

Conwy & Denbighshire Collaboration Highway Lighting



Presented by
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Assets

Conwy

- 15,020 Street Lights
- 2,210 Illuminated Signs and Bollards
- 5No. Office Based Staff (plus one Supervisor)
- 4No. Electricians
- 4No. Installation Operatives
- Revenue Budget: £1,130,000
- Capital Budget: £496,000

Assets

Denbighshire

- 11,415 Street Lights
- 1,415 Illuminated Signs & 298 Illuminated Bollards
- 3No. Office Based Staff (plus one Supervisor)
- 3No. Electricians
- 4No. Installation Operatives
- Revenue Budget: £785,000
- Capital Budget: £225,000
- Internal Trading Account: £985,000(450K private work)

Project Aims

- To provide a high quality in house service including design, specification and installation of all Highway Lighting Equipment
- To develop a high performing team of skilled Engineers, Technicians and Front Line staff
- To make best use of resources (labour and plant)
- To obtain most competitive prices when procuring materials and services
- To expand customer base in order to generate income to Conwy and Denbighshire

Project Aims

- To ensure staff are fully consulted throughout all stages of the project
- To ensure that the views of staff are taken into consideration.
- To allow more effective use of resource to cover areas not currently undertaken due to time/budgetary restraints

Project Objectives – Alignment of Policies

- Electrical Safety Policy to ensure all electrical equipment placed within the highway conforms to industry standards.
- Code of practice for Festive Lighting.
- Fly Posting on traffic signs lighting columns
- Cutting /Felling overhanging trees
- Restrictions on placing equipment over the Highway (includes Christmas Lights/Banners etc)
- Attachment of equipment to lighting columns
- Temporary electrical supplies from lighting columns

Project Objectives – Standardise Equipment

- DCC and Conwy have different equipment on similar type roads.
- Resulting in a high number of different spares needed.
- Large number of stock items held in the stores
- Engineers have now agreed to standardise. Similar type of street will have the same lantern, column and other equipment.

Project Objectives – Standardise/Review working arrangements

- DCC – Twin hatted – operate as single team
- CCBC – Client Contractor Split
- Electrical Maintenance in Conwy on an area basis i.e. Electrician responsible for an area
- DCC –County wide
- DCC Has dedicated inspector
- CCBC – Electricians inspect area

Project Objectives – Cross Boundary Working

- Lighting Design – develop design expertise within the team with individuals covering both Authorities
- Develop design and build service for externally funded schemes
- More efficient use of staff and equipment
- Single team of Electricians and Installation Operatives covering both Authorities.

Project Objectives – Expand/Develop Joint Tender for Materials

- Existing Tender covers all North Wales Authorities
- Not all items included
- Expand scope to cover all items
- South Wales Authorities wish to be included
- Includes electronic ordering
- Bulk Purchases
- Reduction in stock holding (suppliers now hold stock)
- Improved lead time on items resulting in improved planning (Columns now delivered in days rather than weeks)

Project Objectives – Expand/Develop Joint Tender for Materials

- Reduction in number of suppliers from 12 to 3
- Reduction in number of orders/invoices. (Electronic rather than paper)
- Other departments i.e. Building Maintenance are able to take advantage of the tender particularly when purchasing lamps etc for schools and other public buildings

Project Objectives – Shared use of specialist equipment

- More efficient use of specialist equipment
- Possible reduction in plant requirements due to flexible working



Progress to date

- “Change” Workshop arranged to encourage staff in both teams to engage in the development of the project.
- Common lighting management system now being procured utilising latest hand held technology
- Policies now aligned so that new housing developments will have same specification
- Ongoing work to standardise working arrangements – Night Time inspection /fix in one visit.
- Cross Border Working – DCC have carried out design work for Conwy

Progress to Date

- Scope of Materials Tender being expanded to cover all Street Lighting Equipment.
- This tender will be available to all Authorities in Wales
- Agreement reached with Scottish Power /Areva/DCC and Conwy re the method of connecting power to the columns saving DCC 18k p.a. and CBC 15.2k p.a.
- Process Mapping of procedures in order to compare methods of working in both Authorities
- Review age profile of staff

Future Objectives

- Possibility of logging all fault reports via DCC call centre – communicate via publicity/tel number on each column
- Carry out inspection and repair to lights in one visit i.e. flexible working – night time working.
- Introduction of new technology allow remote monitoring and direct control of burning hours.
- Implement Apprentice Training programme to address age profile of staff.
- Question how other external lighting is maintained i.e schools and other amenity areas.

Direct Savings – Actual/Potential

- Actual Tripartite Agreement - Scottish Power, AREVA, DCC & CBC - 33.5k p.a. savings
- Joint Materials Tender 20k p.a. (savings to DCC)
- Review of Night time inspections and method of carrying out Electrical Maintenance. (Inspecting lights costs 31k p.a. in Conwy and 13.5k p.a. in Denbighshire.)

Lessons Learned

- Both teams need to be fully committed to the aims of the Collaboration Project.(SPRINT workshop arranged for staff November 20th facilitated by WAG)
- Effective communication is vital
- Map out existing processes at an early stage

Collaboration

Thank you for listening

Any Questions