



**APPENDIX G
SYSTEM ALTERNATIVE I GEOMETRICS**

(RECOMMENDED ALTERNATIVE)

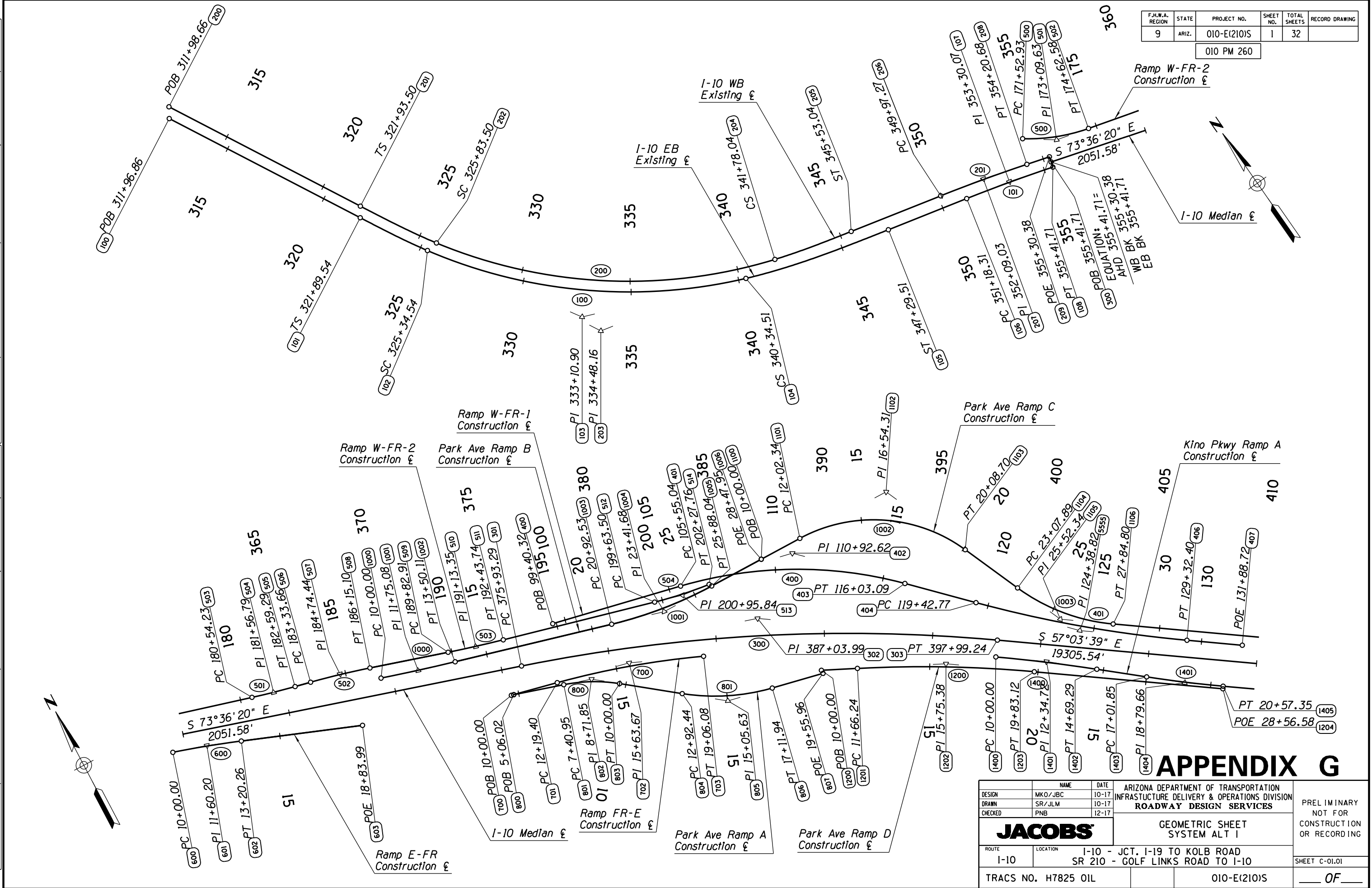


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SURVEY NO. FINISHED PLANS. DATE- REVISIONS- FINISHED PLANS. DATE- SURVEY NO. FINISHED PLANS. DATE- REVISIONS- FINISHED PLANS. DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	1	32	

010 PM 260

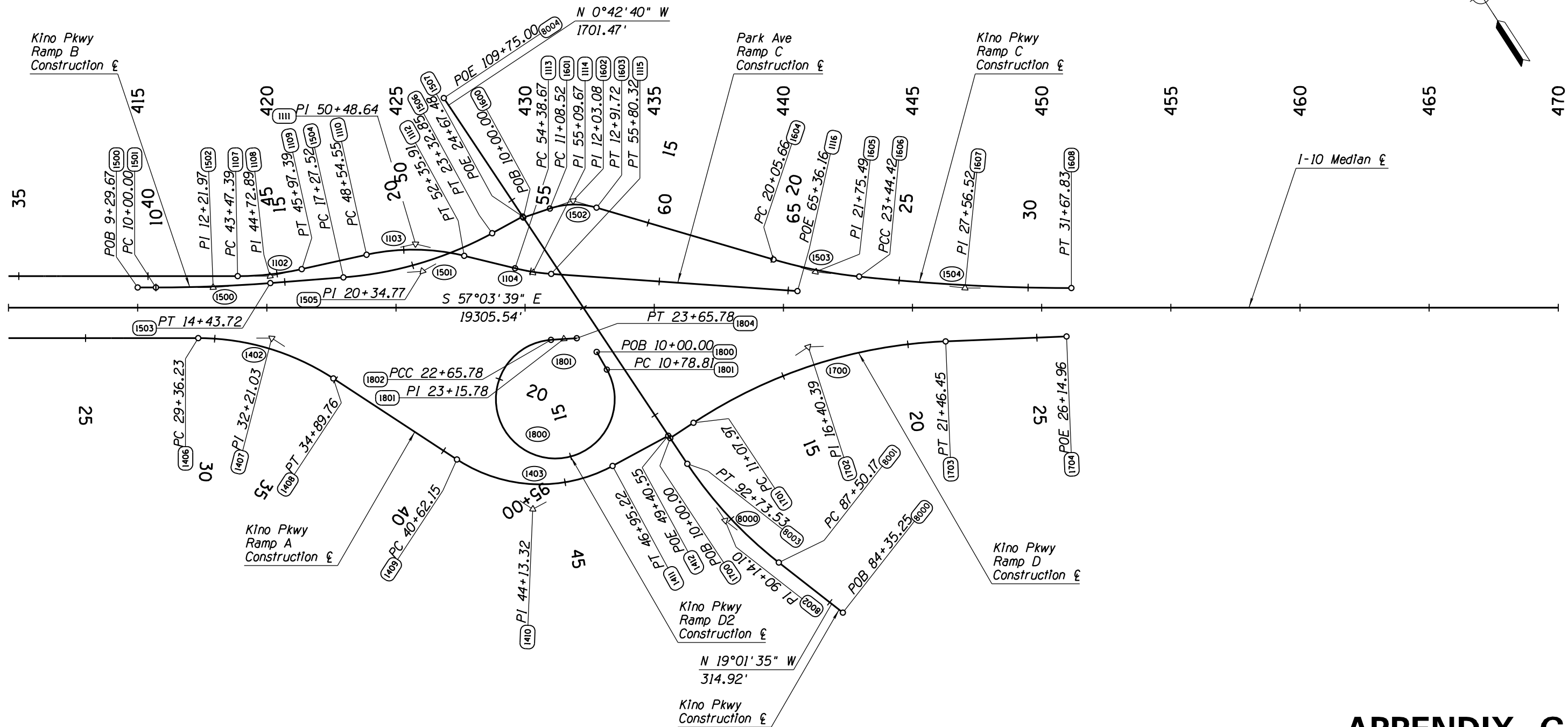
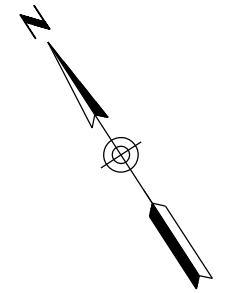


APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		GEOMETRIC SHEET SYSTEM ALT I			
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET C-01.01	
TRACS NO.	H7825 OIL	010-E(210)S		OF	

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	2	32	

010 PM 260



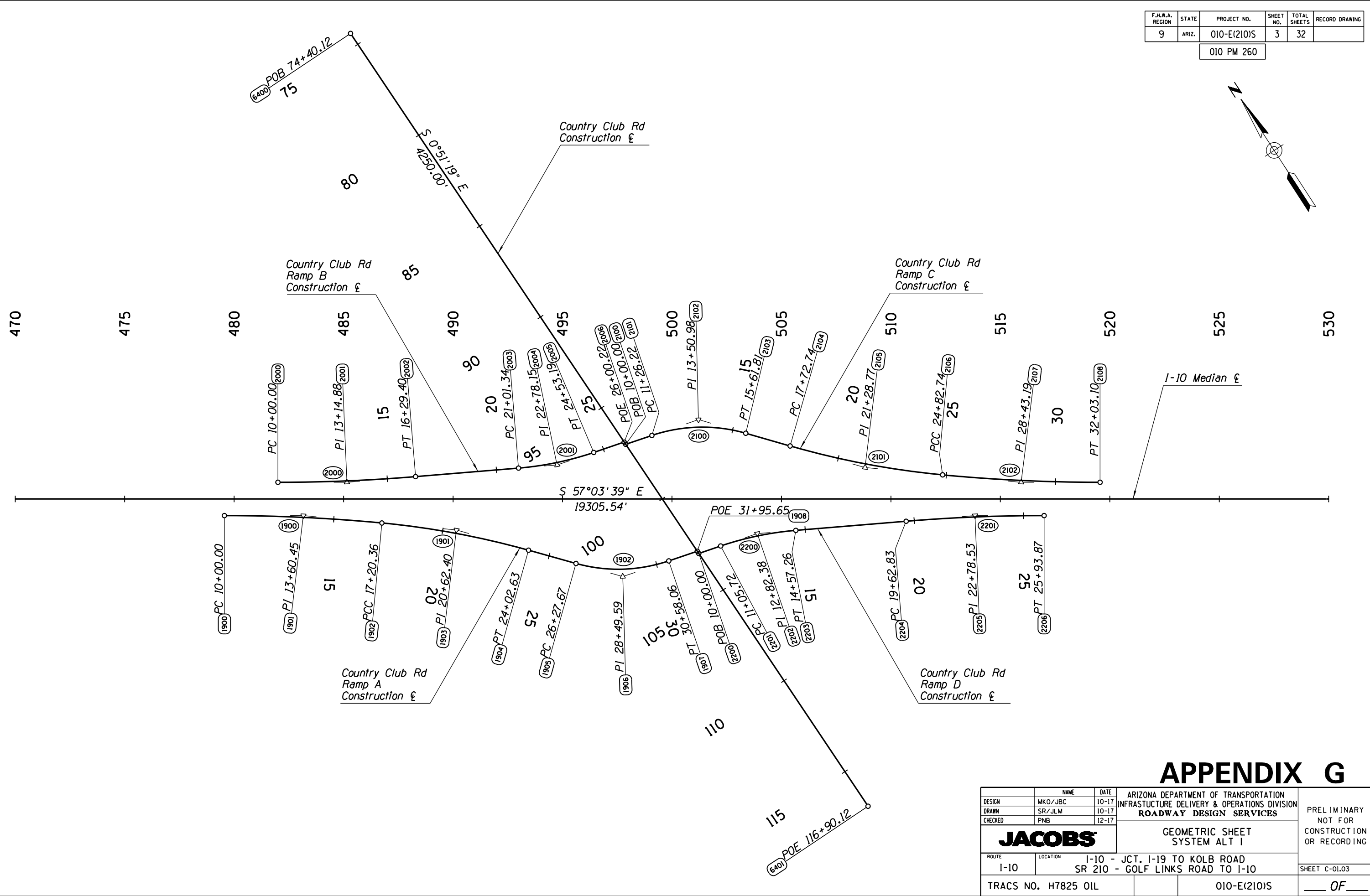
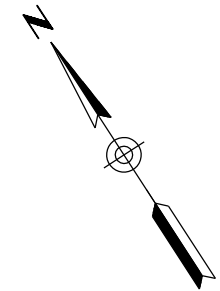
APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.02
TRACS NO. H7825 01L		010-E(210)S		OF

SURVEY NO. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	3	32	

010 PM 260



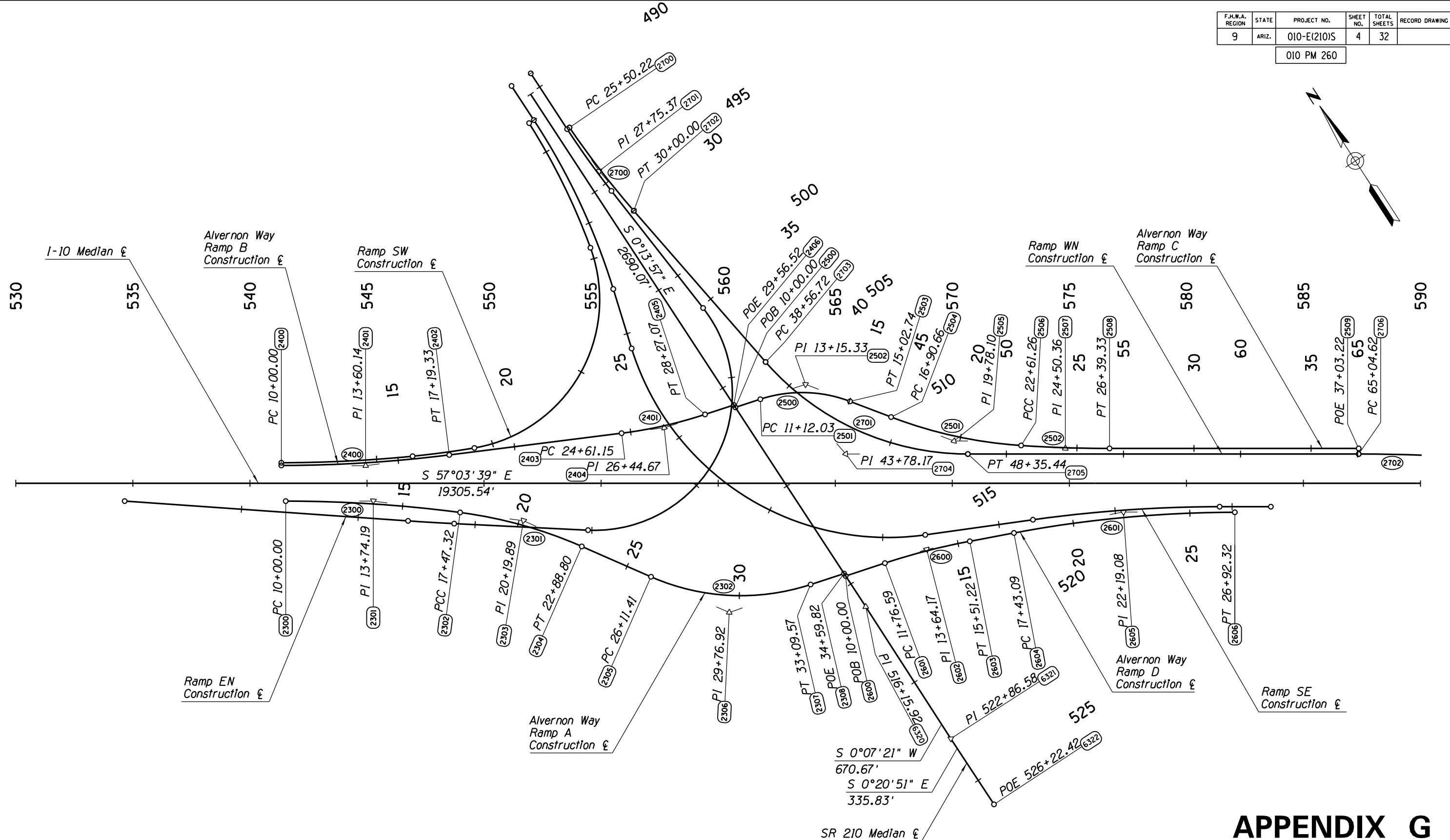
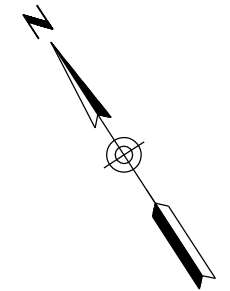
APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		GEOMETRIC SHEET SYSTEM ALT I			
ROUTE	I-10	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.03
TRACS NO.	H7825 OIL		010-E(210)S		OF

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE FINISHED PLANS SURVEY NO. REVISIONS LOCATION DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	4	32	

010 PM 260



NOTE:
See following sheet for additional alignment data.

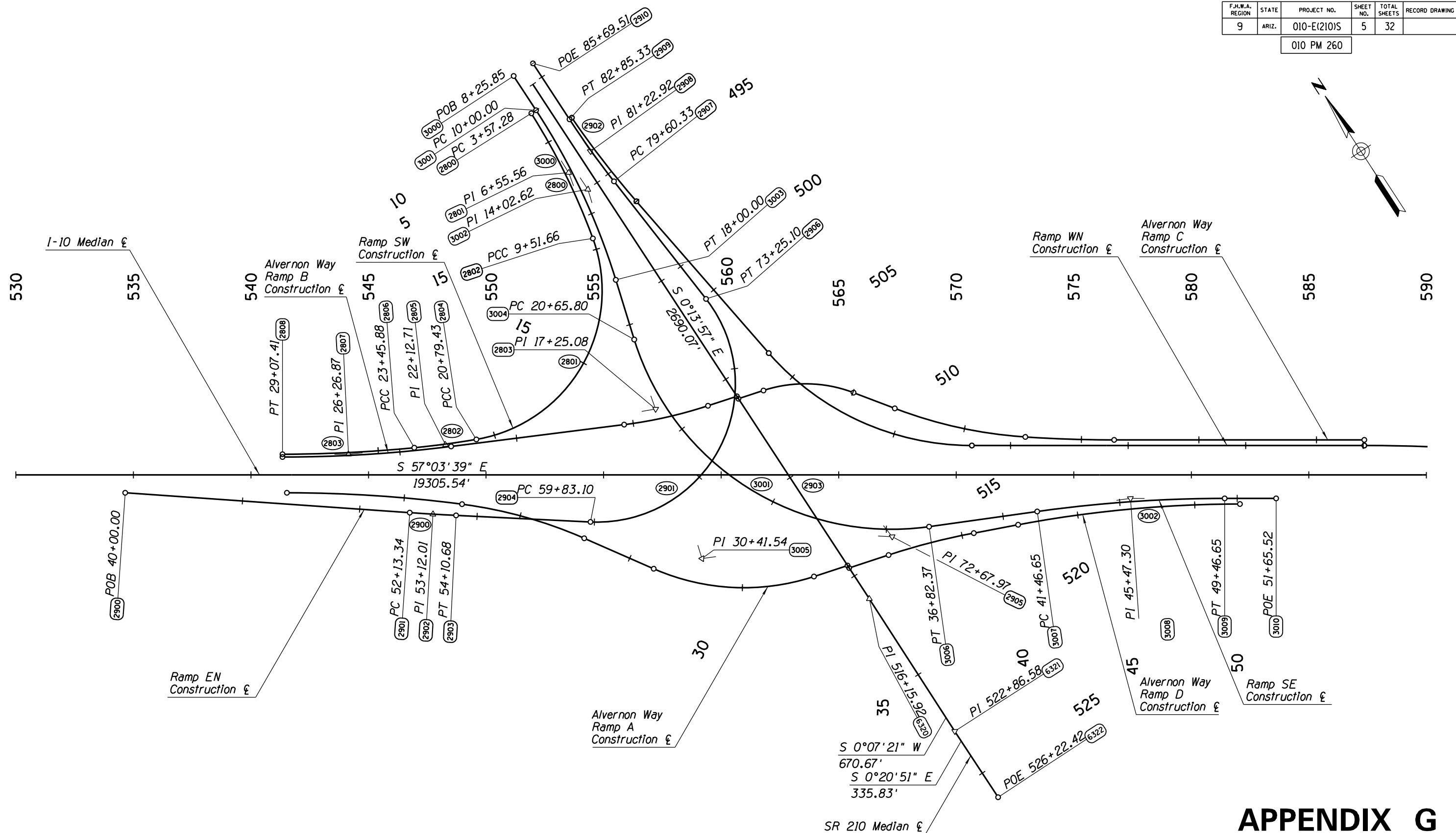
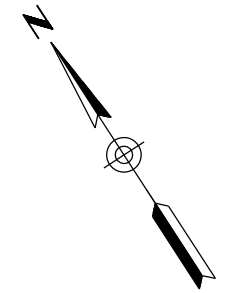
APPENDIX G

