

Highways England

M4 Smart Motorway (Junctions 3 to 12)

Update on CCTV Provision February 2016

1. Paragraph 4.2.15 of Chapter 4 of the Environmental Statement (“ES”) (Application Document Reference 6-1, APP-144) notes *“Approximately 130 Pan, Tilt and Zoom (“PTZ”) closed circuit television (“CCTV”) cameras installed on 15m masts will be provided to ensure there is full coverage of all driving lanes. This enables Traffic Officers at the Highways England’s existing Regional Control Centre (“RCC”) at South Mimms to manage incidents and set the appropriate signs and signals.”*
2. In the response to the ExA’s first set of questions (ref E4.1.7) Highways England confirmed that, whilst the preliminary design included 124 CCTV cameras on the Work Plans (Application Document Reference 2-3, APP-013 to APP-017), the figure could not be confirmed until completion of a “high-level” CCTV survey. Highways England added that a maximum of 130 cameras was expected at that time to accord with the assessment in the ES.
3. The high level CCTV survey was completed in January 2016 and highlighted visibility issues associated with the highway curvature, Temporary Traffic Management Signs (ref 6.4.14 of the Engineering and Design Report, APP-096) at various locations between junctions 3 and 8/9, and some overbridge locations. To ensure 100% visibility of the Scheme is maintained (ensuring that a broken down vehicle can be seen by Highways England’s control room operators and can be protected by closing the affected lane, setting of warning messages and dispatching a Traffic Officer Service patrol), the following modifications are therefore required to the CCTV camera locations shown on the Work Plans:
 - 3.1 Camera 54 which was originally located next to the J7 westbound entry slip (work plan sheet 20) road requires relocation to the J7 eastbound exit slip road at Ch 29265;
 - 3.2 Camera 64 on the eastbound carriageway at Chainage (Ch) 33064 (work plan sheet 18) requires relocation to the westbound carriageway at Ch 32960 where it will be located next to the new gantry in this area;
 - 3.3 Camera 66A adjacent to the J8/9 eastbound exit slip road (work plan sheet 17) is no longer required;
 - 3.4 20 cameras in addition to those shown in the work plans will be required at various locations between junctions 8/9 and 3 as detailed below:

Camera Number	Chainage	Drawing Number
001	10570	Works Plan Sheet 30
004	11919	Works Plan Sheet 29
007	12610	Works Plan Sheet 29
018	15578	Works Plan Sheet 27
022	17353	Works Plan Sheet 26
023	17795	Works Plan Sheet 26
030	20317	Works Plan Sheet 25
034	21964	Works Plan Sheet 24
036	22500	Works Plan Sheet 24
038	23265	Works Plan Sheet 23
041	24295	Works Plan Sheet 23
043	24871	Works Plan Sheet 22
045	25831	Works Plan Sheet 22
048	27060	Works Plan Sheet 21
050	27916	Works Plan Sheet 21
052	28610	Works Plan Sheet 20
055	29810	Works Plan Sheet 20
059	31049	Works Plan Sheet 19
062	32150	Works Plan Sheet 18
139	52100	Works Plan Sheet 7

4. As a result of the changes listed above, the final total number of CCTV cameras shown on the work plans is 139. 120 cameras were initially shown on the work plans, one has been removed and 20 added.

5. Highways England's response to the Examining Authority's first set of questions (ref 4.1.7) noted that "because each camera is simply a slender, pole mounted structure (see paragraph 6.4.15 of the Engineering and Design Report (Application Document Reference 7-3, APP-096))...it is not necessary or proportionate to assess each and every camera, just as it would not be necessary to assess and mention the location of each and every lamp post". Whilst it is not considered that an increase of nine cameras above the 130 detailed in the ES (representing less than 1% of the overall total of CCTV and lamp posts on the Scheme) has any material effect on the assessment of effects detailed in the ES, an individual assessment of the relocated and additional cameras is contained in the schedule in Appendix 1 to this response.