



# Sustainable Highways

## Selling to Croydon

Dave Wickens

Head of Engineering and Project Co-ordination

Croydon Council

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# Definition of Civil Engineering

- ICE Charter
- Being the art of directing the great sources of power in Nature for the use and convenience of man

**SUSTAINABLY**

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# Sustainable Highways –Why?

- Sustainability needs to be at the forefront of all our design
- It needs to become the norm and not the preserve of a few
- Engineers need to ensure that their works do not drain the world of its ‘sustenance and energy’

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# Sustainable Highways – How?

- We need to Identify:

- Products
- Techniques
- Materials

That will enable us to reduce our impact on the environment

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# Minor Highway Works Contract

- Operating for 20years
- Initially renewed annually
- Recently a 3 Year Contract established
- Annual spend in excess of £2 million

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## How are our schemes funded?

- Approximately £1.5million per annum is secured from Transport for London through a bidding process
- Developers in the borough provide funding through planning obligation
- Council funded schemes
- Occasional accident recovery

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# How do we prepare our Contract?

The Minor Highway Works contract is tried and trusted and offers our Engineers the flexibility they need to carry out their work.

- Contract renewed every 3 years
- Conditions of Contract adapted
- Specification altered to reflect:
  - New products
  - Alterations to existing products
  - Testing requirements
  - Our own requirements
  - Sustainability

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 Camden

  
Centre of  
Excellence  
London





# How do we prepare our Contract?

- Schedule of Rates produced
- Interested Contractors sought
- Short listed using a qualification process
- Contractors required to price for items in schedule
- The 6 most advantageous Contractors form select list

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# How do we prepare Schemes?

- Our schemes are generally related to:
  - Bus priority network
  - Traffic calming
  - Environmental Improvements
  - London Cycle network
  - Accident reduction
  - Congestion reduction

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# How do we prepare Schemes?

- Schemes are designed by Council Engineers
  - Drawings are prepared
  - Materials established
  - Quantities calculated
  - Rates from contractors on select list used to prepare Bill of Quantities
  - Most advantageous contractor offered work
  - Works order issued

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# How can we help you?

- We want to improve our schemes sustainability
- We will use new and innovative products
- We are prepared to run trials
- We are not risk adverse
- We can use new products throughout the life of the contract

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# How do we quantify sustainability?

- Improvements on last years recycling figures.
- Reduction on waste arisings.
- Reduction in Carbon emissions
- Reduction in pollution.
- Aiming for CEEQUAL award

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