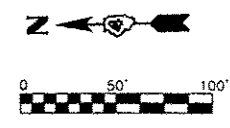
14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00	26+00	27+00	28+00	29+00																																												
766.76	767.02	766.91	767.18	767.05	767.35	767.25	767.51	767.43	767.67	767.62	767.84	767.83	768.00	767.92	768.10	768.02	768.20	768.14	768.30	768.25	768.41	768.38	768.48	768.24	768.41	768.10	768.28	767.90	768.08	767.71	767.82	767.30	767.48	766.88	767.08	766.47	766.65	766.05	766.22	765.67	765.84	765.29	765.57	765.25	765.40	765.23	765.35	765.28	765.41	765.39	765.57	765.61	765.79	765.84	766.01	766.05	766.22	766.28	766.44

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

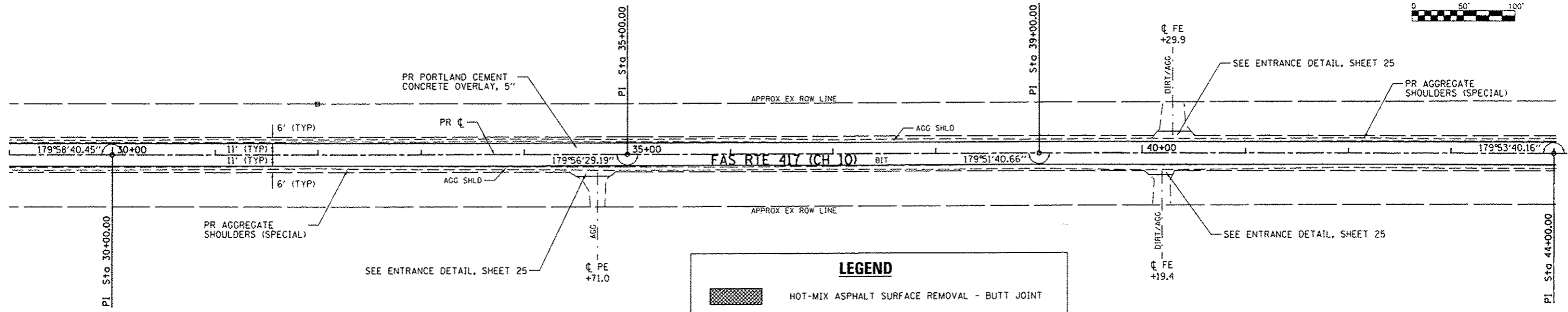
**FAS RTE 417 (CH 10)  
PLAN & PROFILE**

FILE NAME	USER NAME	DESIGNED	REVISED
V:\3258 - Henderson Cnty - CH 10 PEC Over	Shughes	-	-
SHT_PLNPRF	DATE	CHECKED	REVISED
	4/23/2013	-	-

SCALE: H=50 V=5	SHEET 2 OF 15 SHEETS	STA. 14+00 TO STA. 29+00	F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 9
						CONTRACT NO. 89609	
						ILLINOIS FED. AID PROJECT	



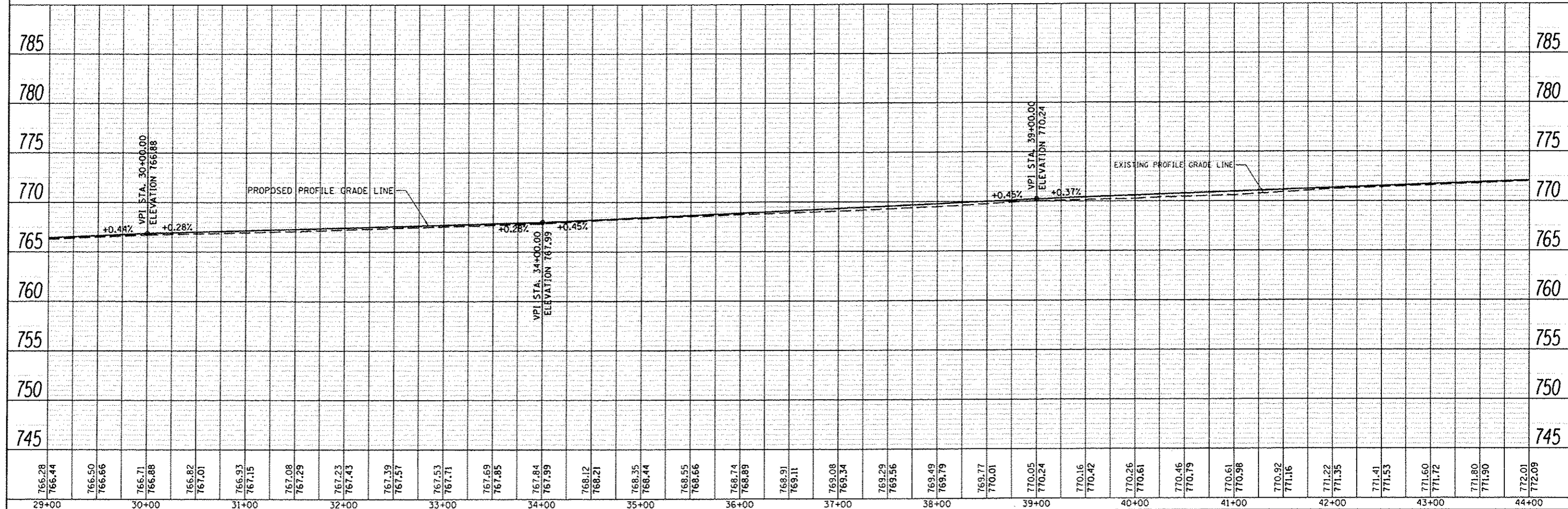
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PROFILE	
NO.	



766.28	766.44	766.50	766.66	766.71	766.88	766.82	767.01	766.93	767.15	767.08	767.29	767.23	767.43	767.39	767.57	767.53	767.71	767.69	767.85	767.84	767.99	768.12	768.21	768.35	768.44	768.55	768.66	768.74	768.89	768.91	769.11	769.08	769.34	769.29	769.56	769.49	769.79	769.77	770.01	770.05	770.24	770.16	770.42	770.26	770.61	770.46	770.79	770.61	770.98	770.92	771.16	771.22	771.35	771.41	771.53	771.60	771.72	771.80	771.90	772.01	772.09
29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00																																														

FILE NAME: V:\3250 - Henderson Cnty - CH 10 PCC Over

USER NAME: Shughes  
 DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DATE: 4/23/2013

REVISED: [Signature]  
 REVISED: [Signature]  
 REVISED: [Signature]  
 REVISED: [Signature]




**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

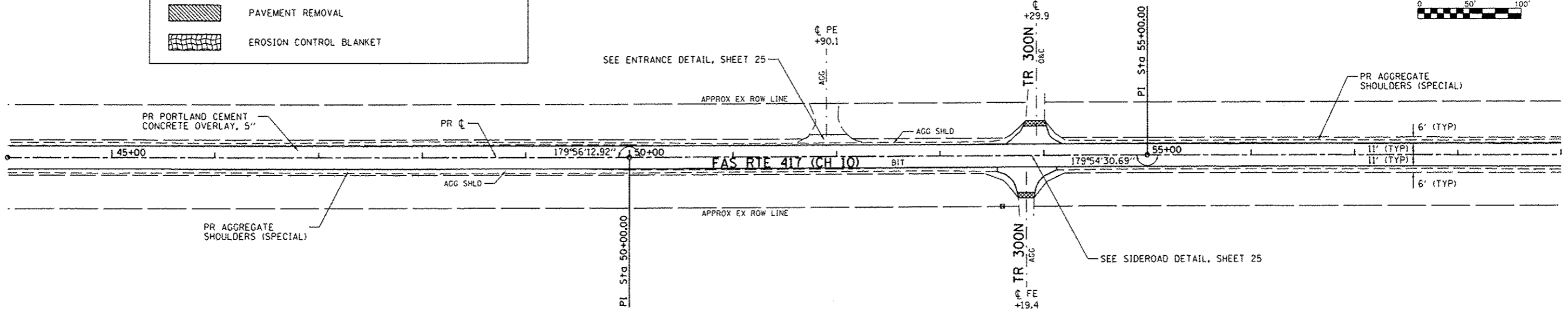
**FAS RTE 417 (CH 10)  
 PLAN & PROFILE**

SCALE: H=50 V=5 SHEET 3 OF 15 SHEETS STA. 29+00 TO STA. 44+00

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 10
CONTRACT NO. 89609				
ILLINOIS FED. AID PROJECT				

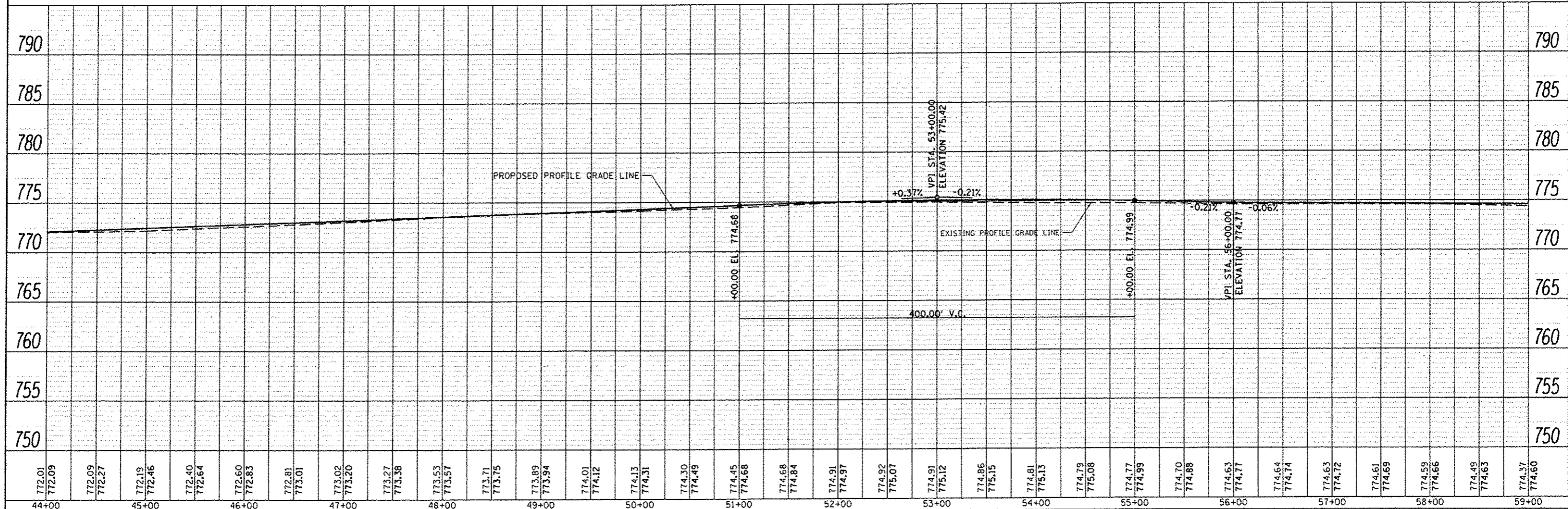
**LEGEND**

-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  PAVEMENT REMOVAL
-  EROSION CONTROL BLANKET



PLAN	DATE
BY	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	

PROFILE	DATE
BY	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	
NO. _____	



772.01	772.09	772.09	772.27	772.19	772.46	772.40	772.64	772.60	772.83	772.81	773.01	773.02	773.20	773.27	773.38	773.53	773.57	773.71	773.75	773.89	773.94	774.01	774.12	774.13	774.31	774.30	774.49	774.45	774.68	774.68	774.84	774.91	774.97	774.92	775.07	774.91	775.12	774.86	775.15	774.81	775.13	774.79	775.08	774.77	774.99	774.70	774.88	774.63	774.77	774.64	774.74	774.63	774.72	774.61	774.69	774.59	774.66	774.49	774.63	774.37	774.60
44+00	45+00	46+00	47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00																																														

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
PLAN & PROFILE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	10-00073-00-RS	HENDERSON	28	11
CONTRACT NO. 89609				

SCALE: H=50 V=5 SHEET 4 OF 15 SHEETS STA. 44+00 TO STA. 59+00

FILE NAME: V:\3258 - Henderson Entry - CH 10 PCC Over  
SHT\_PLNPROF

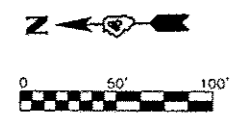
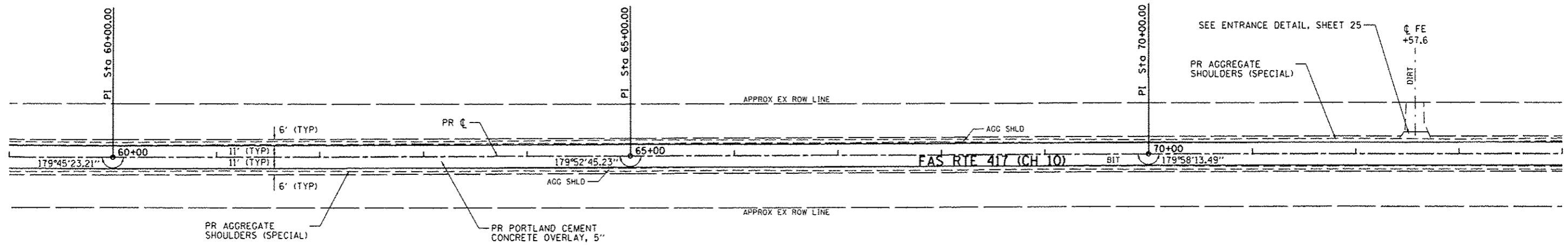
USER NAME: Hughes  
DESIGNED: DRAWN  
CHECKED: DATE: 4/23/2013