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION		PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DESIGN	MKO/JBC	10-17	ROADWAY DESIGN SERVICES		
DRAWN	SR/JLM	10-17			
CHECKED	PNB	12-17	JACOBS GEOMETRIC SHEET SYSTEM ALT I		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.04
TRACS NO. H7825 OIL		010-E(210)S			OF

SURVEY NO. FINISHED PLANS. DATE. REVISIONS. LOCATION. DATE. REVISIONS. FINISHED PLANS. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	5	32	

010 PM 260



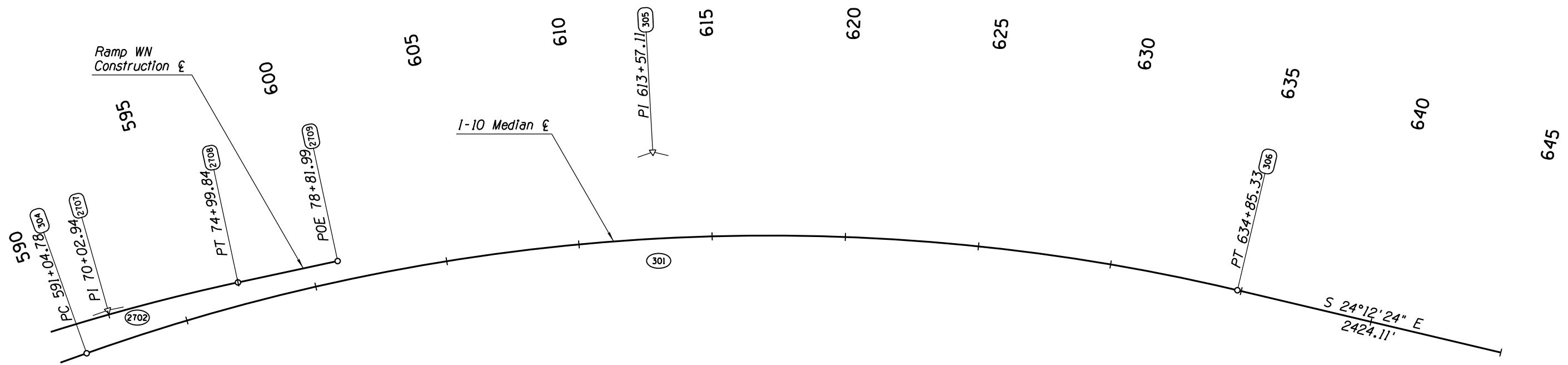
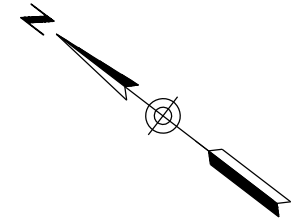
APPENDIX G

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES		PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17	JACOBS GEOMETRIC SHEET SYSTEM ALT I		
CHECKED	PNB	12-17			
ROUTE		LOCATION		SHEET	
I-10		I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		C-01.05	
TRACS NO. H7825 OIL			010-E(210)S		OF

SURVEY NO. FINISHED PLANS. DATE. REVISIONS. LOCATION. DATE. FINISHED PLANS. SURVEY NO.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	6	32	

010 PM 260



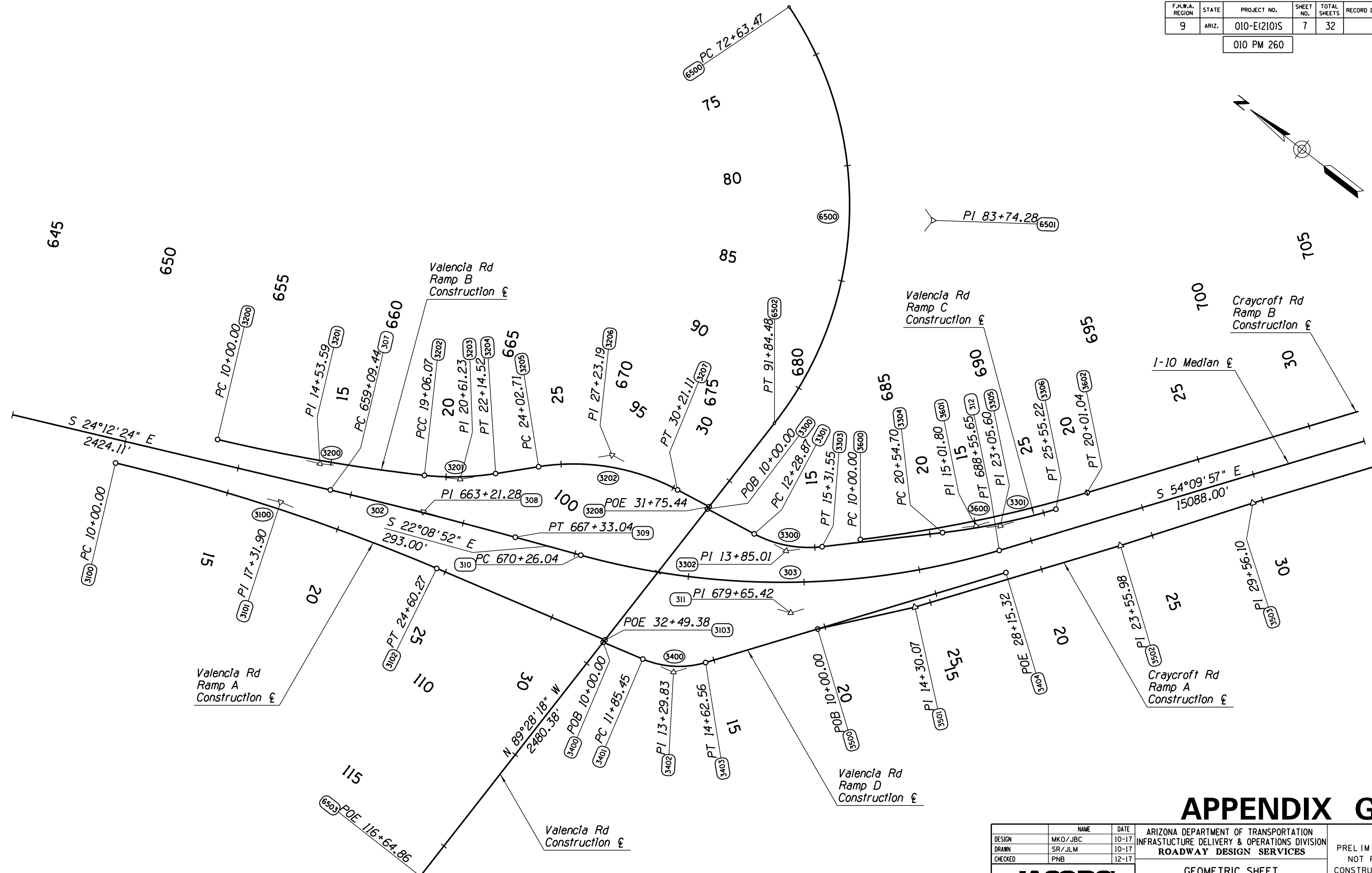
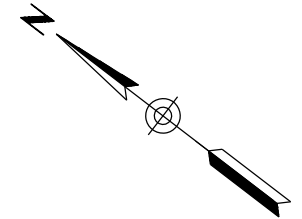
APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.06
	SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO. H7825 01L			010-E(210)S	OF

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE FINISHED PLANS SURVEY NO. DATE REVISIONS LOCATION DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	7	32	

010 PM 260



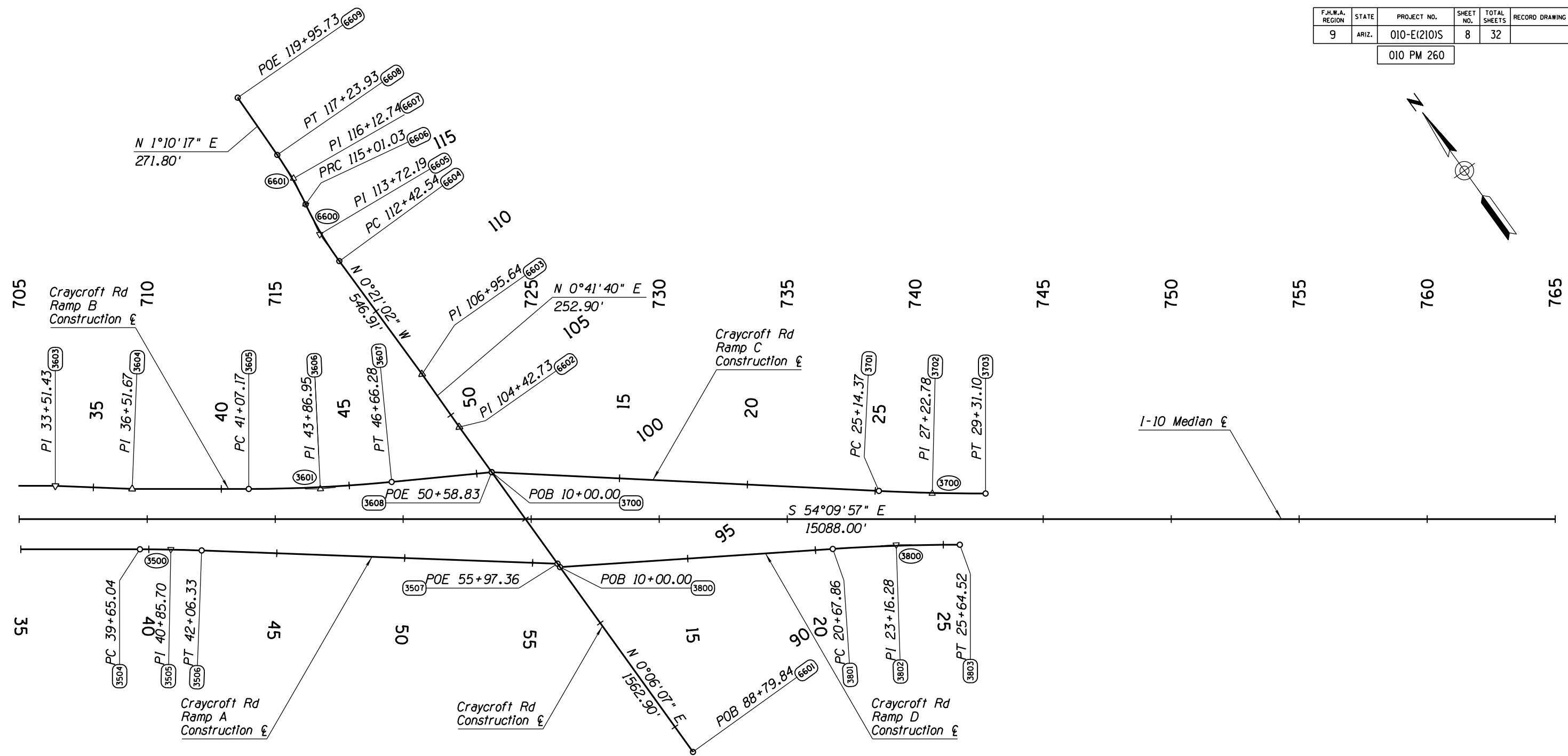
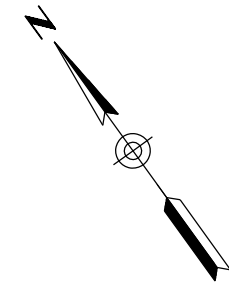
APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.07
LOCATION	SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO. H7825 OIL			010-E(210)S	OF

SURVEY NO. FINISHED PLANS. REVISIONS. LOCATION. DATE. FINISHED PLANS. REVISIONS. LOCATION. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	8	32	

010 PM 260



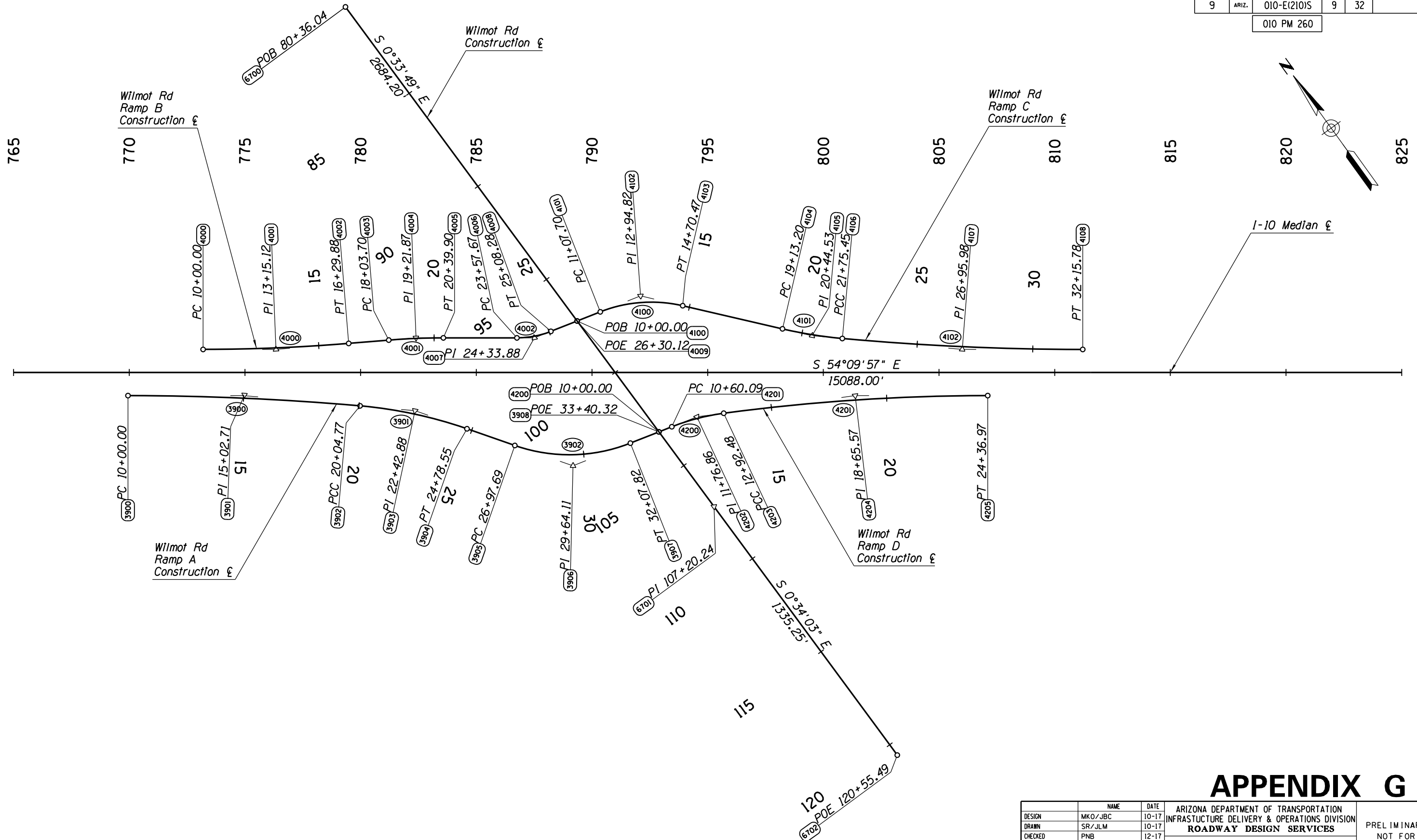
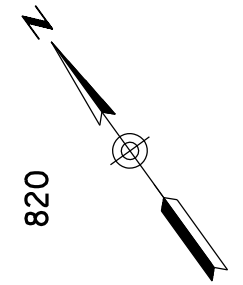
APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.08
TRACS NO. H7825 OIL		010-E(210)S		OF

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	9	32	

010 PM 260



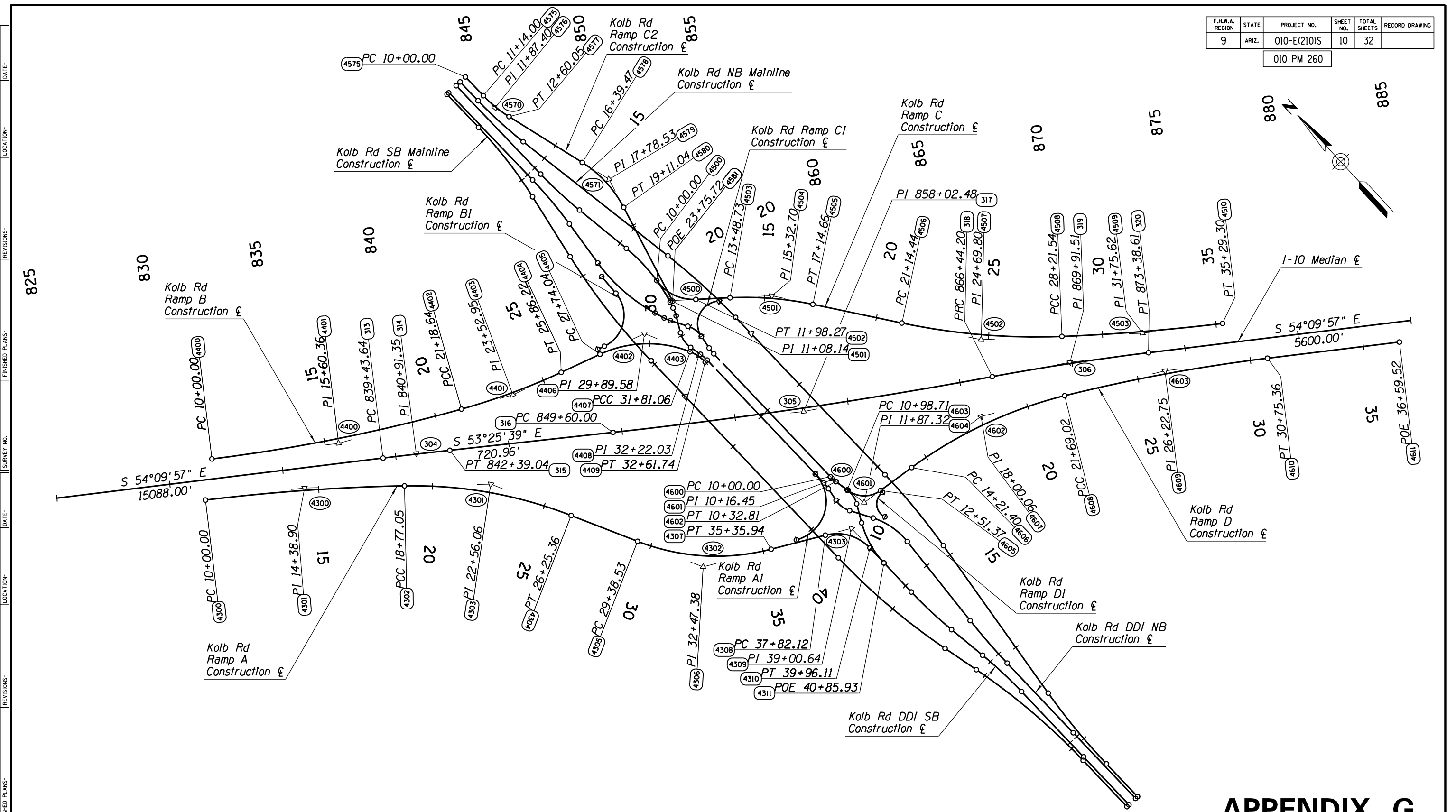
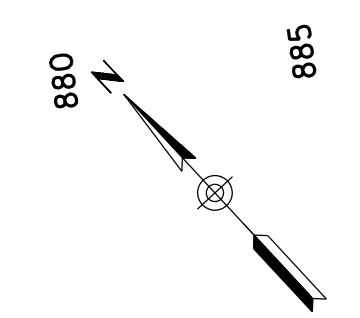
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DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.09	
LOCATION		SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO. H7825 OIL			010-E(210)S		
			OF		

