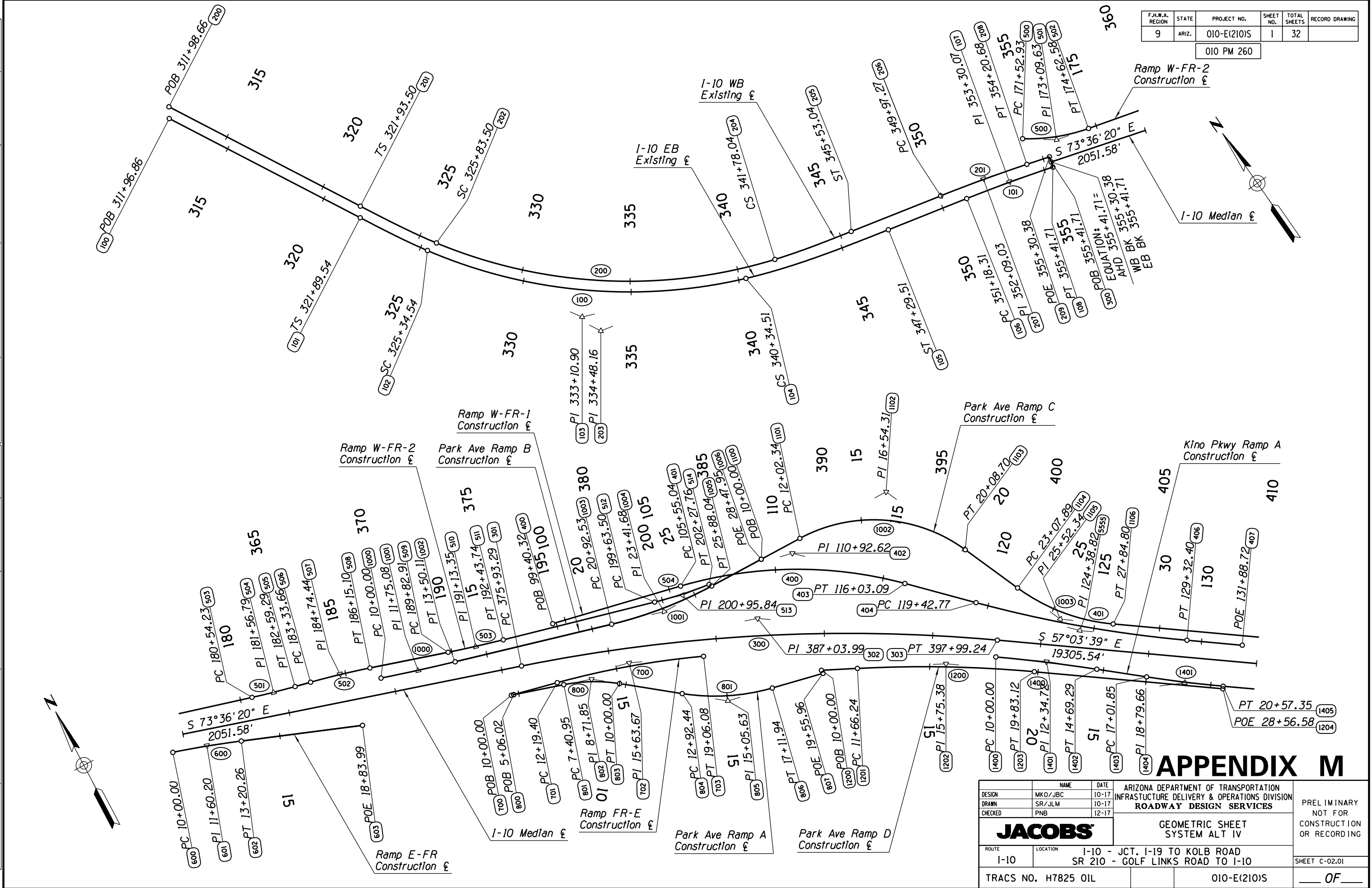


REVISIONS- FINISHED PLANS- SURVEY NO. DATE- LOCATION- FINISHED PLANS- SURVEY NO. DATE- LOCATION- FINISHED PLANS- SURVEY NO. DATE- LOCATION- FINISHED PLANS- SURVEY NO. DATE- LOCATION-

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

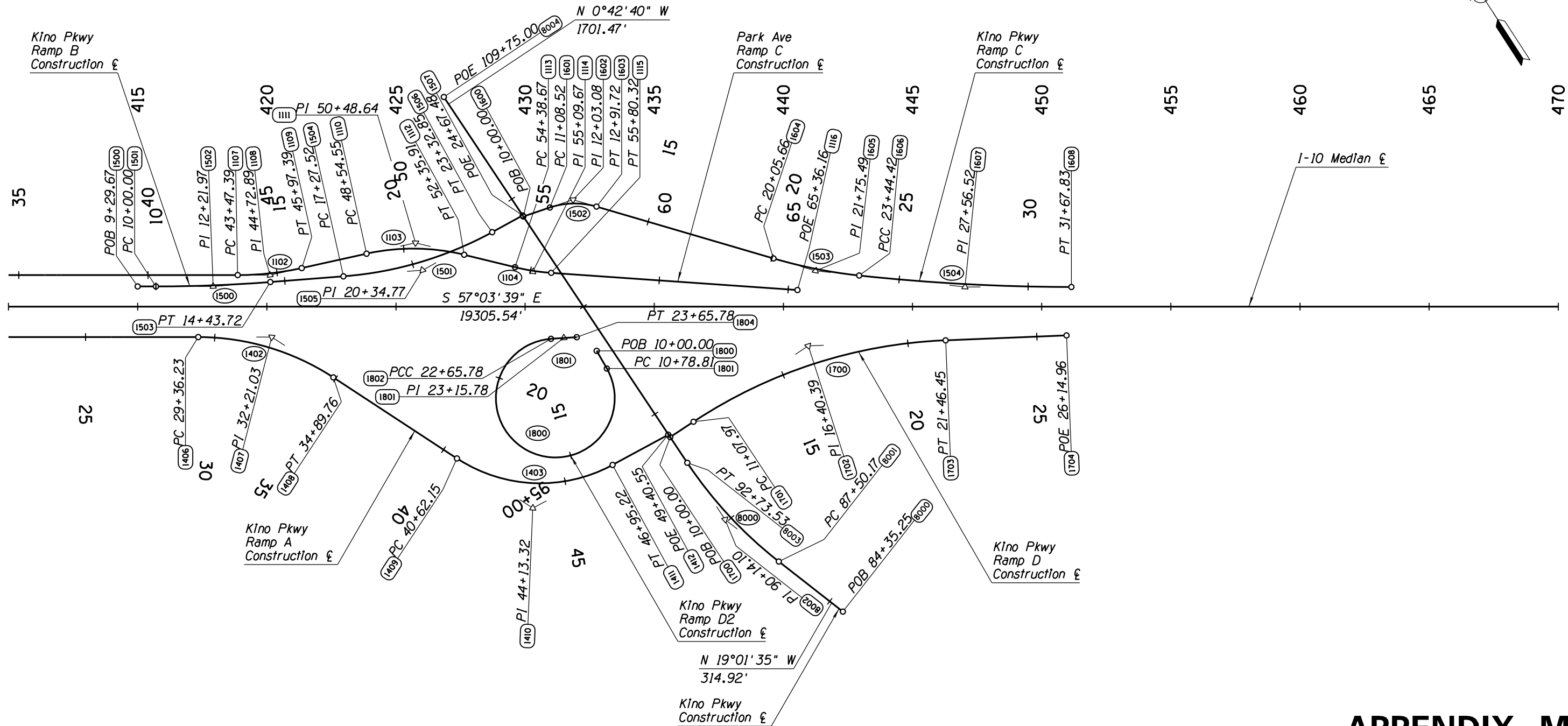
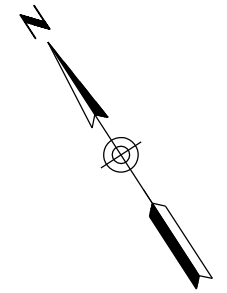


APPENDIX M

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 IV			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.01
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



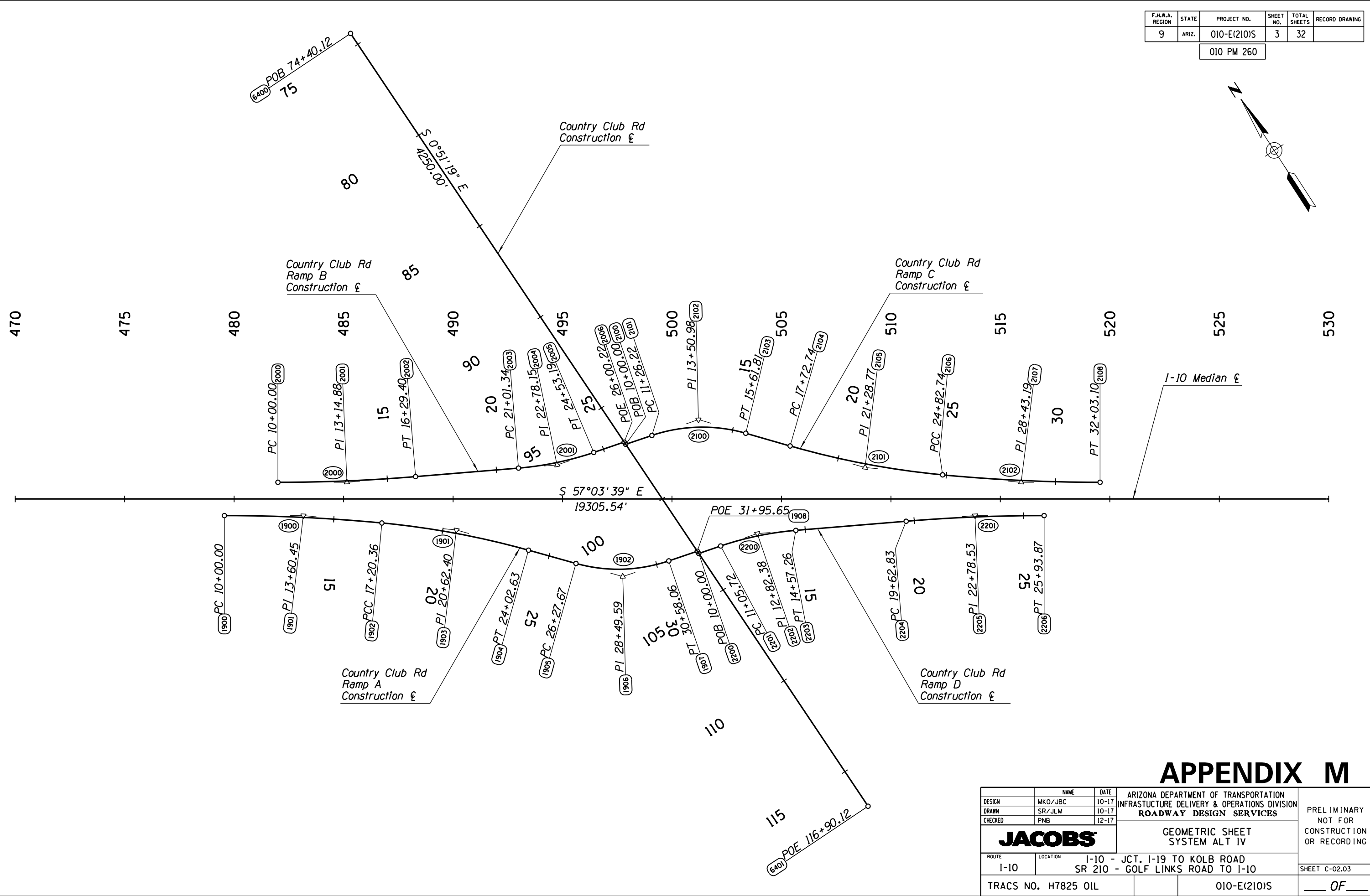
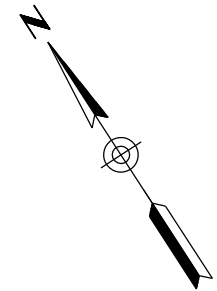
APPENDIX M

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 IV	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.02
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. LOCATION. REVISIONS. FINISHED PLANS. DATE. LOCATION. REVISIONS.

