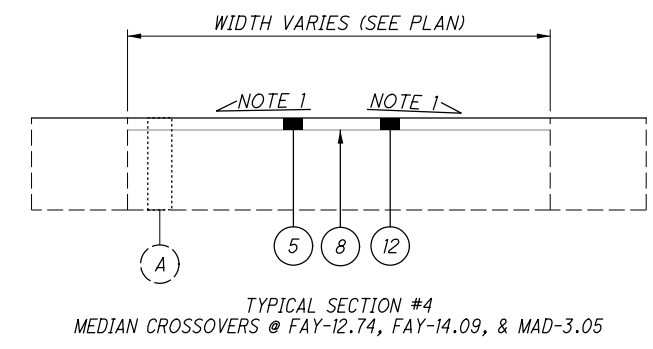
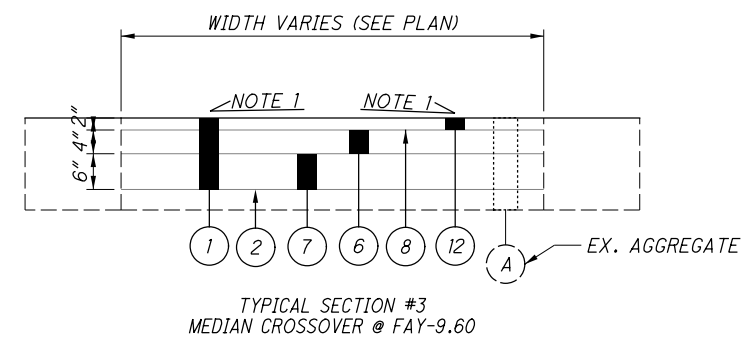
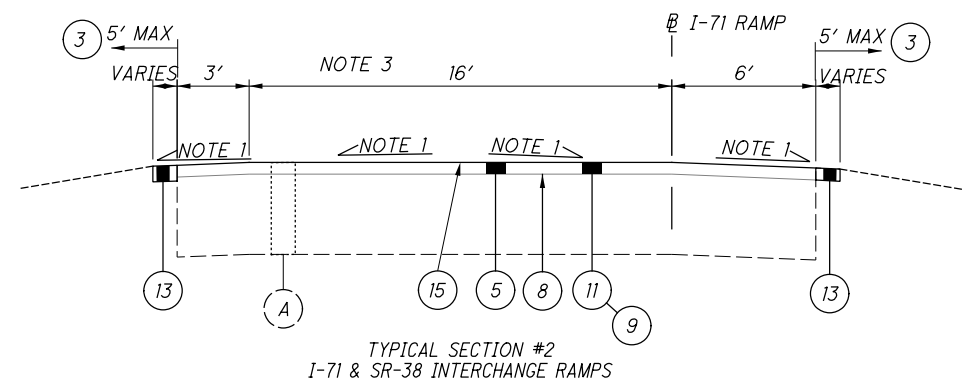


TYPICAL SECTION #1

<p style="text-align: center;">I-71 MAINLINE SOUTHBOUND</p> <p>FAY-71 STA. 502+12.80 TO STA. 774+04.80 = 27192 FT SLM 9.51 TO SLM 14.66 = 5.15 MILES</p> <p>MAD-71 STA. 0+00.00 TO STA. 210+67.20 = 21067 FT SLM 0.00 TO SLM 3.99 = 3.99 MILES</p>	&	<p style="text-align: center;">I-71 MAINLINE NORTHBOUND</p> <p>STA. 502+12.80 TO STA. 774+04.80 = 27192 FT SLM 9.51 TO SLM 14.66 = 5.15 MILES</p> <p>STA. 0+00.00 TO STA. 210+67.20 = 21067 FT SLM 0.00 TO SLM 3.99 = 3.99 MILES</p>
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LEGEND

