



Case Study

Housing Department Footways

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Housing Department Footways



Background

Housing Department Footways



Scott Wilson Ltd. is a multi-disciplinary consultancy with experience that includes;

- Data collection for highways
- Asset inventory collection
- Condition modelling
- Asset Management

Housing Department Footways



The Client's Housing Department is responsible for a network of;

- Common areas
- Drying areas
- Garage/parking areas
- Footpaths to properties
- Linking footpaths

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Project aims;

- Determine

- Location

Desktop

- Extent

exercise

- Type

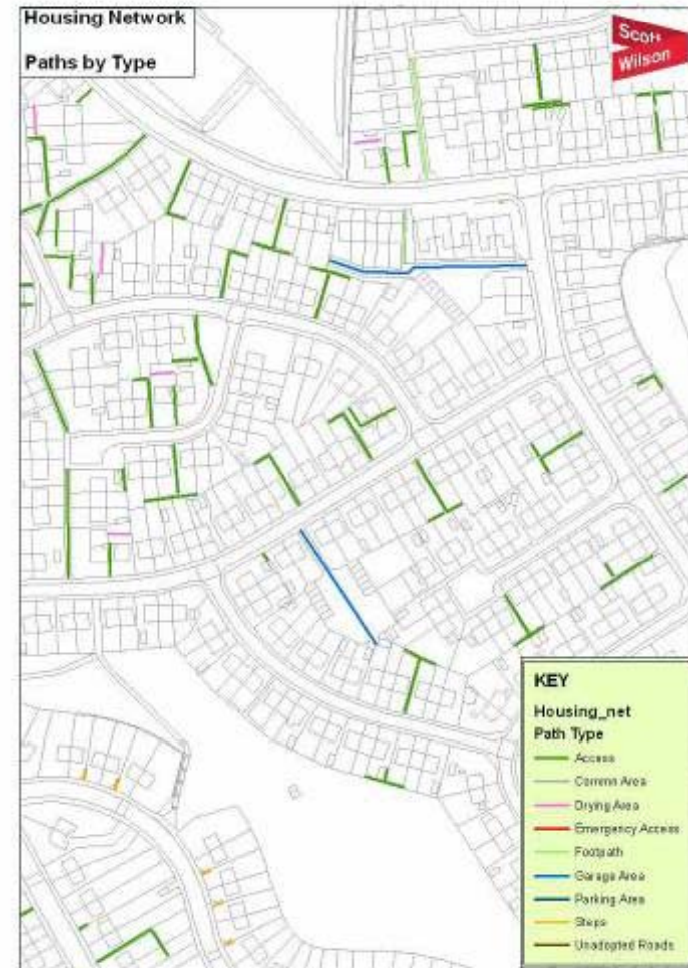
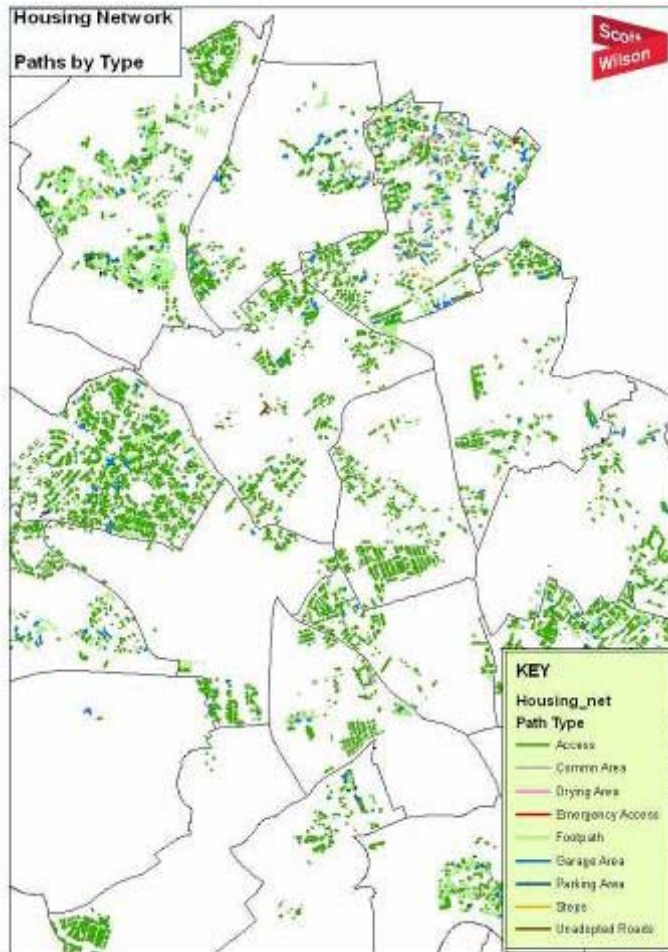
Site