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



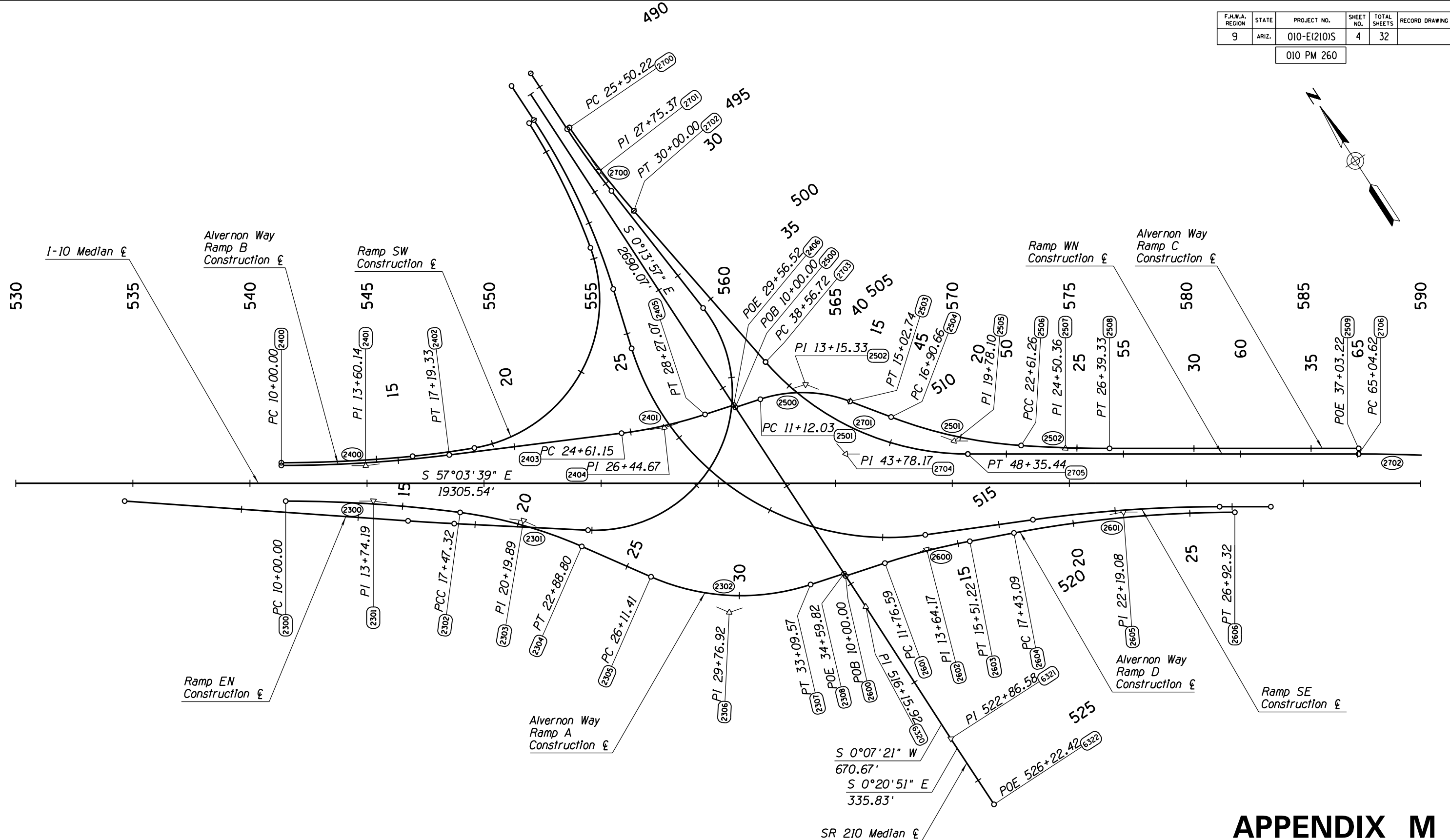
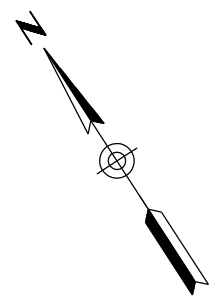
APPENDIX M

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 IV	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.03
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 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.

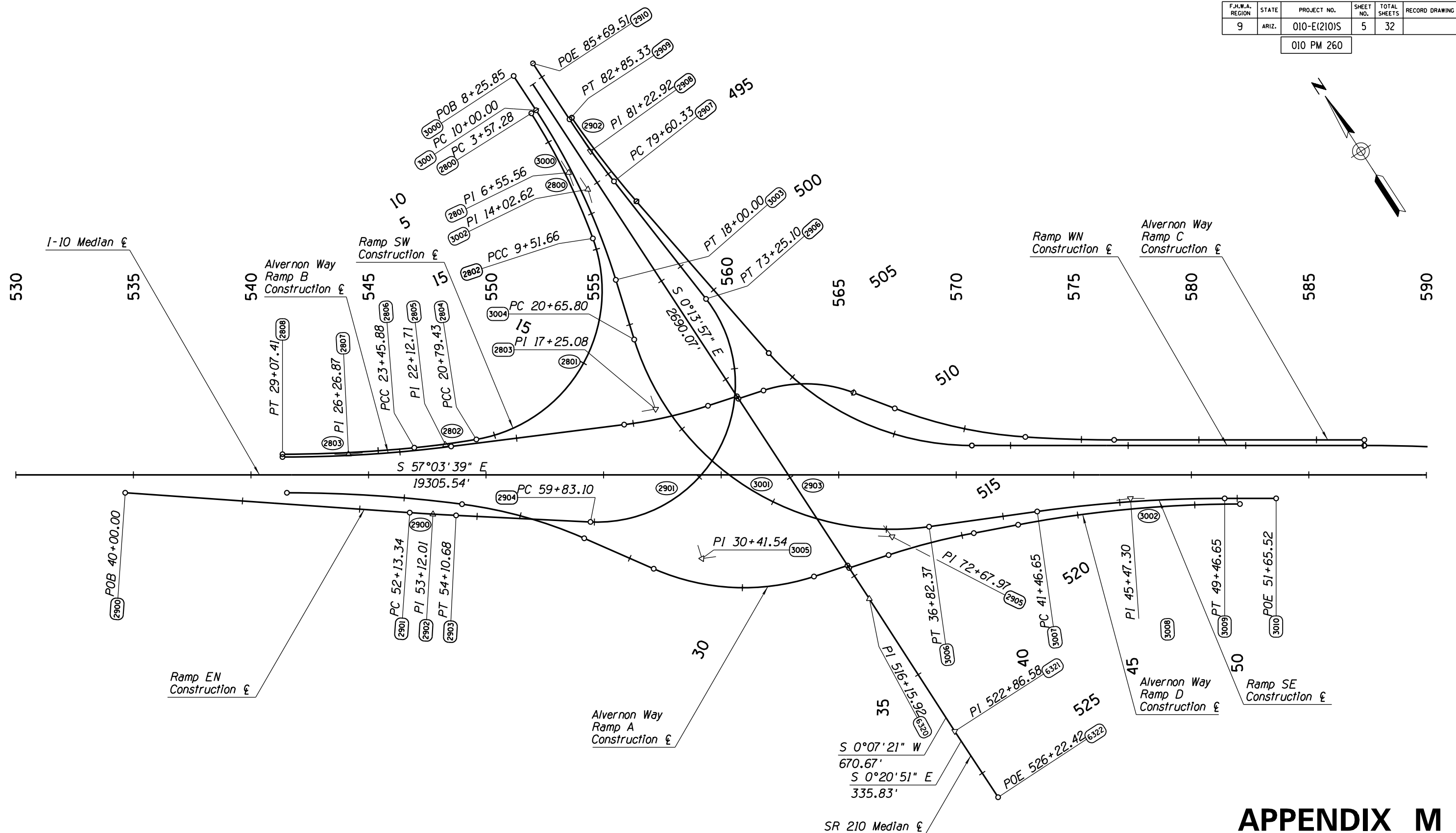
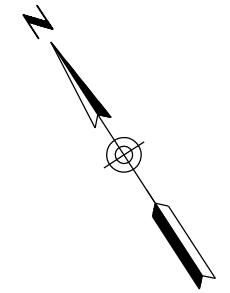
APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.04
TRACS NO. H7825 OIL			010-E(210)S		
					OF

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

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



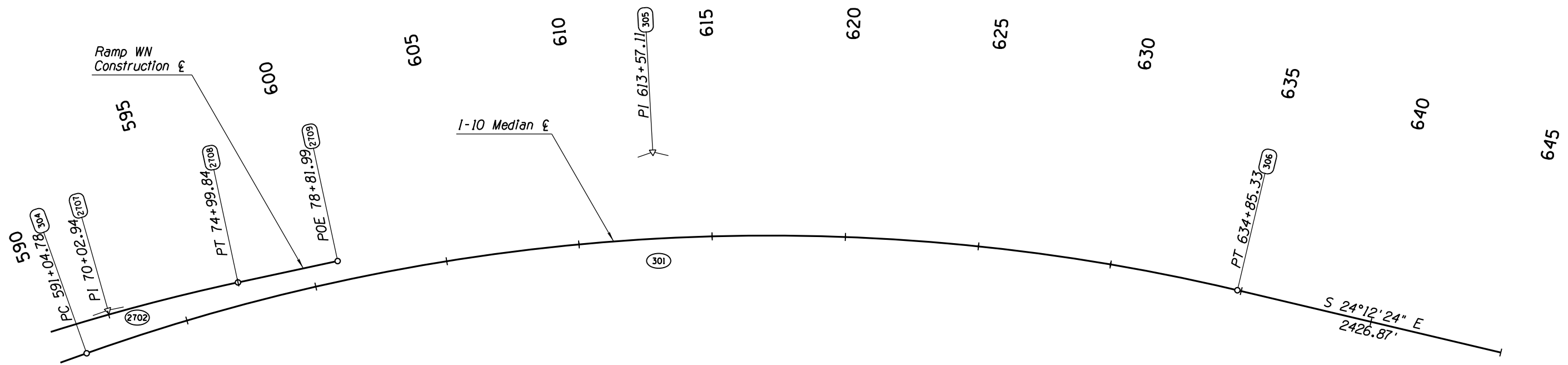
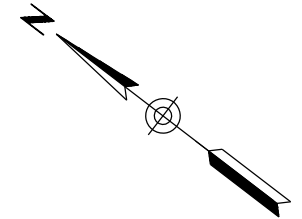
APPENDIX M

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 IV		
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-02.05	
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