SURVEY NO. FINISHED PLANS DATE REVISIONS LOCATION DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	10	32	

010 PM 260



APPENDIX G

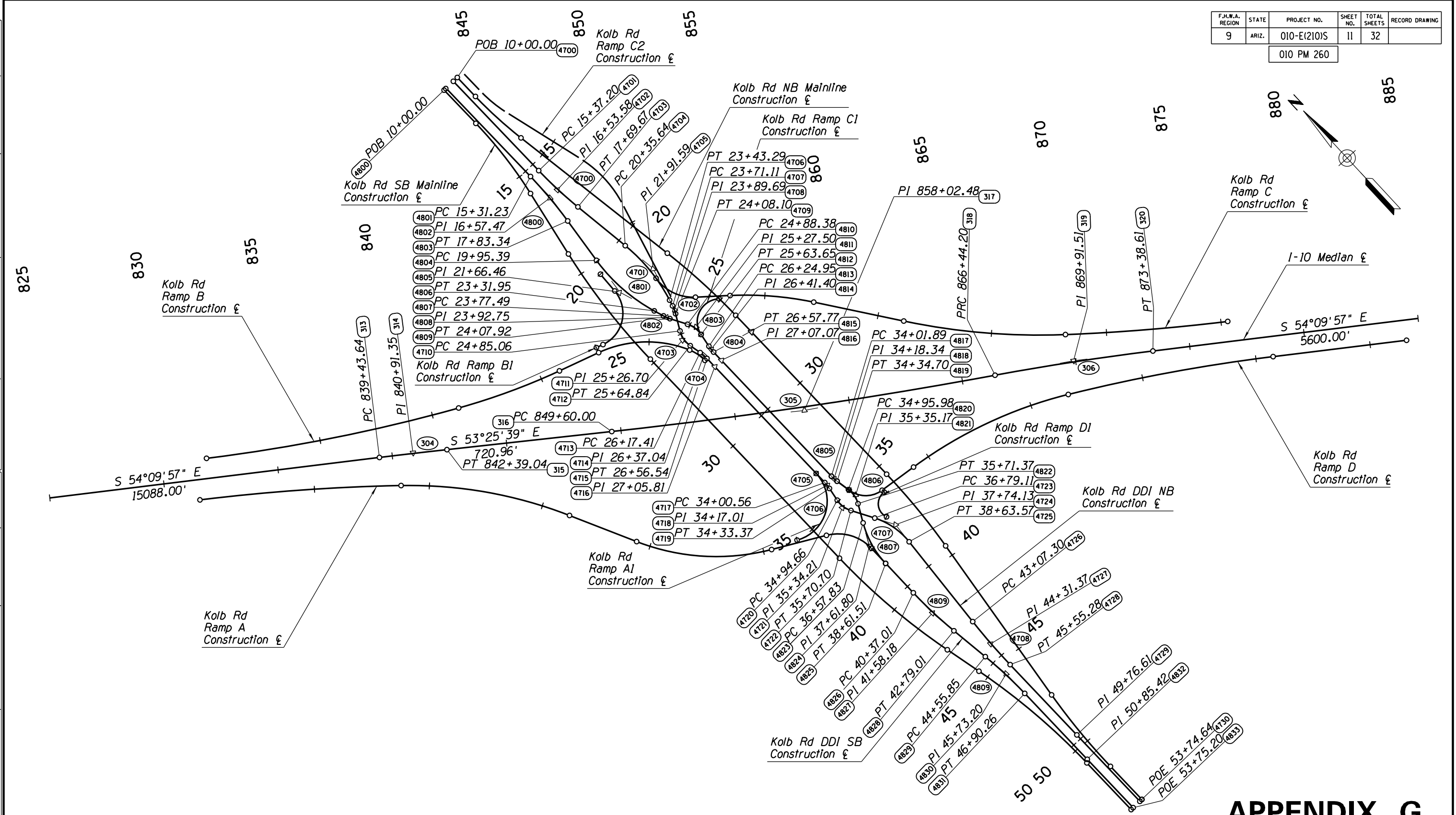
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DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.10
TRACS NO. H7825 OIL		010-E(210)S		OF

SURVEY NO. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	11	32	

010 PM 260



APPENDIX G

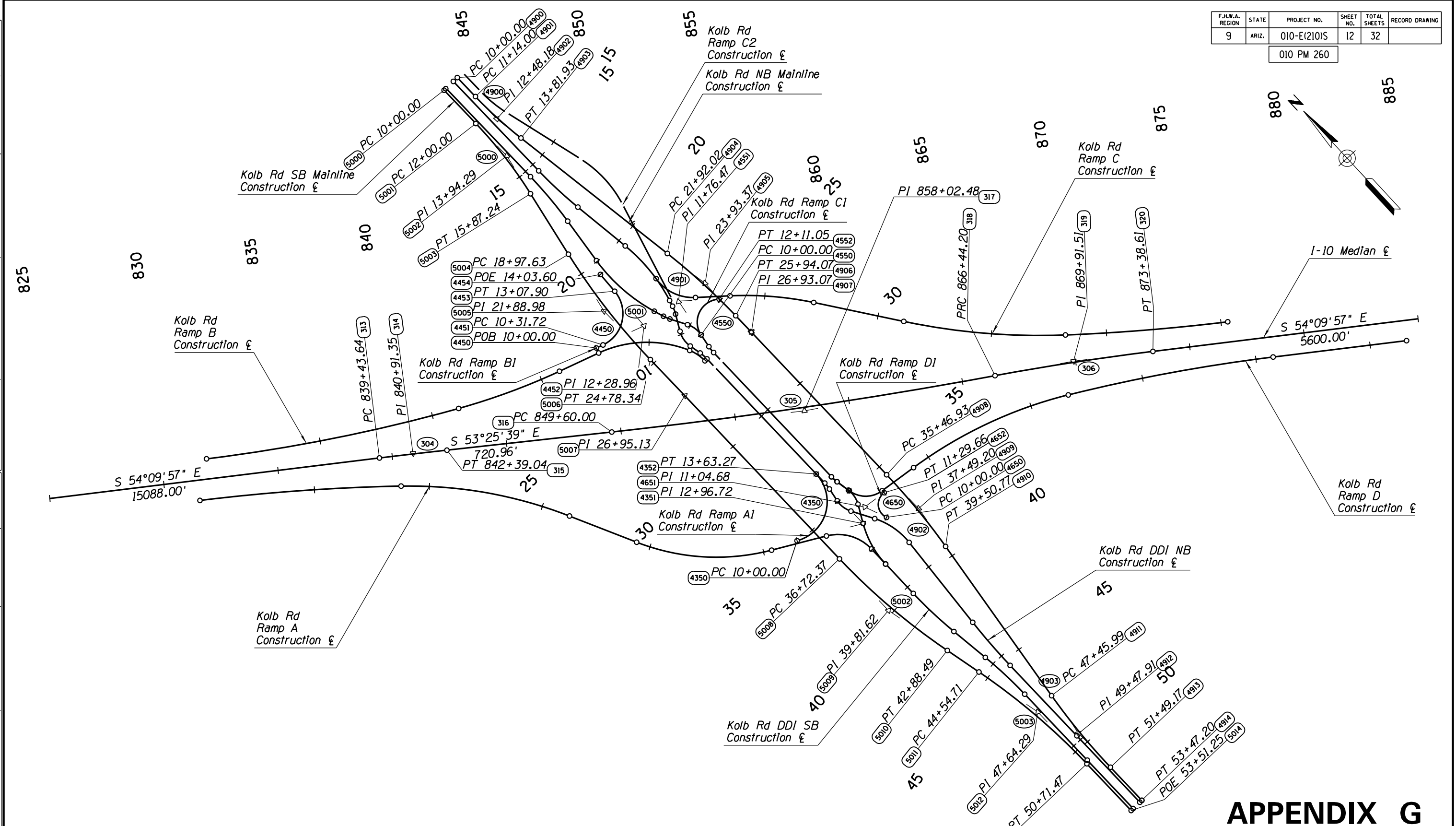
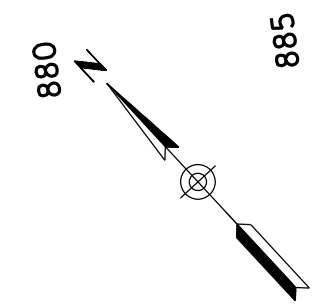
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DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.11
TRACS NO. H7825 OIL			010-E(210)S		
					OF

SURVEY NO. FINISHED PLANS. DATE. REVISIONS. FINISHED PLANS. DATE. SURVEY NO. FINISHED PLANS. DATE. REVISIONS. FINISHED PLANS. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	12	32	

010 PM 260



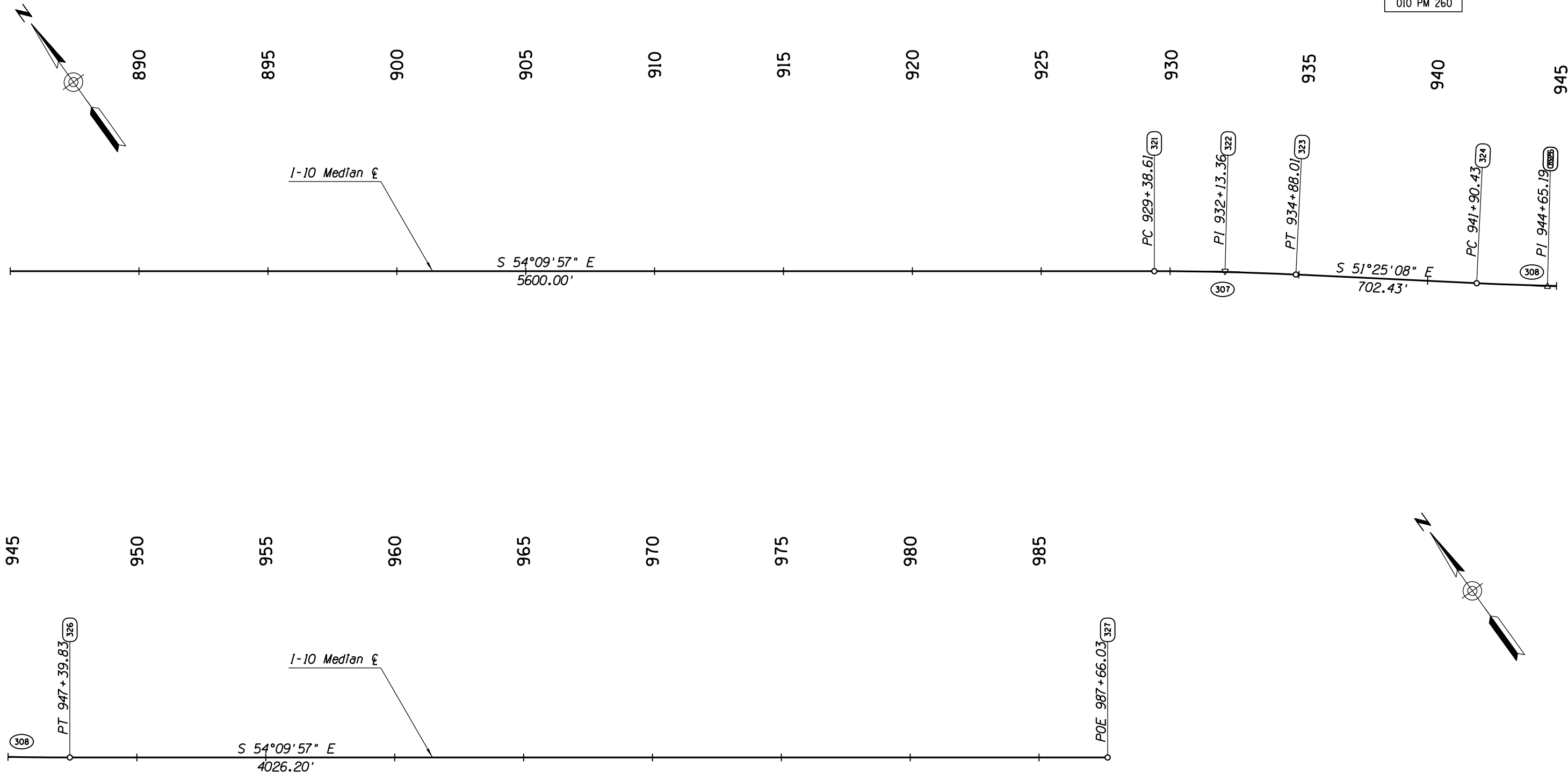
APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.12	
LOCATION	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL		010-E(210)S		OF	

SURVEY NO. FINISHED PLANS. DATE- LOCATION- REVISIONS- FINISHED PLANS. DATE- SURVEY NO. FINISHED PLANS. DATE- LOCATION- REVISIONS- FINISHED PLANS. DATE-

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	13	32	

010 PM 260



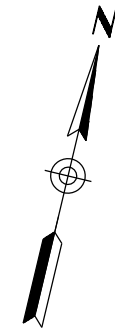
APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD		SHEET C-01.13	
LOCATION	SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO.	H7825 OIL	010-E(210)S	OF	

SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	14	32	

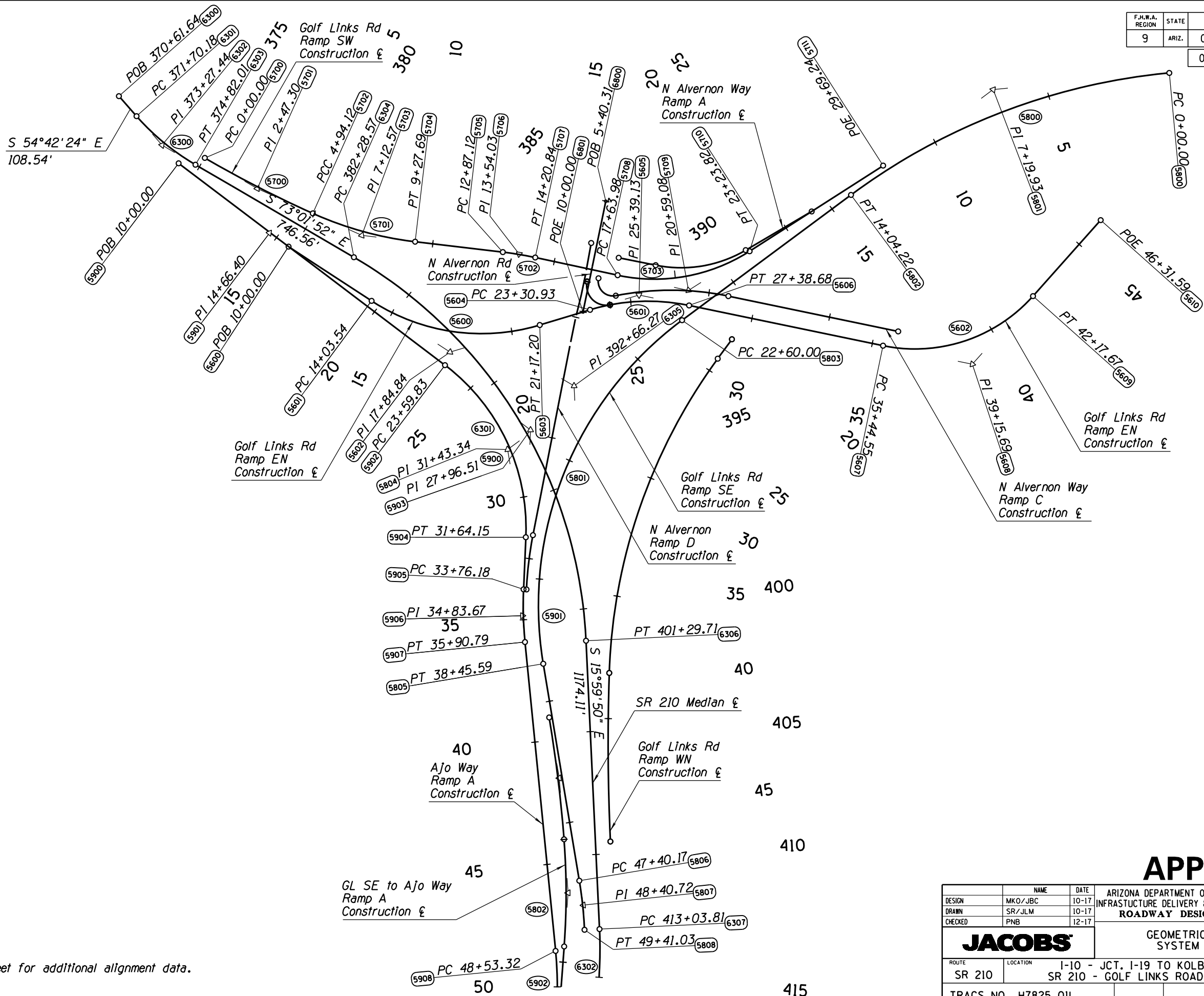
010 PM 260



S 54°42'24" E
108.54'

S 73°01'52" E
746.55'

S 15°59'50" E
1174.11'



NOTE:
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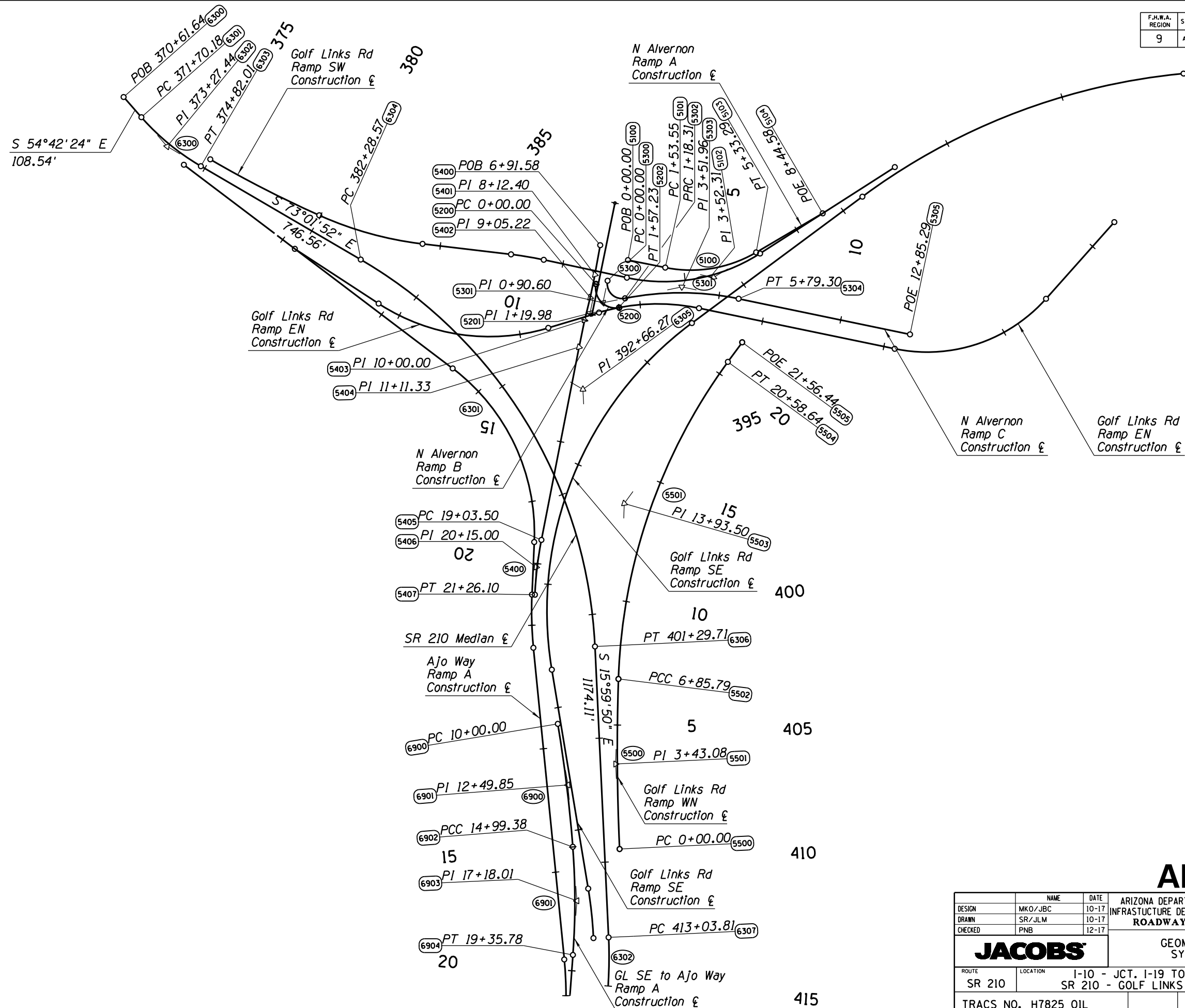
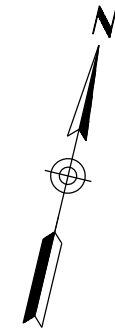
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DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES		PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17	JACOBS GEOMETRIC SHEET SYSTEM ALT I		
CHECKED	PNB	12-17			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD		SHEET C-01.14	
SR 210		SR 210 - GOLF LINKS ROAD TO I-10			
TRACS NO. H7825 OIL			010-E(210)S		OF

