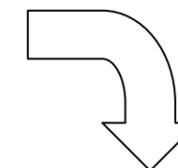
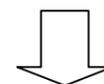
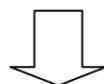
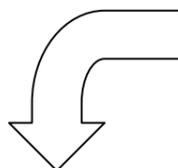


1. Prepare Borough-wide "Master" drawing c/w Zone Identifiers
2. Identify and plot on Borough-wide drawing all Major (Lit) Traffic Routes – shape files
3. Break down the Borough into Working Areas (based on Bulk Change & Clean programme Zones and plot on Master Drawing
4. Prepare Area drawing(s) for each Working Area using GIS shape file data provided
5. Production Line as per running order
6. Production process adapted to suit Traffic Route and RZ drawing requirements



RESIDENTIAL ROADS & INDUSTRIAL ESTATES

Change residential areas to part night between midnight and 5.30 with exceptions changed to low energy fluorescent luminaires. Process detailed below:

1. Identify residential streets and Industrial streets
2. Note CCTV Camera locations
3. Identify and note Traffic Calmed streets
4. Identify and note Ped Xings / Subways
5. Identify and note Remote Footpaths / Alleyways
6. Identify and note "fear of crime" areas – consider graffiti, vandalism, anti-social evidence
7. Identify and note key junctions [give way signs]
8. Identify and note high night footfall / high night vehicle access areas

Document potential Exemption areas and clearly note logic

Include proposals for Low Energy Fluorescent luminaires on the design drawings and schedules

Identify Part Night Lighting areas on the design drawings and schedules

RURAL LIT TRAFFIC ROUTES

Lighting that is situated on inter urban and rural traffic routes will be switched off unless identified for exemption. It is anticipated that Rural traffic Routes will have fewer exemptions. Assessment criteria is stated below:

As part of survey, identify and note columns that will be proposed for switch off. Lighting will be proposed for switch off when it satisfies the following criteria:

1. There are very few houses/businesses/amenities that have vehicular access to the road
2. There are no schools or high traffic generating venues that have direct access/egress onto the traffic route
3. There are no traffic signalled junctions
4. There are no heavily used pedestrian crossings (with a refuge beacon), zebra crossings, speed humps, speed control chicanes or the like
5. There are no roundabouts

Document potential Exemption areas and clearly note logic

Develop drawings and schedule identifying proposals for switch off and dimming

URBAN LIT TRAFFIC ROUTES

Lighting that is situated on inter urban and rural traffic routes will be switched off unless identified for exemption. It is anticipated that Urban traffic Routes will be largely exempt.

Additional urban assessment criteria is noted below:

1. Where lighting is retained identify major junctions and/ or any areas where significant TM costs are likely or access is very difficult and propose LED lighting. Note LED replacement lighting must be designed to meet the CEC lighting standards – likely to be BS5489
2. Consider dimming of existing lighting in all other areas but exempt any areas where traffic flows remain high at night, accidents are higher than average.

Document potential Exemption areas and clearly note logic

Include proposals for LED and Dimming on the design drawings and schedules

TOWN CENTRE MAIN STREETS

Lighting in town centres will be dimmed when traffic flow and footfall drop significantly. Lighting will be upgraded to white light in high footfall shopping and tourist areas where not already a white light source

1. Identify and note main shopping/social streets
2. Identify and note "fear of crime" areas – consider graffiti, vandalism, anti-social evidence Plot CCTV Camera locations
3. Consider Traffic / Night activity Data, evaluate least-flow periods
4. Review timings for Dimming
5. Identify and note Action/Exemption areas/locations

Document potential Exemption areas and clearly note logic

Include proposals for LED and Dimming on the design drawings and schedules