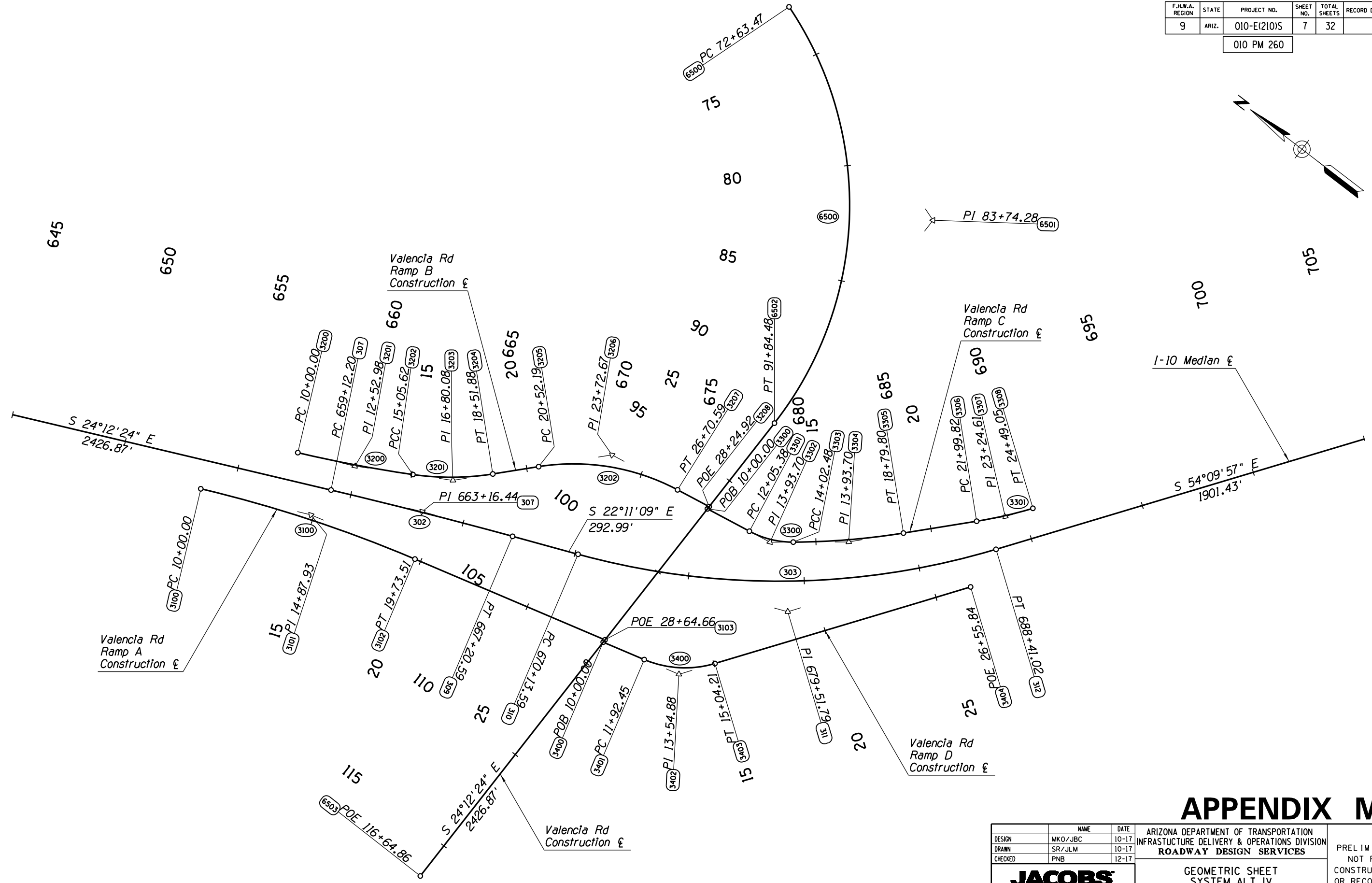
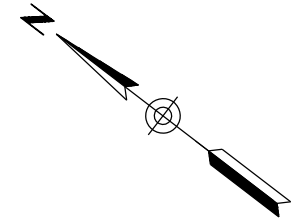
APPENDIX M

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 IV	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.06
	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 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	7	32	

010 PM 260



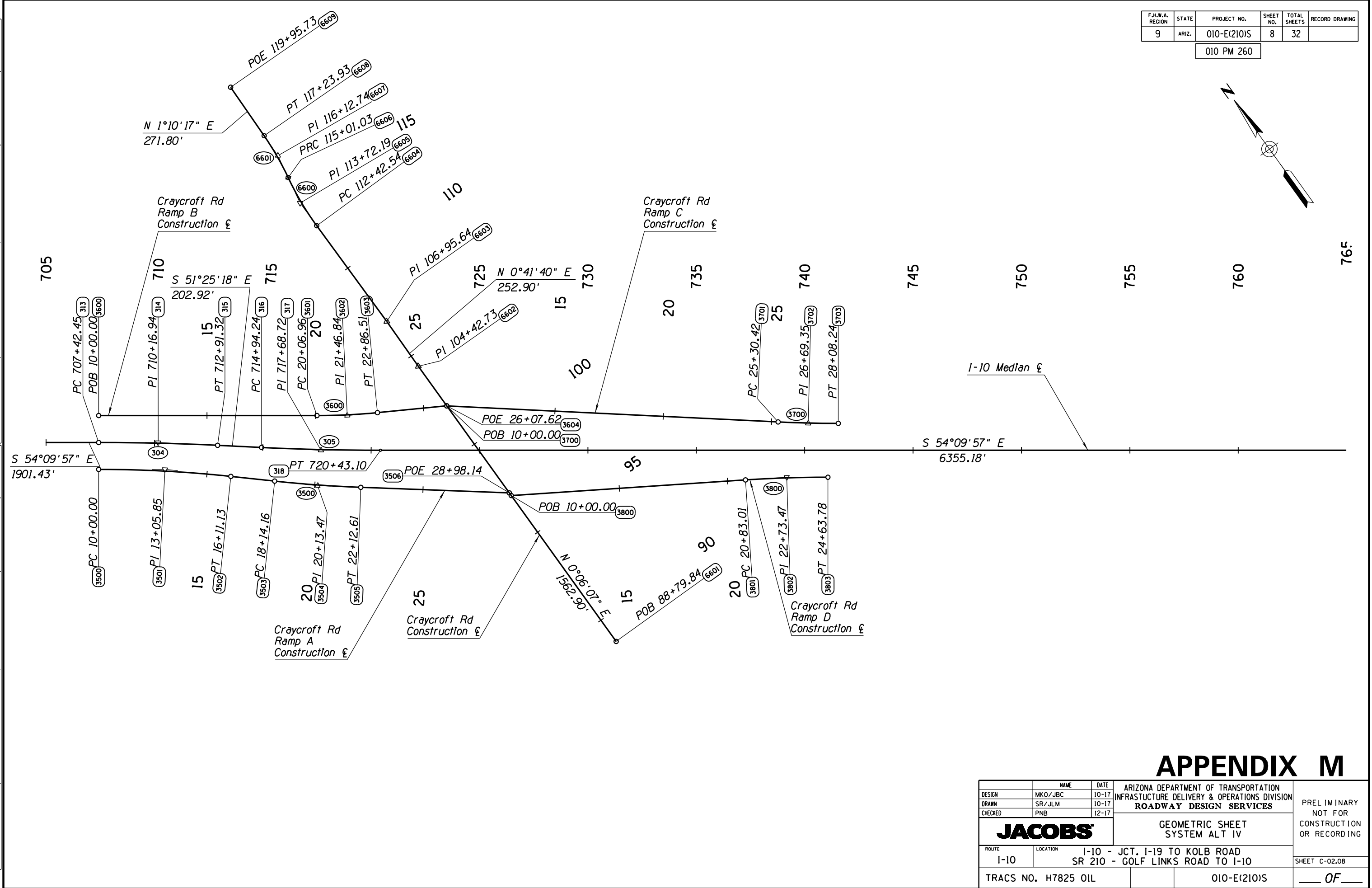
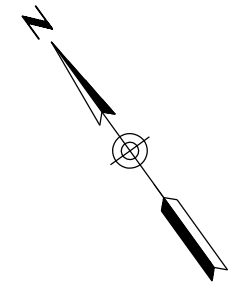
APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-02.07
TRACS NO. H7825 OIL		010-E(210)S		OF

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



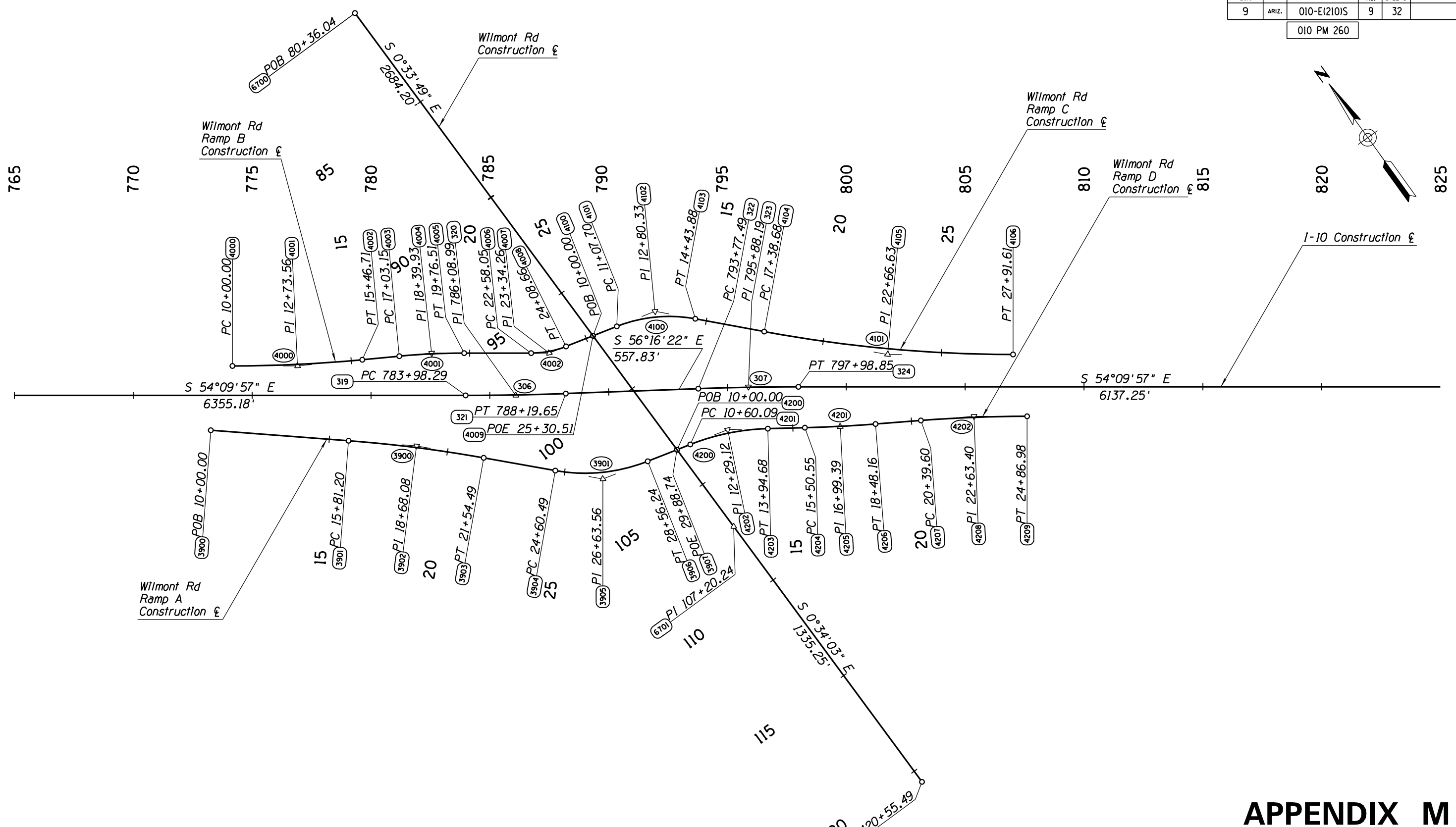
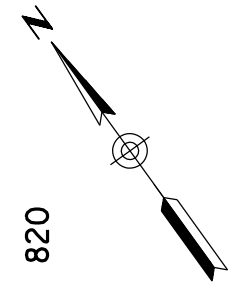
APPENDIX M