SURVEY NO. FINISHED PLANS. DATE. REVISIONS. FINISHED PLANS. DATE. REVISIONS. LOCATION. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	15	32	

010 PM 260



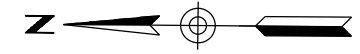
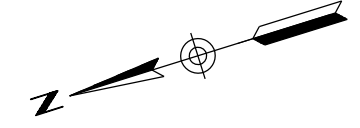
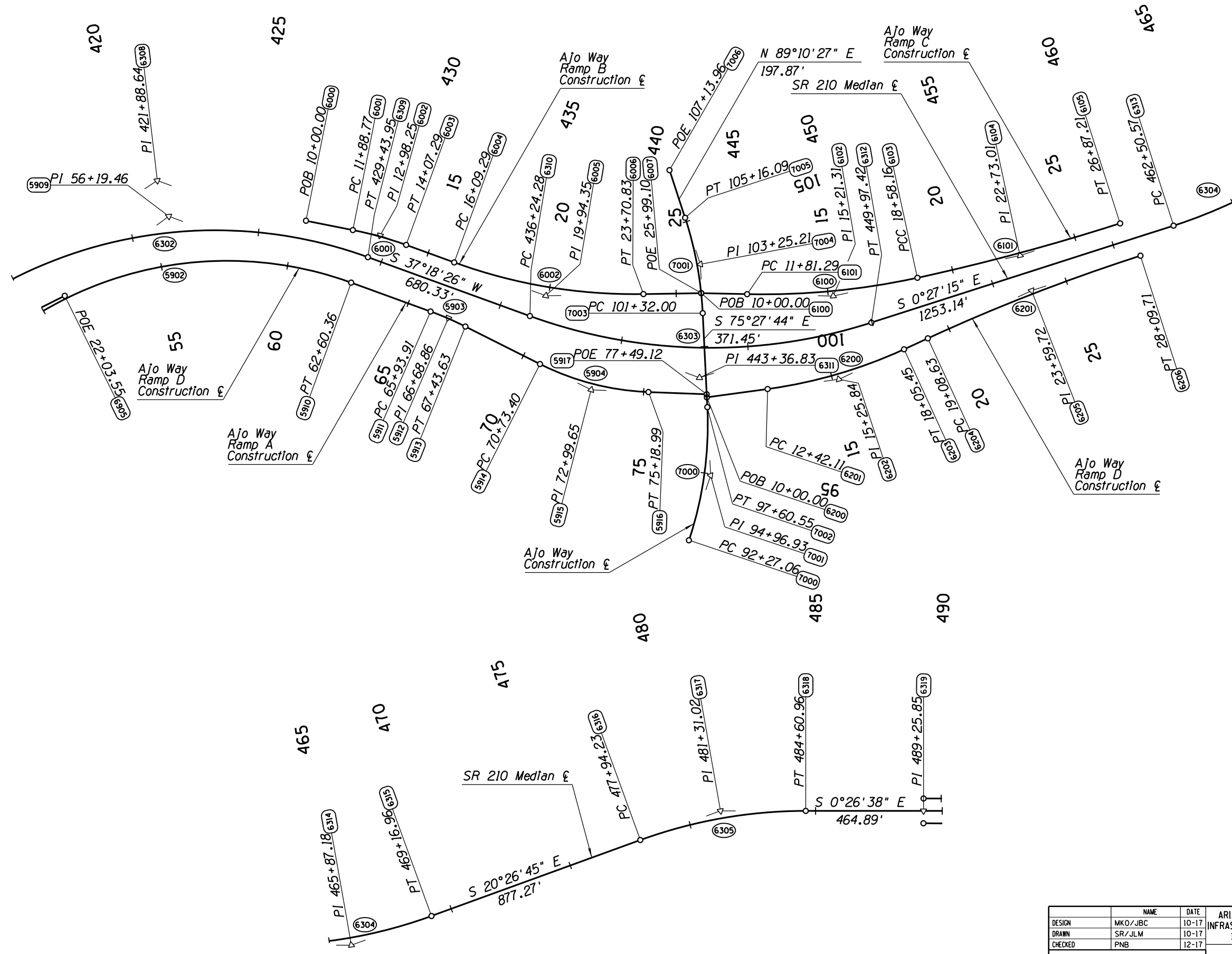
APPENDIX G

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES		PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17	JACOBS GEOMETRIC SHEET SYSTEM ALT I		
CHECKED	PNB	12-17			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD		SHEET C-01.15	
SR 210	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO.	H7825 OIL	010-E(210)S		OF	

SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE

SURVEY NO. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE. LOCATION. REVISIONS. FINISHED PLANS. DATE.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	16	32	
010 PM 260					



APPENDIX G

DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT I	
ROUTE	SR 210 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.16	
TRACS NO. H7825 OIL			010-E(210)S	
			OF	

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	17	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super
					Northing	Easting									
100	EXISTING EB I-10	POB	311+96.86		435498.196	990892.490									
101	EXISTING EB I-10	TS	321+89.54	S 27°41'05" E	434619.159	991353.696									
102	EXISTING EB I-10	SC	325+34.54		434317.727	991521.348		TOTAL	49°05'47" Lt		R+o=2359.41	2489.97		240.10	
103	EXISTING EB I-10	PI	333+10.90	S 31°52'39" E	433658.462	991931.345	100	MAIN	36°27'27" Lt	2°25'50"	2357.31	1499.97	776.36	124.55	
104	EXISTING EB I-10	CS	340+34.51		433371.847	992652.857		SPIRAL	8°26'46" Lt		o=2.10	645.00			
105	EXISTING EB I-10	ST	347+29.51	S68°20'06"E	433180.070	993320.176									
106	EXISTING EB I-10	PC	351+18.31		433091.162	993698.675									
107	EXISTING EB I-10	PI	353+30.07	N76°46'52"W	433042.739	993904.821	101	SIMPLE	3°10'32" Rt	0°45'00"	7639.44	423.41	211.76	2.93	
108	EXISTING EB I-10	PT	355+41.71	S73°36'20"E	432982.971	994107.969									
200	EXISTING WB I-10	POB	311+98.66		435543.459	990922.473									
201	EXISTING WB I-10	TS	321+93.50	S 27°41'05" E	434662.508	991384.683									
202	EXISTING WB I-10	SC	325+83.50		434322.505	991575.475		TOTAL	49°05'47" Lt		R+o=2359.41	2359.54		232.17	
203	EXISTING WB I-10	PI	334+14.10	S32°31'38"E	433622.201	992022.085	200	MAIN	39°35'51" Lt	2°29'00"	2307.21	1594.54	830.59	144.95	
204	EXISTING WB I-10	CS	341+78.04		433367.256	992812.584		SPIRAL	4°39'22" Lt		o=2.75	375.00			
205	EXISTING WB I-10	ST	345+53.04	N72°7'29"W	433271.676	993175.085									
206	EXISTING WB I-10	PC	349+97.27		433170.092	993607.549									
207	EXISTING WB I-10	PI	352+09.03	N76°46'52"W	433121.669	993813.696	201	SIMPLE	3°10'32" Rt	0°45'00"	7639.44	423.41	211.76	2.93	
208	EXISTING WB I-10	PT	354+20.68		433061.900	994016.844									
209	EXISTING WB I-10	POE	355+30.38	S73°36'20"E	433030.938	994122.082									
300	I-10 MEDIAN	POB	355+41.71		433006.955	994115.025									
301	I-10 MEDIAN	PC	375+93.29	S 73°36'20" E	432427.900	996083.190									
302	I-10 MEDIAN	PI	387+03.99		432114.405	997148.735	300	SIMPLE	16°32'41" Rt	0°45'00"	7639.44	2205.95	1110.70	80.32	e=0.023'/ft, Ls=160
303	I-10 MEDIAN	PT	397+99.24		431510.463	998080.892									
304	I-10 MEDIAN	PC	591+04.78	S 57°03'39" E	421013.133	1014283.051									
305	I-10 MEDIAN	PI	613+57.11		419788.435	1016173.318	301	SIMPLE	32°51'15" Rt	0°45'00"	7639.44	4380.55	2252.33	325.11	e=0.023'/ft, Entrance Ls=96
306	I-10 MEDIAN	PT	634+85.33		417734.149	1017096.843									Exit Ls=160
307	I-10 MEDIAN	PC	659+09.44	S 24°12'24" E	415523.190	1018090.803									
308	I-10 MEDIAN	PI	663+21.28		415147.559	1018259.672	302	SIMPLE	2°03'32" Rt	0°15'00"	22918.31	823.60	411.84	3.70	NC
309	I-10 MEDIAN	PT	667+33.04		414766.103	1018414.936									
310	I-10 MEDIAN	PC	670+26.04	S 22°08'52" E	414494.719	1018525.397									
311	I-10 MEDIAN	PI	679+65.42		413624.654	1018879.539	303	SIMPLE	32°01'05" Lt	1°45'00"	3274.04	1829.61	939.38	132.10	e=0.046'/ft, Entrance Ls=258
312	I-10 MEDIAN	PT	688+55.65		413074.705	1019641.107									Exit Ls=320
313	I-10 MEDIAN	PC	839+43.64	S 54°09'57" E	404241.584	1031873.179									
314	I-10 MEDIAN	PI	840+91.35		404155.113	1031992.923	304	SIMPLE	0°44'19" Rt	0°15'00"	22918.31	295.40	147.70	0.48	NC
315	I-10 MEDIAN	PT	842+39.04		404067.106	1032111.543									
316	I-10 MEDIAN	PC	849+60.00	S 53°25'39" E	403637.532	1032690.544									
317	I-10 MEDIAN	PI	858+02.48		403135.546	1033367.144	305	SIMPLE	4°12'38" Lt	0°15'00"	22918.31	1684.21	842.48	15.48	NC
318	I-10 MEDIAN	PRC	866+44.20		402684.593	1034078.773									
319	I-10 MEDIAN	PI	869+91.51	S 57°38'16" E	402498.690	1034372.137	306	SIMPLE	3°28'19" Rt	0°30'00"	11459.16	694.40	347.31	5.26	NC
320	I-10 MEDIAN	PT	873+38.61		402295.362	1034653.705									
321	I-10 MEDIAN	PC	929+38.61	S 54°09'57" E	399016.897	1039193.712									
322	I-10 MEDIAN	PI	932+13.36		398856.045	1039416.458	307	SIMPLE	2°44'49" Rt	0°30'00"	11459.16	549.40	274.75	3.29	NC
323	I-10 MEDIAN	PT	934+88.01		398684.703	1039631.240									
324	I-10 MEDIAN	PC	941+90.43	S 51°25'08" E	398246.655	1040180.345									
325	I-10 MEDIAN	PI	944+65.19		398075.313	1040395.127	308	SIMPLE	2°44'49" Lt	0°30'00"	11459.16	549.40	274.75	3.29	NC
326	I-10 MEDIAN	PT	947+39.83		397914.461	1040617.873									
327	I-10 MEDIAN	POE	987+66.03	S 54°09'57" E	395557.363	1043881.973									

APPENDIX G

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 All bearings and angles have been rounded to the nearest second.
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G.A.F. = 1.00016

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			GEOMETRIC DATA SHEET SYSTEM ALT I		
ROUTE	LOCATION		I-10 - JCT. I-19 TO KOLB ROAD		
I-10	SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.17		
TRACS NO. H7825 OIL			010-E(210)S		
			OF		

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	18	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
400	RAMP W-FR-1	POB	99+40.32		432533.346	996301.399										
401	RAMP W-FR-1	PC	105+55.04	S 78°36'22" E	432411.907	996904.003										
402	RAMP W-FR-1	PI	110+92.62		432305.706	997430.993	400	SIMPLE	31°26'30" Rt	3°00'00"	1909.86	1048.05	537.58	74.22	e=0.050/ft, Ls=129	
403	RAMP W-FR-1	PT	116+03.09		431940.205	997825.209										
404	RAMP W-FR-1	PC	119+42.77	S 47°09'52" E	431709.260	998074.297										
405	RAMP W-FR-1	PI	124+38.82		431371.998	998438.056	401	SIMPLE	9°53'47" Lt	1°00'00"	5729.58	989.63	496.05	21.43	NC	
406	RAMP W-FR-1	PT	129+32.40		431102.272	998854.367										
407	RAMP W-FR-1	POE	131+88.72	S 57°03'39" E	430962.899	999069.483										
500	RAMP W-FR-2	PC	171+52.93	S 53°04'33" E	433170.273	994068.303										
501	RAMP W-FR-2	PI	173+09.63		433076.136	994193.572	500	SIMPLE	21°40'32" Lt	7°00'00"	818.51	309.65	156.70	14.86		
502	RAMP W-FR-2	PT	174+62.58		433034.923	994344.753										
503	RAMP W-FR-2	PC	180+54.23	S 74°45'05" E	432879.312	994915.576										
504	RAMP W-FR-2	PI	181+56.79		432852.340	995014.520	501	SIMPLE	3°04'33" Lt	1°30'00"	3819.72	205.06	102.55	1.38		
505	RAMP W-FR-2	PT	182+59.29		432830.715	995114.769										
506	RAMP W-FR-2	PC	183+33.66	S 77°49'38" E	432815.034	995187.464										
507	RAMP W-FR-2	PI	184+74.44		432785.348	995325.084	502	SIMPLE	4°13'18" Rt	1°30'00"	3819.72	281.44	140.79	2.59		
508	RAMP W-FR-2	PT	186+15.10		432745.611	995460.145										
509	RAMP W-FR-2	PC	189+82.91	S 73°36'20" E	432641.797	995813.002										
510	RAMP W-FR-2	PI	191+13.35		432604.981	995938.136	503	SIMPLE	2°36'30" Lt	1°00'00"	5729.58	260.83	130.44	1.48	e=0.020/ft, Ls=50	
511	RAMP W-FR-2	PT	192+43.74		432573.898	996064.815										
512	RAMP W-FR-2	PC	199+63.50	S 76°12'50" E	432402.381	996763.839										
513	RAMP W-FR-2	PI	200+95.84		432370.845	996892.366	504	SIMPLE	7°55'40" Lt	3°00'00"	1909.86	264.26	132.34	4.58	e=0.030/ft, Ls=60	
514	RAMP W-FR-2	PT	202+27.76	S 84°08'29" E	432357.337	997024.013										
600	RAMP E-FR	PC	10+00.00	S 73°36'20" E	432825.111	994474.462										
601	RAMP E-FR	PI	11+60.20		432779.895	994628.146	600	SIMPLE	4°00'12" Rt	1°15'00"	4583.66	320.26	160.20	2.80	NC	
602	RAMP E-FR	PT	13+20.26		432724.061	994778.298										
603	RAMP E-FR	POE	18+83.99	S 69°36'08" E	432527.584	995306.674										
700	RAMP FR-E	POB	10+00.00		432330.164	995978.893										
701	RAMP FR-E	PC	12+19.40	S 73°36'20" E	432283.015	996193.164										
702	RAMP FR-E	PI	15+63.67		432209.031	996529.390	700	SIMPLE	10°18'01" Rt	1°30'00"	3819.72	686.68	344.27	15.48	NC	
703	RAMP FR-E	PT	19+06.08	S 69°36'08" E	432076.120	996846.968										
800	PARK AVE RAMP A1	POE	5+06.02		432327.422	995990.079										
801	PARK AVE RAMP A1	PC	7+40.95	S 73°30'01" E	432260.698	996215.336										
802	PARK AVE RAMP A1	PI	8+71.85		432223.521	996340.847	800	SIMPLE	20°19'56" Rt	7°50'55"	730.00	259.05	130.90	11.64	e=0.038/ft Exit Ls=74	
803	PARK AVE RAMP A1	PT	10+00.00		432145.050	996445.620										
804	PARK AVE RAMP A1	PC	12+92.44	S 53°10'05" E	431969.741	996679.688										
805	PARK AVE RAMP A1	PI	15+05.63		431841.941	996850.324	801	SIMPLE	25°10'12" Lt	6°00'00"	954.93	419.50	213.19	23.51	e=0.042/ft Entrance Ls=81	
806	PARK AVE RAMP A1	PT	17+11.94	S 78°20'17" E	431798.848	997059.111										
807	PARK AVE RAMP A1	POE	19+55.96		431749.522	997298.094										
900	PARK AVE RAMP A2	POB	4+76.81		432327.422	995990.079										
901	PARK AVE RAMP A2	PC	7+12.39	S 73°30'01" E	432260.513	996215.962										
902	PARK AVE RAMP A2	PI	9+24.04		432200.403	996418.895	900	SIMPLE	32°20'13" Rt	7°50'55"	730.00	412.00	211.65	30.06		
903	PARK AVE RAMP A2	PT	11+24.39	S 41°09'48" E	432041.066	996558.204										

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G.A.F. = 1.00016

APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			GEOMETRIC DATA SHEET SYSTEM ALT I		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.18
TRACS NO. H7825 OIL			010-E(210)S		
			OF		

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	19	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
904	PARK AVE RAMP A2	POE	12+28.23	S 41°09'48" E	431962.895	996626.549										
1000	PARK AVE RAMP B	PC	10+00.00		432680.363	995483.724										
1001	PARK AVE RAMP B	PI	11+75.08	S 73°36'20" E	432630.948	995651.682	1000	SIMPLE	2°06'02" Lt	0°36'00"	9549.30	350.11	175.08	1.60	NC	
1002	PARK AVE RAMP B	PT	13+50.11		432587.723	995821.338										
1003	PARK AVE RAMP B	PC	20+92.53	S 75°42'22" E	432404.425	996540.772										
1004	PARK AVE RAMP B	PI	23+41.68		432342.911	996782.211	1001	SIMPLE	14°51'55" Lt	3°00'00"	1909.86	495.51	249.15	16.18	e=0.030/ft, Ls=60	
1005	PARK AVE RAMP B	PT	25+88.04		432345.395	997031.351										
1006	PARK AVE RAMP B	POE	28+47.95	N 89°25'43" E	432347.987	997291.249										
1100	PARK AVE RAMP C	POB	10+00.00		432347.987	997291.249										
1101	PARK AVE RAMP C	PC	12+02.34	N 89°25'43" E	432350.005	997493.574										
1102	PARK AVE RAMP C	PI	16+54.31		432354.513	997945.522	1100	SIMPLE	64°30'34" Rt	8°00'00"	716.20	806.37	451.97	130.69	e=0.030/ft	
1103	PARK AVE RAMP C	PT	20+08.70		431948.499	998144.091									Entrance Ls=60	
1104	PARK AVE RAMP C	PC	23+07.89	S 26°03'43" E	431679.730	998275.538									Exit Ls=72	
1105	PARK AVE RAMP C	PI	25+52.34		431460.140	998382.933	1101	SIMPLE	30°59'56" Lt	6°30'00"	881.47	476.91	244.45	33.27	e=0.060/ft, Ls=150	
1106	PARK AVE RAMP C	PT	27+84.80		431327.223	998588.085										
1107	PARK AVE RAMP C	PC	43+47.39	S 57°03'39" E	430477.569	999899.486										
1108	PARK AVE RAMP C	PI	44+72.89		430409.330	1000004.811	1102	SIMPLE	12°30'00" Lt	5°00'00"	1145.92	250.00	125.50	6.85	e=0.051/ft, Ls=148	
1109	PARK AVE RAMP C	PT	45+97.39		430365.505	1000122.408										
1110	PARK AVE RAMP C	PC	48+54.55	S 69°33'39" E	430275.701	1000363.379										
1111	PARK AVE RAMP C	PI	50+48.64		430207.924	1000545.245	1103	SIMPLE	26°15'00" Rt	6°53'00"	832.38	381.36	194.08	22.33	e=0.060/ft, Ls=145	
1112	PARK AVE RAMP C	PT	52+35.91		430066.700	1000678.378										
1113	PARK AVE RAMP C	PC	54+38.67	S 43°18'39" E	429919.160	1000817.465										
1114	PARK AVE RAMP C	PI	55+09.67		429867.500	1000866.165	1104	SIMPLE	9°45'01" Lt	6°53'00"	832.38	141.65	71.00	3.02	e=0.060/ft	
1115	PARK AVE RAMP C	PT	55+80.32		429824.834	1000922.910									Entrance Ls=145	
1116	PARK AVE RAMP C	POE	65+36.16	S 53°03'39" E	429250.409	1001686.886									Exit Ls=150	
1200	PARK AVE RAMP D	POB	10+00.00		431765.439	997297.912										
1201	PARK AVE RAMP D	PC	11+66.24	S 65°13'47" E	431695.786	997448.860										
1202	PARK AVE RAMP D	PI	15+75.38		431524.366	997820.351	1200	SIMPLE	8°10'08" Rt	1°00'00"	5729.58	816.88	409.13	14.59	NC	
1203	PARK AVE RAMP D	PT	19+83.12		431301.901	998163.716										
1204	PARK AVE RAMP D	POE	28+56.58	S 57°03'39" E	430826.960	998896.767										
1400	KINO PKWY RAMP A	PC	10+00.00		431445.002	998038.480										
1401	KINO PKWY RAMP A	PI	12+34.72	S 57°03'39" E	431317.374	998235.467	1400	SIMPLE	3°33'18" Rt	0°45'27"	7563.44	469.29	234.72	3.64	NC	
1402	KINO PKWY RAMP A	PT	14+69.29		431177.778	998424.161										
1403	KINO PKWY RAMP A	PC	17+01.85	S 53°30'21" E	431039.463	998611.124										
1404	KINO PKWY RAMP A	PI	18+79.66		430933.714	998754.067	1401	SIMPLE	3°33'18" Lt	1°00'00"	5729.58	355.50	177.81	2.76	e=0.020/ft, Ls=50	
1405	KINO PKWY RAMP A	PT	20+57.35		430837.031	998903.292										
1406	KINO PKWY RAMP A	PC	29+36.23	S 57°03'39" E	430359.145	999640.887										
1407	KINO PKWY RAMP A	PI	32+21.03		430204.283	999879.910	1402	SIMPLE	33°14'49" Rt	6°00'23"	953.93	553.54	284.81	41.61	e=0.055/ft, Ls=126	
1408	KINO PKWY RAMP A	PT	34+89.76		429943.725	999994.905										
1409	KINO PKWY RAMP A	PC	40+62.15	S 23°48'50" E	429420.075	1000226.013										
1410	KINO PKWY RAMP A	PI	44+13.32		429098.795	1000367.808	1403	SIMPLE	61°43'30" Lt	9°45'00"	587.65	633.08	351.18	96.94	e=0.052/ft, Ls=101	
1411	KINO PKWY RAMP A	PT	46+95.22		429071.480	1000717.922										
1412	KINO PKWY RAMP A	POE	49+40.55	S 85°32'20" E	429052.398	1000962.505										
1500	KINO PKWY RAMP B	POB	9+29.67		430651.143	999550.663										