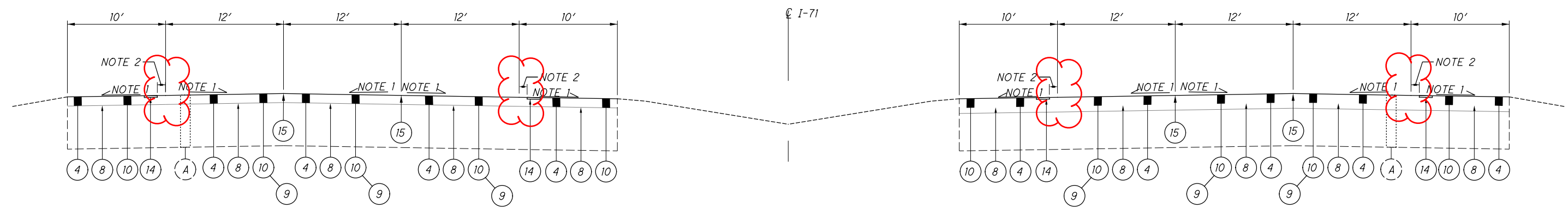
- (A) EXISTING PAVEMENT
FAY/MAD-71-9.51/0.00
- (1) ITEM 203 - EXCAVATION
- (2) ITEM 204 - SUBGRADE COMPACTION
- (3) ITEM 209 - LINEAR GRADING
- (4) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH
- (5) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 2.00"
- (6) ITEM 301 - ASPHALT CONCRETE BASE, PG 64-22, 4.00"
- (7) ITEM 304 - AGGREGATE BASE, 6.00"
- (8) ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER CMS 407.06-1)
- (9) ITEM 442 - ANTI-SEGREGATION EQUIPMENT
- (10) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M, 1.50"
- (11) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M, 2.00"
- (12) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), 2.00"
- (13) ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN (TYPICALLY 2.00" DEEP X 2' WIDE)
- (14) ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- (15) ITEM 875 - LONGITUDINAL JOINT ADHESIVE (INCIDENTAL TO ITEM 442 WITH 447 DENSITY)

NOTES:
 1. MAINTAIN EXISTING CROSS SLOPES. CROSS SLOPES OF SHOULDER MAY BE DIFFERENT THAN TRAVELLED LANES.
 2. OFFSET PER BP-9.1.
 3. FOR MORE DETAILED WIDTHS, SEE PAVEMENT SUBSUMMARY.

TYPICAL SECTIONS

**FAY / MAD-71-
9.51 / 0.00**

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TYPICAL SECTION #5

I-71 MAINLINE SOUTHBOUND				I-71 MAINLINE NORTHBOUND			
FAY-71	STA. 377+92.29	TO STA. 378+95.74	= 103 FT	STA. 378+41.33	TO STA. 379+44.44	= 103 FT	
	SLM 7.16	TO SLM 7.18	= 0.02 MILES	SLM 7.17	TO SLM 7.19	= 0.02 MILES	
FAY-71	STA. 381+04.40	TO STA. 382+07.51	= 103 FT	STA. 381+53.34	TO STA. 382+56.45	= 103 FT	
	SLM 7.22	TO SLM 7.24	= 0.02 MILES	SLM 7.23	TO SLM 7.25	= 0.02 MILES	
FAY-71	STA. 385+33.18	TO STA. 386+22.29	= 89 FT	STA. 385+57.46	TO STA. 386+46.57	= 89 FT	
	SLM 7.30	TO SLM 7.31	= 0.02 MILES	SLM 7.30	TO SLM 7.32	= 0.02 MILES	
FAY-71	STA. 387+96.07	TO STA. 388+85.18	= 89 FT	STA. 388+20.35	TO STA. 389+09.46	= 89 FT	
	SLM 7.35	TO SLM 7.36	= 0.02 MILES	SLM 7.35	TO SLM 7.37	= 0.02 MILES	

