

THE PLANNING ACT 2008

**M4 (JUNCTIONS 3 TO 12) (SMART MOTORWAY) DEVELOPMENT CONSENT
ORDER APPLICATION**

TR010019

Response to Second Written Questions

Slough Borough Council

**Appendix B - Turning movements at M4 junctions 5,
6 and 7**

Deadline VI - 29 January 2016

M4 – J5 Traffic Impact during Construction period 2017 / 2020

DM – Do Nothing Scenario, DS – With Construction TM (Phase 1 - 2017, Phase 2 – 2020)

Traffic figure are in Vehicles.

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	745	744	37	37	56	61
M4 - East (London)	413	409	0	0	293	295	4,614	4,417
A4/ Heathrow	93	94	239	245	9	9	577	578
M4 - West	413	420	4,183	3,965	541	537	0	0

Table 1 – 2017 Construction year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	755	764	20	20	168	176
M4 - East (London)	663	669	0	0	489	496	4,680	4,476
A4/ Heathrow	82	81	194	203	0	0	752	744
M4 - West	477	478	4,692	4,530	225	223	0	0

Table 2 – 2017 Construction year PM peak 17:00 - 18:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	761	746	38	39	52	49
M4 - East (London)	417	440	0	0	299	274	4,696	3,865
A4/ Heathrow	92	96	245	206	9	1	607	680
M4 - West	430	344	4,415	3,529	559	538	0	0

Table 3 – 2020 Construction year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	806	800	20	26	154	107
M4 - East (London)	675	652	0	0	515	494	4,912	4,002
A4/ Heathrow	77	119	185	98	0	0	770	801
M4 - West	495	421	4,854	3,878	220	236	0	0

Table 4 – 2020 Construction year PM peak 17:00 - 18:00

M4 – J5 Traffic Impact during Operation 2022 / 2037

DM – Do Nothing Scenario, DS – With Smart Motorway (Opening year - 2022, Design Year – 2037)

Traffic figure are in Vehicles.

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	775	712	42	42	60	128
M4 - East (London)	432	425	0	0	311	274	4,802	5,474
A4/ Heathrow	89	81	280	263	1	0	609	648
M4 - West	494	622	4,583	5,279	592	642	0	0

Table 1 – 2022 Opening year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	800	756	24	22	196	193
M4 - East (London)	679	592	0	0	548	461	5,032	5,872
A4/ Heathrow	87	109	216	165	0	0	725	750
M4 - West	495	598	4,901	5,621	220	233	0	0

Table 2 – 2022 Opening year PM peak 17:00 - 18:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	783	683	43	40	87	188
M4 - East (London)	461	454	0	0	340	289	5,158	5,816
A4/ Heathrow	75	66	313	268	0	0	631	677
M4 - West	515	656	4,699	5,637	585	617	0	0

Table 3 – 2037 Design year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		A4/ Heathrow		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	852	812	20	19	167	175
M4 - East (London)	681	563	0	0	608	497	5,166	6,058
A4/ Heathrow	86	104	183	131	0	0	755	788
M4 - West	524	651	5,095	5,970	219	236	0	0

Table 4 – 2037 Design year PM peak 17:00 - 18:00

M4 – J6 Traffic Impact during Construction period 2017 / 2020

DM – Do Nothing Scenario, DS – With Construction TM (Phase 1 - 2017, Phase 2 – 2020)

Traffic figure are in Vehicles.

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	992	1,005	292	284	524	501
M4 - East (London)	709	701	0	0	377	383	4,160	3,971
Windsor	378	376	446	449	0	0	275	268
M4 - West	1,035	1,042	3,757	3,535	284	282	0	0

Table 1 – 2017 Construction year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,095	1,165	374	358	931	851
M4 - East (London)	749	759	0	0	603	615	4,332	4,107
Windsor	199	197	485	480	0	0	218	195
M4 - West	953	937	3,880	3,543	89	90	0	0

Table 2 – 2017 Construction year PM peak 17:00 - 18:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,017	897	256	305	557	536
M4 - East (London)	712	706	0	0	379	366	4,263	3,519
Windsor	356	406	475	432	0	0	260	174
M4 - West	1,050	946	3,976	3,146	283	268	0	0

Table 3 – 2020 Construction year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,079	985	383	363	939	973
M4 - East (London)	757	711	0	0	588	450	4,576	3,837
Windsor	196	228	487	437	0	0	226	196
M4 - West	960	903	4,075	3,164	78	112	0	0

Table 4 – 2020 Construction year PM peak 17:00 - 18:00

M4 – J6 Traffic Impact during Operation 2022 / 2037

DM – Do Nothing Scenario, DS – With Smart Motorway (Opening year - 2022, Design Year – 2037)

Traffic figure are in Vehicles.