APPENDIX G

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DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.19
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	20	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
1501	KINO PKWY RAMP B	PC	10+00.00	S 57°03'39" E	430612.899	999609.691										
1502	KINO PKWY RAMP B	PI	12+21.97		430492.205	999795.978	1500	SIMPLE	4°26'14" Lt	1°00'00"	5729.58	443.71	221.97	4.30	NC	
1503	KINO PKWY RAMP B	PT	14+43.72		430386.284	999991.044										
1504	KINO PKWY RAMP B	PC	17+27.52	S 61°29'53" E	430250.857	1000240.449										
1505	KINO PKWY RAMP B	PI	20+34.77		430104.241	1000510.460	1501	SIMPLE	24°12'47" Lt	4°00'00"	1432.40	605.33	307.25	32.58	e=0.050/ft	
1506	KINO PKWY RAMP B	PT	23+32.85		430081.263	1000816.849									Entrance Ls=125	
1507	KINO PKWY RAMP B	POE	24+67.48	S 85°42'40" E	430071.194	1000951.106									Exit Ls=100	
1600	KINO PKWY RAMP C	POB	10+00.00		430066.519	1000951.164										
1601	KINO PKWY RAMP C	PC	11+08.52	S 75°42'40" E	430039.736	1001056.325										
1602	KINO PKWY RAMP C	PI	12+03.08		430016.398	1001147.957	1600	SIMPLE	34°59'19" Rt	19°05'55"	300.00	183.20	94.56	14.55	e=0.050/ft, Ls=86	
1603	KINO PKWY RAMP C	PT	12+91.72		429944.735	1001209.646										
1604	KINO PKWY RAMP C	PC	20+05.66	S 40°43'21" E	429403.655	1001675.417										
1605	KINO PKWY RAMP C	PI	21+75.49		429274.947	1001786.212										
1606	KINO PKWY RAMP C	PCC	23+44.42		429167.807	1001917.978										
1607	KINO PKWY RAMP C	PI	27+56.52	S 50°53'07" E	428907.823	1002237.722	1601	SIMPLE	6°10'32" Lt	0°45'00"	7639.44	823.41	412.10	11.11	e=0.044/ft, Ls=110	
1608	KINO PKWY RAMP C	PT	31+67.83		428683.743	1002583.579										
1700	KINO PKWY RAMP D1	POB	10+00.00		429040.364	1000963.900										
1701	KINO PKWY RAMP D1	PC	11+07.97	N 89°27'40" E	429041.380	1001071.868										
1702	KINO PKWY RAMP D1	PI	16+40.39		429046.387	1001604.267	1700	SIMPLE	31°09'16" Rt	3°00'00"	1909.86	1038.48	532.42	72.82	e=0.044/ft, Ls=110	
1703	KINO PKWY RAMP D1	PT	21+46.45		428775.239	1002062.472										
1704	KINO PKWY RAMP D1	POE	26+14.96	S 59°23'04" E	428536.642	1002465.669										
1800	KINO PKWY RAMP D2	POB	10+00.00		429475.485	1000906.496									Entrance Ls=95	
1801	KINO PKWY RAMP D2	PC	10+78.81	S 3°06'11" W	429396.788	1000902.230									Exit Ls=111	
1802	KINO PKWY RAMP D2	PCC	22+65.78		429610.807	1000783.337	1800	SIMPLE	295°41'15" Rt	24°54'40"	230.00	1186.97	-1.00	-1.00	e=0.054/ft	
1803	KINO PKWY RAMP D2	PI	23+15.78		429586.726	1000827.157	1801	SIMPLE	1°00'00" Rt	1°00'00"	5729.58	100.00	50.00	0.22	NC	
1804	KINO PKWY RAMP D2	PT	23+65.78	S 61°12'34" E	429561.884	1000870.551										
1900	COUNTRY CLUB RD RAMP A	PC	10+00.00	S 57°03'39" E	427011.687	1004884.781										
1901	COUNTRY CLUB RD RAMP A	PI	13+60.45		426815.696	1005187.285	1900	SIMPLE	5°24'10" Rt	0°45'00"	7639.44	720.36	360.45	8.50	NC	
1902	COUNTRY CLUB RD RAMP A	PCC	17+20.36		426592.093	1005469.991										
1903	COUNTRY CLUB RD RAMP A	PI	20+62.40	S 51°39'30" E	426379.905	1005738.265	1901	SIMPLE	10°14'02" Rt	1°30'00"	3819.72	682.27	342.04	15.28	e=0.044/ft	
1904	COUNTRY CLUB RD RAMP A	PT	24+02.63		426123.430	1005964.571									Entrance Ls=202	
1905	COUNTRY CLUB RD RAMP A	PC	26+27.67	S 41°25'27" E	425954.682	1006113.469									Exit Ls=137	
1906	COUNTRY CLUB RD RAMP A	PI	28+49.59		425788.284	1006260.293	1902	SIMPLE	34°25'52" Lt	8°00'00"	716.20	430.39	221.91	33.59	e=0.041/ft	
1907	COUNTRY CLUB RD RAMP A	PT	30+58.06		425734.055	1006475.479									Entrance Ls=128	
1908	COUNTRY CLUB RD RAMP A	POE	31+95.65	S 75°51'19" E	425700.433	1006608.895									Exit Ls=119	
2000	COUNTRY CLUB RD RAMP B	PC	10+00.00	S 57°03'39" E	427006.358	1005172.547										
2001	COUNTRY CLUB RD RAMP B	PI	13+14.88		426835.145	1005436.808	2000	SIMPLE	4°43'14" Lt	0°45'00"	7639.44	629.40	314.88	6.49	NC	
2002	COUNTRY CLUB RD RAMP B	PT	16+29.40		426686.259	1005714.263										
2003	COUNTRY CLUB RD RAMP B	PC	21+01.34	S 61°46'53" E	426463.108	1006130.113										
2004	COUNTRY CLUB RD RAMP B	PI	22+78.15		426379.504	1006285.912	2001	SIMPLE	14°04'26" Lt	4°00'00"	1432.40	351.85	176.81	10.87	e=0.028/ft	
2005	COUNTRY CLUB RD RAMP B	PT	24+53.19		426336.296	1006457.365									Entrance Ls=245	
2006	COUNTRY CLUB RD RAMP B	POE	26+00.22	S 75°51'19" E	426300.366	1006599.939									Exit Ls=52	
2100	COUNTRY CLUB RD RAMP C	POB	10+00.00		426287.944	1006600.124										

APPENDIX G

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 All bearings and angles have been rounded to the nearest second.
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G.A.F. = 1.00016

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			GEOMETRIC DATA SHEET SYSTEM ALT I		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.20
TRACS NO. H7825 OIL		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	21	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
2101	COUNTRY CLUB RD RAMP C	PC	11+26.22	S 75°51'19" E	426257.100	1006722.515										
2102	COUNTRY CLUB RD RAMP C	PI	13+50.98		426202.173	1006940.468	2100	SIMPLE	34°50'50" Rt	8°00'00"	716.20	435.59	224.77	34.44	e=0.041/ft	
2103	COUNTRY CLUB RD RAMP C	PT	15+61.81		426032.560	1007087.952									Entrance Ls=112	
2104	COUNTRY CLUB RD RAMP C	PC	17+72.74	S 41°00'29" E	425873.388	1007226.358									Exit Ls=108	
2105	COUNTRY CLUB RD RAMP C	PI	21+28.77		425604.724	1007459.972	2101	SIMPLE	10°39'00" Lt	1°30'00"	3819.72	710.00	356.03	16.56	e=0.028/ft, Ls=70	
2106	COUNTRY CLUB RD RAMP C	PCC	24+82.74	S 51°39'30" E	425383.862	1007739.213										
2107	COUNTRY CLUB RD RAMP C	PI	28+43.19		425160.259	1008021.920	2102	SIMPLE	5°24'10" Lt	0°45'00"	7639.44	720.36	360.45	8.50	NC	
2108	COUNTRY CLUB RD RAMP C	PT	32+03.10	S 57°03'39" E	424964.267	1008324.424										
2200	COUNTRY CLUB RD RAMP D	POB	10+00.00		425688.011	1006609.080										
2201	COUNTRY CLUB RD RAMP D	PC	11+05.72	S 75°51'19" E	425662.176	1006711.595										
2202	COUNTRY CLUB RD RAMP D	PI	12+82.38		425619.005	1006882.897	2200	SIMPLE	14°03'42" Rt	4°00'00"	1432.40	351.54	176.66	10.85	e=0.028/ft	
2203	COUNTRY CLUB RD RAMP D	PT	14+57.26		425535.509	1007038.576									Entrance Ls=53	
2204	COUNTRY CLUB RD RAMP D	PC	19+62.83	S 61°47'37" E	425296.551	1007484.112									Exit Ls=70	
2205	COUNTRY CLUB RD RAMP D	PI	22+78.53		425147.338	1007762.321	2201	SIMPLE	4°43'58" Rt	0°45'00"	7639.44	631.04	315.70	6.52	NC	
2206	COUNTRY CLUB RD RAMP D	PT	25+93.87	S 57°03'39" E	424975.678	1008027.270										
2300	ALVERNON WAY RAMP A	PC	10+00.00	S 57°03'39" E	423642.075	1010085.626										
2301	ALVERNON WAY RAMP A	PI	13+74.19		423438.611	1010399.664	2300	SIMPLE	7°28'23" Rt	1°00'00"	5729.58	747.32	374.19	12.21	NC	
2302	ALVERNON WAY RAMP A	PCC	17+47.32	S 49°35'16" E	423196.031	1010684.571										
2303	ALVERNON WAY RAMP A	PI	20+19.89		423019.329	1010892.105	2301	SIMPLE	16°14'40" Rt	3°00'00"	1909.86	541.48	272.57	19.35	e=0.044/ft, Ls=110	
2304	ALVERNON WAY RAMP A	PT	22+88.80		422791.628	1011041.924										
2305	ALVERNON WAY RAMP A	PC	26+11.41	S 33°20'36" E	422522.116	1011219.252										
2306	ALVERNON WAY RAMP A	PI	29+76.92		422216.776	1011420.153	2302	SIMPLE	41°53'21" Lt	6°00'00"	954.93	698.15	365.50	67.56	e=0.042/ft	
2307	ALVERNON WAY RAMP A	PT	33+09.57	S 75°13'57" E	422123.610	1011773.584									Entrance Ls=102	
2308	ALVERNON WAY RAMP A	POE	34+59.82		422085.313	1011918.868									Exit Ls=125	
2400	ALVERNON WAY RAMP B	PC	10+00.00	S 57°03'39" E	423779.778	1010152.629										
2401	ALVERNON WAY RAMP B	PI	13+60.14		423583.953	1010454.876	2400	SIMPLE	7°11'36" Lt	1°00'00"	5729.58	719.33	360.14	11.31	NC	
2402	ALVERNON WAY RAMP B	PT	17+19.33		423427.516	1010779.266										
2403	ALVERNON WAY RAMP B	PC	24+61.15	S 64°15'15" E	423105.289	1011447.439										
2404	ALVERNON WAY RAMP B	PI	26+44.67		423025.570	1011612.744	2401	SIMPLE	10°58'42" Lt	3°00'01"	1909.76	365.92	183.52	8.80	e=0.028/ft	
2405	ALVERNON WAY RAMP B	PT	28+27.07	S 75°13'57" E	422978.791	1011790.205									Entrance Ls=70	
2406	ALVERNON WAY RAMP B	POE	29+56.52		422945.795	1011915.376									Exit Ls=105	
2500	ALVERNON WAY RAMP C	POB	10+00.00	S 75°13'57" E	422933.372	1011915.427										
2501	ALVERNON WAY RAMP C	PC	11+12.03		422904.815	1012023.761										
2502	ALVERNON WAY RAMP C	PI	13+15.33		422852.997	1012220.336	2500	SIMPLE	39°04'13" Rt	10°00'00"	572.96	390.70	203.29	35.00	e=0.036/ft	
2503	ALVERNON WAY RAMP C	PT	15+02.74		422688.870	1012340.293									Entrance Ls=105	
2504	ALVERNON WAY RAMP C	PC	16+90.66	S 36°09'44" E	422537.152	1012451.181									Exit Ls=131	
2505	ALVERNON WAY RAMP C	PI	19+78.10		422305.088	1012620.791	2501	SIMPLE	17°07'04" Lt	3°00'00"	1909.86	570.60	287.44	21.51	e=0.044/ft, Ent Ls=160	
2506	ALVERNON WAY RAMP C	PCC	22+61.26	S 53°16'49" E	422133.227	1012851.193									Exit Ls=110	
2507	ALVERNON WAY RAMP C	PI	24+50.36		422020.160	1013002.776	2502	SIMPLE	3°46'51" Lt	1°00'00"	5729.58	378.08	189.11	3.12	NC	
2508	ALVERNON WAY RAMP C	PT	26+39.33	S 57°03'39" E	421917.333	1013161.484										
2509	ALVERNON WAY RAMP C	POE	37+03.22		421338.847	1014054.350										
2600	ALVERNON WAY RAMP D	POB	10+00.00	S 75°13'57" E	422072.890	1011918.919									Entrance Ls=70	
2601	ALVERNON WAY RAMP D	PC	11+76.59		422027.879	1012089.672									Exit Ls=93	
2602	ALVERNON WAY RAMP D	PI	13+64.17		421980.064	1012271.060	2600	SIMPLE	7°29'34" Rt	2°00'00"	2864.79	374.64	187.59	6.13	e=0.035/ft	

APPENDIX G

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DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.21
TRACS NO. H7825 OIL			010-E(210)S		
					OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	22	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
2603	ALVERNON WAY RAMP D	PT	15+51.22		421909.004	1012444.665										
2604	ALVERNON WAY RAMP D	PC	17+43.09	S 67°44' 23" E	421836.323	1012622.231										
2605	ALVERNON WAY RAMP D	PI	22+19.08		421656.009	1013062.753	2601	SIMPLE	10°40' 44" Rt	1°07' 30"	5092.96	949.24	476.00	22.20	NC	
2606	ALVERNON WAY RAMP D	PT	26+92.32	S 57°03' 39" E	421397.188	1013462.233										
2700	RAMP WN	PC	25+50.22	S 1°22' 42" E	424322.166	1011970.792										
2701	RAMP WN	PI	27+75.37		424097.080	1011976.208	2700	SIMPLE	6°44' 48" Lt	1°30' 00"	3819.72	449.78	225.15	6.63	NC	
2702	RAMP WN	PT	30+00.00		423874.188	1012008.029										
2703	RAMP WN	PC	38+56.72	S 8°07' 30" E	423026.073	1012129.113										
2704	RAMP WN	PI	43+78.17		422509.856	1012202.812	2701	SIMPLE	48°56' 09" Lt	5°00' 00"	1145.92	978.72	521.45	113.07	e=0.056/ft	
2705	RAMP WN	PT	48+35.44		422226.319	1012640.440										Entrance Ls=140
2706	RAMP WN	PC	65+04.62	S 57°03' 39" E	421318.705	1014041.301										Exit Ls=280
2707	RAMP WN	PI	70+02.94		421047.749	1014459.510	2702	SIMPLE	7°27' 51" Rt	0°45' 00"	7639.44	995.22	498.31	16.24	e=0.023/ft, Ls=54	
2708	RAMP WN	PT	74+99.84	S 49°35' 48" E	420724.760	1014838.977										
2709	RAMP WN	POE	78+81.99		420477.062	1015129.989										
2800	RAMP SW	PC	3+57.28	S 0°46' 03" W	424431.621	1011836.345										
2801	RAMP SW	PI	6+55.56		424133.371	1011832.350	2800	SIMPLE	11°59' 17" Rt	2°01' 01"	2840.79	594.38	298.28	15.62	e=0.028/ft	
2802	RAMP SW	PCC	9+51.66	S 12°45' 20" W	423842.455	1011766.494										
2803	RAMP SW	PI	17+25.08		423088.114	1011595.729	2801	SIMPLE	100°33' 35" Rt	8°55' 00"	642.57	1127.77	773.43	362.96	e=0.060/ft, Ent Ls=141	
2804	RAMP SW	PCC	20+79.43	N 66°41' 05" W	423394.229	1010885.458										Exit Ls=135
2805	RAMP SW	PI	22+12.71		423446.979	1010763.064	2802	SIMPLE	3°59' 48" Rt	1°30' 00"	3819.72	266.45	133.28	2.32	NC	
2806	RAMP SW	PCC	23+45.88	N 62°41' 17" W	423508.132	1010644.644										
2807	RAMP SW	PI	26+27.87		423637.061	1010394.976	2804	SIMPLE	5°37' 38" Rt	1°00' 08"	5717.58	561.53	280.99	6.90	NC	
2808	RAMP SW	PT	29+07.41	N 57°03' 39" W	423789.849	1010159.154										
2900	RAMP EN	POB	40+00.00	S 53°03' 39" E	424015.964	1009508.545										
2901	RAMP EN	PC	52+13.34		423286.790	1010478.335										
2902	RAMP EN	PI	53+12.01		423227.489	1010557.205	2900	SIMPLE	1°12' 06" Lt	0°36' 32"	9410.00	197.35	98.68	0.52	NC	
2903	RAMP EN	PT	54+10.68		423169.854	1010637.301										
2904	RAMP EN	PC	59+83.10	S 54°15' 45" E	422835.522	1011101.932										
2905	RAMP EN	PI	72+67.97		422085.066	1012144.863	2901	SIMPLE	130°50' 42" Lt	9°45' 00"	587.65	1342.00	1284.87	825.23	e=0.058/ft, Ls=119	
2906	RAMP EN	PT	73+25.10		423364.834	1012030.477										
2907	RAMP EN	PC	79+60.33	N 5°06' 27" W	423997.537	1011973.926										
2908	RAMP EN	PI	81+22.92		424159.489	1011959.451	2902	SIMPLE	4°52' 30" Rt	1°30' 00"	3819.72	325.00	162.60	3.46	NC	
2909	RAMP EN	PT	82+85.33		424322.086	1011958.791										
2910	RAMP EN	POE	85+69.51	N 0°13' 57" W	424606.265	1011957.638										
3000	RAMP SE	POB	8+25.85	S 0°13' 57" E	424605.867	1011859.638										
3001	RAMP SE	PC	10+00.00		424431.719	1011860.345										
3002	RAMP SE	PI	14+02.62		424029.102	1011861.979	3000	SIMPLE	16°00' 00" Rt	2°00' 00"	2864.80	800.00	402.62	28.15	e=0.035/ft, Ls=93	
3003	RAMP SE	PT	18+00.00		423641.631	1011752.574										
3004	RAMP SE	PC	20+65.80	S 15°46' 03" W	423385.833	1011680.347										
3005	RAMP SE	PI	30+41.54		422446.808	1011415.205	3001	SIMPLE	80°49' 42" Lt	5°00' 00"	1145.92	1616.57	975.74	359.14	e=0.056/ft, Ls=147	
3006	RAMP SE	PT	36+82.37		422035.382	1012299.964										
3007	RAMP SE	PC	41+46.65	S 65°03' 39" E	421839.615	1012720.957										
3008	RAMP SE	PI	45+47.30		421670.679	1013084.250	3002	SIMPLE	8°00' 00" Rt	1°00' 00"	5729.58	800.00	400.65	13.99	NC	
3009	RAMP SE	PT	49+46.65		421452.826	1013420.496										
3010	RAMP SE	POE	51+65.52	S 57°03' 39" E	421333.818	1013604.180										