REVISED: REVISED: REVISED: REVISED:

ILLINOIS FED. AID PROJECT

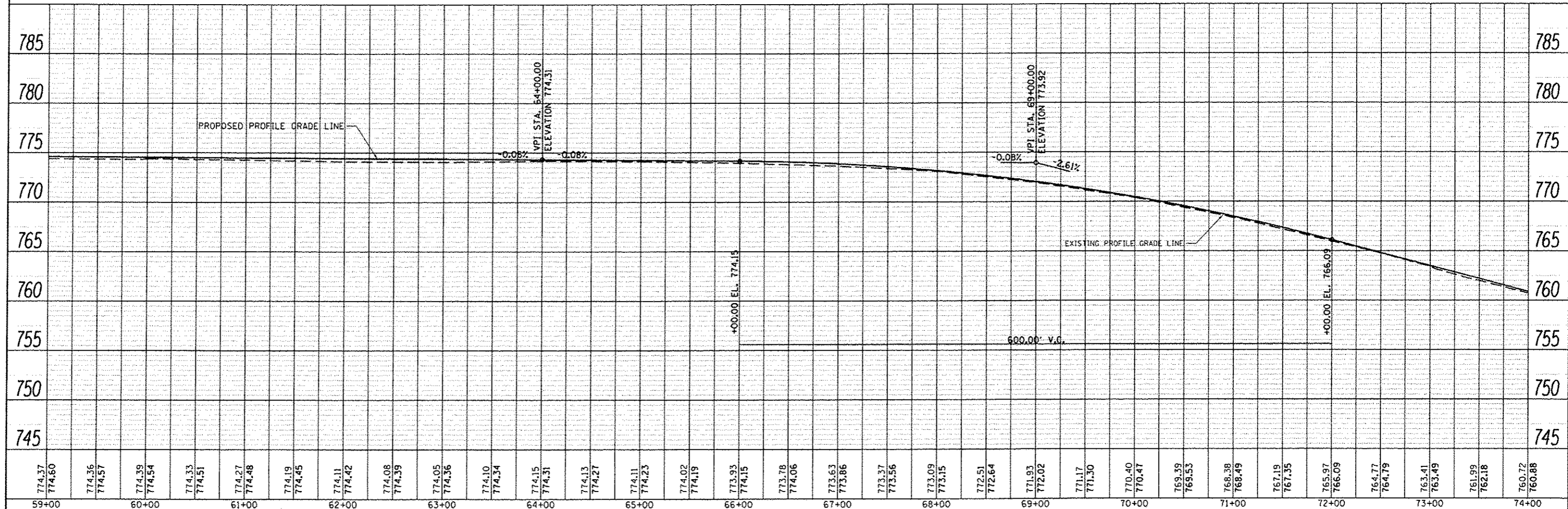
PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	FILE NAME	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



59+00	60+00	61+00	62+00	63+00	64+00	65+00	66+00	67+00	68+00	69+00	70+00	71+00	72+00	73+00	74+00															
774.37 774.60	774.36 774.57	774.39 774.54	774.33 774.51	774.27 774.48	774.19 774.45	774.11 774.42	774.08 774.39	774.05 774.36	774.10 774.34	774.15 774.31	774.13 774.27	774.11 774.23	774.02 774.19	773.93 774.15	773.78 774.06	773.63 773.86	773.37 773.56	773.09 773.15	772.51 772.64	771.93 772.02	771.17 771.30	770.40 770.47	769.39 769.53	768.38 768.49	767.19 767.35	765.97 766.09	764.77 764.79	763.41 763.49	761.99 762.18	760.72 760.88

FILE NAME: V:\325B - Henderson Cnty - CH 10 PCC Over  
SHT.PLNPROF

USER NAME: Shughes  
DESIGNED: [Signature]  
CHECKED: [Signature]  
DATE: 4/23/2013

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
PLAN & PROFILE  
SCALE: H=50 V=5 SHEET 5 OF 15 SHEETS STA. 59+00 TO STA. 74+00

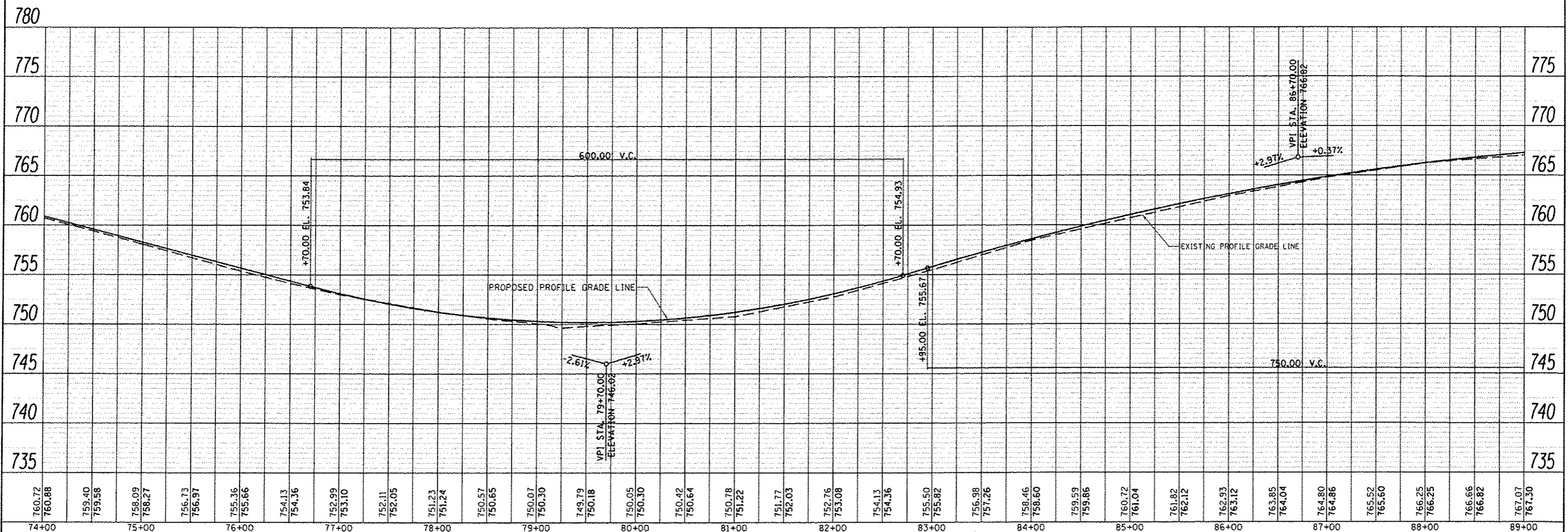
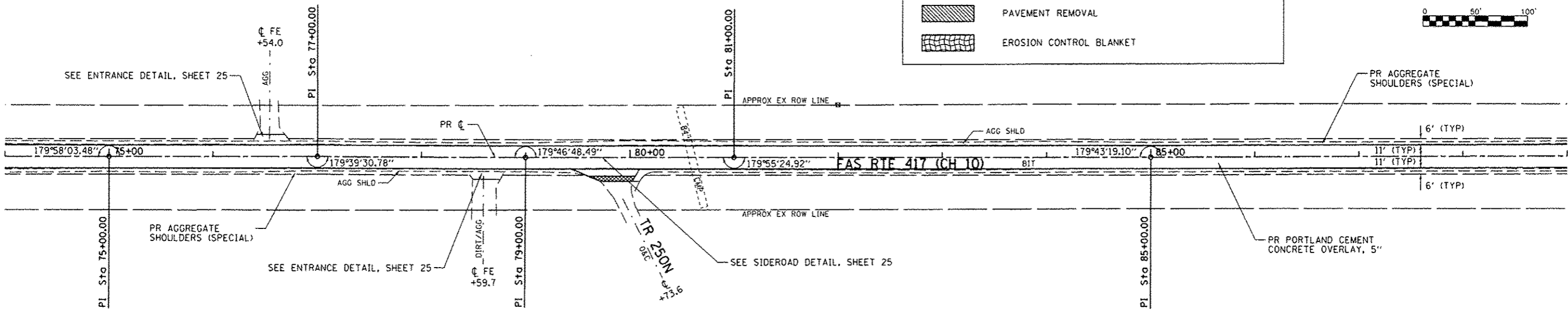
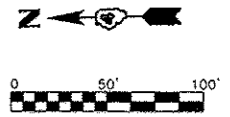
F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 12
CONTRACT NO. 89609				
ILLINOIS FED. AID PROJECT				

DATE	
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NO. OF WAY CHECKED	

**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



74+00	75+00	76+00	77+00	78+00	79+00	80+00	81+00	82+00	83+00	84+00	85+00	86+00	87+00	88+00	89+00																																														
760.72	760.88	759.40	759.58	758.09	758.27	756.73	756.97	755.36	755.66	754.13	754.36	752.99	753.10	752.11	752.05	751.23	751.24	750.57	750.65	750.07	750.30	749.79	750.18	750.05	750.30	750.42	750.64	750.78	751.22	751.77	752.03	752.76	753.08	754.13	754.36	755.50	755.82	756.98	757.26	758.46	758.60	759.59	759.86	760.72	761.04	761.82	762.12	762.93	763.12	763.85	764.04	764.80	764.86	765.52	765.60	766.25	766.25	766.66	766.82	767.07	767.30

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
PLAN & PROFILE

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 13
CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT	

SCALE: H=50 V=5 SHEET 6 OF 15 SHEETS STA. 74+00 TO STA. 89+00

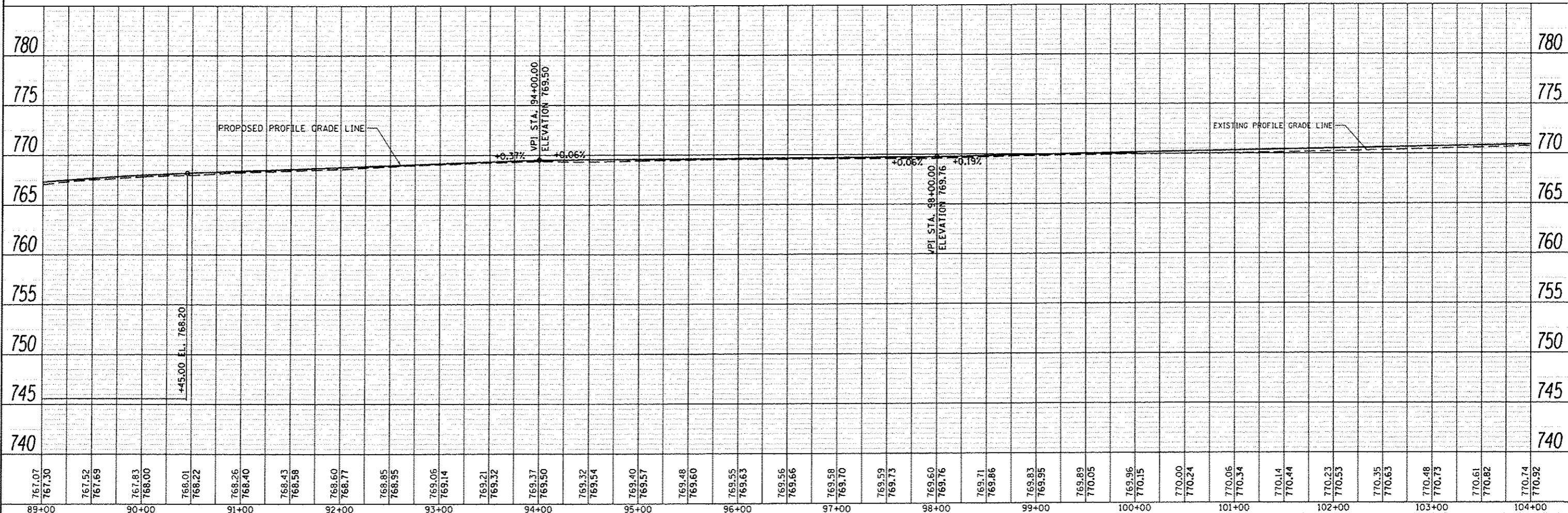
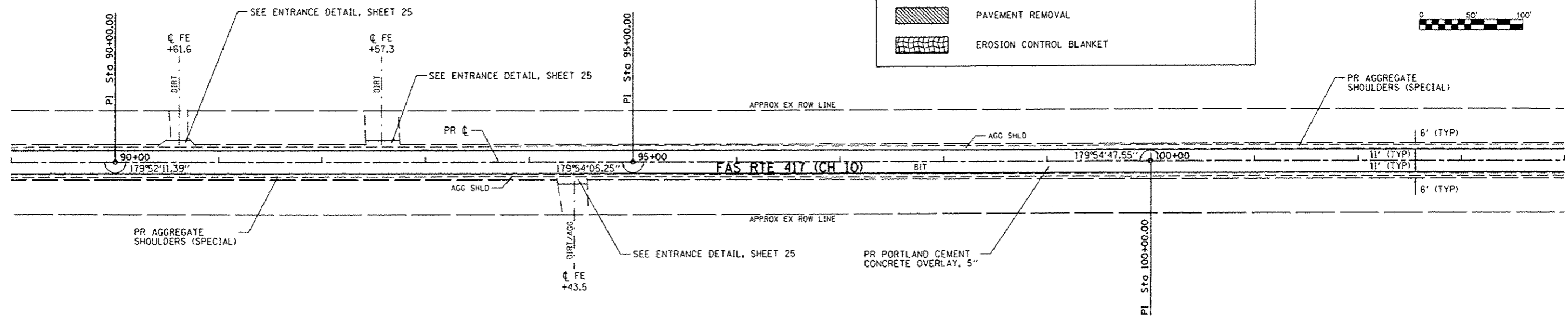
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	PLOT DATE: 4/23/2013	DATE: -	REVISED: -

DATE	
BY	
REVIEWED	
DESIGNED	
CHECKED	
PLANNED	
NO.	