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 IV	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD		SHEET C-02.08	
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 DATE LOCATION REVISIONS DATE LOCATION REVISIONS DATE LOCATION REVISIONS

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



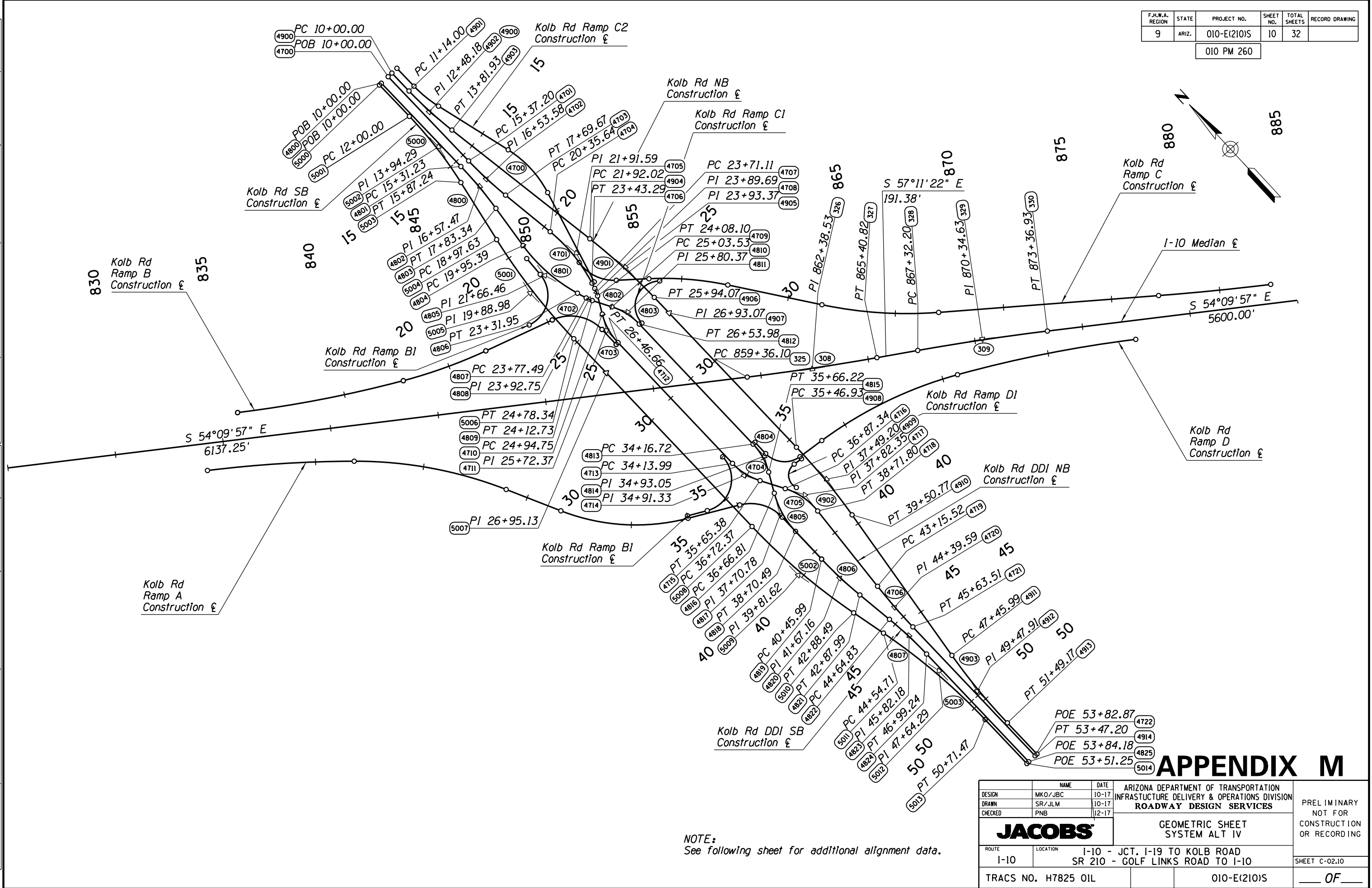
APPENDIX M

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 IV	
ROUTE	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.09	
	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. FINISHED PLANS. SURVEY NO.

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 M

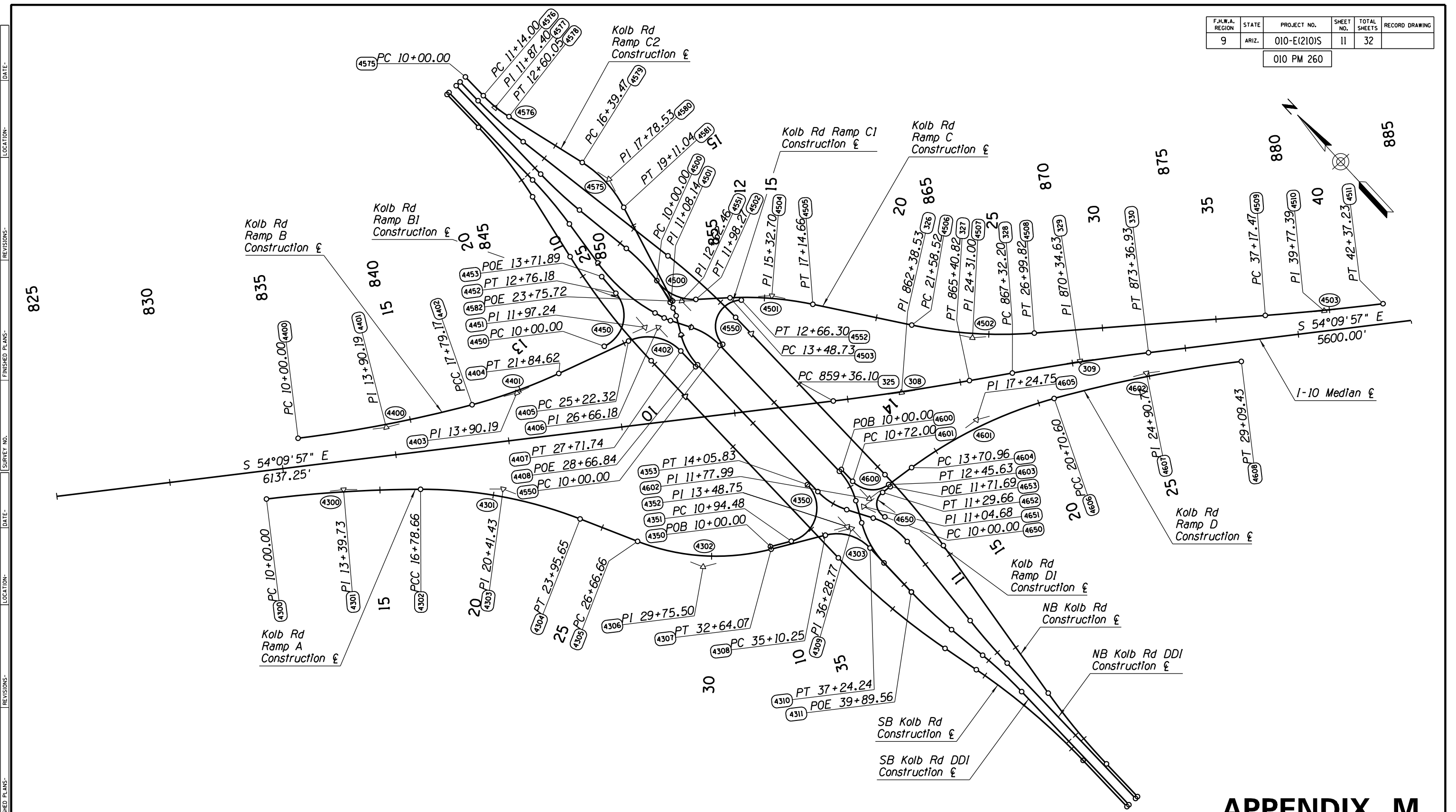
NOTE:
See following sheet for additional alignment data.

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.10
I-10	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. 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	11	32	

010 PM 260



NOTE:
See following sheet for additional alignment data.

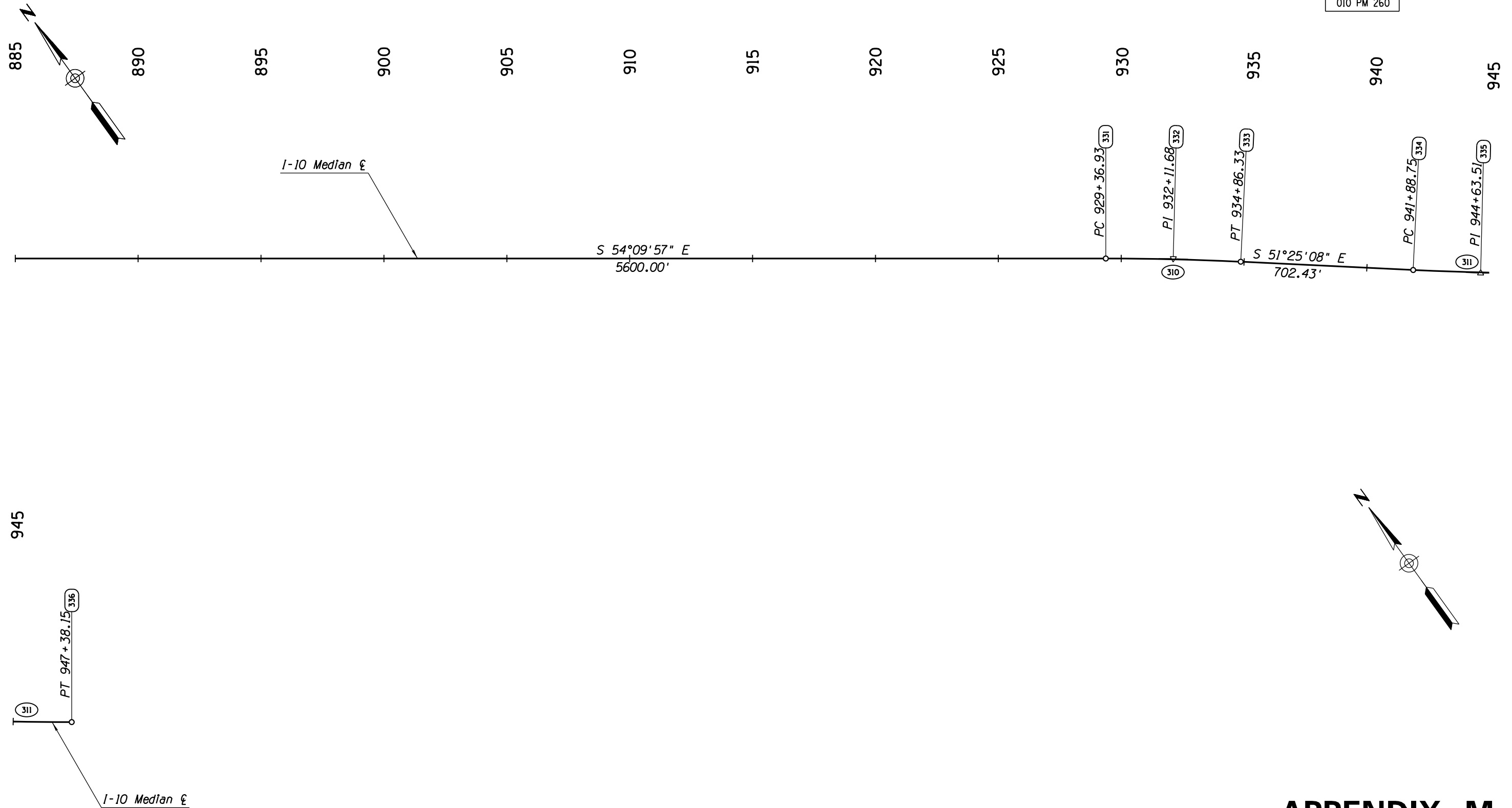
APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.11
I-10	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	12	32	