LEGEND

- (A) EXISTING PAVEMENT
FAY/MAD-71-9.51/0.00
- (1) ITEM 203 - EXCAVATION
- (2) ITEM 204 - SUBGRADE COMPACTION
- (3) ITEM 209 - LINEAR GRADING
- (4) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH
- (5) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 2.00"
- (6) ITEM 301 - ASPHALT CONCRETE BASE, PG 64-22, 4.00"
- (7) ITEM 304 - AGGREGATE BASE, 6.00"
- (8) ITEM 407 - NON-TRACKING TACK COAT (RATE AS PER CMS 407.06-1)
- (9) ITEM 442 - ANTI-SEGREGATION EQUIPMENT
- (10) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M, 1.50"
- (11) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M, 2.00"
- (12) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), 2.00"
- (13) ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN (TYPICALLY 2.00" DEEP X 2' WIDE)
- (14) ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- (15) ITEM 875 - LONGITUDINAL JOINT ADHESIVE (INCIDENTAL TO ITEM 442 WITH 447 DENSITY)

NOTES:
 1. MAINTAIN EXISTING CROSS SLOPES. CROSS SLOPES OF SHOULDER MAY BE DIFFERENT THAN TRAVELLED LANES.
 2. OFFSET PER BP-9.1.

TYPICAL SECTIONS

**FAY / MAD-71-
9.51 / 0.00**

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SHEET NUMBER							PARTICIPATION			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
							01/TMS/PV	02/TMS/BR							
9-11	12-14	17	18	36	37										
			2775				2775		202	38001	2775	FT	ROADWAY GUARDRAIL REMOVED, AS PER PLAN	9	
			600				600		202	38301	600	FT	GUARDRAIL REMOVED, BARRIER DESIGN, AS PER PLAN	9	
			21				21		202	42011	21	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E, AS PER PLAN	9	
			1				1		202	42041	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T, AS PER PLAN	9	
			31				31		202	47001	31	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN	9	
			8				8		202	47801	8	EACH	IMPACT ATTENUATOR REMOVED, AS PER PLAN	9	
		141					141		203	10000	141	CY	EXCAVATION		
			2959				2959		203	20001	2959	CY	EMBANKMENT, AS PER PLAN	9	
		423					423		204	10000	423	SY	SUBGRADE COMPACTION		
18.28							18.28		209	60500	18.28	MILE	LINEAR GRADING		
			3375				3375		606	15050	3375	FT	GUARDRAIL, TYPE MGS		
			600				600		606	15550	600	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS		
			21				21		606	26151	21	EACH	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	10	
			1				1		606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
			30				30		606	35002	30	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		
			1				1		606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2		
			8				8		606	60012	8	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)		
187.5							187.5		606	98000	187.5	FT	GUARDRAIL, MISC.: ALTERNATE GUARDRAIL PLACEMENT	10	
													EROSION CONTROL		
289							289		659	00300	289	CY	TOPSOIL		
2615							2615		659	10000	2615	SY	SEEDING AND MULCHING		
131							131		659	14000	131	SY	REPAIR SEEDING AND MULCHING		
131							131		659	15000	131	SY	INTER-SEEDING		
0.35							0.35		659	20000	0.35	TON	COMMERCIAL FERTILIZER		
0.54							0.54		659	31000	0.54	ACRE	LIME		
14							14		659	35000	14	MGAL	WATER		
							1000		832	30000	1000	EACH	EROSION CONTROL		
													PAVEMENT		
14142							14142		251	01041	14142	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 4.5"	11	
17188							17188		251	01041	17188	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 9.0"	11	
		4786					4786		254	01000	4786	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH		
		435315					435315		254	01000	435315	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2.00"		
		47					47		301	46000	47	CY	ASPHALT CONCRETE BASE, PG64-22		
		71					71		304	20000	71	CY	AGGREGATE BASE		
		37477					37477		407	20000	37477	GAL	NON-TRACKING TACK COAT		
		14733					14733		442	00100	14733	CY	ANTI-SEGREGATION EQUIPMENT		
		813					813		442	10001	813	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M	11	
		23614					23614		442	10300	23614	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (447)		
		2700					2700		617	10101	2700	CY	COMPACTED AGGREGATE, AS PER PLAN	11	
		35.78					35.78		618	40600	35.78	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		
		2225					2225		875	10000	2225	LB	LONGITUDINAL JOINT ADHESIVE		