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DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.22
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL				010-E(210)S	OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	23	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
3100	VALENCIA RD RAMP A	PC	10+00.00		416329.656	1017618.607										
3101	VALENCIA RD RAMP A	PI	17+31.90	S 24°12'24" E	415662.114	1017918.708	3100	SIMPLE	9°44'06" Rt	0°40'00"	8594.37	1460.27	731.90	31.11	NC	
3102	VALENCIA RD RAMP A	PT	24+60.27		414953.440	1018101.609										
3103	VALENCIA RD RAMP A	POE	32+49.38	S 14°28'18" E	414189.364	1018298.810										
3200	VALENCIA RD RAMP B	PC	10+00.00		416041.959	1017967.225										
3201	VALENCIA RD RAMP B	PI	14+53.59	S 24°12'24" E	415628.253	1018153.211	3200	SIMPLE	6°56'47" Lt	0°46'00"	7473.36	906.07	453.59	13.75	NC	
3202	VALENCIA RD RAMP B	PCC	19+06.07		415240.078	1018387.866										
3203	VALENCIA RD RAMP B	PI	20+61.23	S 31°09'12" E	415107.292	1018468.136	3201	SIMPLE	15°25'21" Lt	5°00'00"	1145.92	308.45	155.16	10.46	e=0.056'/ft, Ls=147	
3204	VALENCIA RD RAMP B	PT	22+14.52		415000.634	1018580.828										
3205	VALENCIA RD RAMP B	PC	24+02.71		414871.270	1018717.511										
3206	VALENCIA RD RAMP B	PI	27+23.19	S 46°34'33" E	414650.974	1018950.271	3202	SIMPLE	37°06'15" Rt	6°00'00"	954.93	618.40	320.48	52.34	e=0.043'/ft, Ls=83	
3207	VALENCIA RD RAMP B	PT	30+21.11		414334.863	1019003.009										
3208	VALENCIA RD RAMP B	POE	31+75.44	S 9°28'18" E	414182.637	1019028.406										
3300	VALENCIA RD RAMP C	POB	10+00.00		414182.749	1019016.221										
3301	VALENCIA RD RAMP C	PC	12+28.87	S 9°28'18" E	413956.997	1019053.884										
3302	VALENCIA RD RAMP C	PI	13+85.01		413802.992	1019079.577	3300	SIMPLE	34°41'02" Lt	11°27'33"	500.00	302.67	156.13	23.81	e=0.060'/ft, Ls=186	
3303	VALENCIA RD RAMP C	PT	15+31.55		413690.973	1019188.342										
3304	VALENCIA RD RAMP C	PC	20+54.70	S 44°09'20" E	413315.637	1019552.773										
3305	VALENCIA RD RAMP C	PI	23+05.60		413135.629	1019727.551	3301	SIMPLE	10°00'38" Lt	2°00'00"	2864.79	500.52	250.90	10.97	e=0.046'/ft, Ls=128	
3306	VALENCIA RD RAMP C	PT	25+55.22	S 54°09'57" E	412988.743	1019930.959										
3400	VALENCIA RD RAMP D	POB	10+00.00		414189.479	1018286.387										
3401	VALENCIA RD RAMP D	PC	11+85.45		414009.917	1018332.730										
3402	VALENCIA RD RAMP D	PI	13+29.83	S 14°28'18" E	413870.118	1018368.811	3400	SIMPLE	39°41'39" Lt	14°19'26"	400.00	277.12	144.38	25.26	e=0.052'/ft, Ls=95	
3403	VALENCIA RD RAMP D	PT	14+62.56		413785.592	1018485.862										
3404	VALENCIA RD RAMP D	POE	28+15.32	S 54°09'57" E	412993.633	1019582.563										
3500	CRAYCROFT RD RAMP A	POB	10+00.00		413489.985	1018895.217										
3501	CRAYCROFT RD RAMP A	PI	14+30.07	S 50°09'57" E	413214.498	1019225.467										
3502	CRAYCROFT RD RAMP A	PI	23+55.98	S 54°09'57" E	412672.434	1019976.115										
3503	CRAYCROFT RD RAMP A	PI	29+56.10	S 55°18'42" E	412330.899	1020469.569										
3504	CRAYCROFT RD RAMP A	PC	39+65.04		411740.219	1021287.540										
3505	CRAYCROFT RD RAMP A	PI	40+85.70	S 54°09'57" E	411669.583	1021385.357	3500	SIMPLE	2°07'37" Rt	0°52'53"	6500.00	241.28	120.65	1.12	NC	
3506	CRAYCROFT RD RAMP A	PT	42+06.33		411595.365	1021480.485										
3507	CRAYCROFT RD RAMP A	POE	55+97.36	S 52°02'21" E	410739.705	1022577.220										
3600	CRAYCROFT RD RAMP B	PC	10+00.00		413579.051	1019313.737										
3601	CRAYCROFT RD RAMP B	PI	15+01.80	S 44°09'20" E	413219.035	1019663.294	3600	SIMPLE	10°00'38" Lt	1°00'00"	5729.58	1001.04	501.80	21.93	NC	
3602	CRAYCROFT RD RAMP B	PT	20+01.04		412925.262	1020070.110										
3603	CRAYCROFT RD RAMP B	PI	33+51.43	S 54°09'57" E	412134.693	1021164.887										
3604	CRAYCROFT RD RAMP B	PI	36+51.67	S 51°52'31" E	411949.332	1021401.077										
3605	CRAYCROFT RD RAMP B	PC	41+07.17		411682.659	1021770.364										
3606	CRAYCROFT RD RAMP B	PI	43+86.95	S 54°09'57" E	411518.869	1021997.180	3601	SIMPLE	5°35'28" Lt	1°00'00"	5729.58	559.10	279.77	6.83	NC	
3607	CRAYCROFT RD RAMP B	PT	46+66.28		411377.956	1022238.875										
3608	CRAYCROFT RD RAMP B	POE	50+58.83	S 59°45'25" E	411180.237	1022578.004										

All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings
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G.A.F. = 1.00016

APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS		GEOMETRIC DATA SHEET SYSTEM ALT I			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.23
TRACS NO. H7825 01L		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	24	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
3700	CRAYCROFT RD RAMP C	POB	10+00.00		411180.237	1022578.004										
3701	CRAYCROFT RD RAMP C	PC	25+14.37	S 51°23'16" E	410235.197	1023761.313										
3702	CRAYCROFT RD RAMP C	PI	27+22.78		410105.141	1023924.159	3700	SIMPLE	2°46'42" Lt	0°40'00"	8594.37	416.73	208.41	2.53	NC	
3703	CRAYCROFT RD RAMP C	PT	29+31.10	S 54°09'57" E	409983.131	1024093.118										
3800	CRAYCROFT RD RAMP D	POB	10+00.00		410723.307	1022577.191										
3801	CRAYCROFT RD RAMP D	PC	20+67.86	S 57°58'25" E	410157.013	1023482.524										
3802	CRAYCROFT RD RAMP D	PI	23+16.28		410025.272	1023693.138	3800	SIMPLE	3°48'28" Rt	0°46'00"	7473.36	496.66	248.42	4.13	NC	
3803	CRAYCROFT RD RAMP D	PT	25+64.52	S 54°09'57" E	409879.835	1023894.539										
3900	WILMOT RD RAMP A	PC	10+00.00		408228.960	1026180.664										
3901	WILMOT RD RAMP A	PI	15+02.71	S 54°09'57" E	407934.655	1026588.217	3900	SIMPLE	5°01'26" Rt	0°30'00"	11459.16	1004.77	502.71	11.02	NC	
3902	WILMOT RD RAMP A	PCC	20+04.77		407605.790	1026968.432										
3903	WILMOT RD RAMP A	PI	22+42.88	S 49°08'31" E	407450.021	1027148.524	3901	SIMPLE	14°12'48" Rt	3°00'00"	1909.86	473.78	238.11	14.79	e=0.044/ft, Ls=106	
3904	WILMOT RD RAMP A	PT	24+78.55		407254.802	1027284.856										
3905	WILMOT RD RAMP A	PC	26+97.69	S 34°55'43" E	407075.140	1027410.324										
3906	WILMOT RD RAMP A	PI	29+64.11		406856.705	1027562.869	3902	SIMPLE	40°48'38" Lt	8°00'00"	716.20	510.13	266.43	47.95	e=0.048/ft, Ls=144	
3907	WILMOT RD RAMP A	PT	32+07.82		406791.074	1027821.086										
3908	WILMOT RD RAMP A	POE	33+40.32	S 75°44'21" E	406758.434	1027949.507										
4000	WILMOT RD RAMP B	PC	10+00.00		408200.835	1026561.234										
4001	WILMOT RD RAMP B	PI	13+15.12	S 54°09'57" E	408016.352	1026816.706	4000	SIMPLE	4°43'27" Lt	0°45'00"	7639.44	629.88	315.12	6.50	NC	
4002	WILMOT RD RAMP B	PT	16+29.88		407853.536	1027086.503										
4003	WILMOT RD RAMP B	PC	18+03.70	S 58°53'24" E	407763.726	1027235.323										
4004	WILMOT RD RAMP B	PI	19+21.87		407702.670	1027336.497	4001	SIMPLE	4°43'27" Rt	2°00'00"	2864.79	236.20	118.17	2.44	e=0.035/ft, Ls=84	
4005	WILMOT RD RAMP B	PT	20+39.90		407633.489	1027432.299										
4006	WILMOT RD RAMP B	PC	23+57.67	S 54°09'57" E	407447.456	1027689.917										
4007	WILMOT RD RAMP B	PI	24+33.88		407402.841	1027751.700	4002	SIMPLE	21°34'24" Lt	14°19'26"	400.00	150.61	76.21	7.19	e=0.060/ft, Ls=109	
4008	WILMOT RD RAMP B	PT	25+08.28		407384.069	1027825.559										
4009	WILMOT RD RAMP B	POE	26+30.12	S 75°44'21" E	407354.054	1027943.647										
4100	WILMOT RD RAMP C	POB	10+00.00		407354.054	1027943.647										
4101	WILMOT RD RAMP C	PC	11+07.70	S 75°44'21" E	407327.525	1028048.025										
4102	WILMOT RD RAMP C	PI	12+94.82		407281.430	1028229.383	4100	SIMPLE	34°38'34" Rt	9°32'57"	600.00	362.78	187.12	28.50	e=0.051/ft, Ls=150	
4103	WILMOT RD RAMP C	PT	14+70.47		407140.412	1028352.386										
4104	WILMOT RD RAMP C	PC	19+13.20	S 41°05'47" E	406806.776	1028643.399										
4105	WILMOT RD RAMP C	PI	20+44.53		406707.801	1028729.730	4101	SIMPLE	7°52'04" Lt	3°00'00"	1909.86	262.26	131.34	4.51	e=0.050/ft, Ls=128	
4106	WILMOT RD RAMP C	PCC	21+75.45		406621.575	1028828.796										
4107	WILMOT RD RAMP C	PI	26+95.98	S 48°57'51" E	406279.836	1029221.426	4102	SIMPLE	5°12'06" Lt	0°30'00"	11459.16	1040.33	520.52	11.82	NC	
4108	WILMOT RD RAMP C	PT	32+15.78	S 54°09'57" E	405975.102	1029643.422										
4200	WILMOT RD RAMP D	POB	10+00.00		406758.434	1027949.507										
4201	WILMOT RD RAMP D	PC	10+60.09	S 75°44'21" E	406743.632	1028007.743										
4202	WILMOT RD RAMP D	PI	11+76.86		406714.867	1028120.916	4200	SIMPLE	13°56'36" Rt	6°00'00"	954.93	232.39	116.77	7.11	e=0.043/ft, Ls=83	
4203	WILMOT RD RAMP D	PCC	12+92.48		406659.679	1028223.824										
4204	WILMOT RD RAMP D	PI	18+65.57	S 61°47'45" E	406388.827	1028728.874	4201	SIMPLE	7°37'48" Rt	0°40'00"	8594.37	1144.49	573.09	19.09	NC	
4205	WILMOT RD RAMP D	PT	24+36.97	S 54°09'57" E	406053.314	1029193.490										
4300	KOLB RD RAMP A	PC	10+00.00	S 54°09'57" E	404636.760	1031175.627										

APPENDIX G

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G.A.F. = 1.00016

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.24
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL			010-E(210)S		
					OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	25	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super
					Northing	Easting									
4301	KOLB RD RAMP A	PI	14+38.90	S 54°09'57" E	404379.807	1031531.454	4300	SIMPLE	5°50'49" Rt	0°40'00"	8594.37	877.05	438.90	11.20	NC
4302	KOLB RD RAMP A	PCC	18+77.05	S 48°19'08" E	404087.943	1031859.253	4301	SIMPLE	22°26'57" Rt	3°00'00"	1909.86	748.31	379.02	37.25	e=0.050'/ft, Ls=128
4303	KOLB RD RAMP A	PI	22+56.06		403835.903	1032142.324									
4304	KOLB RD RAMP A	PT	26+25.36	S 25°52'11" E	403494.868	1032307.698	4302	SIMPLE	35°50'41" Lt	6°00'00"	954.93	597.41	308.85	48.70	e=0.043'/ft, Ls=125
4305	KOLB RD RAMP A	PC	29+38.53		403213.079	1032444.343									
4306	KOLB RD RAMP A	PI	32+47.38	S 61°42'52" E	402935.183	1032579.101	4303	SIMPLE	61°18'10" Rt	28°38'52"	200.00	213.99	118.52	32.48	NC
4307	KOLB RD RAMP A	PT	35+35.94		402788.831	1032851.069									
4308	KOLB RD RAMP A	PC	37+82.12	S 0°24'41" E	402672.175	1033067.852	4350	SIMPLE	118°56'15" Lt	32°44'26"	175.00	363.27	296.72	169.48	NC
4309	KOLB RD RAMP A	PI	39+00.64		402616.012	1033172.222									
4310	KOLB RD RAMP A	PT	39+96.11	S 61°42'52" E	402497.493	1033173.073	4351	SIMPLE	118°56'15" Lt	32°44'26"	175.00	363.27	296.72	169.48	NC
4311	KOLB RD RAMP A	POE	40+85.93		402407.671	1033173.718									
4350	KOLB RD RAMP AI	PC	10+00.00	S 61°42'52" E	402743.769	1032960.132	4352	SIMPLE	118°56'15" Lt	32°44'26"	175.00	363.27	296.72	169.48	NC
4351	KOLB RD RAMP AI	PI	12+96.72		402603.162	1033221.424									
4352	KOLB RD RAMP AI	PT	13+63.27	N 0°39'07" W	402899.864	1033218.048									
4400	KOLB RD RAMP B	PC	10+00.00	S 54°09'57" E	404749.852	1031319.646	4400	SIMPLE	8°34'34" Lt	0°46'00"	7473.36	1118.64	560.36	20.98	NC
4401	KOLB RD RAMP B	PI	15+60.36		404421.792	1031773.942									
4402	KOLB RD RAMP B	PCC	21+18.64	S 62°44'32" E	404165.147	1032272.080	4401	SIMPLE	9°21'06" Lt	2°00'00"	2864.79	467.58	234.31	9.57	e=0.035'/ft, Ls=126
4403	KOLB RD RAMP B	PI	23+52.95		404057.834	1032480.371									
4404	KOLB RD RAMP B	PT	25+86.22	S 72°05'37" E	403985.793	1032703.332	4402	SIMPLE	46°38'27" Rt	11°27'33"	500.00	407.02	215.55	44.48	e=0.020'/ft, Ls=55
4405	KOLB RD RAMP B	PC	27+74.04		403928.044	1032882.056									
4406	KOLB RD RAMP B	PI	29+89.58	S 25°27'10" E	403861.773	1033087.160	4403	SIMPLE	24°35'19" Rt	30°28'35"	188.00	80.68	40.97	4.41	e=0.020'/ft
4407	KOLB RD RAMP B	PCC	31+81.06		403667.148	1033179.795									
4408	KOLB RD RAMP B	PI	32+22.03	S 0°51'51" E	403630.154	1033197.403	4450	SIMPLE	105°29'40" Lt	38°11'50"	150.00	276.18	197.24	97.80	NC
4409	KOLB RD RAMP B	PT	32+61.74		403589.188	1033198.021									
4450	KOLB RD RAMP BI	POB	10+00.00	S 72°05'37" E	403950.882	1032889.435	4451	SIMPLE	105°29'40" Lt	38°11'50"	150.00	276.18	197.24	97.80	NC
4451	KOLB RD RAMP BI	PC	10+31.72		403941.130	1032919.615									
4452	KOLB RD RAMP BI	PI	12+28.96	N 2°24'43" E	403880.487	1033107.301	4452	SIMPLE	14°38'14" Rt	4°00'00"	1432.40	365.93	183.97	11.77	e=0.046'/ft, Ls=153
4453	KOLB RD RAMP BI	PT	13+07.90		404077.552	1033115.602									
4454	KOLB RD RAMP BI	POE	14+03.60	404173.170	1033119.629										
4500	KOLB RD RAMP C	PC	10+00.00	S 6°51'31" W	403995.734	1033284.848	4500	SIMPLE	56°48'04" Lt	28°38'52"	200.00	198.27	108.14	27.36	NC
4501	KOLB RD RAMP C	PI	11+08.14		403888.365	1033271.933									
4502	KOLB RD RAMP C	PT	11+98.27	S 49°56'33" E	403818.770	1033354.705	4501	SIMPLE	14°08'31" Lt	2°00'00"	2864.79	707.10	355.36	21.96	e=0.040'/ft, Ls=153
4503	KOLB RD RAMP C	PC	13+48.73		403721.940	1033469.868									
4504	KOLB RD RAMP C	PI	15+32.70	S 35°18'20" E	403603.548	1033610.675	4502	SIMPLE	14°08'31" Lt	2°00'00"	2864.79	707.10	355.36	21.96	e=0.040'/ft, Ls=153
4505	KOLB RD RAMP C	PT	17+14.66		403453.417	1033716.995									
4506	KOLB RD RAMP C	PC	21+14.44	S 49°26'51" E	403127.164	1033948.042	4503	SIMPLE	4°43'06" Lt	0°40'00"	8594.37	707.76	354.08	7.29	NC
4507	KOLB RD RAMP C	PI	24+69.80		402837.163	1034153.416									
4508	KOLB RD RAMP C	PCC	28+21.54	S 54°09'57" E	402606.130	1034423.420	4550	SIMPLE	120°55'18" Rt	57°17'45"	100.00	211.05	176.47	102.83	NC
4509	KOLB RD RAMP C	PI	31+75.62		402375.928	1034692.452									
4510	KOLB RD RAMP C	PT	35+29.30	402168.636	1034979.509										
4550	KOLB RD RAMP CI	PC	10+00.00	N 9°08'09" E	403683.161	1033262.108	4551	SIMPLE	120°55'18" Rt	57°17'45"	100.00	211.05	176.47	102.83	NC
4551	KOLB RD RAMP CI	PI	11+76.47		403857.390	1033290.127									
4552	KOLB RD RAMP CI	PT	12+11.05	S 49°56'33" E	403743.823	1033425.195									