010 PM 260



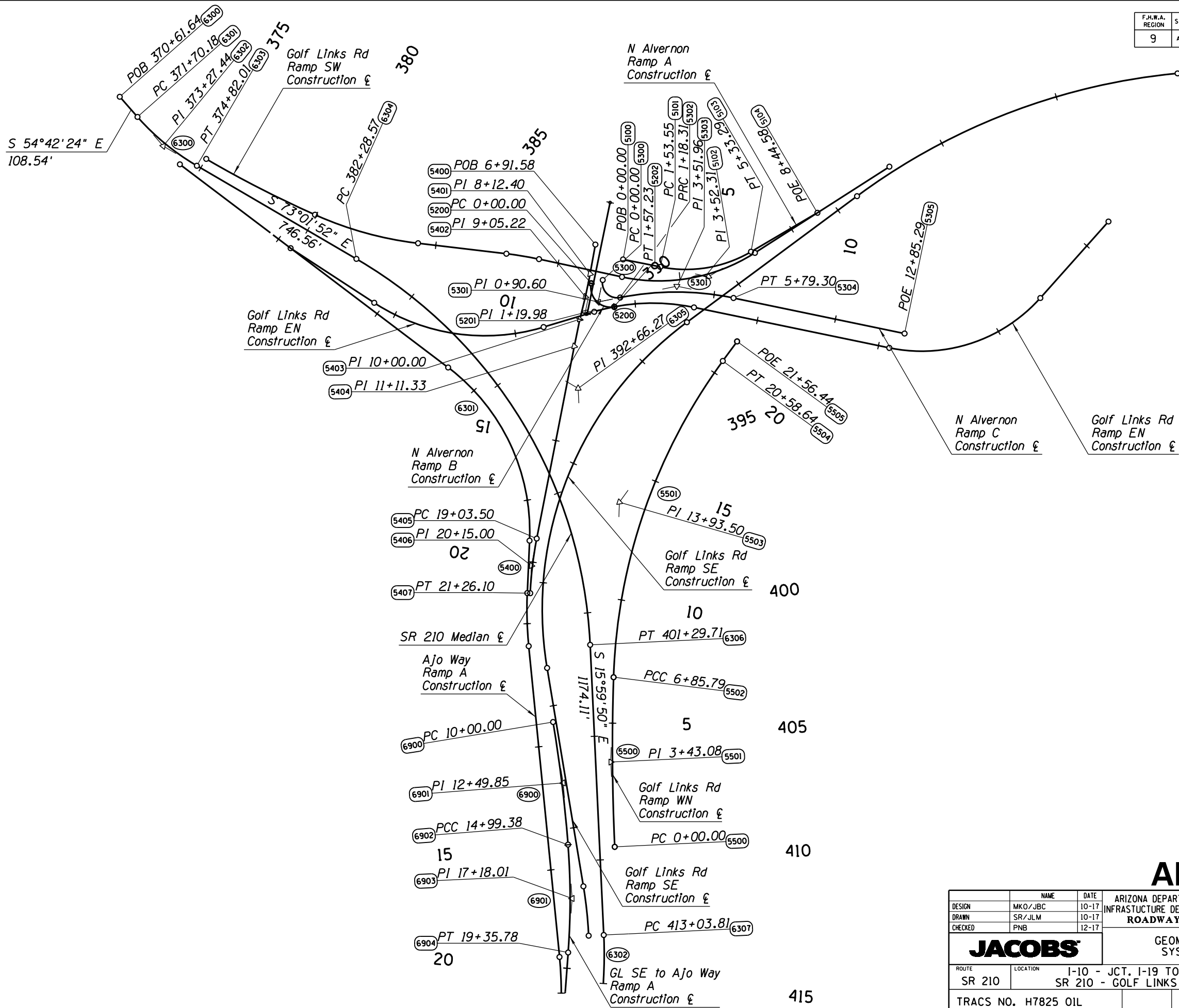
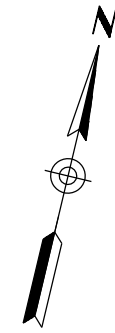
APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-02.12
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



APPENDIX M

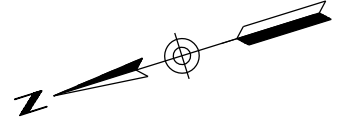
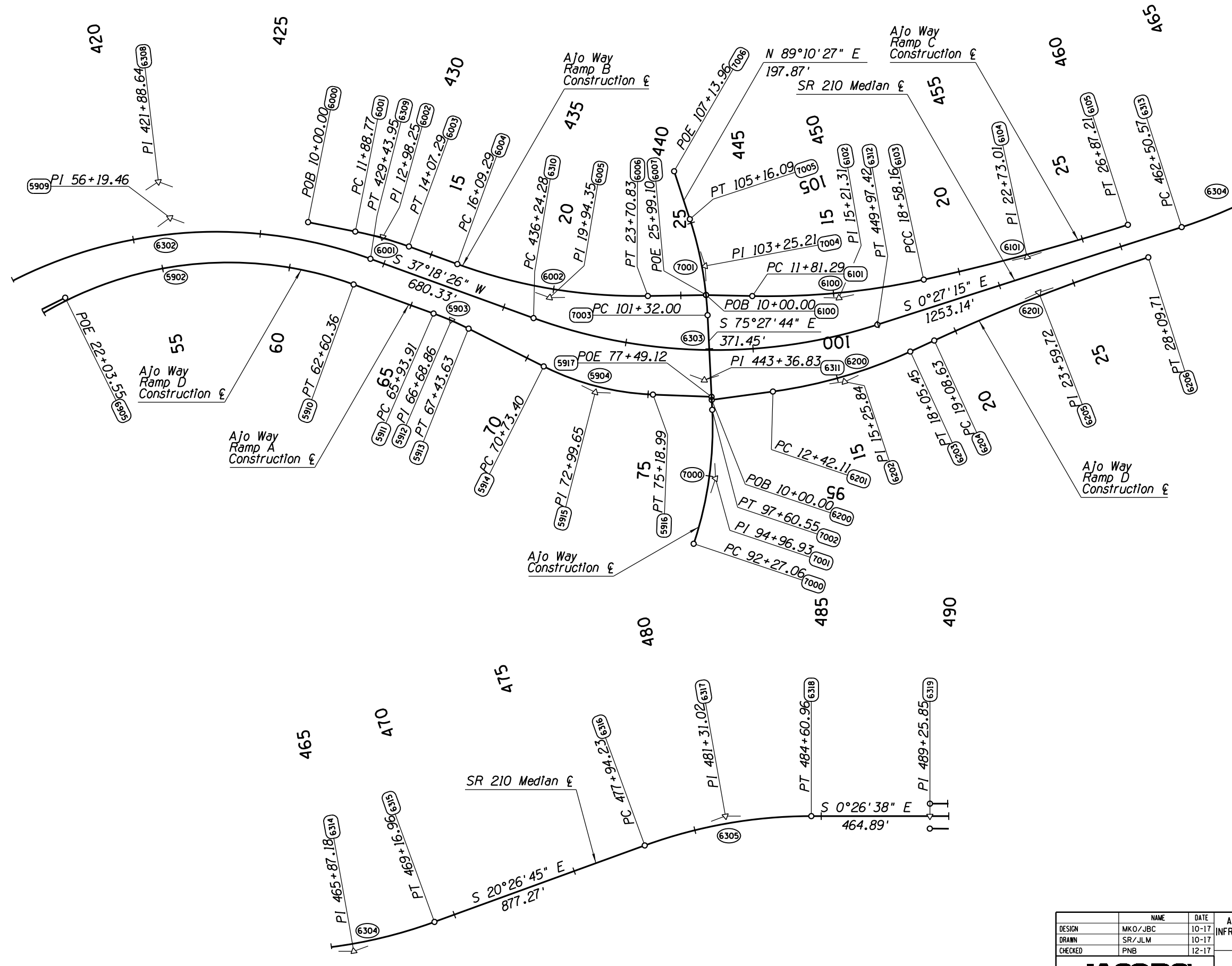
DESIGN	MKO/JBC	10-17	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY & OPERATIONS DIVISION ROADWAY DESIGN SERVICES	PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING
DRAWN	SR/JLM	10-17		
CHECKED	PNB	12-17		
JACOBS			GEOMETRIC SHEET SYSTEM ALT IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-02.14
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 REVISIONS LOCATION DATE REVISIONS FINISHED PLANS 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	15	32	

010 PM 260



APPENDIX M

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 IV	
ROUTE	SR 210	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10	SHEET C-02.15
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	16	30	

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, Ls=225	
306	I-10 MEDIAN	PT	634+85.33		417734.149	1017096.843										
307	I-10 MEDIAN	PC	659+12.20	S 24°12'24" E	415520.672	1018091.935										
308	I-10 MEDIAN	PI	663+16.44		415151.977	1018257.685	302	SIMPLE	2°01'16" Rt	0°15'00"	22918.31	808.39	404.24	3.56	NC	
309	I-10 MEDIAN	PT	667+20.59		414777.667	1018410.330										
310	I-10 MEDIAN	PC	670+13.59	S 22°11'09" E	414506.365	1018520.968										
311	I-10 MEDIAN	PI	679+51.79		413637.624	1018875.244	303	SIMPLE	31°58'48" Lt	1°45'00"	3274.04	1827.43	938.20	131.77	e=0.046'/ft, Ls=258	
312	I-10 MEDIAN	PT	688+41.02		413088.363	1019635.859										
313	I-10 MEDIAN	PC	707+42.45	S 54°09'57" E	411975.190	1021177.377										
314	I-10 MEDIAN	PI	710+16.94		411814.495	1021399.906	304	SIMPLE	2°44'40" Rt	0°30'00"	11459.16	548.86	274.48	3.29	NC	
315	I-10 MEDIAN	PT	712+91.32		411643.330	1021614.486										
316	I-10 MEDIAN	PC	714+94.24	S 51°25'18" E	411516.791	1021773.122										
317	I-10 MEDIAN	PI	717+68.72		411345.626	1021987.702	305	SIMPLE	2°44'40" Lt	0°30'00"	11459.16	548.86	274.48	3.29	NC	
318	I-10 MEDIAN	PT	720+43.10		411184.931	1022210.231										
319	I-10 MEDIAN	PC	783+98.29	S 54°09'57" E	407464.350	1027362.477										
320	I-10 MEDIAN	PI	786+08.99		407340.994	1027533.301	306	SIMPLE	2°06'25" Lt	0°30'00"	11459.16	421.37	210.71	1.94	NC	
321	I-10 MEDIAN	PT	788+19.65		407224.001	1027708.544										
322	I-10 MEDIAN	PC	793+77.49	S 56°16'22" E	406914.269	1028172.488										
323	I-10 MEDIAN	PI	795+88.19		406797.276	1028347.731	307	SIMPLE	2°06'25" Rt	0°30'00"	11459.16	421.37	210.71	1.94	NC	
324	I-10 MEDIAN	PT	797+98.85		406673.920	1028518.555										
325	I-10 MEDIAN	PC	859+36.10	S 54°09'57" E	403080.929	1033494.115										
326	I-10 MEDIAN	PI	862+38.53		402903.873	1033739.301	308	SIMPLE	3°01'25" Lt	0°30'00"	11459.16	604.72	302.43	3.99	NC	
327	I-10 MEDIAN	PT	865+40.82		402739.996	1033993.486										