DATE	
BY	
REVIEWED	
DESIGNED	
CHECKED	
PLANNED	
NO.	

**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



767.07	767.30	767.52	767.69	767.83	768.00	768.01	768.22	768.26	768.40	768.43	768.58	768.60	768.77	768.85	768.95	769.06	769.14	769.21	769.32	769.37	769.50	769.32	769.54	769.40	769.57	769.48	769.60	769.55	769.63	769.56	769.66	769.58	769.70	769.59	769.73	769.60	769.76	769.71	769.86	769.83	769.95	769.89	770.05	769.96	770.15	770.00	770.24	770.06	770.34	770.14	770.44	770.23	770.53	770.35	770.63	770.48	770.73	770.61	770.82	770.74	770.92
89+00	90+00	91+00	92+00	93+00	94+00	95+00	96+00	97+00	98+00	99+00	100+00	101+00	102+00	103+00	104+00																																														

FILE NAME \*  
 Y:\3258 - Henderson Cnty - CH 10 PCC Over  
 SHT\_PLNPROF

USER NAME \* Shughes  
 PLOT SCALE \* 100.0000' / in.  
 PLOT DATE \* 4/23/2013

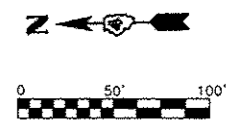
DESIGNED -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
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 REVISED -

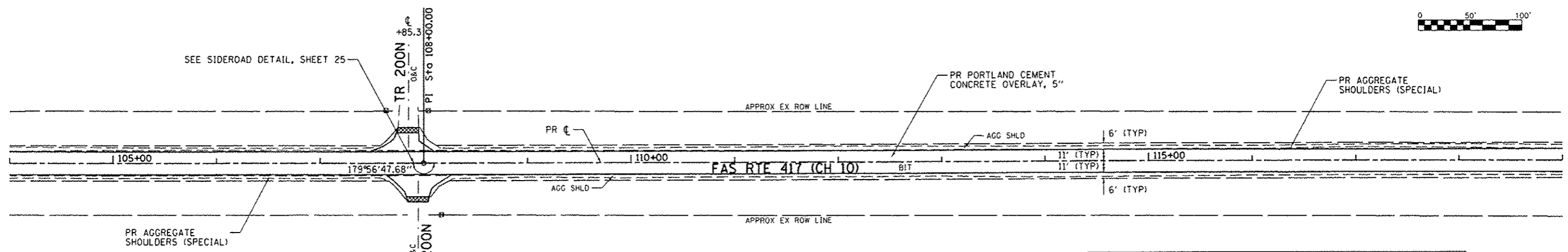
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAS RTE 417 (CH 10)  
 PLAN & PROFILE**  
 SCALE: H=50 V=5 SHEET 7 OF 15 SHEETS STA. 89+00 TO STA. 104+00

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 14
CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT	

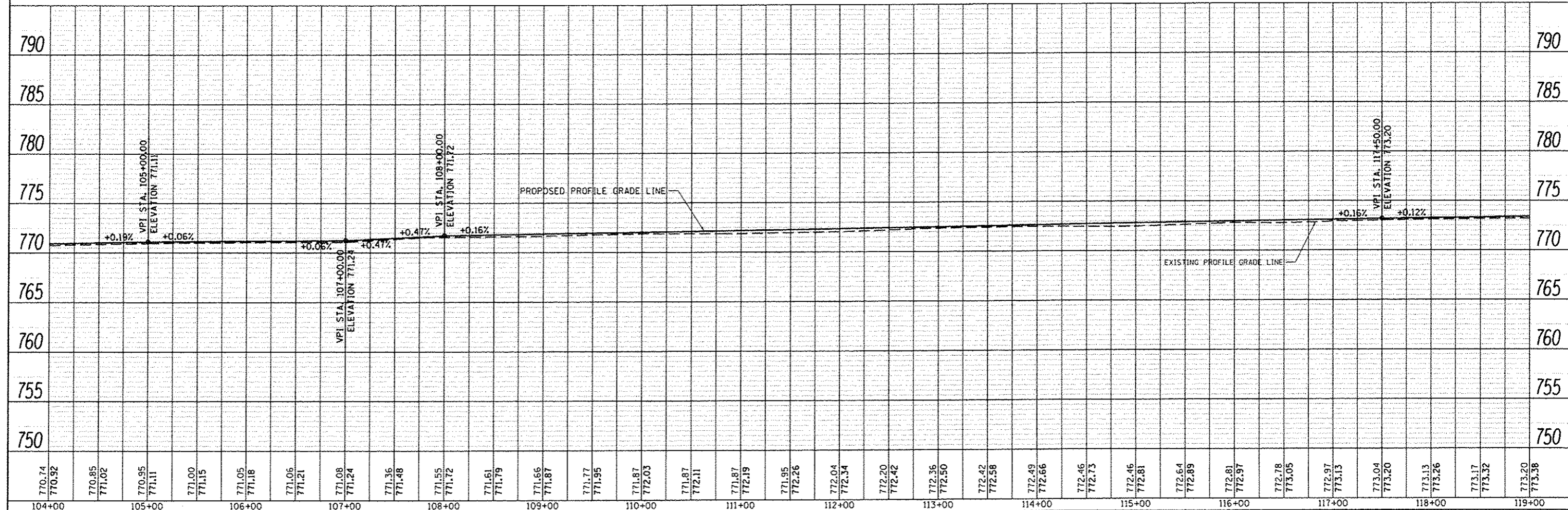


DATE	
BY	
DESIGNED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CPTD	
NO.	
PLAN	
NOTE BOOK	
NO.	
NO.	
NO.	



LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL
	EROSION CONTROL BLANKET

DATE	
BY	
DESIGNED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CPTD	
NO.	
PROFILE	
NOTE BOOK	
NO.	
NO.	
NO.	



104+00	105+00	106+00	107+00	108+00	109+00	110+00	111+00	112+00	113+00	114+00	115+00	116+00	117+00	118+00	119+00																																														
770.74	770.92	770.85	771.02	770.95	771.11	771.00	771.15	771.05	771.18	771.06	771.21	771.08	771.24	771.36	771.48	771.55	771.72	771.61	771.79	771.66	771.87	771.77	771.95	771.87	772.03	771.87	772.11	771.87	772.19	771.95	772.26	772.04	772.34	772.20	772.42	772.36	772.50	772.42	772.58	772.49	772.66	772.46	772.73	772.46	772.81	772.64	772.89	772.81	772.97	772.78	773.05	772.97	773.13	773.04	773.20	773.13	773.26	773.17	773.32	773.20	773.38

FILE NAME \*  
 V:\3250 - Henderson Cnty - CH 10 PCC Over  
 SHT\_PLNPROF

USER NAME \* Shughes  
 DESIGNED -  
 REVISIONS -  
 PLOT SCALE \* 100.0000' / in.  
 PLOT DATE \* 4/23/2013

DESIGNED -  
 REVISIONS -  
 CHECKED -  
 DATE -

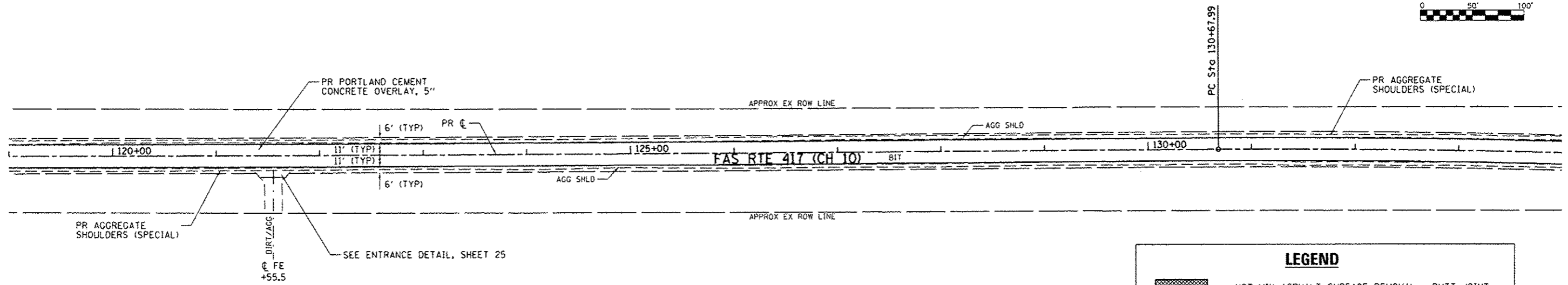
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
 PLAN & PROFILE  
 SCALE: H=50 V=5 SHEET 8 OF 15 SHEETS STA. 104+00 TO STA. 119+00

F.A.S. RTE. 417	SECTION 10-00013-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 15
CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT	



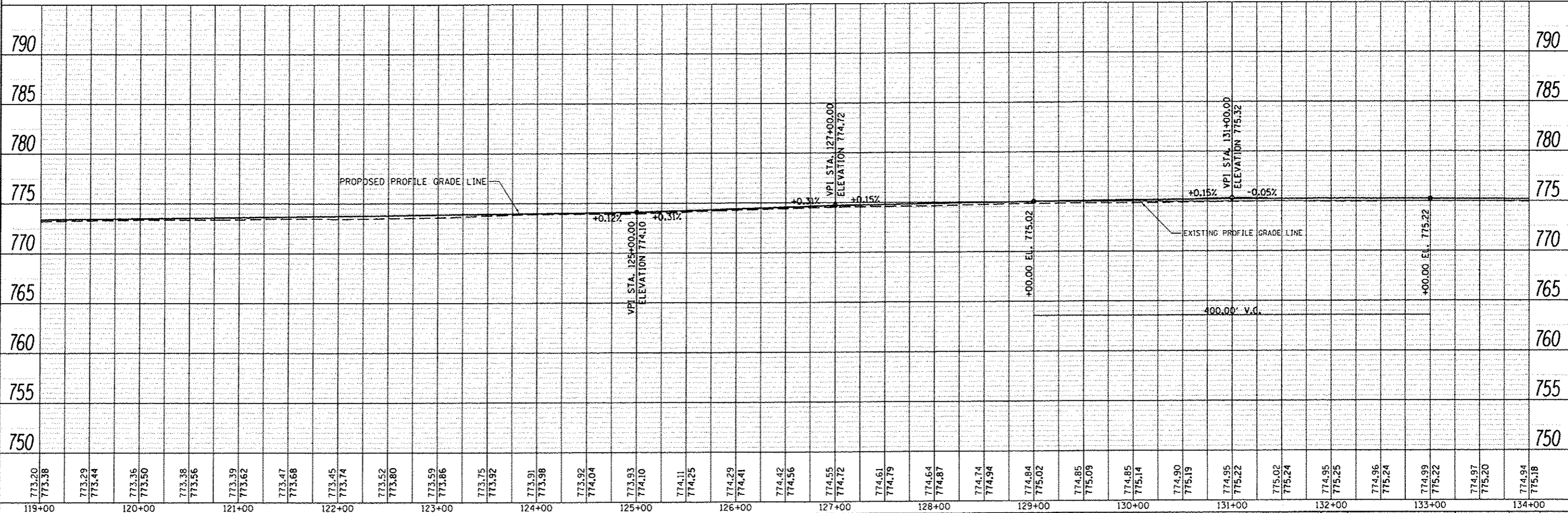
DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
FILE NAME	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
FILE NAME	



FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS</b>	<b>FAS RTE 417 (CH 10)</b>	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V\3258 - Henderson Cnty - CH 10 PCC Overlay	PH 2\CADD\CADD Sheets\0489689-shr-pln	DRWNN		<b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	417	HENDERSON	28	16
SHT_PLNPROF	PLOT SCALE = 1/8" = 100'	CHECKED	REVISIOED	SCALE: H=50 V=5 SHEET 9 OF 15 SHEETS STA. 119+00 TO STA. 134+00			CONTRACT NO. 89609		
	PLOT DATE = 4/23/2013	DATE	REVISIOED	ILLINOIS FED. AID PROJECT					

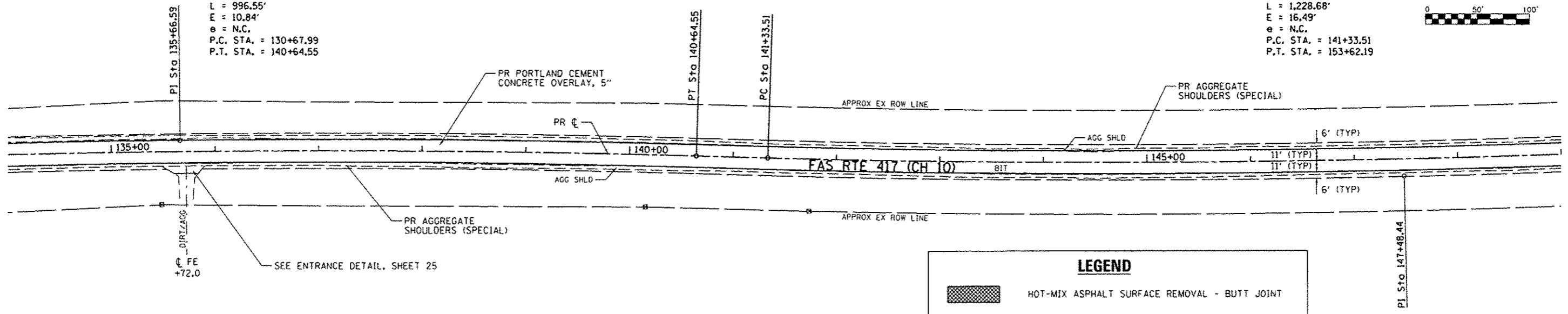


PROP. CURVE PR.CH10-1  
 PI STA. = 135+66.59  
 $\Delta = 4^\circ 58' 57''$  (RT)  
 $D = 0^\circ 30' 00''$   
 $R = 11,460.00'$   
 $T = 498.59'$   
 $L = 996.55'$   
 $E = 10.84'$   
 $e = N.C.$   
 P.C. STA. = 130+67.99  
 P.T. STA. = 140+64.55