APPENDIX G

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DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.25
TRACS NO. H7825 OIL			010-E(210)S		

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	26	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
4575	KOLB RD RAMP C2	POB	10+00.00		405223.820	1033277.108										
4576	KOLB RD RAMP C2	PC	11+14.00	S 0°52'03" E	405109.833	1033278.834										
4577	KOLB RD RAMP C2	PI	11+87.40		405036.440	1033279.945	4575	SIMPLE	14°13'52" Left	9°44'39"	588.00	146.05	73.40	4.56	e=0.057/ft, Ls=118	
4578	KOLB RD RAMP C2	PT	12+60.05		404965.573	1033299.065										
4579	KOLB RD RAMP C2	PC	16+39.47	S 15°05'55" E	404599.242	1033397.898										
4580	KOLB RD RAMP C2	PI	17+78.53		404464.987	1033434.119	4576	SIMPLE	30°23'21" Right	11°11'26"	512.00	271.56	139.06	18.55	e=0.060/ft, Ls=124	
4581	KOLB RD RAMP C2	PT	19+11.04		404330.854	1033397.447										
4582	KOLB RD RAMP C2	POE	23+75.72	S 15°17'27" W												
4600	KOLB RD RAMP D	PC	10+00.00	S 0°39'07" E	402845.876	1033258.665										
4601	KOLB RD RAMP D	PI	10+16.45		402829.430	1033258.852	4600	SIMPLE	10°00'00" Lt	30°28'35"	188.00	32.81	16.45	0.72	NC	
4602	KOLB RD RAMP D	PT	10+32.81		402813.265	1033261.892										
4603	KOLB RD RAMP D	PC	10+98.71	S 10°39'07" E	402748.508	1033274.072										
4604	KOLB RD RAMP D	PI	11+87.32		402661.415	1033290.452	4601	SIMPLE	72°53'29" Lt	47°44'47"	120.00	152.66	88.62	29.18	NC	
4605	KOLB RD RAMP D	PT	12+51.37		402651.450	1033378.510										
4606	KOLB RD RAMP D	PC	14+21.40	S 83°32'36" E	402632.330	1033547.459										
4607	KOLB RD RAMP D	PI	18+00.06		402589.748	1033923.719	4602	SIMPLE	22°25'44" Rt	3°00'00"	1909.86	747.63	378.66	37.18	e=0.044/ft, Ls=106	
4608	KOLB RD RAMP D	PCC	21+69.02	S 61°06'52" E	402406.831	1034255.270										
4609	KOLB RD RAMP D	PI	26+22.75		402187.656	1034652.543	4603	SIMPLE	6°56'55" Rt	0°46'00"	7473.36	906.33	453.72	13.76	NC	
4610	KOLB RD RAMP D	PT	30+75.36		401922.028	1035020.383										
4611	KOLB RD RAMP D	POE	36+59.52	S 54°09'57" E	401580.035	1035493.973										
4650	KOLB RD RAMP DI	PC	10+00.00	N 21°27'41" W	402553.577	1033314.084										
4651	KOLB RD RAMP DI	PI	11+04.68		402650.999	1033275.785	4650	SIMPLE	117°55'05" Rt	90°56'44"	63.00	129.66	104.68	59.18	NC	
4652	KOLB RD RAMP DI	PT	11+29.66	S 83°32'36" E	402639.227	1033379.800										
4700	KOLB RD DDI NB	POB	10+00.00		405222.972	1033221.114										
4701	KOLB RD DDI NB	PC	15+37.20	S 0°52'03" E	404685.837	1033229.247										
4702	KOLB RD DDI NB	PI	16+53.58		404569.469	1033231.009	4700	SIMPLE	6°58'27" Lt	3°00'00"	1909.86	232.47	116.38	3.54	e=0.044/ft, Ls=106	
4703	KOLB RD DDI NB	PT	17+69.67		404454.177	1033246.887										
4704	KOLB RD DDI NB	PC	20+35.64	S 7°50'30" E	404190.695	1033283.175										
4705	KOLB RD DDI NB	PI	21+91.59		404036.206	1033304.452	4701	SIMPLE	23°07'56" Rt	7°31'09"	762.00	307.65	155.95	15.79	NC	
4706	KOLB RD DDI NB	PT	23+43.29		403885.779	1033263.326										
4707	KOLB RD DDI NB	PC	23+71.11	S 15°17'27" W	403858.939	1033255.988										
4708	KOLB RD DDI NB	PI	23+89.69		403841.021	1033251.089	4702	SIMPLE	13°04'57" Rt	35°22'04"	162.00	36.99	18.58	1.06	NC	
4709	KOLB RD DDI NB	PT	24+08.10		403824.677	1033242.262										
4710	KOLB RD DDI NB	PC	24+85.06	S 28°22'23" W	403756.959	1033205.688										
4711	KOLB RD DDI NB	PI	24+85.06		403720.329	1033185.904	4703	SIMPLE	40°26'58" Lt	50°42'15"	113.00	79.78	41.63	7.42	NC	
4712	KOLB RD DDI NB	PT	25+64.84		403679.619	1033194.614										
4713	KOLB RD DDI NB	PC	26+17.41	S 12°04'34" E	403628.208	1033205.613										
4714	KOLB RD DDI NB	PI	26+37.04		403609.017	1033209.719	4704	SIMPLE	11°12'32" Rt	28°38'52"	200.00	39.13	19.63	0.96	NC	
4715	KOLB RD DDI NB	PT	26+56.54		403589.393	1033210.016										
4716	KOLB RD DDI NB	PC	27+05.81	S 0°52'03" E	403540.124	1033210.762										
4717	KOLB RD DDI NB	PI	34+00.56		402845.421	1033218.667										
4718	KOLB RD DDI NB	PT	34+17.01	S 0°39'07" E	402828.975	1033218.854	4705	SIMPLE	10°00'00" Rt	30°28'35"	188.00	32.81	16.45	0.72	NC	
4719	KOLB RD DDI NB	PC	34+33.37		402812.745	1033216.183										
4720	KOLB RD DDI NB	PI	34+94.66	S 9°20'53" W	402752.278	1033206.229										
4721	KOLB RD DDI NB	PT	35+34.21		402713.250	1033199.804	4706	SIMPLE	38°54'06" Lt	51°09'25"	112.00	76.04	39.55	6.78	NC	
4722	KOLB RD DDI NB	POE	35+70.70		402678.843	1033219.313										

APPENDIX G

All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings
 All bearings and angles have been rounded to the nearest second.
 Use the control points provided and their respective state plane coordinates to re-establish the centerline of each roadway.

G.A.F. = 1.00016

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.26
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	27	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
4723	KOLB RD DDI NB	PC	36+79.11	S 29°33'13" E	402584.534	1033272.787										
4724	KOLB RD DDI NB	PI	37+74.13		402501.883	1033319.652	4707	SIMPLE	33°52'27" Rt	18°21'51"	312.00	184.46	95.01	14.15	NC	
4725	KOLB RD DDI NB	PT	38+63.57		402407.139	1033312.494										
4726	KOLB RD DDI NB	PC	43+07.30	S 4°19'14" W	401964.672	1033279.065										
4727	KOLB RD DDI NB	PI	44+31.37		401840.956	1033269.718	4708	SIMPLE	4°57'35" Lt	2°00'00"	2864.79	247.98	124.07	2.69	e=0.035/ft, Ls=84	
4728	KOLB RD DDI NB	PT	45+55.28	S 0°38'21" E	401716.896	1033271.102										
4729	KOLB RD DDI NB	PI	49+76.61		401295.593	1033275.801										
4730	KOLB RD DDI NB	POE	53+74.64	S 0°38'21" E	400897.585	1033280.241										
4800	KOLB RD DDI SB	POB	10+00.00		405222.313	1033177.619										
4801	KOLB RD DDI SB	PC	15+31.23	S 0°52'03" E	404691.139	1033185.662										
4802	KOLB RD DDI SB	PI	16+57.47		404564.919	1033187.573	4800	SIMPLE	7°33'47" Rt	3°00'00"	1909.86	252.10	126.23	4.17	e=0.044/ft, Ls=106	
4803	KOLB RD DDI SB	PT	17+83.34		404439.546	1033172.855										
4804	KOLB RD DDI SB	PC	19+95.39	S 6°41'44" W	404228.937	1033148.130										
4805	KOLB RD DDI SB	PI	21+66.46		404059.035	1033128.184	4801	SIMPLE	25°18'22" Lt	7°31'09"	762.00	336.56	171.07	18.97	NC	
4806	KOLB RD DDI SB	PT	23+31.95		403896.912	1033182.778										
4807	KOLB RD DDI SB	PC	23+77.49	S 18°36'38" E	403853.750	1033197.313										
4808	KOLB RD DDI SB	PI	23+92.75		403839.287	1033202.183	4802	SIMPLE	10°45'47" Lt	35°22'04"	162.00	30.43	15.26	0.72	NC	
4809	KOLB RD DDI SB	PT	24+07.92		403825.988	1033209.669										
4810	KOLB RD DDI SB	PC	24+88.38	S 29°22'25" E	403755.880	1033249.130										
4811	KOLB RD DDI SB	PI	25+27.50		403721.787	1033268.320	4803	SIMPLE	38°30'34" Rt	51°09'25"	112.00	75.28	39.12	6.64	NC	
4812	KOLB RD DDI SB	PT	25+63.65		403683.161	1033262.108										
4813	KOLB RD DDI SB	PC	26+24.95	S 9°08'09" W	403622.642	1033252.376										
4814	KOLB RD DDI SB	PI	26+41.40		403606.397	1033249.764	4804	SIMPLE	10°00'11" Lt	30°28'35"	188.00	32.82	16.45	0.72	NC	
4815	KOLB RD DDI SB	PT	26+57.77		403589.946	1033250.013										
4816	KOLB RD DDI SB	PC	27+07.07	S 0°52'03" E	403540.654	1033250.759										
4817	KOLB RD DDI SB	PI	34+01.89		402845.876	1033258.665										
4818	KOLB RD DDI SB	PT	34+18.34	S 0°39'07" E	402829.430	1033258.852	4805	SIMPLE	10°00'00" Lt	30°28'35"	188.00	32.81	16.45	0.72	NC	
4819	KOLB RD DDI SB	PC	34+34.70		402813.265	1033261.892										
4820	KOLB RD DDI SB	PI	34+95.98	S 10°39'07" E	402753.041	1033273.219										
4821	KOLB RD DDI SB	PT	35+35.17		402714.532	1033280.462	4806	SIMPLE	38°33'57" Rt	51°09'25"	112.00	75.39	39.18	6.66	NC	
4822	KOLB RD DDI SB	PC	35+71.37		402679.906	1033262.118										
4823	KOLB RD DDI SB	PI	36+57.83	S 27°54'50" W	402603.505	1033221.642										
4824	KOLB RD DDI SB	PT	37+61.80		402511.635	1033172.971	4807	SIMPLE	28°19'31" Lt	13°54'24"	412.00	203.68	103.97	12.92	NC	
4825	KOLB RD DDI SB	PC	38+61.51		402407.671	1033173.718										
4826	KOLB RD DDI SB	PI	40+37.01	S 0°24'41" E	402232.175	1033174.979										
4827	KOLB RD DDI SB	PT	41+58.18		402111.016	1033175.849	4808	SIMPLE	7°15'36" Lt	3°00'00"	1909.86	242.00	121.16	3.84	NC	
4828	KOLB RD DDI SB	PC	42+79.01		401990.939	1033192.023										
4829	KOLB RD DDI SB	PI	44+55.85	S 7°40'17" E	401815.687	1033215.629										
4830	KOLB RD DDI SB	PT	45+73.20		401699.384	1033231.295	4809	SIMPLE	7°01'57" Rt	3°00'00"	1909.86	234.41	117.35	3.60	e=0.044/ft, Ls=106	
4831	KOLB RD DDI SB	PC	46+90.26		401582.037	1033232.604										
4832	KOLB RD DDI SB	PI	50+85.42	S 0°38'21" E	401186.903	1033237.011										
4833	KOLB RD DDI SB	POE	53+75.20	S 0°38'21" E	400897.139	1033240.244										
4900	KOLB RD NB MAINLINE	POB	10+00.00		405223.335	1033245.112										
4901	KOLB RD NB MAINLINE	PC	11+14.00	S 0°52'03" E	405109.348	1033246.838										
4902	KOLB RD NB MAINLINE	PI	12+48.18		404975.180	1033248.869	4900	SIMPLE	8°02'16" Lt	3°00'00"	1909.86	267.93	134.18	4.71	e=0.044/ft, Ls=106	
4903	KOLB RD NB MAINLINE	PT	13+81.93		404842.615	1033269.640										
4904	KOLB RD NB MAINLINE	PC	21+92.02	S 8°54'19" E	404042.285	1033395.043										

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APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.27
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL				010-E(210)S	OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	28	32	

010 PM 260

DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO. DATE: LOCATION: REVISIONS: FINISHED PLANS: SURVEY NO.

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super
					Northing	Easting									
4905	KOLB RD NB MAINLINE	PI	23+93.37		403843.358	1033426.213	4901	SIMPLE	8°02'27" Rt	2°00'00"	2864.79	402.05	201.35	7.07	e=0.035/ft, Ls=84
4906	KOLB RD NB MAINLINE	PT	25+94.07		403642.026	1033429.250									
4907	KOLB RD NB MAINLINE	PI	26+93.07	S 8°54'19" E	402689.202	1033440.459									
4908	KOLB RD NB MAINLINE	PI	26+93.07	S 0°51'51" E	402689.202	1033440.459									
4909	KOLB RD NB MAINLINE	PC	35+46.96		402689.202	1033440.459	4902	SIMPLE	8°04'35" Rt	2°00'00"	2864.79	403.81	202.24	7.13	e=0.035/ft, Ls=84
4910	KOLB RD NB MAINLINE	PI	37+49.20	S 0°39'07" E	402486.972	1033442.760									
4911	KOLB RD NB MAINLINE	PT	39+50.77		402286.426	1033416.627									
4912	KOLB RD NB MAINLINE	PC	47+45.99	S 7°25'28" W	401497.873	1033313.871	4903	SIMPLE	8°03'48" Lt	2°00'00"	2864.79	403.17	201.92	7.11	e=0.035/ft, Ls=84
4913	KOLB RD NB MAINLINE	PI	49+47.91		401297.647	1033287.779									
4914	KOLB RD NB MAINLINE	PT	51+49.17		401095.740	1033290.031									
4915	KOLB RD NB MAINLINE	POE	53+47.20	S 0°38'21" E	400897.719	1033292.240									
5000	KOLB RD SB MAINLINE	POB	10+00.00		405222.132	1033165.621									
5001	KOLB RD SB MAINLINE	PC	12+00.00	S 0°52'03" E	405022.154	1033168.649									
5002	KOLB RD SB MAINLINE	PI	13+94.29		404827.888	1033171.59	5000	SIMPLE	11°37'02" Rt	3°00'00"	1909.86	387.24	194.29	9.86	e=0.044/ft, Ls=106
5003	KOLB RD SB MAINLINE	PT	15+87.24		404637.009	1033135.351									
5004	KOLB RD SB MAINLINE	PC	18+97.63	S 10°45'00" W	404332.071	1033077.457									
5005	KOLB RD SB MAINLINE	PI	21+88.98		404045.832	1033023.113	5001	SIMPLE	11°36'51" Lt	2°00'00"	2864.79	580.71	291.35	14.78	e=0.035/ft, Ls=84
5006	KOLB RD SB MAINLINE	PT	24+78.34	S 0°51'51" E	403754.512	1033027.508									
5007	KOLB RD SB MAINLINE	PI	26+95.13		403537.743	1033030.778									
5008	KOLB RD SB MAINLINE	PC	36+72.37	S 0°39'07" E	402560.569	1033041.897									
5009	KOLB RD SB MAINLINE	PI	39+81.62		402251.336	1033045.416	5002	SIMPLE	12°19'21" Lt	2°00'00"	2864.79	616.12	309.25	16.64	e=0.035/ft, Ls=84
5010	KOLB RD SB MAINLINE	PT	42+88.49		401949.977	1033114.848									
5011	KOLB RD SB MAINLINE	PC	44+54.71	S 12°58'28" E	401788.004	1033152.166									
5012	KOLB RD SB MAINLINE	PI	47+64.29		401486.329	1033221.671	5003	SIMPLE	12°20'07" Rt	2°00'00"	2864.79	616.76	309.58	16.68	e=0.035/ft, Ls=84
5013	KOLB RD SB MAINLINE	PT	50+71.47	S 0°38'21" E	401176.769	1033225.124									
5200	N ALVERNON WAY RAMP A	POB	0+00.00		434500.421	1011926.033									
5201	N ALVERNON WAY RAMP A	PC	1+53.55	N 88°04'24" E	434505.583	1012079.500									
5202	N ALVERNON WAY RAMP A	PI	3+52.31		434512.265	1012278.140	5100	SIMPLE	41°46'17" Lt	11°00'00"	520.87	379.74	198.75	36.63	e=0.060/ft, Ls=124
5203	N ALVERNON WAY RAMP A	PT	5+33.29		434649.574	1012421.837									
5204	N ALVERNON WAY RAMP A	POE	8+44.58	N 46°18'07" E	434864.625	1012646.890									
5200	N ALVERNON WAY RAMP B	PC	0+00.00	S 1°39'43" E	434376.385	1011823.048									
5201	N ALVERNON WAY RAMP B	PI	1+19.98		434256.456	1011826.527	5200	SIMPLE	112°36'40" Lt	71°37'11"	80.00	157.23	119.98	64.21	NC
5202	N ALVERNON WAY RAMP B	PT	1+57.23	N 65°43'37" E	434305.777	1011935.901									
5300	N ALVERNON WAY RAMP C	PC	0+00.00	S 1°39'43" E	434400.417	1011865.218									
5301	N ALVERNON WAY RAMP C	PI	0+90.60		434309.850	1011867.846	5300	SIMPLE	112°58'25" Lt	95°29'35"	60.00	118.31	90.60	48.67	NC
5302	N ALVERNON WAY RAMP C	PRC	1+18.31	N 65°21'52" E	434347.618	1011950.204									
5303	N ALVERNON WAY RAMP C	PI	3+51.96		434445.015	1012162.591	5301	SIMPLE	23°02'58" Rt	5°00'00"	1145.92	460.99	233.65	23.58	e=0.040/ft, Ls=77
5304	N ALVERNON WAY RAMP C	PT	5+79.30		434451.483	1012396.156									
5305	N ALVERNON WAY RAMP C	POE	12+85.29	N 88°24'50" E	434471.023	1013101.876									
5400	N ALVERNON WAY RAMP D	POB	6+91.58	S 3°05'38" E	434533.057	1011803.476									
5401	N ALVERNON WAY RAMP D	PI	8+12.40		434412.411	1011809.997									
5402	N ALVERNON WAY RAMP D	PI	9+05.22	S 1°39'43" E	434319.632	1011812.689									
5403	N ALVERNON WAY RAMP D	PI	10+00.00	S 0°29'47" W	434224.855	1011811.868									
5404	N ALVERNON WAY RAMP D	PI	11+11.33	S 1°36'41" E	434113.573	1011814.999									