APPENDIX M

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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 IV		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.16
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	17	30	

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										
328	I-10 MEDIAN	PC	867+32.20	S 57°11'22" E	402636.295	1034154.334										
329	I-10 MEDIAN	PI	870+34.63		402472.419	1034408.518	309	SIMPLE	3°01'25" Rt	0°30'00"	11459.16	604.72	302.43	3.99	NC	
330	I-10 MEDIAN	PT	873+36.93		402295.362	1034653.705										
331	I-10 MEDIAN	PC	929+36.93	S 54°09'57" E	399016.897	1039193.712										
332	I-10 MEDIAN	PI	932+11.68		398856.045	1039416.458	310	SIMPLE	2°44'49" Rt	0°30'00"	11459.16	549.40	274.75	3.29	NC	
333	I-10 MEDIAN	PT	934+86.33		398684.703	1039631.240										
334	I-10 MEDIAN	PC	941+88.75	S 51°25'08" E	398246.655	1040180.345										
335	I-10 MEDIAN	PI	944+63.51		398075.313	1040395.127	311	SIMPLE	2°44'49" Lt	0°30'00"	11459.16	549.40	274.75	3.29	NC	
336	I-10 MEDIAN	PT	947+38.15	S 54°09'57" E	397914.461	1040617.873										
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	401	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	402	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 AI	POE	5+06.02		432327.422	995990.079										
801	PARK AVE RAMP AI	PC	7+40.95	S 73°30'01" E	432260.698	996215.336										
802	PARK AVE RAMP AI	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	
803	PARK AVE RAMP AI	PT	10+00.00		432145.050	996445.620									Exit Ls=74	

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APPENDIX M

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 IV			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.17
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	30	

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										
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	
806	PARK AVE RAMP A1	PT	17+11.94	S 78°20'17" E	431798.848	997059.111										Entrance Ls=81
807	PARK AVE RAMP A1	POE	19+55.96		431749.522	997298.094										
901	PARK AVE RAMP A2	POB	4+76.81		432327.422	995990.079										
902	PARK AVE RAMP A2	PC	7+12.39	S 73°30'01" E	432260.513	996215.962										
903	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		
904	PARK AVE RAMP A2	PT	11+24.39	S 41°09'48" E	432041.066	996558.204										
905	PARK AVE RAMP A2	POE	12+28.23		431962.895	996626.549										
1000	PARK AVE RAMP B	PC	10+00.00	S 73°36'20" E	432680.363	995483.724										
1001	PARK AVE RAMP B	PI	11+75.08		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	S 75°42'22" E	432587.723	995821.338										
1003	PARK AVE RAMP B	PC	20+92.53		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	N 89°25'43" E	432345.395	997031.351										
1006	PARK AVE RAMP B	POE	28+47.95		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	S 53°03'39" E	429824.834	1000922.910										Entrance Ls=145
1116	PARK AVE RAMP C	POE	65+36.16		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	S 57°03'39" E	431301.901	998163.716										
1204	PARK AVE RAMP D	POE	28+56.58		430826.960	998896.767										
1400	KINO PKWY RAMP A	PC	10+00.00	S 57°03'39" E	431445.002	998038.480										
1401	KINO PKWY RAMP A	PI	12+34.72		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										

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CHECKED	PNB	DATE	12-17		
JACOBS				GEOMETRIC DATA SHEET SYSTEM ALT IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.18
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	19	30	

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										
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										
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	S 57°03'39" E	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	

APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.19
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	30	

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										
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	S 57°03'39" E	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										
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		425383.862	1007739.213										
2107	COUNTRY CLUB RD RAMP C	PI	28+43.19	S 51°39'30" E	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		423196.031	1010684.571										
2303	ALVERNON WAY RAMP A	PI	20+19.89	S 49°35'16" E	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		422123.610	1011773.584									Entrance Ls=102	
2308	ALVERNON WAY RAMP A	POE	34+59.82	S 75°13'57" E	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		422978.791	1011790.205									Entrance Ls=70	
2406	ALVERNON WAY RAMP B	POE	29+56.52	S 75°13'57" E	422945.795	1011915.376									Exit Ls=105	
2500	ALVERNON WAY RAMP C	POB	10+00.00		422933.372	1011915.427										
2501	ALVERNON WAY RAMP C	PC	11+12.03	S 75°13'57" E	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	

All Coordinates Are Ground Coordinates And All Bearings Are Grid Bearings G.A.F. = 1.00016
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 Use the control points provided and their respective state plane coordinates to re-establish the centerline of each roadway.

APPENDIX M

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 IV		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.20
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	30	

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									
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		422133.227	1012851.193									Exit Ls=110
2507	ALVERNON WAY RAMP C	PI	24+50.36	S 53°16'49" E	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		421917.333	1013161.484									
2509	ALVERNON WAY RAMP C	POE	37+03.22	S 57°03'39" E	421338.847	1014054.350									
2600	ALVERNON WAY RAMP D	POB	10+00.00		422072.890	1011918.919									Entrance Ls=70
2601	ALVERNON WAY RAMP D	PC	11+76.59	S 75°13'57" E	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
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		424015.964	1009508.545									
2901	RAMP EN	PC	52+13.34	S 53°03'39" E	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		424605.867	1011859.638									
3001	RAMP SE	PC	10+00.00	S 0°13'57" E	424431.719	1011860.345									

APPENDIX M

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 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 IV		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.21
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	30	

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									
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		423385.833	1011752.574									
3004	RAMP SE	PC	20+65.80	S 15°46'03" W	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
3005	RAMP SE	PI	30+41.54		422035.382	1012299.964									
3006	RAMP SE	PT	36+82.37		421839.615	1012720.957									
3007	RAMP SE	PC	41+46.65	S 65°03'39" E	421670.679	1013084.250	3002	SIMPLE	8°00'00" Rt	1°00'00"	5729.58	800.00	400.65	13.99	NC
3008	RAMP SE	PI	45+47.30		421452.826	1013420.496									
3009	RAMP SE	PT	49+46.65		421333.818	1013604.180									
3010	RAMP SE	POE	51+65.52	S 57°03'39" E											
3100	VALENCIA RD RAMP A	PC	10+00.00		415969.712	1017754.110									
3101	VALENCIA RD RAMP A	PI	14+87.93	S 24°12'24" E	415524.684	1017954.177	3100	SIMPLE	9°44'06" Rt	1°00'00"	5729.58	973.51	487.93	20.74	e=0.023'/ft, Ls=59
3102	VALENCIA RD RAMP A	PT	19+73.51		415052.235	1018076.111									
3103	VALENCIA RD RAMP A	POE	28+64.66	S 14°28'18" E	414189.364	1018298.810									
3200	VALENCIA RD RAMP B	PC	10+00.00		415732.500	1018132.659									
3201	VALENCIA RD RAMP B	PI	12+52.98	S 24°12'24" E	415501.768	1018236.388	3200	SIMPLE	5°03'22" Lt	1°00'00"	5729.58	505.62	252.98	5.58	NC
3202	VALENCIA RD RAMP B	PCC	15+05.62		415281.075	1018360.047									
3203	VALENCIA RD RAMP B	PI	16+80.08	S 29°15'47" E	415128.882	1018445.325	3201	SIMPLE	17°18'46" Lt	5°00'00"	1145.92	346.25	174.46	13.20	e=0.051'/ft, Ls=113
3204	VALENCIA RD RAMP B	PT	18+51.88		415008.961	1018572.030									
3205	VALENCIA RD RAMP B	PC	20+52.19	S 46°34'33" E	414871.270	1018717.511									
3206	VALENCIA RD RAMP B	PI	23+72.67		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	26+70.59		414334.863	1019003.009									
3208	VALENCIA RD RAMP B	POE	28+24.92	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+05.38	S 9°28'18" E	413980.167	1019050.018									
3302	VALENCIA RD RAMP C	PI	13+05.98		413880.943	1019066.572	3300	SIMPLE	28°13'59" Lt	14°19'26"	400.00	197.10	100.60	12.46	e=0.055'/ft, Ls=201
3303	VALENCIA RD RAMP C	PCC	14+02.48		413801.355	1019128.096									
3304	VALENCIA RD RAMP C	PI	16+41.63	S 37°42'17" E	413612.146	1019274.357	3304	SIMPLE	8°59'04" Lt	1°52'56"	3044.00	477.32	239.15	9.38	e=0.046'/ft, Ls=128
3305	VALENCIA RD RAMP C	PT	18+79.80		413448.100	1019448.372									
3306	VALENCIA RD RAMP C	PC	21+99.82	S 46°41'20" E	413228.580	1019681.231									
3307	VALENCIA RD RAMP C	PI	23+24.61		413142.977	1019772.035	3305	SIMPLE	7°28'37" Lt	3°00'00"	1909.86	249.23	124.79	4.07	e=0.040'/ft, Ls=102
3308	VALENCIA RD RAMP C	PT	24+49.05	S 54°09'57" E	413069.918	1019873.207									
3400	VALENCIA RD RAMP D	POB	10+00.00		414189.479	1018286.387									
3401	VALENCIA RD RAMP D	PC	11+92.45	S 14°28'18" E	414003.136	1018334.480									
3402	VALENCIA RD RAMP D	PI	13+54.88		413845.861	1018375.071	3400	SIMPLE	39°41'39" Lt	12°43'57"	450.00	311.76	162.43	28.42	e=0.051'/ft, Ls=93
3403	VALENCIA RD RAMP D	PT	15+04.21	S 54°09'57" E	413750.769	1018506.754									
3404	VALENCIA RD RAMP D	POE	26+55.84		413076.558	1019440.399									
3500	CRAYCROFT RD RAMP A	PC	10+00.00		411874.661	1021104.782									
3501	CRAYCROFT RD RAMP A	PI	13+05.85	S 54°09'57" E	411695.602	1021352.743	3500	SIMPLE	6°06'41" Rt	1°00'00"	5729.58	611.13	305.85	8.16	e=0.023'/ft, Ls=59
3502	CRAYCROFT RD RAMP A	PT	16+11.13		411491.162	1021580.232									
3503	CRAYCROFT RD RAMP A	PC	18+14.16	S 48°03'17" E	411355.448	1021731.246									
3504	CRAYCROFT RD RAMP A	PI	20+13.47		411222.230	1021879.484	3501	SIMPLE	3°59'04" Lt	1°00'00"	5729.58	398.45	199.30	3.47	e=0.020'/ft, Ls=48
3505	CRAYCROFT RD RAMP A	PT	22+12.61	S 52°02'21" E	411099.634	1022036.621									
3506	CRAYCROFT RD RAMP A	POE	28+98.14		410677.950	1022577.110									

APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.22
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	30	