CALCULATED	AMH	CHECKED	KLM
GENERAL SUMMARY			
FAY / MAD-71-9.51 / 0.00			
15 / 46			

LOCATION								DESIGN				QUANTITIES														CALCULATED AMH	CHECKED KLM														
COUNTY	ROUTE	BEGIN STA	END STA	BEGIN SLM	END SLM	LENGTH MI	SIDE	TYPICAL SECTION	LENGTH FT	AVG. WIDTH FT	PAVEMENT AREA SY	203	204	254		254		301		304		407	442	442				442		617		618	875								
												EXCAVATION CY	SUBGRADE COMPACTION SY	PAVEMENT PLANING, VARIABLE DEPTH AVG. DEPTH IN	PAVEMENT PLANING, ASPHALT CONCRETE, 2.00" AVG. DEPTH SY	ASPHALT CONCRETE BASE, PG 64-22 AVG. DEPTH IN	AGGREGATE BASE AVG. DEPTH IN	NON-TRACKING TACK COAT CY	ANTI- SEGREGATION EQUIPMENT CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG76-22M AVG. DEPTH IN	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM TYPE A, (447) AVG. DEPTH CY	COMPACTED AGGREGATE, AS PER PLAN AVG. DEPTH IN	CY	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) MILE	LONGITUDINAL JOINT ADHESIVE LB																
FAY	71	378+41.33	379+44.44	7.167	7.186	0.020	NB	5	103	56	642			2.25	642							55	18	1.50	27			0.04	52												
FAY	71	381+53.34	382+56.45	7.226	7.246	0.020	NB	5	103	56	642			2.25	642							55	18	1.50	27			0.04	52												
FAY	71	385+57.46	386+46.57	7.303	7.319	0.017	NB	5	89	56	554			2.25	554							48	15	1.50	24			0.03	45												
FAY	71	388+20.35	389+09.46	7.352	7.369	0.017	NB	5	89	56	554			2.25	554							48	15	1.50	24			0.03	45												
FAY	71	502+12.80	515+27.44	9.510	9.759	0.249	NB	1	1315	47.6	6955					2.00	6955					592	257			2.00	387	2.00	34	0.50											
FAY	71	515+27.44	522+92.97	9.759	9.904	0.145	NB	1	766	40.0	3402					2.00	3402					290	114			2.00	190	2.00	20	0.29											
FAY	71	524+78.36	692+14.79	9.939	13.109	3.170	NB	1	16736	40.0	74384					2.00	74384					6323	2480			2.00	4133	2.00	414	6.34											
FAY	71	693+74.59	695+08.40	13.139	13.164	0.025	NB	1	134	40.0	595					2.00	595																								
FAY	71	695+08.40	695+83.69	13.164	13.179	0.014	NB	1	75	45.6	382					2.00	382									2.00	34	2.00	4	0.05											
FAY	71	695+83.69	702+99.16	13.179	13.314	0.136	NB	1	715	58.4	4646					2.00	4646									2.00	259	2.00	18	0.27											
FAY	71	702+99.16	719+09.40	13.314	13.619	0.305	NB	1	1610	40.0	7157					2.00	7157									2.00	398	2.00	40	0.61											
FAY	71	719+09.40	735+42.11	13.619	13.928	0.309	NB	1	1633	46.7	8471																														
FAY	71	735+42.11	774+04.80	13.928	14.660	0.732	NB	1	3863	40.0	17168					2.00	17168									2.00	954	2.00	96	1.46											
MAD	71	0+00.00	47+66.69	0.000	0.903	0.903	NB	1	4767	40.0	21185					2.00	21185									2.00	1177	2.00	118	1.81											
MAD	71	48+83.30	166+92.79	0.925	3.162	2.237	NB	1	11809	40.0	52487					2.00	52487									2.00	2916	2.00	292	4.47											
MAD	71	168+35.29	210+67.20	3.189	3.990	0.801	NB	1	4232	40.0	18808					2.00	18808									2.00	1045	2.00	106	1.60											
MAD	71	168+35.17	210+67.20	3.188	3.990	0.802	SB	1	4232	40.0	18809					2.00	18809									2.00	1045	2.00	106	1.60											