PROP. CURVE PR.CH10-2  
 PI STA. = 147+48.44  
 $\Delta = 6^\circ 08' 35''$  (LT)  
 $D = 0^\circ 30' 00''$   
 $R = 11,460.00'$   
 $T = 614.93'$   
 $L = 1,228.68'$   
 $E = 16.49'$   
 $e = N.C.$   
 P.C. STA. = 141+33.51  
 P.T. STA. = 153+62.19



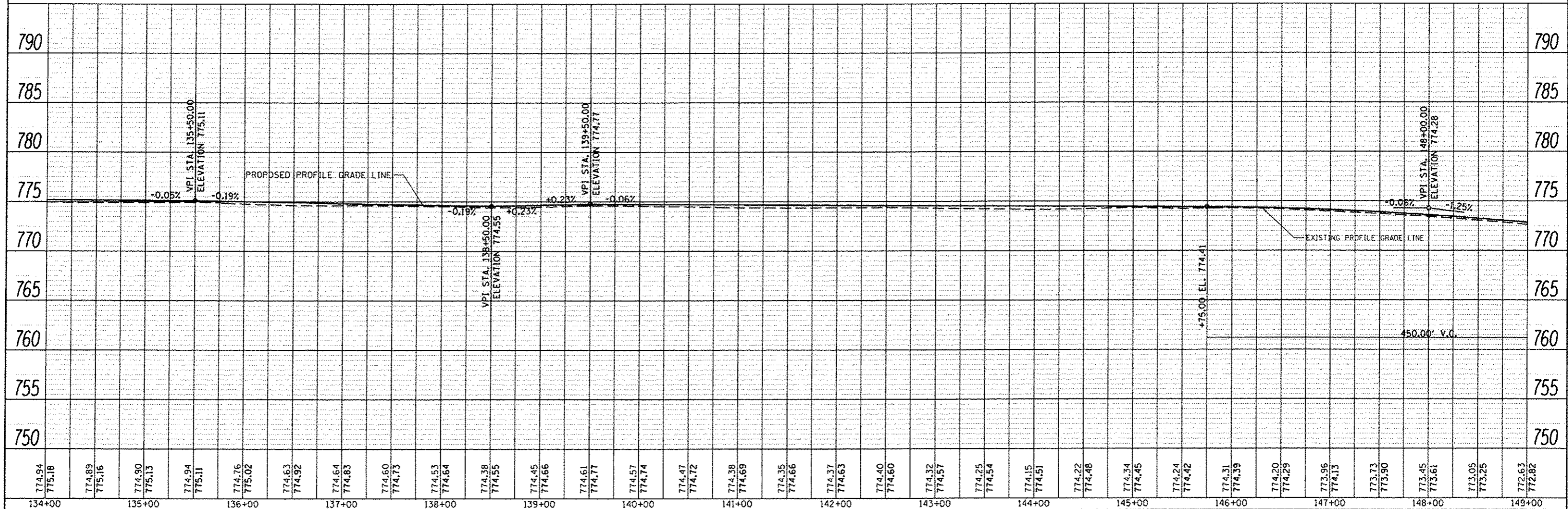
PLAN	DATE
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET

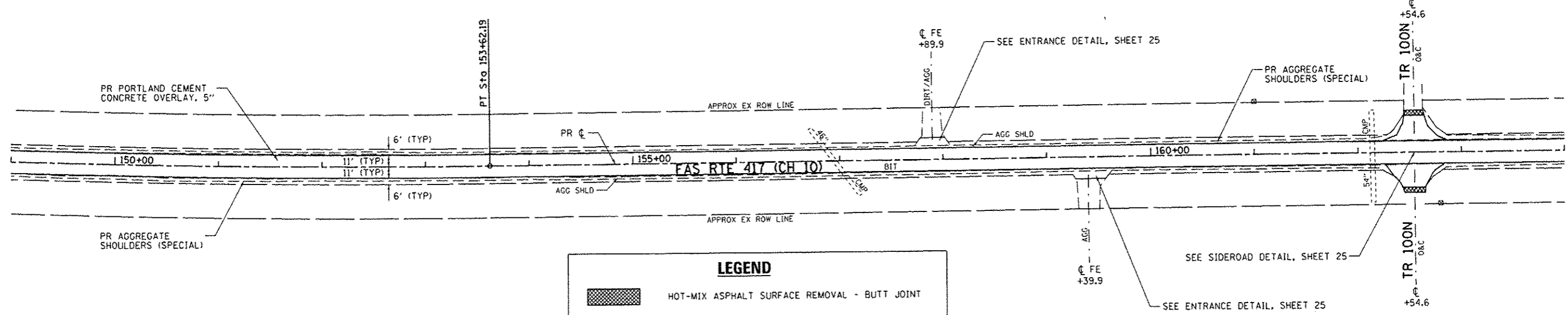
PROFILE	DATE
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	



FILE NAME =	USER NAME = Shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAS RTE 417 (CH 10) PLAN &amp; PROFILE</b>	F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 17		
W:\3258 - Henderson Cnty - CH 10 PCC Over	by - PH 2XCADD\CADD Sheets\10487689-shp-pln	DRAWN -	REVISED -			SCALE: H=50 V=5	SHEET 10 OF 15 SHEETS	STA. 134+00 TO STA. 149+00	CONTRACT NO. 89609			
SHT.PLNPROF	PLOT SCALE = 1/8" = 100'	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 4/23/2013	DATE -	REVISED -									



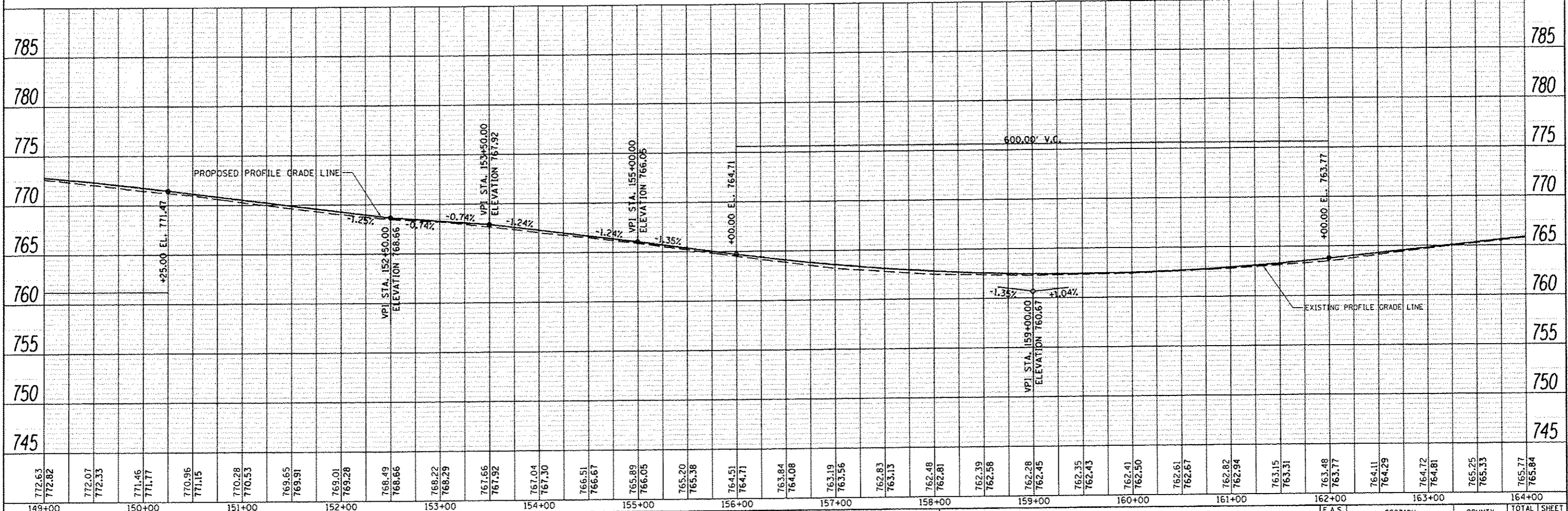
DATE	
BY	
NO.	
NO.	
NO.	
NO.	



**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL
	EROSION CONTROL BLANKET

DATE	
BY	
NO.	
NO.	
NO.	
NO.	



772.63	772.82	772.07	772.33	771.46	771.77	770.96	771.15	770.28	770.53	769.65	769.91	769.01	769.28	768.49	768.66	768.22	768.29	767.66	767.92	767.04	767.30	766.51	766.67	765.89	766.05	765.20	765.38	764.51	764.71	763.84	764.08	763.19	763.36	762.83	763.13	762.48	762.81	762.39	762.58	762.28	762.45	762.35	762.43	762.41	762.50	762.61	762.67	762.82	762.94	763.15	763.31	763.48	763.77	764.11	764.29	764.72	764.81	765.25	765.33	765.77	765.84
149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00	160+00	161+00	162+00	163+00	164+00																																														

FILE NAME \*  
 V:\3258 - Henderson Crty - CH 10 PCC Over  
 SHT\_PLNPROF

USER NAME \* Shughes  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAS RTE 417 (CH 10)  
 PLAN & PROFILE**

SCALE: H=50 V=5 SHEET 11 OF 15 SHEETS STA. 149+00 TO STA. 164+00

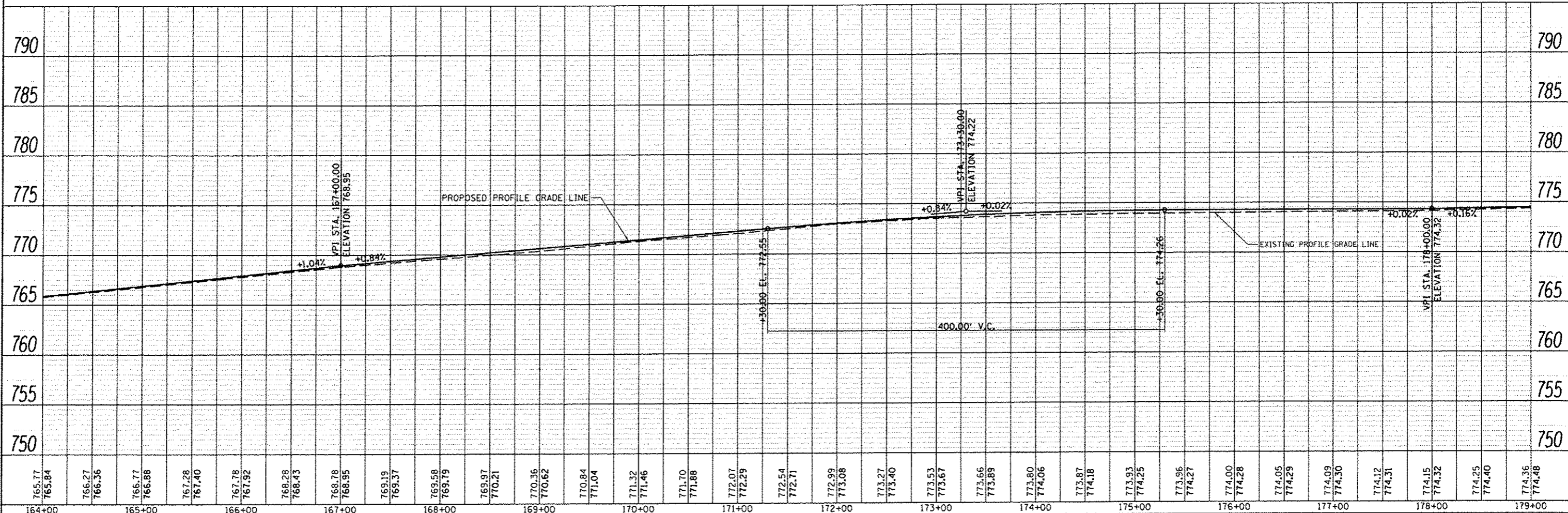
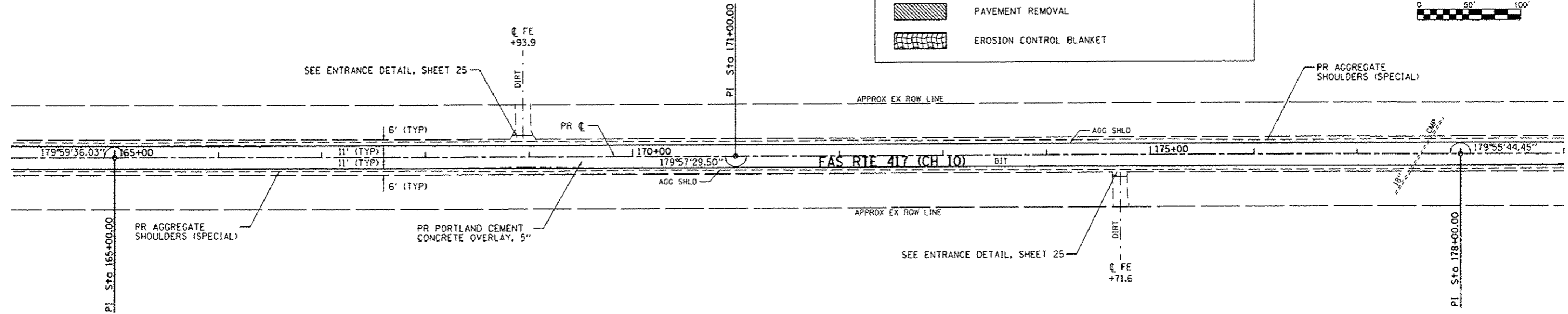
F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 18
CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	

DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	

**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



164+00	165+00	166+00	167+00	168+00	169+00	170+00	171+00	172+00	173+00	174+00	175+00	176+00	177+00	178+00	179+00																																														
765.77	765.84	766.27	766.36	766.77	766.88	767.28	767.40	767.78	767.92	768.28	768.43	768.78	768.95	769.19	769.37	769.58	769.79	769.97	770.21	770.36	770.62	770.84	771.04	771.32	771.46	771.70	771.88	772.07	772.29	772.54	772.71	772.99	773.08	773.27	773.40	773.53	773.67	773.66	773.89	773.80	774.06	773.87	774.18	773.93	774.25	773.96	774.27	774.00	774.28	774.05	774.29	774.09	774.30	774.12	774.31	774.15	774.32	774.25	774.40	774.36	774.48

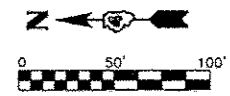
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 PLOT SCALE: 1/8" = 100.0000' / 1" = 1000.0000'  
 PLOT DATE: 4/23/2013

USER NAME: Shughes	DESIGNED -	REVISED -
PROJECT: PH 2\CADD\CADD Sheets\0489609-shp-plot.dwg	DRAWN -	REVISED -
PLOT SCALE: 1/8" = 100.0000' / 1" = 1000.0000'	CHECKED -	REVISED -
PLOT DATE: 4/23/2013	DATE -	REVISED -

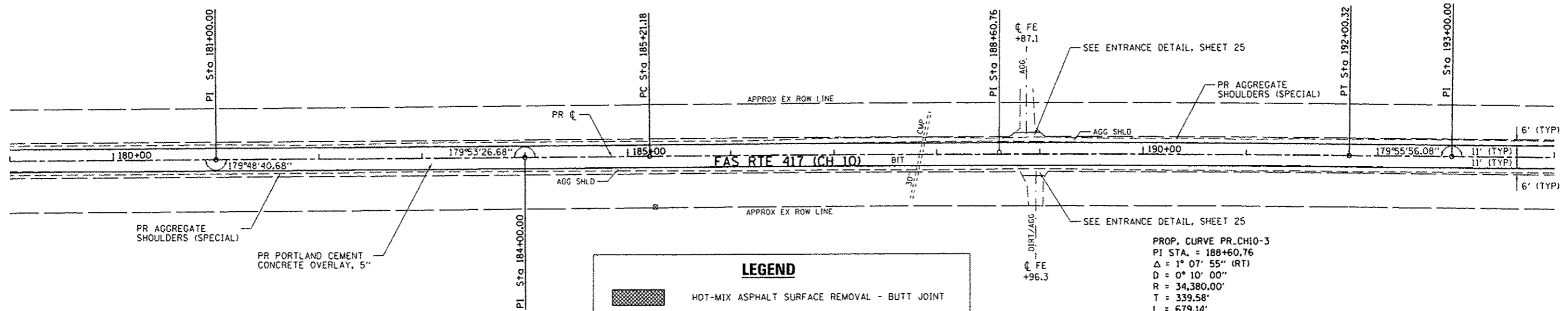
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FAS RTE 417 (CH 10)**  
**PLAN & PROFILE**  
 SCALE: H=50 V=5 SHEET 12 OF 15 SHEETS STA. 164+00 TO STA. 179+00

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 19
CONTRACT NO. 89609			ILLINOIS F.E.B. AID PROJECT	



DATE	
BY	
DESIGNED	
PLANNED	
NOTED	
CHECKED	
FILE NAME	
NO.	

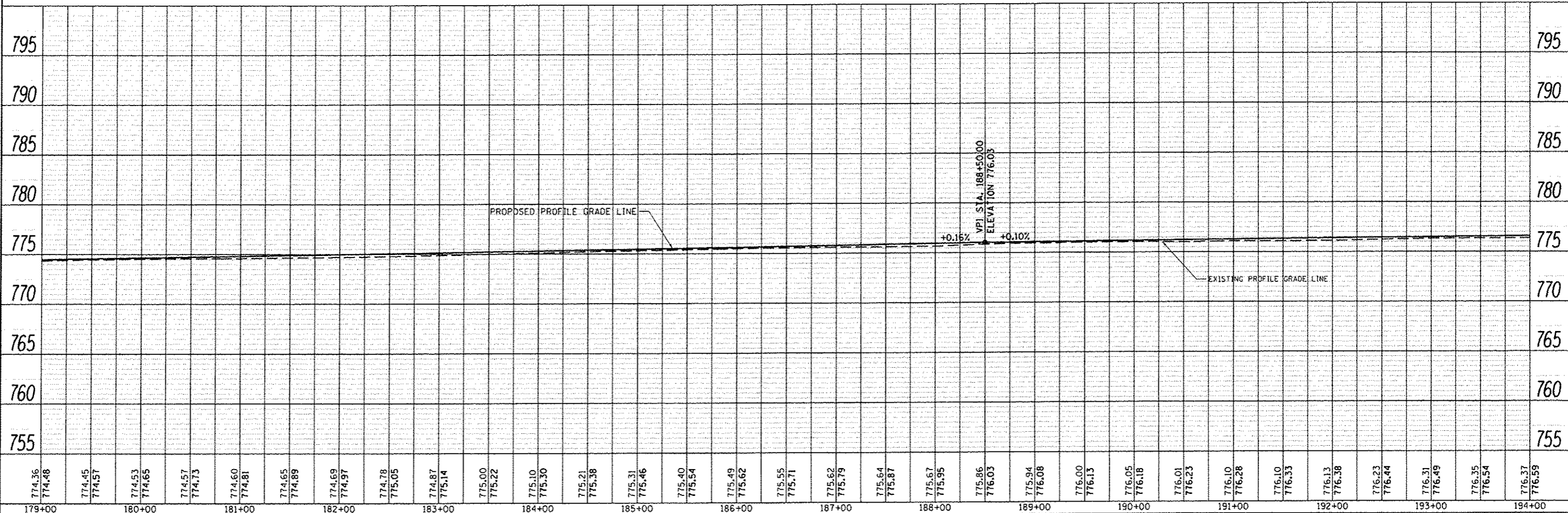


**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET

PROP. CURVE PR.CH10-3  
 PI STA. = 188+60.76  
 $\Delta = 1^\circ 07' 55''$  (RT)  
 $D = 0^\circ 10' 00''$   
 $R = 34,380.00'$   
 $T = 339.58'$   
 $L = 679.14'$   
 $E = 1.68'$   
 $e = N.C.$   
 P.C. STA. = 185+21.18  
 P.T. STA. = 192+00.32

DATE	
BY	
DESIGNED	
PLANNED	
NOTED	
CHECKED	
FILE NAME	
NO.	



179+00	180+00	181+00	182+00	183+00	184+00	185+00	186+00	187+00	188+00	189+00	190+00	191+00	192+00	193+00	194+00															
774.36 774.48	774.45 774.57	774.53 774.65	774.57 774.73	774.60 774.81	774.65 774.89	774.69 774.97	774.78 775.05	774.87 775.14	775.00 775.22	775.10 775.30	775.21 775.38	775.31 775.46	775.40 775.54	775.49 775.62	775.55 775.71	775.62 775.79	775.64 775.87	775.67 775.95	775.86 776.03	775.94 776.08	776.00 776.13	776.05 776.18	776.01 776.23	776.10 776.28	776.10 776.33	776.13 776.38	776.23 776.44	776.31 776.49	776.35 776.54	776.37 776.59

FILE NAME: V:\3258 - Henderson City - CH 10 PCC Overlay - PH 2\CADD\CADD Sheets\0489609-sht-pln.sht  
 SHT.PLNPROF

USER NAME: Shughes  
 DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DATE: 4/23/2013

DESIGNED: [Signature]  
 REVISIONS:  
 1. REVISIONS: [Signature]  
 2. REVISIONS: [Signature]  
 3. REVISIONS: [Signature]

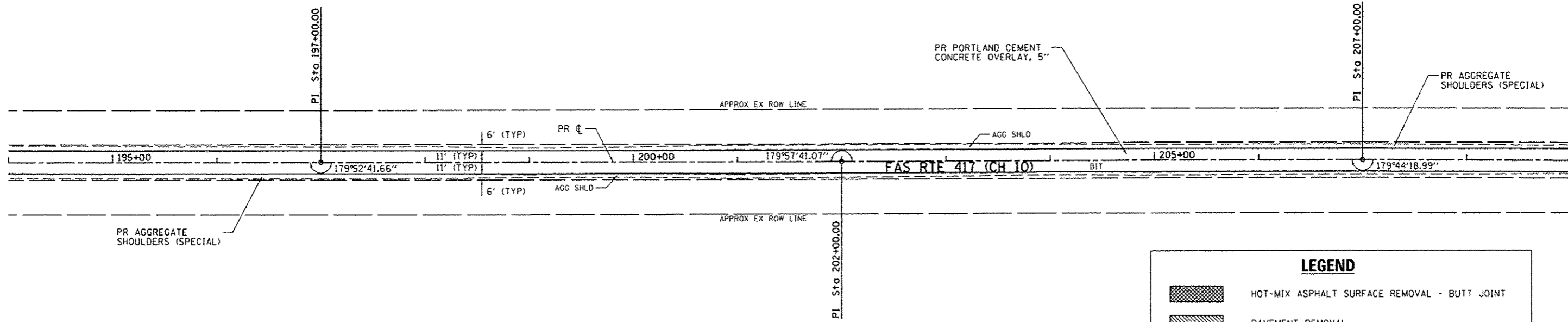
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
 PLAN & PROFILE  
 SCALE: H=50 V=5 SHEET 13 OF 15 SHEETS STA. 179+00 TO STA. 194+00

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 20
CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT	

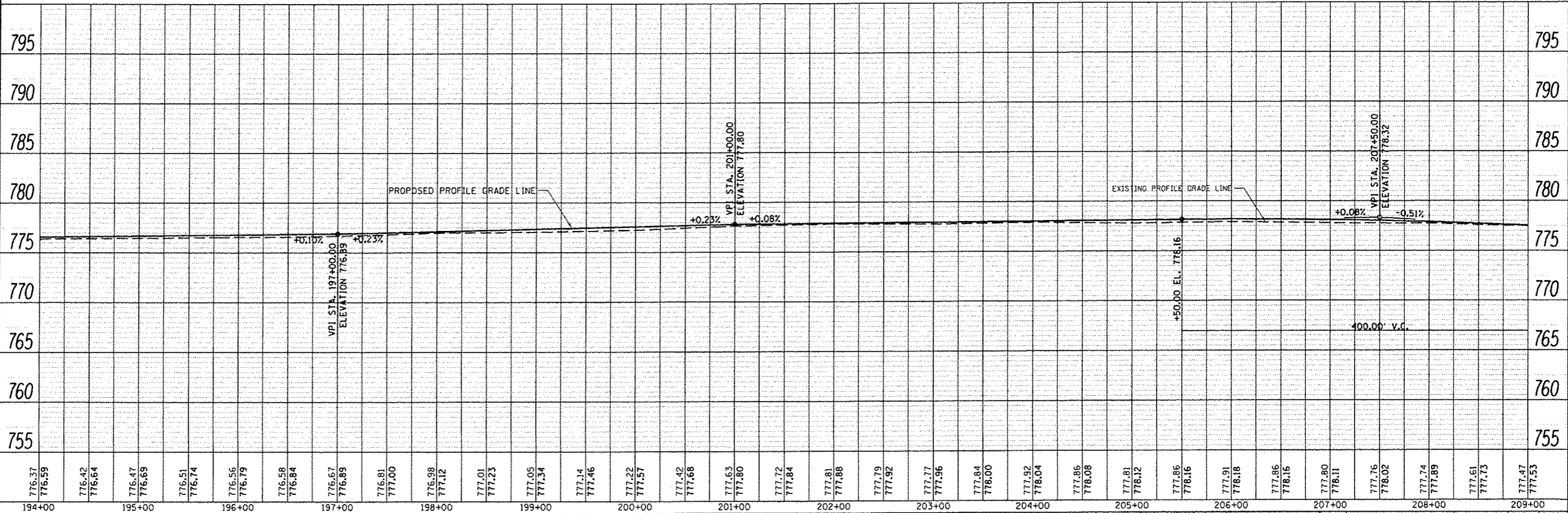
PLAN	DATE
NO. _____	_____
BY _____	_____
CHECKED _____	_____
DATE _____	_____