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										
3600	CRAYCOFT RAMP B	POB	10+00.00		412075.718	1021249.971										
3601	CRAYCOFT RAMP B	PC	20+06.96	S 54°09'57" E	411486.205	1022066.327										
3602	CRAYCOFT RAMP B	PI	21+46.84		411404.310	1022179.735	3600	SIMPLE	5°35'28" Lt	2°00'00"	2864.79	279.55	139.89	3.41	e=0.035'/ft, Ls=84	
3603	CRAYCOFT RAMP B	PT	22+86.51	S 59°45'25" E	411333.853	1022300.582										
3604	CRAYCOFT RAMP B	POE	26+07.62		411172.119	1022577.989										
3700	CRAYCROFT RD RAMP C	POB	10+00.00		411172.119	1022577.989										
3701	CRAYCROFT RD RAMP C	PC	25+30.42	S 51°23'16" E	410217.067	1023773.836										
3702	CRAYCROFT RD RAMP C	PI	26+69.35		410130.363	1023882.400	3700	SIMPLE	2°46'42" Lt	1°00'00"	5729.58	277.82	138.94	1.68	e=0.023'/ft, Ls=59	
3703	CRAYCROFT RD RAMP C	PT	28+08.24	S 54°09'57" E	410049.023	1023995.039										
3800	CRAYCROFT RD RAMP D	POB	10+00.00		410662.751	1022577.083										
3801	CRAYCROFT RD RAMP D	PC	20+83.01	S 57°58'25" E	410088.422	1023495.263										
3802	CRAYCROFT RD RAMP D	PI	22+73.47		409987.420	1023656.733	3800	SIMPLE	3°48'28" Rt	1°00'00"	5729.58	380.78	190.46	3.16	NC	
3803	CRAYCROFT RD RAMP D	PT	24+63.78	S 54°09'57" E	409875.919	1023811.140										
3900	WILMOT RD RAMP A	POB	10+00.00		407973.051	1026407.403										
3901	WILMOT RD RAMP A	PC	15+81.20	S 49°48'46" E	407598.012	1026851.401										
3902	WILMOT RD RAMP A	PI	18+68.08		407412.889	1027070.564	3900	SIMPLE	5°43'58" Rt	1°00'00"	5729.58	573.29	286.88	7.18	NC	
3903	WILMOT RD RAMP A	PT	21+54.49		407206.799	1027270.138										
3904	WILMOT RD RAMP A	PC	24+60.49	S 44°04'47" E	406986.973	1027483.013										
3905	WILMOT RD RAMP A	PI	26+63.56		406841.097	1027624.278	3901	SIMPLE	31°39'34" Lt	8°00'00"	716.20	395.74	203.07	28.23	e=0.048'/ft, Ls=144	
3906	WILMOT RD RAMP A	PT	28+56.24	S 75°44'21" E	406791.074	1027821.086										
3907	WILMOT RD RAMP A	POE	29+88.74		406758.434	1027949.507										
4000	WILMOT RD RAMP B	PC	10+00.00		408139.049	1026639.964										
4001	WILMOT RD RAMP B	PI	12+73.56	S 54°09'57" E	407978.893	1026861.747	4000	SIMPLE	5°28'02" Lt	1°00'00"	5729.58	546.71	273.56	6.53	NC	
4002	WILMOT RD RAMP B	PT	15+46.71		407840.596	1027097.780										
4003	WILMOT RD RAMP B	PC	17+03.15	S 59°37'59" E	407761.513	1027232.753										
4004	WILMOT RD RAMP B	PI	18+39.93		407692.364	1027350.769	4001	SIMPLE	5°28'02" Rt	2°00'00"	2864.79	273.36	136.78	3.26	e=0.030'/ft, Ls=67	
4005	WILMOT RD RAMP B	PT	19+76.51		407612.286	1027461.661										
4006	WILMOT RD RAMP B	PC	22+58.05	S 54°09'57" E	407447.456	1027689.917										
4007	WILMOT RD RAMP B	PI	23+34.26		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	24+08.66	S 75°44'21" E	407384.069	1027825.559										
4009	WILMOT RD RAMP B	POE	25+30.51		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+80.33		407285.000	1028215.334	4100	SIMPLE	32°06'10" Rt	9°32'57"	600.00	336.18	172.63	24.34	e=0.051'/ft, Ls=150	
4103	WILMOT RD RAMP C	PT	14+43.88		407160.063	1028334.463										
4104	WILMOT RD RAMP C	PC	17+38.68	S 43°38'12" E	406946.706	1028537.900										
4105	WILMOT RD RAMP C	PI	22+66.63		406564.610	1028902.230	4101	SIMPLE	10°31'46" Lt	1°00'00"	5729.58	1052.93	527.95	24.27	e=0.023'/ft, Ls=59	
4106	WILMOT RD RAMP C	PT	27+91.61	S 54°09'57" E	406255.525	1029330.250										
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	12+29.12		406701.994	1028171.564	4200	SIMPLE	20°04'32" Rt	6°00'00"	954.93	334.60	169.03	14.84	e=0.043'/ft, Ls=83	
4203	WILMOT RD RAMP D	PT	13+94.68		406606.653	1028311.139										
4204	WILMOT RD RAMP D	PC	15+50.55	S 55°39'49" E	406518.737	1028439.843										

APPENDIX M

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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 IV			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.23
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	24	30	

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									
4205	WILMOT RD RAMP D	PI	16+99.39		406434.784	1028562.745	4201	SIMPLE	2°58'34" Lt	1°00'00"	5729.58	297.61	148.84	1.93	e=0.020'/ft, Ls=48
4206	WILMOT RD RAMP D	PT	18+48.16		406357.325	1028689.841									
4207	WILMOT RD RAMP D	PC	20+39.60	S 58°38'23" E	406257.698	1028853.312									
4208	WILMOT RD RAMP D	PI	22+63.40		406141.226	1029044.420	4202	SIMPLE	4°28'26" Rt	1°00'00"	5729.58	447.38	223.80	4.37	e=0.023'/ft, Ls=59
4209	WILMOT RD RAMP D	PT	24+86.98	S 54°09'57" E	406010.203	1029225.861									
4300	KOLB RD RAMP A	PC	10+00.00		404457.918	1031375.458									
4301	KOLB RD RAMP A	PI	13+39.73	S 54°09'57" E	404259.027	1031650.882	4203	SIMPLE	6°47'12" Rt	1°00'00"	5729.58	678.66	339.73	10.06	e=0.023'/ft, Ls=59
4302	KOLB RD RAMP A	PCC	16+78.66		404028.982	1031900.873									
4303	KOLB RD RAMP A	PI	20+41.43	S 47°22'45" E	403783.339	1032167.814	4204	SIMPLE	21°30'35" Rt	3°00'00"	1909.86	716.99	362.76	34.15	e=0.044'/ft, Ls=106
4304	KOLB RD RAMP A	PT	23+95.65		403456.927	1032326.097									
4305	KOLB RD RAMP A	PC	26+66.66	S 25°52'11" E	403213.079	1032444.343									
4306	KOLB RD RAMP A	PI	29+75.50		402935.183	1032579.101	4205	SIMPLE	35°50'41" Lt	6°00'00"	954.93	597.41	308.85	48.70	e=0.043'/ft, Ls=125
4307	KOLB RD RAMP A	PT	32+64.07		402788.831	1032851.069									
4308	KOLB RD RAMP A	PC	35+10.25	S 61°42'52" E	402672.175	1033067.852									
4309	KOLB RD RAMP A	PI	36+28.77		402616.012	1033172.222	4206	SIMPLE	61°18'10" Rt	28°38'52"	200.00	213.99	118.52	32.48	NC
4310	KOLB RD RAMP A	PT	37+24.24		402497.493	1033173.073									
4311	KOLB RD RAMP A	POE	39+89.56	S 0°24'41" E	402232.175	1033174.979									
4350	KOLB RD RAMPS A1	POB	10+00.00		402799.398	1032856.755									
4351	KOLB RD RAMPS A1	PC	10+94.48	S 61°42'52" E	402754.625	1032939.958									
4352	KOLB RD RAMPS A1	PI	13+48.75		402634.136	1033163.865	4300	SIMPLE	118°55'29" Lt	38°11'50"	150.00	311.34	254.27	145.21	NC
4354	KOLB RD RAMPS A1	PT	14+05.83	N 0°38'21" W	402888.387	1033161.029									
4400	KOLB RD RAMP B	PC	10+00.00		404559.315	1031658.658									
4401	KOLB RD RAMP B	PI	13+90.19	S 54°09'57" E	404330.883	1031974.990	4400	SIMPLE	7°47'30" Lt	1°00'00"	5729.58	779.17	390.19	13.27	NC
4402	KOLB RD RAMP B	PCC	17+79.17		404147.446	1032319.370									
4403	KOLB RD RAMP B	PI	19+82.43	S 61°57'27" E	404051.892	1032498.760	4401	SIMPLE	10°08'10" Lt	2°30'00"	2291.83	405.44	203.25	9.00	e=0.040'/ft, Ls=96
4404	KOLB RD RAMP B	PT	21+84.62		403989.400	1032692.166									
4405	KOLB RD RAMP B	PC	25+22.32	S 72°05'37" E	403885.571	1033013.508									
4406	KOLB RD RAMP B	PI	26+66.18		403841.339	1033150.399	4402	SIMPLE	71°27'17" Rt	28°38'52"	200.00	249.42	143.86	46.36	e=0.020'/ft, Ls=36
4407	KOLB RD RAMP B	PT	27+71.74		403697.489	1033152.004									
4408	KOLB RD RAMP B	POE	28+66.84	S 0°38'21" E	403602.390	1033153.064									
4450	KOLB RD RAMP B1	PC	10+00.00		403941.130	1032919.615									
4451	KOLB RD RAMP B1	PI	11+97.24	S 72°05'37" E	403880.487	1033107.301	4450	SIMPLE	105°29'40" Lt	38°11'50"	150.00	276.18	197.24	97.80	NC
4452	KOLB RD RAMP B1	PT	12+76.18		404077.552	1033115.602									
4453	KOLB RD RAMP B1	POE	13+71.89	N 2°24'43" E	404173.170	1033119.629									
4500	KOLB RD RAMP C	PC	10+00.00		403995.734	1033284.848									
4501	KOLB RD RAMP C	PI	11+08.14	S 6°51'31" W	403888.365	1033271.933	4500	SIMPLE	56°48'04" Lt	28°38'52"	200.00	198.27	108.14	27.36	NC
4502	KOLB RD RAMP C	PT	11+98.27		403818.770	1033354.705									
4503	KOLB RD RAMP C	PC	13+48.73	S 49°56'33" E	403721.940	1033469.868									
4504	KOLB RD RAMP C	PI	15+32.70		403603.548	1033610.675	4501	SIMPLE	14°38'14" Rt	4°00'00"	1432.40	365.93	183.97	11.77	e=0.046'/ft, Ls=153
4505	KOLB RD RAMP C	PT	17+14.66		403453.417	1033716.995									
4506	KOLB RD RAMP C	PC	21+58.52	S 35°18'20" E	403091.189	1033973.519									
4507	KOLB RD RAMP C	PI	24+31.00		402868.829	1034130.990	4502	SIMPLE	16°14'20" Lt	3°00'00"	1909.86	541.29	272.47	19.34	e=0.050'/ft, Ls=128
4508	KOLB RD RAMP C	PT	26+99.82		402699.376	1034344.360									
4509	KOLB RD RAMP C	PC	37+17.47	S 51°32'39" E	402066.487	1035141.273									

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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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.24
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	30	

