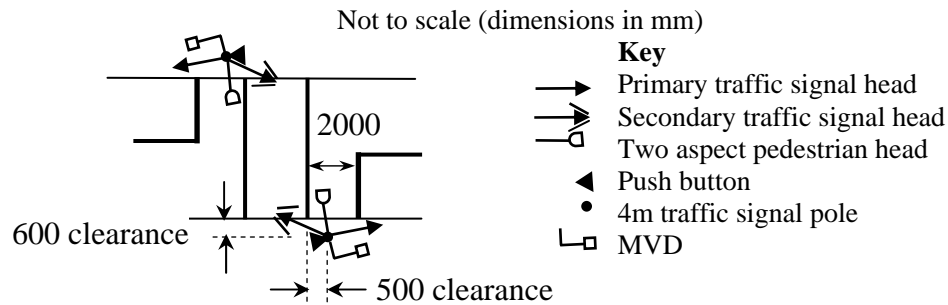
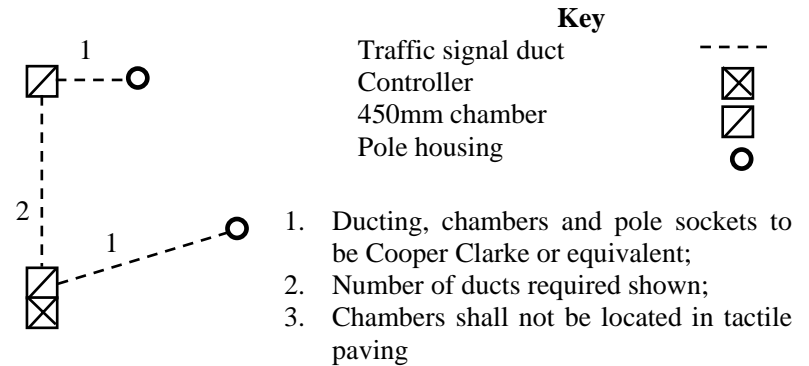


LAYOUT AND DESIGN REQUIREMENTS



1. Tactile paving and dropped kerbs required as per drawing Pelican_Detail_02;
2. Pedestrian barrier may be required;
3. Minimum width of crossing 2.4m;
4. Road crossing width generally not to exceed 10m;
5. Push buttons shall be PRISMA DAPS with tactile and audible units mounted as shown. Underside of push button to be between 1.0 and 1.1m above footway level;
6. Push buttons shall be ELV;
7. Traffic signal heads and pedestrian heads shall have 2.1m clearance above footway;
8. Traffic signal poles shall be 4m, predrilled, galvanised and plastic coated;
9. Poles shall be installed as shown on drawing number Pole_Setting_Out_01;
10. All equipment shall be approved to UK Highways Agency standards and/or BS505;
11. Solar cell required shall be installed to dim traffic displays to 160v;
12. Pelican generally shall operate in VA mode using MVD's. In some circumstances loops may be required;
13. OMCU shall be supplied and installed in the controller by SDCC;
14. OMCU shall utilise PSTN or GSM communications;
15. Controller shall be in accordance with the *Requirements for the Design and Installation of Traffic Control Equipment for South Dublin County Council*;
16. Controller shall be carefully sited to minimise obstruction to pedestrians and cyclists and in particular shall not obstruct visibility of pedestrians and cyclists for approaching vehicles;
17. Power supply shall be 20 amps;
18. Road markings shall be in accordance with the Traffic Signs Manual - Figure 7.31, Pages 7.51 & 7.52;

DUCTING REQUIREMENTS



TIMINGS

Pedestrian Display	Traffic Display	Timings(seconds)
Red standing figure	Steady green	20
Red standing figure	Steady amber	3
Red standing figure	Steady red	1 gap/2 forced
Green walking figure	Steady red	6 or 7 ^(a)
Flashing green figure	Steady red	2
Flashing green figure	Flashing amber	6 to 10 ^(b)
Red standing figure	Flashing amber	2

(a) 6 seconds up to 7.5m, 7 seconds 7.5m to 10.0m crossing width;
 (b) road width in metres divided by 1.2, minimum 6 seconds;

NOTES

1. This drawing summarises key requirements. All installations shall be in accordance with the current version of *Requirements for the Design and Installation of Traffic Control Equipment for South Dublin County Council*;
2. Any variations from this document must be agreed in advance in writing with the Project Engineer, Traffic Section;



South Dublin County Council
Roads (Traffic & Transportation)
Department

Standard Layout and Design Requirements
For a typical Pelican Crossing (Version 2.0)

Drawing Number:
Pelican_Detail_01

Date: August 2005