PROFILE	DATE
NO. _____	_____
BY _____	_____
CHECKED _____	_____
DATE _____	_____



**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL
	EROSION CONTROL BLANKET

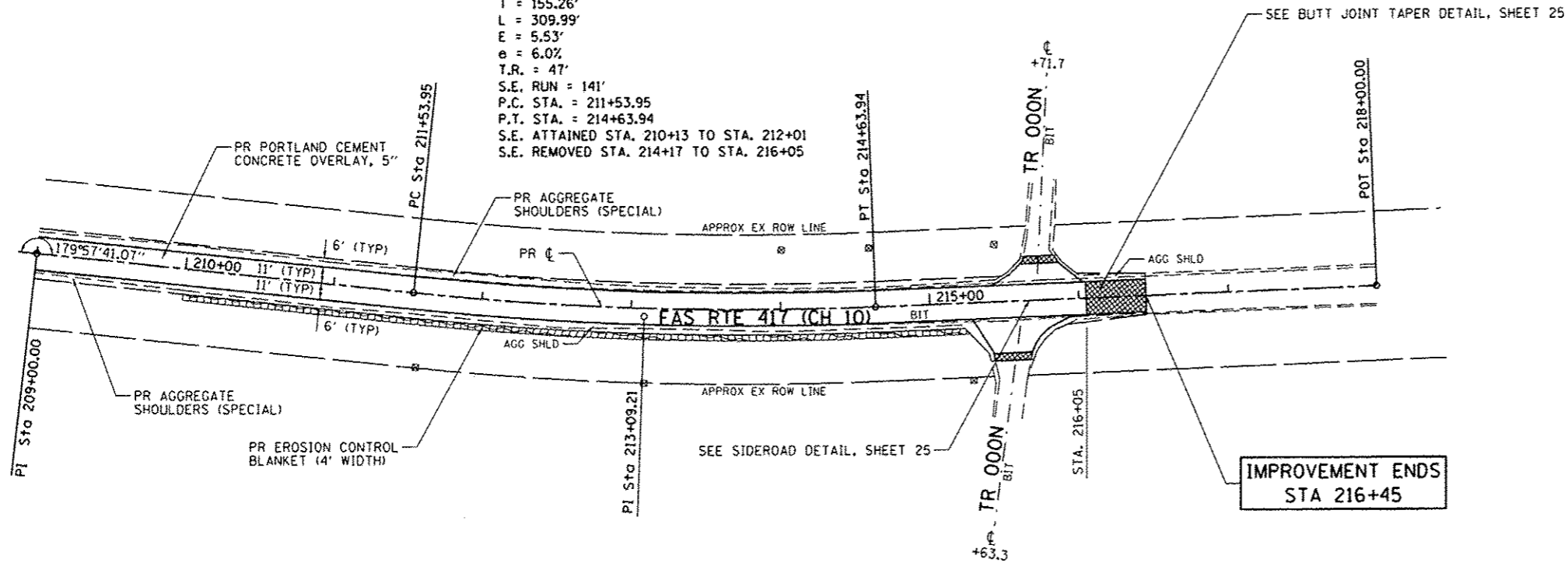


FILE NAME *	USER NAME * Skuggas	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAS RTE 417 (CH 10) PLAN &amp; PROFILE</b>	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\0258 - Henderson Cnty - CH 10 PCC Over	by - PH 2\CADD\CADD Sheets\0489609-ent-pln-	DRAWN -	REVISED -			417	10-00073-00-RS	HENDERSON	28	21
GHT_PLNPROF	PLOT SCALE * 1/80.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="5" style="text-align: center;">CONTRACT NO. 89609</td>	CHECKED -	REVISED -			CONTRACT NO. 89609				
	PLOT DATE * 4/23/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	DATE
REVISED	
PLOTTED	
NOTE BOOK	
NO.	

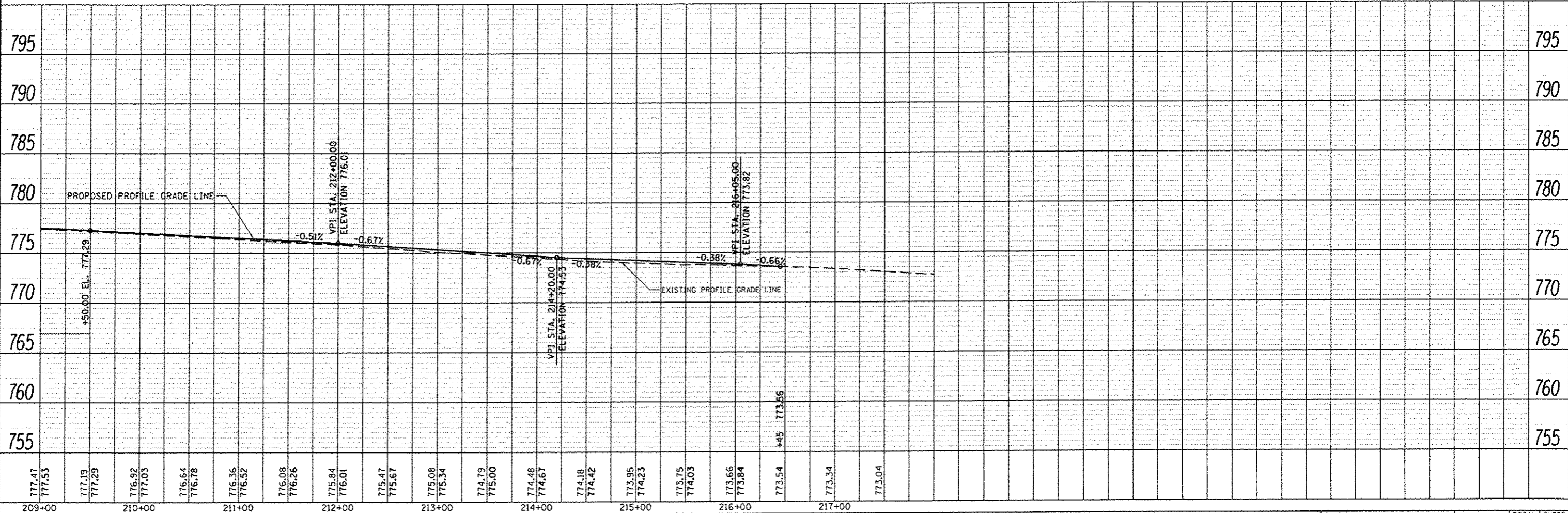
PROFILE	DATE
REVISED	
PLOTTED	
NOTE BOOK	
NO.	

PROP. CURVE PR.CH10-4  
 PI STA. = 213+09.21  
 $\Delta = 8^\circ 09' 58''$  (L.T.)  
 $D = 2^\circ 38' 03''$   
 $R = 2,175.00'$   
 $T = 155.26'$   
 $L = 309.99'$   
 $E = 5.53'$   
 $e = 6.0\%$   
 $T.R. = 47'$   
 $S.E. RUN = 141'$   
 $P.C. STA. = 211+53.95$   
 $P.T. STA. = 214+63.94$   
 $S.E. ATTAINED STA. 210+13 TO STA. 212+01$   
 $S.E. REMOVED STA. 214+17 TO STA. 216+05$

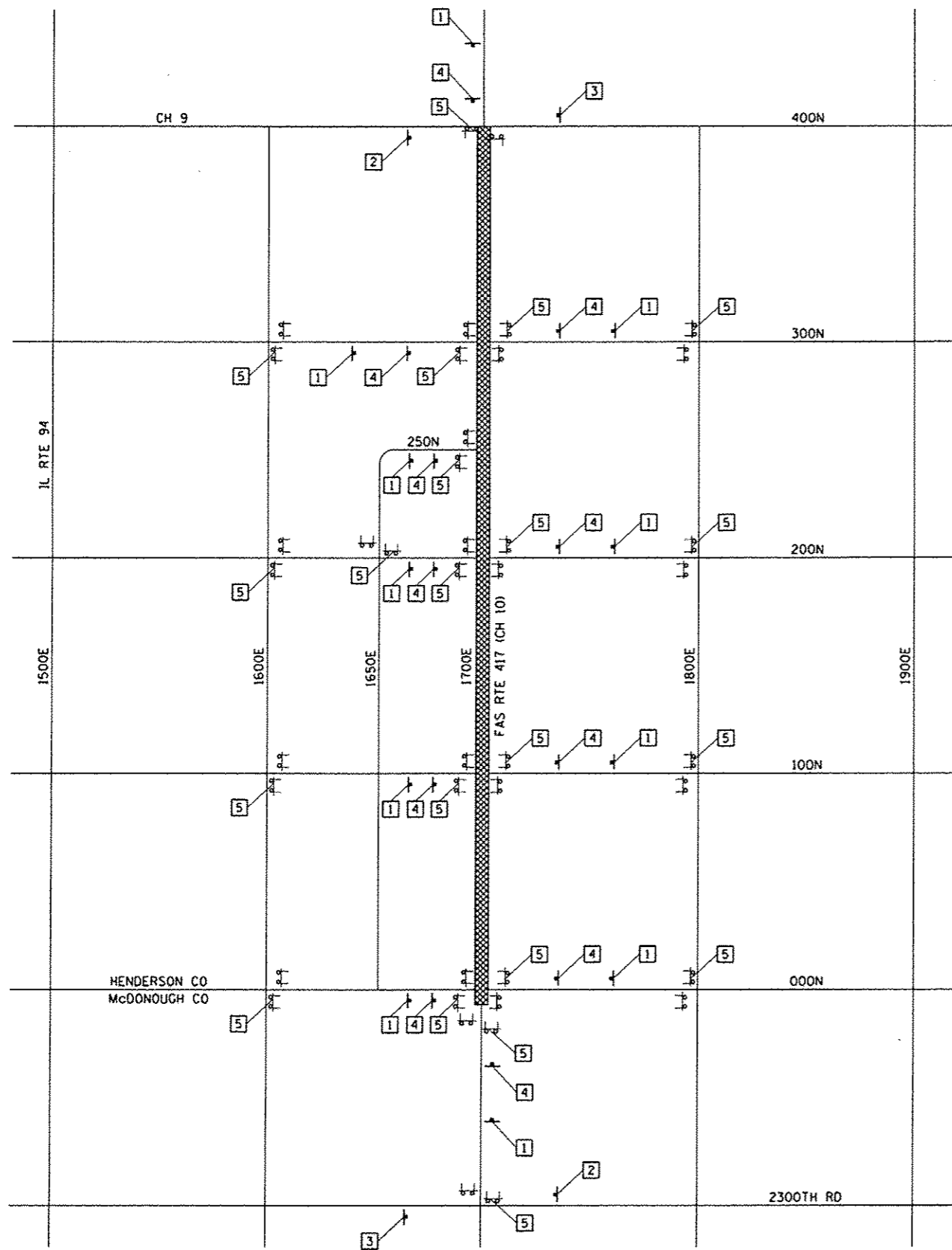


**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- EROSION CONTROL BLANKET



FILE NAME *	USER NAME * Shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAS RTE 417 (CH 10) PLAN &amp; PROFILE</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\3258 - Henderson Cnty - CH 10 PCC Overlay - PH 2\CADD\CADD Sheets\0489689-sht-pln	DRN	REVISED -	REVISED -			417	10-00073-00-RS	HENDERSON	28	22
PLOT SCALE = 1/8" = 100'	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 89609				
PLOT DATE = 4/23/2013	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				



**LEGEND**

- T — POST MOUNTED SIGN
- T — TYPE III BARRICADE
- ▨ ROAD CLOSURE LOCATION

**SIGN KEY**

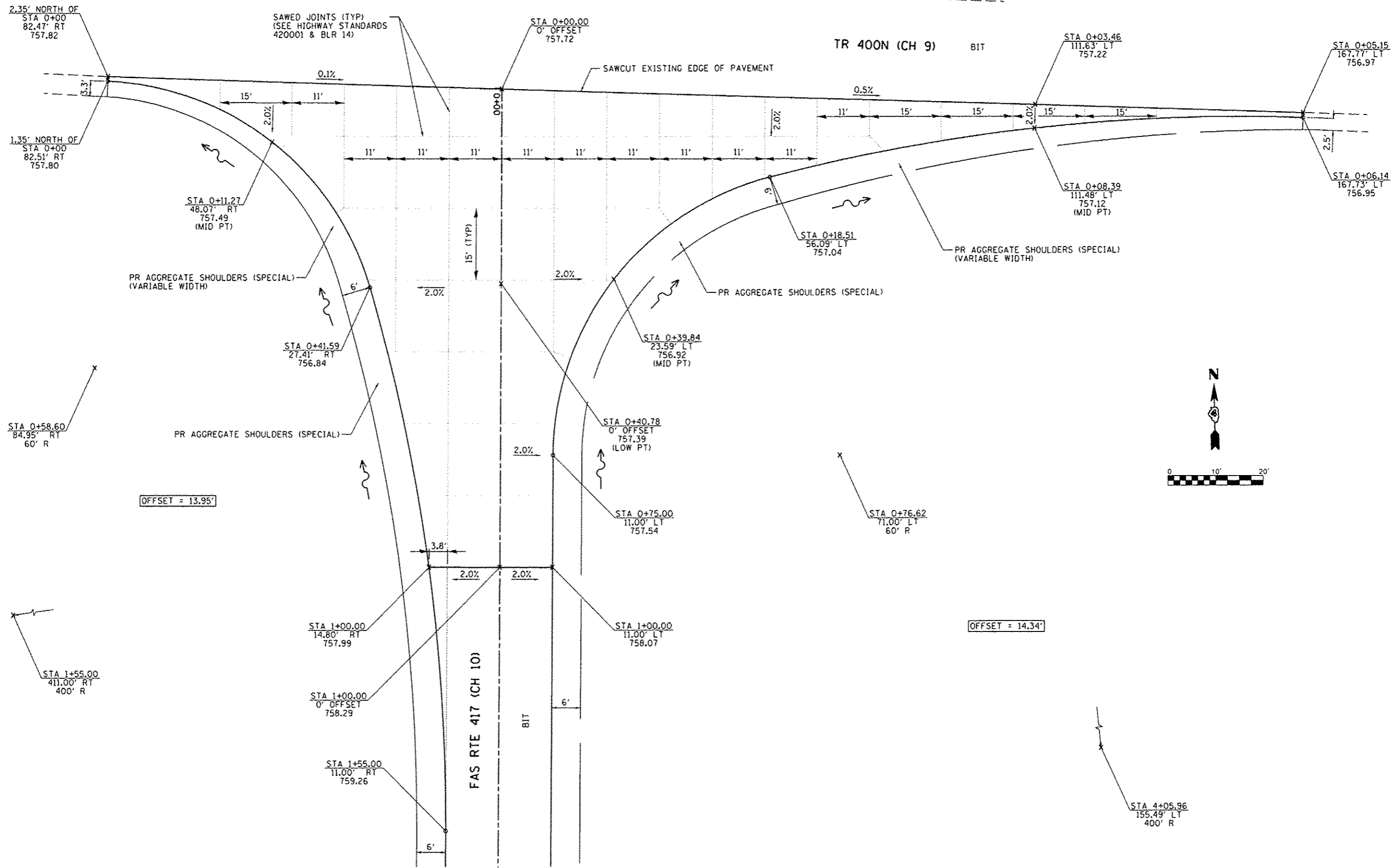
- 1
- 2
- 3
- 4
- 5

**NOTES**

TRAFFIC CONTROL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".  
 DISTANCE BETWEEN ALL ADVANCE WARNING SIGNS SHOULD BE 500' PER THE LATEST EDITION OF MUTCD OR APPLICABLE HIGHWAY STANDARD.  
 ALSO SEE IDOT HIGHWAY STANDARDS BLR 21-9 & BLR 22-7.