MAD	71	48+33.75	166+92.66	0.915	3.161	2.246	SB	1	11859	40.0	52706					2.00	52706									2.00	2929	2.00	294	4.49											
MAD	71	0+00.00	47+17.54	0.000	0.893	0.893	SB	1	4718	40.0	20967					2.00	20967									2.00	1165	2.00	118	1.79											
FAY	71	727+48.11	774+04.80	13.778	14.660	0.882	SB	1	4657	40.0	20696					2.00	20696									2.00	1150	2.00	116	1.76											
FAY	71	726+57.39	727+48.11	13.761	13.778	0.017	SB	1	91	46.2	466					2.00	466									2.00	26	2.00	4	0.03											
FAY	71	719+41.86	726+57.39	13.625	13.761	0.136	SB	1	716	60.0	4771					2.00	4771									2.00	266	2.00	18	0.27											
FAY	71	702+78.14	719+41.86	13.310	13.625	0.315	SB	1	1664	40.0	7394					2.00	7394									2.00	411	2.00	42	0.63											
FAY	71	694+32.54	702+78.14	13.150	13.310	0.160	SB	1	846	53.9	5066					2.00	5066									2.00	282	2.00	22	0.32											
FAY	71	687+58.47	692+74.90	13.022	13.120	0.098	SB	1	516	46.6	2675					2.00	2675									2.00	149	2.00	14	0.20											
FAY	71	524+28.32	687+58.47	9.930	13.022	3.093	SB	1	16330	40.0	72578					2.00	72578									2.00	4033	2.00	404	6.19											
FAY	71	510+67.58	522+42.92	9.672	9.894	0.223	SB	1	1175	40.0	5224					2.00	5224									2.00	291	2.00	30	0.45											
FAY	71	502+12.80	510+67.58	9.510	9.672	0.162	SB	1	855	48.6	4619					2.00	4619									2.00	257	2.00	22	0.32											
FAY	71	387+96.07	388+85.18	7.348	7.365	0.017	SB	5	89	56	554			2.25	554														0.03	45											
FAY	71	385+33.18	386+22.29	7.298	7.315	0.017	SB	5	89	56	554			2.25	554														0.03	45											
FAY	71	381+04.40	382+07.51	7.217	7.236	0.020	SB	5	103	56	642			2.25	642														0.04	52											
FAY	71	377+92.29	378+95.74	7.158	7.177	0.020	SB	5	103	56	644			2.25	644														0.04	52											
RAMPS																																									
RAMP	WS	703+00.42	712+29.68			0.176	NB	2	929	25.9	2676					2.00	2676																								
RAMP	SE	710+15.55	719+09.13			0.169	NB	2	894	27.2	2701					2.00	2701																								
RAMP	EN	710+10.59	719+41.04			0.176	SB	2	930	26.0	2688					2.00	2688																								
RAMP	NW	702+78.36	712+06.53			0.176	SB	2	928	27.7	2862					2.00	2862																								
MEDIAN CROSSOVERS																																									
FAY	71	507+01.69	509+63.20	9.603	9.652	0.050		3	262	14.6	423		141						4.00	47	6.00	71					2.00	24													
FAY	71	672+42.48	676+53.44	12.735	12.813	0.078		4	411	9.3	425					2.00	425										2.00	24													
FAY	71	743+92.97	748+14.26	14.090	14.169	0.080		4	421	9.0	422					2.00	422										2.00	24													
MAD	71	161+26.84	165+00.32	3.054	3.125	0.071		4	373	9.6	400					2.00	400										2.00	23													
TOTALS CARREID TO GENERAL SUMMARY												141	423	4786	435315	47	71	37477	14733				813	23614	2700	35.78	2225														

PAVEMENT SUBSUMMARY

FAY / MAD - 71 -
9.51 / 0.00

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