AtkinsRéalis

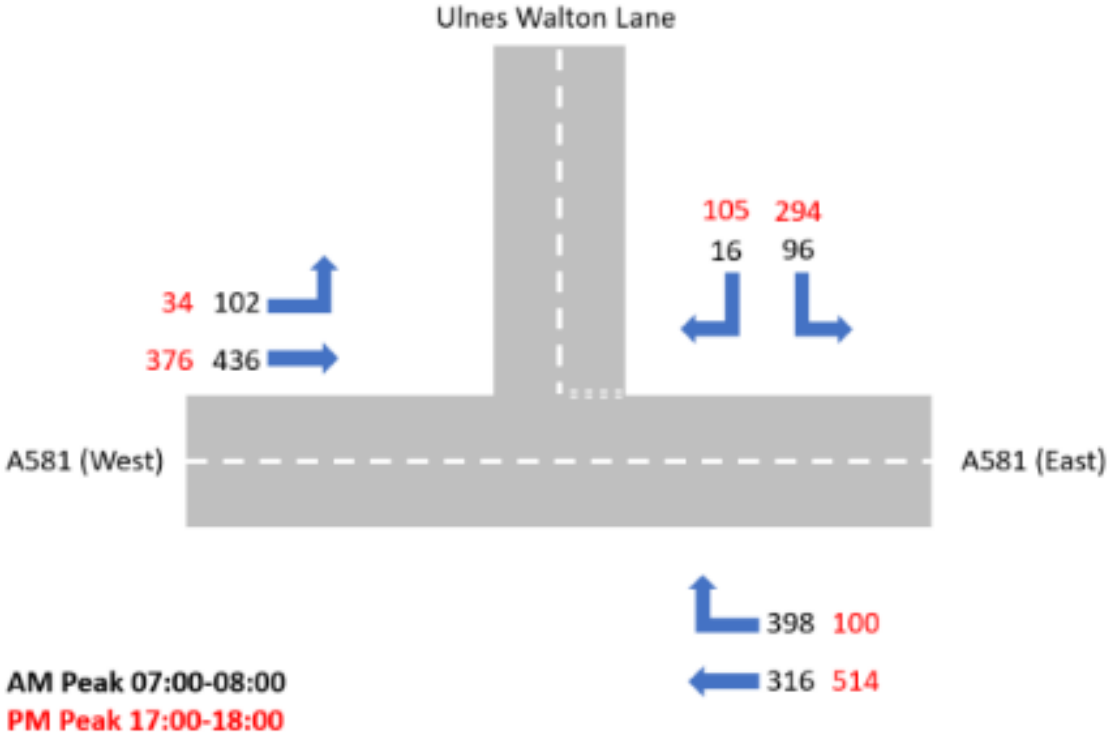
HMP Garth and HMP Wymott, Moss Lane, Ulnes Walton, Leyland

Application 21/01028/OUTMAJ

A581/Ulnes Walton Lane – Side Arm Flow Comparison

Core Document M10 – P8 (Figure 2-2 for Reference)

Figure 2-2 - A581/Ulnes Walton Lane Traffic Flows (2025 with Development)



Core Document M7 – P56 (Mini Roundabouts Good Practise Guidance)

The 81% value in the Good Practise Guidance relates to the proportion of traffic turning in and out of the side road against the major arm flow.

Side Road Flow (AM Peak) = (102 +16 + 96 + 398) = **612**

Major Arm Flow (AM Peak) = (436 + 316) = **752**

Side Road Flow as a Percentage of Major Road Flow = 612/752 = **81%**

Core Document M10a – P56 (TRL Junctions 10 Outputs and Data Warning)

The 91% value in the software relates to the proportion of the main arm approach flow against the total junction flow.

A581 West Total Approach Flow = (102+436) = **538**

A581 East Total Approach Flow = (398+316) = **714**

Total Mainline Approach Flow = (538+714) = **1,252**

Total Junction Flow = (102+436+16+96+316+398) = **1,364**

Main Arm Approach Flow (including vehicles turning into side arm) as a Percentage of Total Junction Flow = 1,252/1,364 = **91%**