FILE NAME =	USER NAME = S.Hughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL PLAN</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V:\3250 - Henderson Cnty - CH 10 PCC Overlay - PH 2\VCADD\CADD Sheets\1489609-sht-1.dwg	DRAWN -	REVISED -	REVISED -		417	10-00073-00-RS	HENDERSON	28	23			
PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 89609			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/12/2013	DATE -	REVISED -	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A				



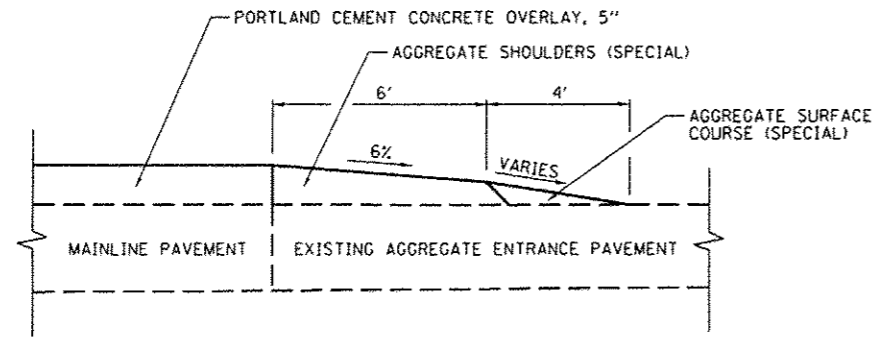
FILE NAME *	USER NAME * Shughes	DESIGNED -	REVISED -
Y:\3258 - Henderson Cnty - CH 10 PCC Over	ey - PH 2\CAD\CDADO Sheets\04896B9-shr-int-	DRAWN -	REVISED -
SHT_PLNPROF	PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/23/2013	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TR 400N (CH 9) AND FAS RTE 417 (CH 10) INTERSECTION DETAIL</b>			
SCALE: 1"=10'	SHEET 1	OF 1 SHEETS	STA. N/A TO STA. N/A

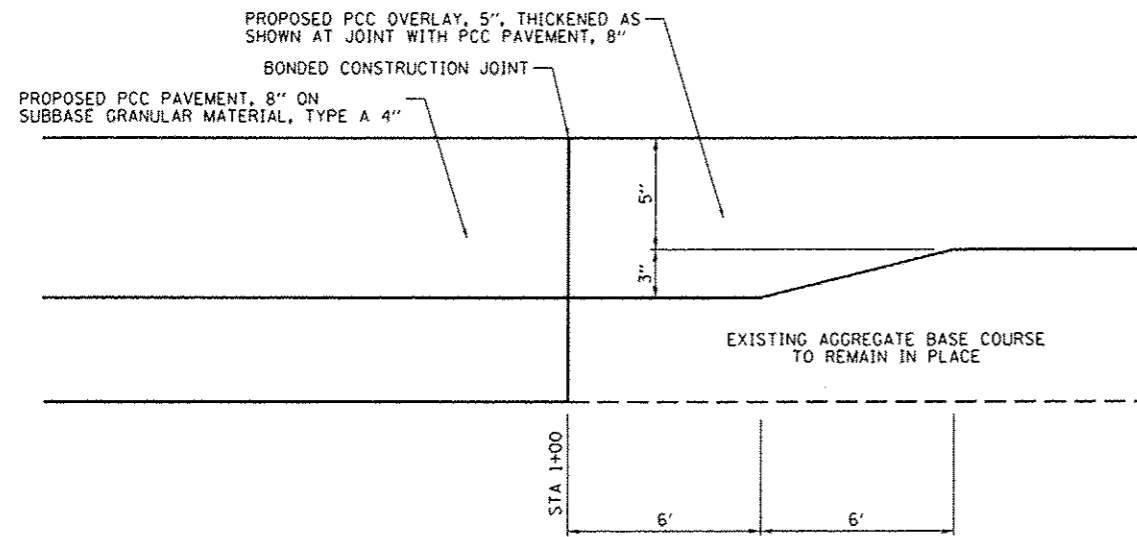
F.A.S. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	10-00073-00-RS	HENDERSON	28	24
CONTRACT NO. 89609				
ILLINOIS FED. AID PROJECT				





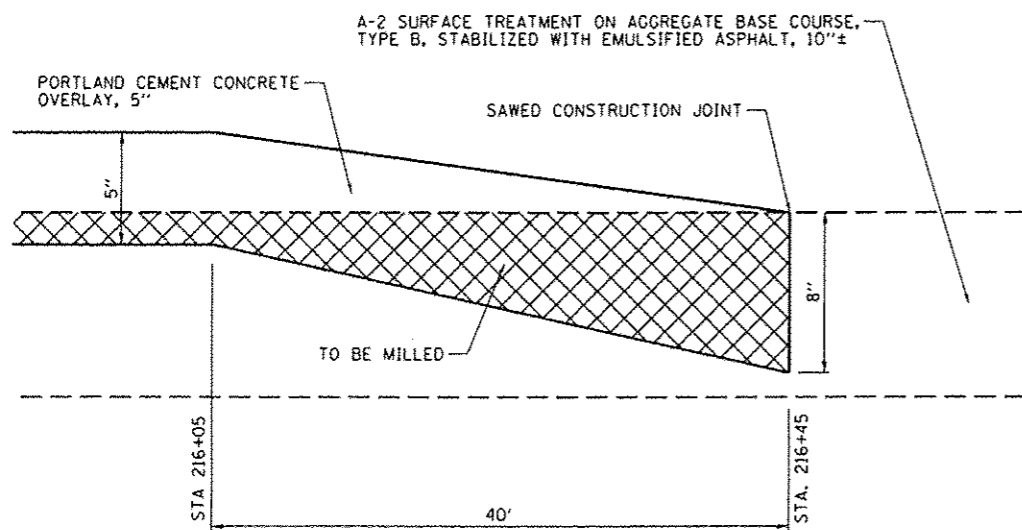
**ENTRANCE DETAIL**

(WIDTH OF PROPOSED ENTRANCE TO BE CONSTRUCTED TO THE SAME WIDTH AS EXISTING.)



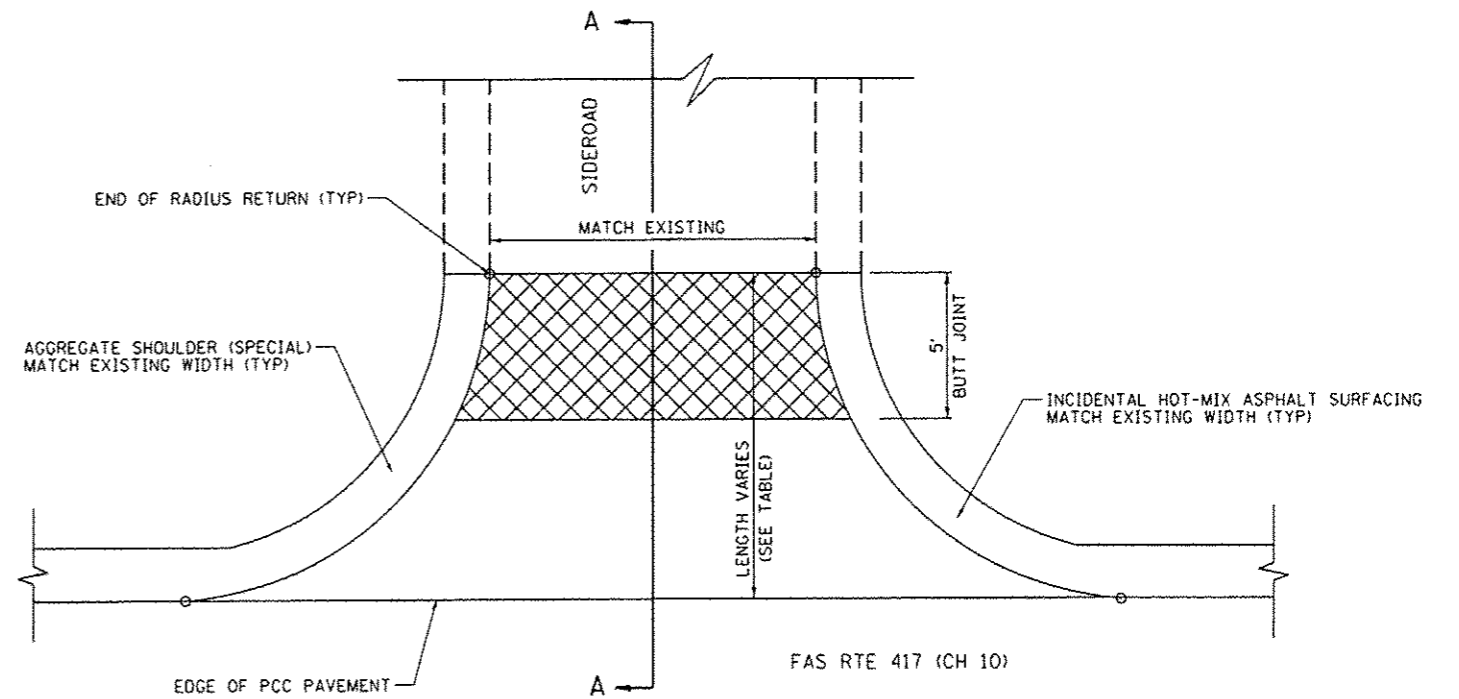
**JOINT DETAIL**

(STA 1+00)

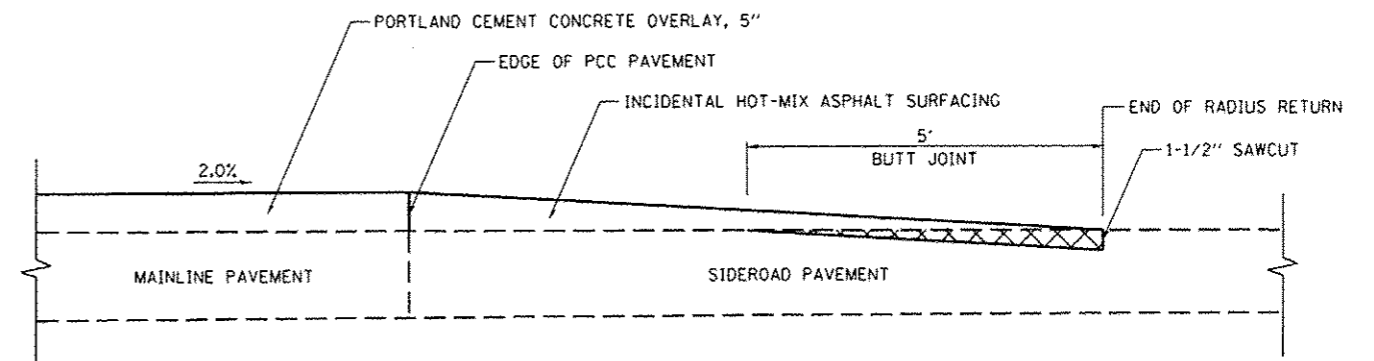


**BUTT JOINT TAPER DETAIL**

(STA 216+05 TO STA 216+45)



**PLAN**



**SECTION A-A**

TABLE		
SIDEROAD	SIDE	LENGTH (FOOT)
300N	LT	22.3
300N	RT	29.7
250N	RT	11.8
200N	LT	23.4
200N	RT	26.4
100N	LT	29.4
100N	RT	27.7
000N	LT	18.6
000N	RT	28.5