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APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			GEOMETRIC DATA SHEET SYSTEM ALT I		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-01.28
TRACS NO. H7825 OIL		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	29	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
5405	N ALVERNON WAY RAMP D	PC	19+03.50	S 2°16'55" E	433322.026	1011846.540										
5406	N ALVERNON WAY RAMP D	PI	20+15.00	S 2°16'55" E	433210.611	1011850.979	5400	SIMPLE	8°32'04" Lt	3°50'03"	1494.39	222.59	111.50	4.15	e=0.046/ft, Ls=102	
5407	N ALVERNON WAY RAMP D	PT	21+26.10	S 10°48'58" E	433101.088	1011871.904										
5500	GOLF LINKS RD RAMP WN	PC	0+00.00		432182.130	1012440.266										
5501	GOLF LINKS RD RAMP WN	PI	3+43.08	N 15°59'50" W	432511.922	1012345.718	5500	SIMPLE	4°34'19" Rt	0°40'00"	8594.32	685.79	343.08	6.84	NC	
5502	GOLF LINKS RD RAMP WN	PCC	6+85.79		432848.201	1012277.759										
5503	GOLF LINKS RD RAMP WN	PI	13+93.50	N 11°25'30" W	433541.889	1012137.570	5501	SIMPLE	34°19'16" Rt	2°30'00"	2291.83	1372.84	707.71	106.78	e=0.051/ft, Ls=204	
5504	GOLF LINKS RD RAMP WN	PT	20+58.64		434193.842	1012412.912										
5505	GOLF LINKS RD RAMP WN	POE	21+56.44	N 22°53'46" E	434283.942	1012450.964										
5600	GOLF LINKS RD RAMP EN	POB	10+00.00		434234.994	1010608.538										
5601	GOLF LINKS RD RAMP EN	PC	14+03.54	S 70°10'33" E	434098.140	1010988.161										
5602	GOLF LINKS RD RAMP EN	PI	17+84.84		433968.828	1011346.863	5600	SIMPLE	49°57'23" Lt	7°00'00"	818.51	713.66	381.30	84.46	e=0.058/ft, Ls=90	
5603	GOLF LINKS RD RAMP EN	PT	21+17.20		434160.237	1011676.636										
5604	GOLF LINKS RD RAMP EN	PC	23+30.93	N 59°52'05" E	434267.531	1011861.489										
5605	GOLF LINKS RD RAMP EN	PI	25+39.13		434372.045	1012041.554	5601	SIMPLE	28°32'33" Rt	7°00'00"	818.51	407.75	208.20	26.06	e=0.058/ft, Ls=90	
5606	GOLF LINKS RD RAMP EN	PT	27+38.68		434377.821	1012249.672										
5607	GOLF LINKS RD RAMP EN	PC	35+44.55	N 88°24'37" E	434400.176	1013055.224										
5608	GOLF LINKS RD RAMP EN	PI	39+15.69		434410.471	1013426.222	5602	SIMPLE	60°01'14" Lt	8°55'00"	642.57	673.13	371.14	99.48	e=0.060/ft, Ls=133	
5609	GOLF LINKS RD RAMP EN	PT	42+17.67		434736.976	1013602.687										
5610	GOLF LINKS RD RAMP EN	POE	46+31.59	N 28°23'23" E	435101.115	1013799.491										
5700	GOLF LINKS RD RAMP SW	PC	0+00.00		434507.672	1010193.787										
5701	GOLF LINKS RD RAMP SW	PI	2+47.30	S 73°01'52" E	434435.497	1010430.320	5700	SIMPLE	6°10'35" Lt	1°15'00"	4583.66	494.12	247.30	6.67	NC	
5702	GOLF LINKS RD RAMP SW	PCC	4+94.12		434389.190	1010673.245										
5703	GOLF LINKS RD RAMP SW	PI	7+12.57	S 79°12'28" E	434348.285	1010887.835	5701	SIMPLE	17°20'34" Lt	4°00'00"	1432.39	433.57	218.45	16.56	e=0.046/ft, Ls=102	
5704	GOLF LINKS RD RAMP SW	PT	9+27.69		434373.205	1011104.862										
5705	GOLF LINKS RD RAMP SW	PC	12+87.12	N 83°26'59" E	434414.208	1011461.953										
5706	GOLF LINKS RD RAMP SW	PI	13+54.03		434421.840	1011528.422	5702	SIMPLE	5°20'55" Rt	4°00'00"	1432.39	133.71	66.91	1.56	e=0.046/ft, Ls=102	
5707	GOLF LINKS RD RAMP SW	PT	14+20.84		434423.243	1011595.313										
5708	GOLF LINKS RD RAMP SW	PC	17+63.98	N 88°47'54" E	434430.440	1011938.380										
5709	GOLF LINKS RD RAMP SW	PI	20+59.08		434436.629	1012233.415	5703	SIMPLE	44°47'13" Lt	8°00'00"	716.20	559.84	295.10	58.41	e=0.060/ft, Ls=133	
5710	GOLF LINKS RD RAMP SW	PT	23+84.91		434648.865	1012438.450										
5711	GOLF LINKS RD RAMP SW	POE	29+69.24	N 44°00'41" E	435113.055	1012886.892										
5800	GOLF LINKS RD RAMP SE	PC	0+00.00		435748.108	1013933.166										
5801	GOLF LINKS RD RAMP SE	PI	7+19.93	S 71°17'32" W	435517.194	1013251.268	5800	SIMPLE	31°09'16" Lt	2°13'07"	2582.48	1404.22	719.93	98.47	NC	
5802	GOLF LINKS RD RAMP SE	PT	14+04.22		434966.807	1012787.179										
5803	GOLF LINKS RD RAMP SE	PC	22+60.00	S 40°08'16" W	434312.562	1012235.517										
5804	GOLF LINKS RD RAMP SE	PI	31+43.34		433637.254	1011666.093	5801	SIMPLE	62°53'48" Lt	3°58'00"	1444.39	1585.59	883.34	248.70	e=0.051/ft, Ls=184	
5805	GOLF LINKS RD RAMP SE	PT	38+45.59		432822.693	1012007.817										
5806	GOLF LINKS RD RAMP SE	PC	47+40.17	S 22°45'32" E	431997.767	1012353.891										
5807	GOLF LINKS RD RAMP SE	PI	48+40.72		431905.048	1012392.788	5802	SIMPLE	6°45'43" Rt	3°21'59"	1701.95	200.86	100.55	2.97	NC	
5808	GOLF LINKS RD RAMP SE	PT	49+41.03	S 15°59'50" E	431808.395	1012420.497										
5900	AJO WAY RAMP A	POB	10+00.00		434461.758	1010094.983										
5901	AJO WAY RAMP A	PI	14+66.40	S 66°10'33" E	434273.364	1010521.641										
5902	AJO WAY RAMP A	PC	23+59.83	S 66°10'33" E	433912.479	1011338.940										

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G.A.F. = 1.00016

APPENDIX G

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT I	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.29
SR 210	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL		010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	30	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super
					Northing	Easting									
5903	AJO WAY RAMP A	PI	27+96.51	S 66°10'33" E	433736.090	1011738.411	5900	SIMPLE	55°21'51" Rt	6°53'00"	832.39	804.32	436.68	107.59	e=0.060/ft, Ls=147
5904	AJO WAY RAMP A	PT	31+64.15		433307.160	1011820.324									
5905	AJO WAY RAMP A	PC	33+76.18	S 10°48'42" E	433098.894	1011860.097									e=0.050/ft, Entrance Ls=120
5906	AJO WAY RAMP A	PI	34+83.67		432993.319	1011880.259	5901	SIMPLE	8°09'45" Lt	3°48'13"	1506.39	214.60	107.48	3.83	Exit Ls=180
5907	AJO WAY RAMP A	PT	35+90.79		432891.675	1011915.206									
5908	AJO WAY RAMP A	PC	48+53.32	S 18°58'27" E	431697.739	1012325.709									
5909	AJO WAY RAMP A	PI	56+19.46		430973.231	1012574.811	5902	SIMPLE	56°16'53" Rt	4°00'00"	1432.39	1407.03	766.13	192.02	e=0.051/ft, Ls=184
5910	AJO WAY RAMP A	PT	62+60.36		430363.850	1012110.465									
5911	AJO WAY RAMP A	PC	65+93.91	S 37°18'26" W	430098.545	1011908.304									
5912	AJO WAY RAMP A	PI	66+68.86		430038.931	1011862.879	5903	SIMPLE	6°44'15" Rt	4°30'00"	1273.24	149.72	74.95	2.20	e=0.054/ft, Ls=194
5913	AJO WAY RAMP A	PT	67+43.63		429985.059	1011810.773									
5914	AJO WAY RAMP A	PC	70+73.40	S 44°02'41" W	429748.019	1011581.508									
5915	AJO WAY RAMP A	PI	72+99.65		429585.391	1011424.214	5904	SIMPLE	6°44'15" Rt	4°30'00"	1273.24	149.72	74.95	2.20	e=0.053/ft, Ls=177
5916	AJO WAY RAMP A	PT	75+18.99		429372.168	1011348.550									
5917	AJO WAY RAMP A	POE	77+49.12	S 19°32'16" W	429155.281	1011271.585									
6000	AJO WAY RAMP B	POB	10+00.00		430461.449	1012396.902									
6001	AJO WAY RAMP B	PC	11+88.77	S 28°33'59" W	430295.656	1012306.635									
6002	AJO WAY RAMP B	PI	12+98.25		430199.511	1012254.288	6000	SIMPLE	8°44'27" Rt	4°00'00"	1432.39	218.52	109.47	4.18	e=0.057/ft, Ls=161
6003	AJO WAY RAMP B	PT	14+07.29		430112.437	1012187.938									
6004	AJO WAY RAMP B	PC	16+09.29	S 37°18'26" W	429951.772	1012065.512									
6005	AJO WAY RAMP B	PI	19+94.35		429645.492	1011832.128	6001	SIMPLE	20°56'32" Lt	2°45'00"	2083.48	761.54	385.07	35.28	e=0.042/ft, Ls=101
6006	AJO WAY RAMP B	PT	23+70.83		429276.026	1011723.634									
6007	AJO WAY RAMP B	POE		S 16°21'54" W	429057.002	1011659.317									
6100	AJO WAY RAMP C	POB	10+00.00		429057.002	1011659.317									
6101	AJO WAY RAMP C	PC	11+81.29	S 18°36'36" W	428885.187	1011601.461									
6102	AJO WAY RAMP C	PI	15+21.31		428562.951	1011492.954	6100	SIMPLE	13°32'14" Lt	2°00'00"	2864.79	676.86	340.01	20.11	e=0.040/ft, Entrance Ls=153
6103	AJO WAY RAMP C	PCC	18+58.16		428224.269	1011462.889									Exit Ls=102
6104	AJO WAY RAMP C	PI	22+73.01	S 5°04'22" W	427811.044	1011426.207	6101	SIMPLE	5°31'37" Lt	0°40'00"	8594.32	829.06	414.85	10.01	NC
6105	AJO WAY RAMP C	PT	26+87.21		427396.208	1011429.495									
6200	AJO WAY RAMP D	POB	10+00.00		429158.293	1011259.969									
6201	AJO WAY RAMP D	PC	12+42.11	S 9°32'16" W	428919.526	1011219.851									
6202	AJO WAY RAMP D	PI	15+25.84		428639.718	1011172.838	6200	SIMPLE	16°54'01" Lt	3°00'00"	1909.86	563.34	283.73	20.96	e=0.044/ft, Ls=106
6203	AJO WAY RAMP D	PT	18+05.45		428358.327	1011209.196									
6204	AJO WAY RAMP D	PC	19+08.63	S 7°21'45" E	428255.998	1011222.418									
6205	AJO WAY RAMP D	PI	23+59.72		427808.634	1011280.221	6201	SIMPLE	6°54'29" Rt	0°46'00"	7473.43	901.07	451.08	13.60	NC
6206	AJO WAY RAMP D	PT	28+09.71		427357.565	1011283.797									
6300	SR 210 MEDIAN	POB	370+61.64		434671.574	1009795.645									
6301	SR 210 MEDIAN	PC	371+70.18	S 54°42'24" E	434608.861	1009884.239									
6302	SR 210 MEDIAN	PI	373+27.44		434518.004	1010012.592	6300	SIMPLE	18°19'28" Lt	5°52'35"	975.00	311.83	157.26	12.60	e=0.059/ft, EB Ls=147
6303	SR 210 MEDIAN	PT	374+82.01		434472.108	1010163.003									WB Ls=221
6304	SR 210 MEDIAN	PC	382+28.57	S 73°01'52" E	434254.224	1010877.059									
6305	SR 210 MEDIAN	PI	392+66.27		433951.368	1011869.585	6301	SIMPLE	57°02'03" Rt	3°00'00"	1909.86	1901.14	1037.70	263.71	e=0.059/ft, Ls=191
6306	SR 210 MEDIAN	PT	401+29.71		432953.848	1012155.564									
6307	SR 210 MEDIAN	PC	413+03.81	S 15°59'50" E	431825.206	1012479.135									
6308	SR 210 MEDIAN	PI	421+88.64		430974.644	1012722.983	6302	SIMPLE	53°18'16" Rt	3°15'00"	1762.95	1640.13	884.83	209.59	e=0.060/ft, Ls=382

APPENDIX G

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DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			ALTERNATIVE I GEOMETRIC DATA SHEET		
ROUTE	SR 210	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.30
TRACS NO.	H7825 OIL		010-E(210)S		OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	31	32	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
6309	SR 210 MEDIAN	PT	429+43.95		430270.855	1012186.700										
6310	SR 210 MEDIAN	PC	436+24.28	S 37°18'26" W	429729.720	1011774.357										
6311	SR 210 MEDIAN	PI	443+36.83		429162.958	1011342.488	6303	SIMPLE	37°45'41" Lt	2°45'00"	2083.48	1373.14	712.55	118.48	e=0.058/ft, Ls=287	
6312	SR 210 MEDIAN	PT	449+97.42		428450.428	1011348.136										
6313	SR 210 MEDIAN	PC	462+50.57	S 0°27'15" E	427197.325	1011358.070										
6314	SR 210 MEDIAN	PI	465+87.18		426860.719	1011360.738	6304	SIMPLE	19°59'30" Lt	3°00'00"	1909.86	666.39	336.62	29.44	e=0.059/ft, Ls=382	
6315	SR 210 MEDIAN	PT	469+16.96		426545.308	1011478.326										
6316	SR 210 MEDIAN	PC	477+94.23	S 20°26'45" E	425723.299	1011784.777										
6317	SR 210 MEDIAN	PI	481+31.02		425407.723	1011902.427	6305	SIMPLE	20°00'07" Rt	3°00'00"	1909.86	666.73	336.79	29.47	e=0.059/ft,	
6318	SR 210 MEDIAN	PT	484+60.96	S 0°26'38" E	425070.940	1011905.036									EB Entrance Ls=287	
6319	SR 210 MEDIAN	PI	489+25.85		424606.066	1011908.638									EB Exit Ls=382	
6320	SR 210 MEDIAN	PI	516+15.92	S 0°13'57" E	421916.021	1011919.555									WB Entrance Ls=382	
6321	SR 210 MEDIAN	PI	522+86.58	S 0°07'21" W	421245.356	1011918.123									WB Exit Ls=287	
6322	SR 210 MEDIAN	POE	526+22.42	S 0°20'51" E	420909.528	1011920.161										
6400	COUNTRY CLUB RD	POB	74+40.12		428547.576	1006566.391										
6401	COUNTRY CLUB RD	POE	116+90.12	S 0°51'19" E	424298.050	1006629.830										
6500	VALENCIA RD	PC	72+63.47		415221.595	1020948.932										
6501	VALENCIA RD	PI	83+74.28	S 18°29'53" E	414168.177	1020596.503	6500	SIMPLE	72°01'49" Rt	3°44'59"	1528.05	1921.01	1110.81	361.09		
6502	VALENCIA RD	PT	91+84.48		414178.419	1019485.741										
6503	VALENCIA RD	POE	116+64.86	N 89°28'18" W	414201.291	1017005.466										
6600	CRAYCROFT RD	POB	88+79.84		409834.017	1022575.609										
6601	CRAYCROFT RD	PI	104+42.73	N 0°06'07" E	411396.913	1022578.389										
6602	CRAYCROFT RD	PI	106+95.64	N 0°41'40" E	411649.796	1022581.454										
6603	CRAYCROFT RD	PC	112+42.54		412196.693	1022578.109										
6604	CRAYCROFT RD	PI	113+72.19	N 0°21'02" W	412326.339	1022577.316	6600	SIMPLE	11°03'09" Rt	4°16'33"	1340.00	258.49	129.65	6.26		
6605	CRAYCROFT RD	PRC	115+01.03		412453.733	1022601.392										
6606	CRAYCROFT RD	PI	116+12.74	N 10°42'08" E	412563.497	1022622.137	6601	SIMPLE	9°31'51" Lt	4°16'33"	1340.00	222.90	111.71	4.65		
6607	CRAYCROFT RD	PT	117+23.93		412675.180	1022624.421										
6608	CRAYCROFT RD	POE	119+95.73	N 1°17'10" E	412946.918	1022629.977										
6700	WILMOT RD	POB	80+36.04		409041.104	1027927.049										
6701	WILMOT RD	PI	107+20.24	S 0°33'49" E	406357.037	1027953.456										
6702	WILMOT RD	POE	120+55.49	S 0°34'03" E	405021.855	1027966.680										
6800	N ALVERNON RD	POB	5+40.31		434712.066	1011822.312										
6801	N ALVERNON RD	POE	10+00.00	S 1°39'43" E	434252.566	1011835.644										
6900	GL SE TO AJO WAY RD RAMP A	PC	10+00.00		432615.770	1012081.613										
6901	GL SE TO AJO WAY RD RAMP A	PI	12+49.85	S 22°45'32" E	432385.374	1012178.268	6900	SIMPLE	4°59'38" Rt	1°00'00"	5729.58	499.38	249.85	5.45		
6902	GL SE TO AJO WAY RD RAMP A	PCC	14+99.38		432147.438	1012254.502										
6903	GL SE TO AJO WAY RD RAMP A	PI	17+18.01	S 17°45'55" E	431939.240	1012321.208	6901	SIMPLE	8°43'41" Rt	2°00'00"	2864.79	436.40	218.62	8.33		
6904	GL SE TO AJO WAY RD RAMP A	PT	19+35.78		431723.330	1012355.548										
6905	GL SE TO AJO WAY RD RAMP A	POE	22+03.55	S 9°02'14" E	431458.887	1012397.607										
7000	AJO WAY	PC			429393.922	1010742.563										
7001	AJO WAY	PI	94+96.93	S 54°07'21" E	429235.762	1010961.233	7000	SIMPLE	21°20'23" Lt	4°00'00"	1432.39	533.49	269.87	25.20		

APPENDIX G

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G.A.F. = 1.00016

DESIGN	MKO/JBC	DATE	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	DATE	10-17		
CHECKED	PNB	DATE	12-17		
JACOBS			ALTERNATIVE I GEOMETRIC DATA SHEET		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-01.31
SR 210	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO.	H7825 OIL	010-E(210)S			OF

Centerline Geometric Data Sheet

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.	010-E(210)S	32	32	

010 PM 260

DATE - LOCATION - REVISIONS - FINISHED PLANS - SURVEY NO. - DATE - LOCATION - REVISIONS - FINISHED PLANS - SURVEY NO. - DATE - LOCATION - REVISIONS - FINISHED PLANS - SURVEY NO.

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.										
					Northing	Easting		Type	Delta	DOC	Radius	L	T	Ext	Super		
7002	AJO WAY	PT	97+60.55		429168.019	1011222.464											
7003	AJO WAY	PC	101+32.00	S 75°27'44" E	429074.778	1011582.022											
7004	AJO WAY	PI	103+25.21		429026.280	1011769.040	7001	SIMPLE	15°21'49" Lt	4°00'00"	1432.39	384.09	193.20	12.97			
7005	AJO WAY	PT	105+16.09	N 89°10'27" E	429029.065	1011962.223											
7006	AJO WAY	POE	107+13.96		429031.916	1012160.068											
8000	KINO PKWY	POB	84+35.25		428109.895	1001157.362											
8001	KINO PKWY	PC	87+50.17	N 19°01'35" W	428407.612	1001054.698											
8002	KINO PKWY	PI	90+14.10		428657.122	1000968.657	8000	SIMPLE	18°18'55" Rt	3°29'58"	1637.22	523.35	263.93	21.14			
8003	KINO PKWY	PT	92+73.53	N 0°42'40" W	428921.030	1000965.381											
8004	KINO PKWY	POE	709+75.00		430622.370	1000944.266											

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APPENDIX G

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17	ROADWAY DESIGN SERVICES	
CHECKED	PNB	12-17	ALTERNATIVE I GEOMETRIC DATA SHEET	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-01.32
TRACS NO. H7825 OIL			010-E(210)S	OF