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									
4510	KOLB RD RAMP C	PI	39+77.39		401904.838	1035344.816	4503	SIMPLE	2°37'18" Lt	0°30'16"	11359.16	519.76	259.92	2.97	NC
4511	KOLB RD RAMP C	PT	42+37.23	S 54°09'57" E	401752.668	1035555.540									
4550	KOLB RD RAMP C1	PC	10+00.00		403593.824	1033307.169									
4551	KOLB RD RAMP C1	PI	12+62.46	N 0°38'21" W	403856.263	1033304.242	4550	SIMPLE	132°40'37" Rt	49°49'21"	115.00	266.30	262.46	171.54	NC
4552	KOLB RD RAMP C1	PT	12+66.30	S 47°57'44" E	403680.517	1033499.169									
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" Lt	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" Rt	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	403882.615	1033274.901									
4600	KOLB RD RAMP D	POB	10+00.00		402836.317	1033315.619									
4601	KOLB RD RAMP D	PC	10+72.00	S 0°38'21" E	402764.324	1033316.422									
4602	KOLB RD RAMP D	PI	11+77.99		402658.343	1033317.604	4600	SIMPLE	82°54'15" Lt	47°44'47"	120.00	173.63	105.99	40.10	e=0.020'/ft, Ls=48
4603	KOLB RD RAMP D	PT	12+45.63		402646.424	1033422.920									
4604	KOLB RD RAMP D	PC	13+70.96	S 83°32'36" E	402632.330	1033547.459									
4605	KOLB RD RAMP D	PI	17+24.75		402592.546	1033898.998	4601	SIMPLE	20°59'21" Rt	3°00'00"	1909.86	699.64	353.78	32.49	e=0.044'/ft, Ls=106
4606	KOLB RD RAMP D	PCC	20+70.60		402429.484	1034212.962									
4607	KOLB RD RAMP D	PI	24+90.77	S 62°33'15" E	402235.826	1034585.837	4602	SIMPLE	8°23'18" Rt	1°00'00"	5729.58	838.83	420.17	15.39	e=0.023'/ft, Ls=59
4608	KOLB RD RAMP D	PT	29+09.43	S 54°09'57" E	401989.843	1034926.472									
4650	KOLB RD RAMP D1	PC	10+00.00		402553.577	1033314.084									
4651	KOLB RD RAMP D1	PI	11+04.68	N 21°27'41" W	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 D1	PT	11+29.66		402639.227	1033379.800									
4653	KOLB RD RAMP D1	POE	11+71.69	S 83°32'36" E	402634.500	1033421.571									
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°58'27.1971" Lt	3°00'00"	1909.85	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+94.75	S 28°22'23" W	403748.433	1033201.083									
4711	KOLB RD DDI NB	PI	25+72.37		403680.138	1033164.198	4703	SIMPLE	29°00'44" Lt	19°05'55"	300.00	151.91	77.62	9.88	NC
4712	KOLB RD DDI NB	PT	26+46.66	S 0°38'21" E	403602.524	1033165.064									
4713	KOLB RD DDI NB	PC	34+13.99		402835.246	1033173.622									
4714	KOLB RD DDI NB	PI	34+91.33	S 0°38'21" E	402757.904	1033174.485	4704	SIMPLE	28°54'53" Lt	19°05'55"	300.00	151.40	77.35	9.81	NC
4715	KOLB RD DDI NB	PT	35+65.38		402690.621	1033212.635									
4716	KOLB RD DDI NB	PC	36+87.34	S 29°33'13" E	402584.534	1033272.787									
4717	KOLB RD DDI NB	PI	37+82.35		402501.883	1033319.652	4705	SIMPLE	33°52'27" Rt	18°21'51"	312.00	184.46	95.01	14.15	NC

APPENDIX M

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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 IV			
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.25
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	26	30	

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										
4718	KOLB RD DDI NB	PT	38+71.80		402407.139	1033312.494										
4719	KOLB RD DDI NB	PC	43+15.52	S 4°19'14" W	401964.672	1033279.065										
4720	KOLB RD DDI NB	PI	44+39.59		401840.956	1033269.718	4706	SIMPLE	4°57'35" Lt	2°00'00"	2864.79	247.98	124.07	2.69	e=0.035/ft, Ls=84	
4721	KOLB RD DDI NB	PT	45+63.51	S 0°38'21" E	401716.896	1033271.102										
4722	KOLB RD DDI NB	POE	53+82.87		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	25+03.53	S 29°22'25" E	403742.674	1033256.563										
4811	KOLB RD DDI SB	PI	25+80.37		403675.709	1033294.255	4803	SIMPLE	28°44'05" Rt	19°05'55"	300.00	150.45	76.84	9.69	NC	
4812	KOLB RD DDI SB	PT	26+53.98		403598.869	1033295.112										
4813	KOLB RD DDI SB	PC	34+16.72	S 0°38'21" E	402836.183	1033303.620										
4814	KOLB RD DDI SB	PI	34+93.05		402759.850	1033304.471	4804	SIMPLE	28°33'10" Rt	19°05'55"	300.00	149.50	76.34	9.56	NC	
4815	KOLB RD DDI SB	PT	35+66.22		402692.394	1033268.734										
4816	KOLB RD DDI SB	PC	36+66.81	S 27°54'50" W	402603.505	1033221.642										
4817	KOLB RD DDI SB	PI	37+70.78		402511.635	1033172.971	4805	SIMPLE	28°19'31" Lt	13°54'24"	412.00	203.68	103.97	12.92	NC	
4818	KOLB RD DDI SB	PT	38+70.49		402407.671	1033173.718										
4819	KOLB RD DDI SB	PC	40+45.99	S 0°24'41" E	402232.175	1033174.979										
4820	KOLB RD DDI SB	PI	41+67.16		402111.016	1033175.849	4806	SIMPLE	7°15'36" Lt	3°00'00"	1909.86	242.00	121.16	3.84	NC	
4821	KOLB RD DDI SB	PT	42+87.99		401990.939	1033192.023										
4822	KOLB RD DDI SB	PC	44+64.83	S 7°40'17" E	401815.687	1033215.629										
4823	KOLB RD DDI SB	PI	45+82.18		401699.384	1033231.295	4807	SIMPLE	7°01'57" Rt	3°00'00"	1909.86	234.41	117.35	3.60	e=0.044/ft, Ls=106	
4824	KOLB RD DDI SB	PT	46+99.24	S 0°38'21" E	401582.037	1033232.604										
4825	KOLB RD DDI SB	POE	53+84.18		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										
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	S 8°54'19" E	403642.026	1033429.250										
4907	KOLB RD NB MAINLINE	PI	26+93.07		402689.202	1033440.459										
4908	KOLB RD NB MAINLINE	PC	26+93.07	S 0°51'51" E	402689.202	1033440.459										
4909	KOLB RD NB MAINLINE	PT	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	PC	39+50.77		402286.426	1033416.627										
4912	KOLB RD NB MAINLINE	PI	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	PT	49+47.91		401297.647	1033287.779										
4914	KOLB RD NB MAINLINE	PC	51+49.17	S 0°38'21" E	401095.740	1033290.031										
4915	KOLB RD NB MAINLINE	POE	53+47.20		400897.719	1033292.240										

APPENDIX M

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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 IV		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.26
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	30	

010 PM 260

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.										
					Northing	Easting		Type	Delta	DOC	Radius	L	T	Ext	Super		
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	1033171.590	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		403754.512	1033027.508											
5007	KOLB RD SB MAINLINE	PI	26+95.13	S 0°51'51" E	403537.743	1033030.778											
5008	KOLB RD SB MAINLINE	PC	36+72.37	S 0°39'07" E	402560.569	1033041.897	5002	SIMPLE	12°19'21" Lt	2°00'00"	2864.79	616.12	309.25	16.64	e=0.035/ft, Ls=84		
5009	KOLB RD SB MAINLINE	PI	39+81.62		402251.336	1033045.416											
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		401176.769	1033225.124											
5014	KOLB RD SB MAINLINE	POE	53+51.25	S 0°38'21" E	400897.005	1033228.244											
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		434376.385	1011823.048											
5201	N ALVERNON WAY RAMP B	PI	1+19.98	S 1°39'43" E	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		434400.417	1011865.218											
5301	N ALVERNON WAY RAMP C	PI	0+90.60	S 1°39'43" E	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		434347.618	1011950.204											
5303	N ALVERNON WAY RAMP C	PI	3+51.96	N 65°21'52" E	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		434533.057	1011803.476											
5401	N ALVERNON WAY RAMP D	PI	8+12.40	S 3°05'38" E	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											
5405	N ALVERNON WAY RAMP D	PC	19+03.50		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											

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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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.27
I-10	SR 210 - GOLF LINKS ROAD TO I-10				
TRACS NO. H7825 OIL				010-E(210)S	OF

SURVEY NO. FINISHED PLANS REVISIONS DATE LOCATION

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	30	

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										
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	S 73°01'52" E	434507.672	1010193.787										
5701	GOLF LINKS RD RAMP SW	PI	2+47.30		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	S 79°12'28" E	434389.190	1010673.245										
5703	GOLF LINKS RD RAMP SW	PI	7+12.57		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	S 71°17'32" W	435748.108	1013933.166										
5801	GOLF LINKS RD RAMP SE	PI	7+19.93		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	S 66°10'33" E	434461.758	1010094.983										
5901	AJO WAY RAMP A	PI	14+66.40		434273.364	1010521.641										
5902	AJO WAY RAMP A	PC	23+59.83	S 66°10'33" E	433912.479	1011338.940										
5903	AJO WAY RAMP A	PI	27+96.51		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										
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	Entrance Ls=120 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	

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G.A.F. = 1.00016

APPENDIX M

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 IV			
ROUTE	SR 210	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10		SHEET C-02.28
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	30	

010 PM 260

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

PLAN REF NO.	ALIGNMENT	Point Type	STATION	BEARING	COORDINATES		CURVE REF NO.	Type	Delta	DOC	Radius	L	T	Ext	Super	
					Northing	Easting										
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	S 19°32'16" W	429372.168	1011348.550										
5917	AJO WAY RAMP A	POE	77+49.12		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	S 16°21'54" W	429276.026	1011723.634										
6007	AJO WAY RAMP B	POE	25+99.10		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										e=0.040/ft,
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	Entrance Ls=153	
6103	AJO WAY RAMP C	PCC	18+58.16	S 5°04'22" W	428224.269	1011462.889										Exit Ls=102
6104	AJO WAY RAMP C	PI	22+73.01		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	S 0°27'15" E	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	S 0°27'15" E	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,	
6303	SR 210 MEDIAN	PT	374+82.01		434472.108	1010163.003										EB Ls=147
6304	SR 210 MEDIAN	PC	382+28.57	S 73°01'52" E	434254.224	1010877.059										WB Ls=221
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	
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		425070.940	1011905.036										EB Entrance Ls=287

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APPENDIX M

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 IV	
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD			SHEET C-02.29
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	30	

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									
6319	SR 210 MEDIAN	PI	489+25.85	S 0°20'50" E	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	92+27.06		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	
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		429029.065	1011962.223									
7006	AJO WAY	POE	107+13.96	N 89°10'27" E	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		428921.030	1000965.381									
8004	KINO PKWY	POE	709+75.00	N 0°42'40" W	430622.370	1000944.266									

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APPENDIX M

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CHECKED	PNB	DATE	12-17		
JACOBS			GEOMETRIC DATA SHEET SYSTEM ALT IV		
ROUTE	LOCATION	I-10 - JCT. I-19 TO KOLB ROAD SR 210 - GOLF LINKS ROAD TO I-10			SHEET C-02.30
TRACS NO. H7825 OIL			010-E(210)S <u>OF</u>		