**SIDEROAD DETAIL**

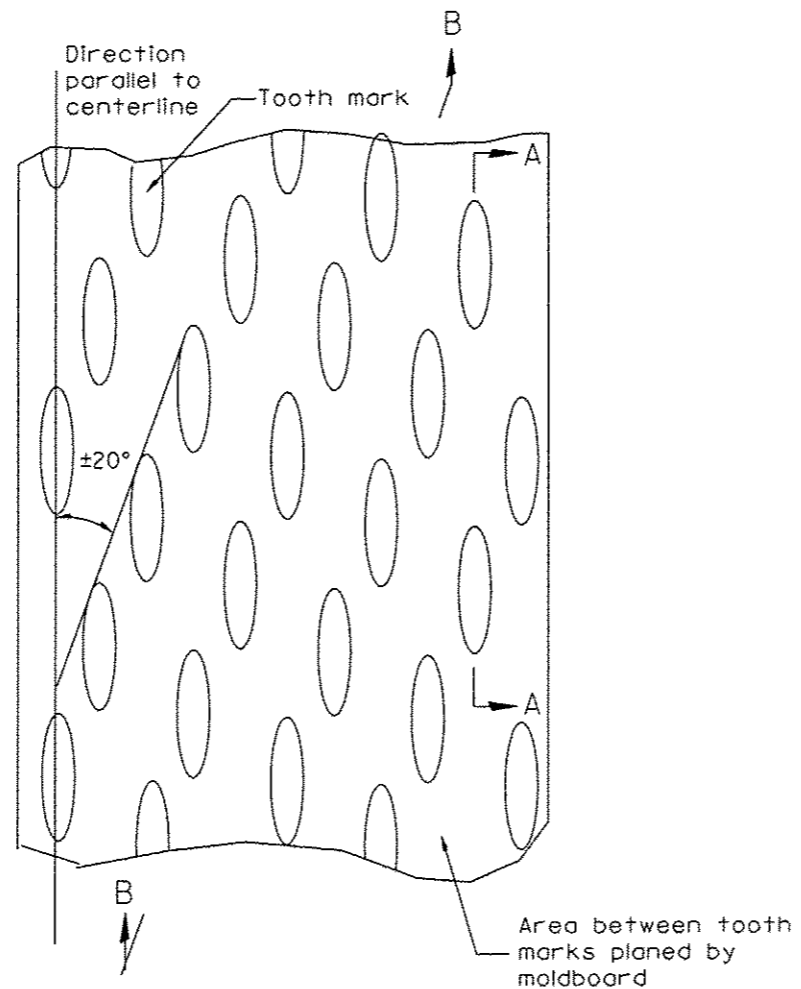
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VA3258 - Henderson Crty - CH 1B PCC Overlay - Pk 2\CAD\NCAD0 Sheets\0489609-shd-d	DRAWN - SRH	CHECKED - WSL	REVISED -
	PLLOT SCALE = 2.000' / in.	DATE - 2/28/2013	REVISED -
	PLLOT DATE = 4/24/2013		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAS RTE 417 (CH 10)  
DETAILS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

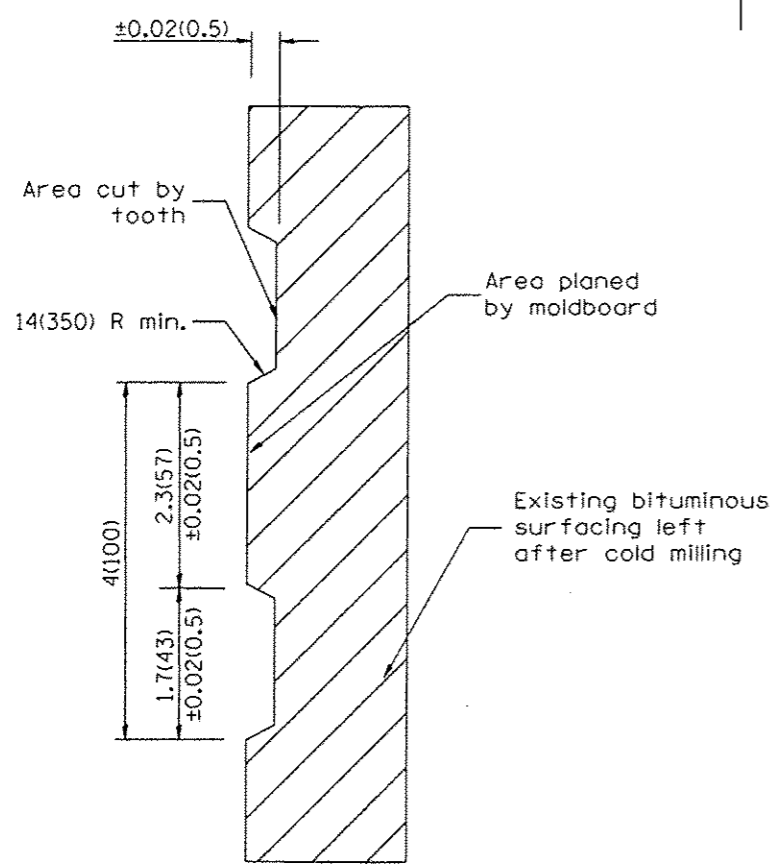
F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 25
CONTRACT NO. 89609				
ILLINOIS FED. AID PROJECT				



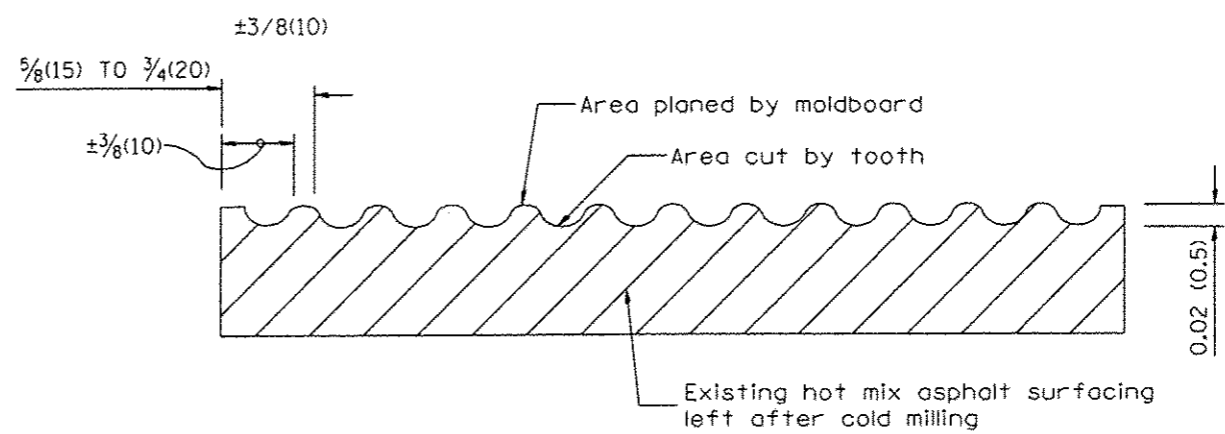
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



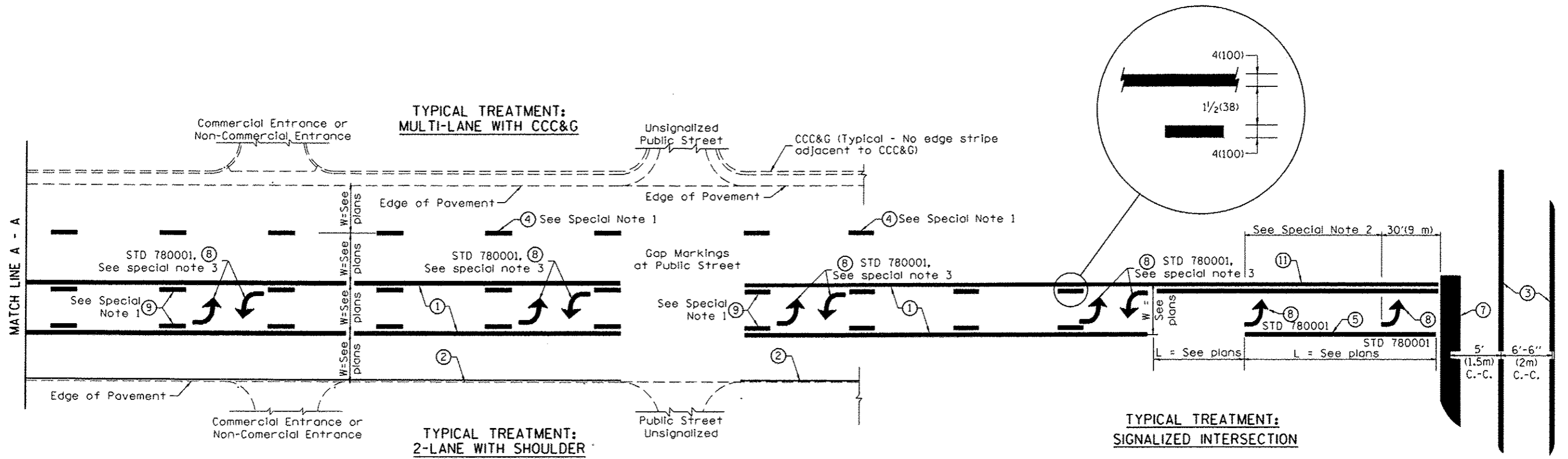
SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

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

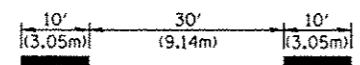
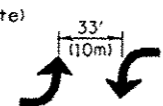
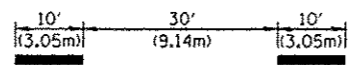
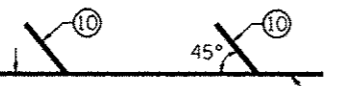
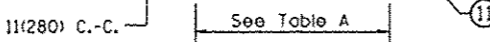
01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.			<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.					417	10-00073-00-RS	HENDERSON	28	26	
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.					CONTRACT NO. 89609					
10-16-06	REVISED TO 2007 SPEC.	M.A.					CADD STD. 440001-04					
							NOT TO SCALE		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White)  
 (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows  
 (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow)  
 (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)  

- ⑪ 4(100) Double Solid (Yellow)  


**SPECIAL NOTES**

- 1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- 2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
- 3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

- 1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- 2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.			
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DIMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS**  
DEPARTMENT OF TRANSPORTATION

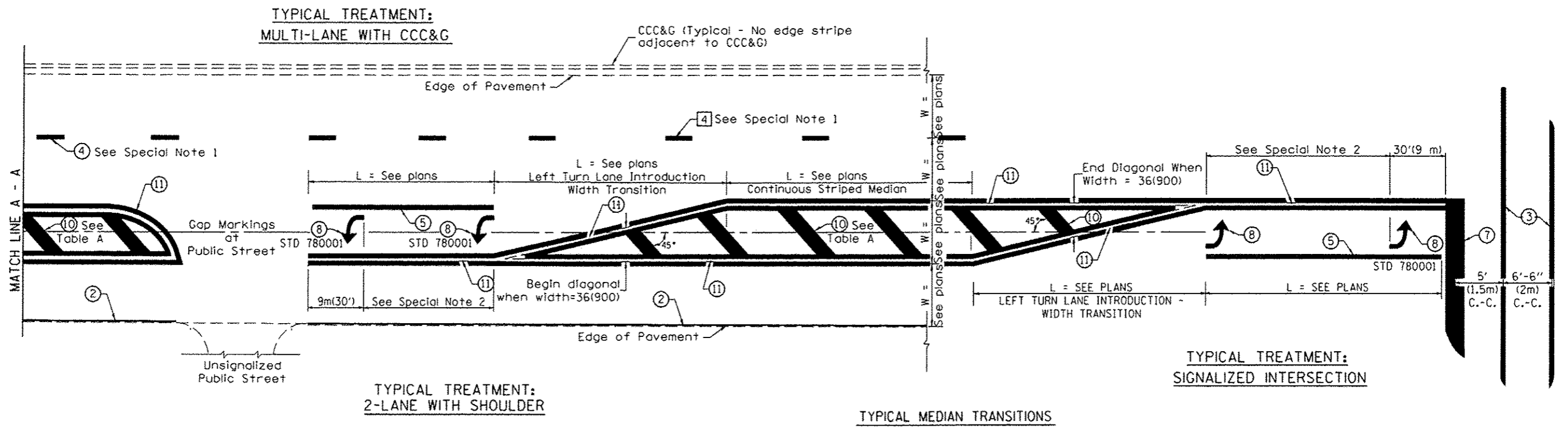
**TYPICAL PAVEMENT MARKINGS**

NOT TO SCALE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
417	10-00073-00-RS	HENDERSON	28	27

SHT. 1 OF 2  
CADD STD. 780001-04

CONTRACT NO. 89609  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



TYPICAL TREATMENT:  
2-LANE WITH SHOULDER

TYPICAL MEDIAN TRANSITIONS

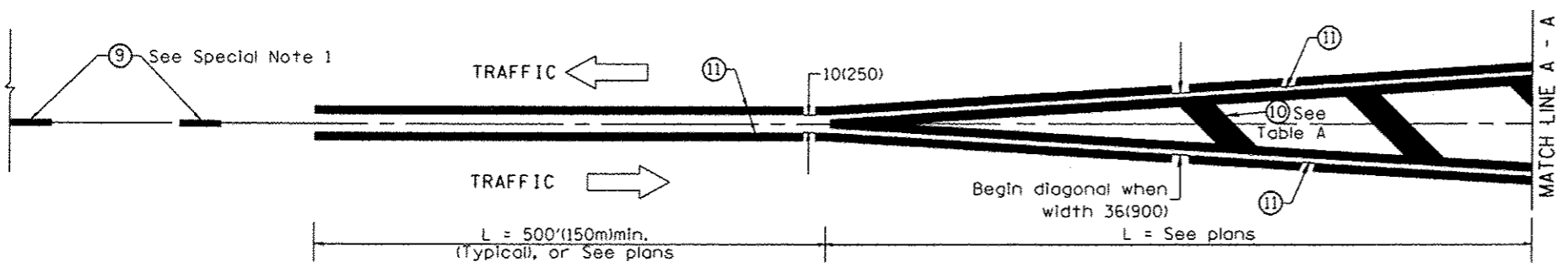
TYPICAL TREATMENT:  
SIGNALIZED INTERSECTION

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

F.A.S. RTE. 417	SECTION 10-00073-00-RS	COUNTY HENDERSON	TOTAL SHEETS 28	SHEET NO. 28
CONTRACT NO. 89609				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SHT. 2 OF 2  
CADD STD. 780001-D4