From	A4/Slough		M4 – East (London)		Windsor		M4 - West	
	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,153	1,171	246	229	610	695
M4 - East (London)	714	657	0	0	381	425	4,367	5,169
Windsor	349	291	486	544	0	0	283	306
M4 - West	1,081	1,221	4,105	4,931	257	339	0	0

Table 1 – 2022 Opening year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
From	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,105	1,063	379	350	951	983
M4 - East (London)	778	802	0	0	555	575	4,708	5,563
Windsor	180	163	495	500	0	0	216	331
M4 - West	887	993	4,095	4,799	157	157	0	0

Table 2 – 2022 Opening year PM peak 17:00 - 18:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
From	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,274	1,284	220	202	650	703
M4 - East (London)	681	623	0	0	427	474	4,763	5,594
Windsor	316	264	522	562	0	0	326	356
M4 - West	1,176	1,336	4,112	5,167	276	378	0	0

Table 3 – 2037 Design year AM peak 08:00 - 09:00

To	A4/ Slough		M4 - East (London)		Windsor		M4 - West	
From	DM	DS	DM	DS	DM	DS	DM	DS
A4/ Slough	0	0	1,134	1,117	286	262	993	1,088
M4 - East (London)	795	812	0	0	546	584	4,851	5,803
Windsor	171	146	505	510	0	0	278	420
M4 - West	883	1,003	4,288	5,335	127	117	0	0

Table 4 – 2037 Design year PM peak 17:00 - 18:00

M4 – J7 Traffic Impact during Construction period 2017 / 2020

DM – Do Nothing Scenario, DS – With Construction TM (Phase 1 - 2017, Phase 2 – 2020)

Traffic figure are in Vehicles.

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
Slough	0	0	594	655	689	634
M4 - East (London)	589	655	0	0	4,326	4,045
M4 - West	1,115	997	4,482	4,199	0	0

Table 1 – 2017 Construction year AM peak 08:00 - 09:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
Slough	0	0	537	573	1,103	959
M4 - East (London)	750	793	0	0	4,758	4,381
M4 - West	626	559	4,358	4,071	0	0

Table 2 – 2017 Construction year PM peak 17:00 - 18:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
Slough	0	0	565	562	708	709
M4 - East (London)	589	470	0	0	4,439	3,713
M4 - West	1,204	1,258	4,747	3,794	0	0

Table 3 – 2020 Construction year AM peak 08:00 - 09:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
Slough	0	0	526	461	1,151	1,176
M4 - East (London)	744	680	0	0	5,042	4,338
M4 - West	691	699	4,568	3,705	0	0

Table 4 – 2020 Construction year PM peak 17:00 - 18:00

M4 – J7 Traffic Impact during Operation 2022 / 2037

DM – Do Nothing Scenario, DS – With Smart Motorway (Opening year - 2022, Design Year – 2037)

Traffic figure are in Vehicles.

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
From						
Slough	0	0	571	622	683	649
M4 - East (London)	703	829	0	0	4,499	5,271
M4 - West	1,165	1,148	4,876	5,858	0	0

Table 1 – 2022 Opening year AM peak 08:00 - 09:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
From						
Slough	0	0	603	601	1,147	1,245
M4 - East (London)	752	795	0	0	5,162	6,125
M4 - West	665	657	4,519	5,496	0	0

Table 2 – 2022 Opening year PM peak 17:00 - 18:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
From						
Slough	0	0	544	551	651	659
M4 - East (London)	883	890	0	0	4,770	5,676
M4 - West	1,132	1,209	5,020	6,337	0	0

Table 3 – 2037 Design year AM peak 08:00 - 09:00

To	Slough		M4 - East (London)		M4 - West	
	DM	DS	DM	DS	DM	DS
From						
Slough	0	0	552	520	1,153	1,284
M4 - East (London)	776	849	0	0	5,397	6,493
M4 - West	703	738	4,735	5,921	0	0

Table 4 – 2037 Design year PM peak 17:00 - 18:00