- Condition

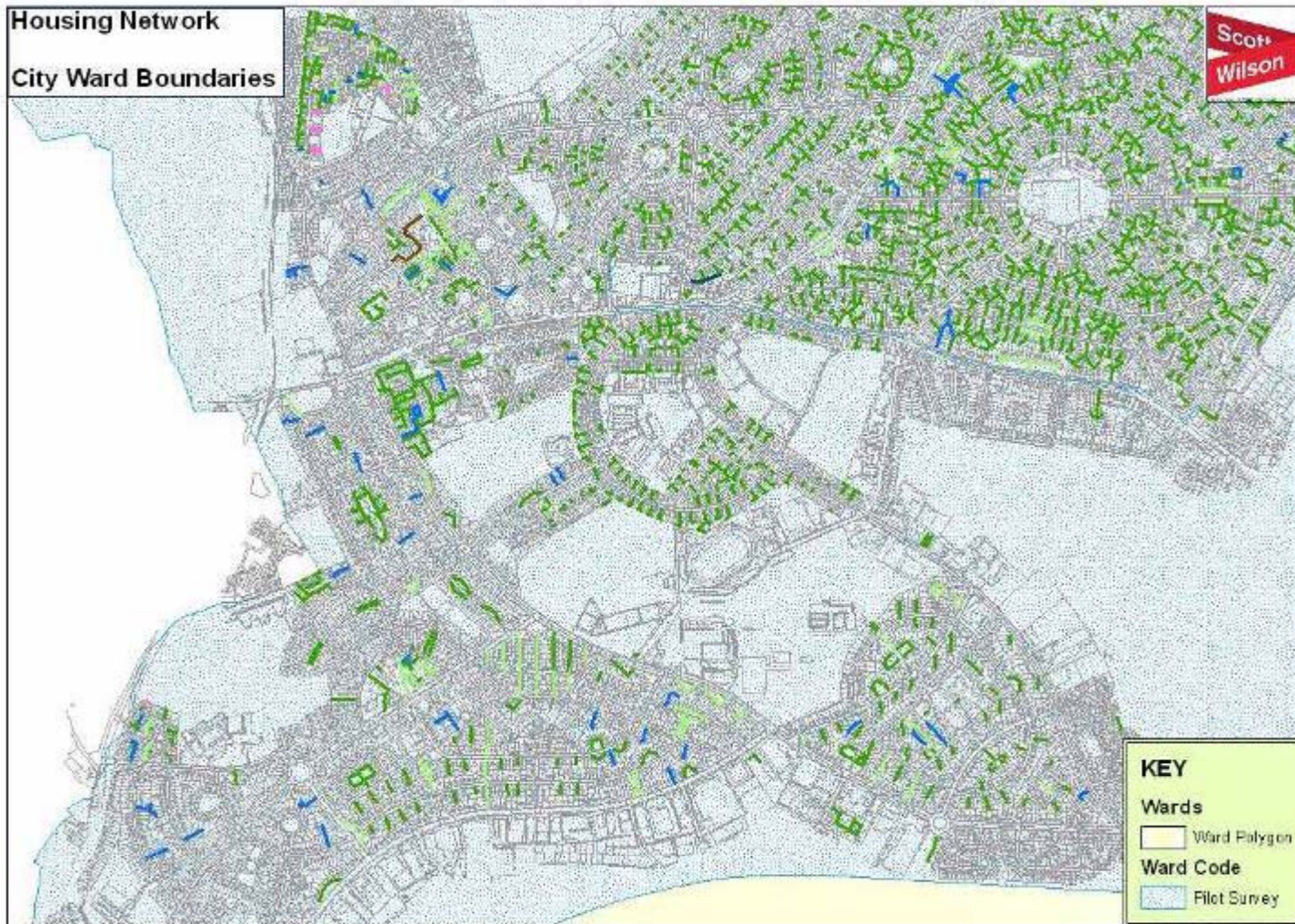
exercise

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Stage 1: Digitising the Network



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Stage 2: Assessment

- Suitable survey – ‘new’ Footway Network Survey
- Inventory and condition
- Data processing
- Feed into Asset Management

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Data collected;

- Surface type
 - Bituminous, flagged, concrete, block paved
- Extent
 - Length and width
- Condition

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As New

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Aesthetically Impaired



Housing Department Footways

Functionally Impaired



Housing Department Footways



Structurally Unsound



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Survey Issues

Housing Department Footways



Housing Department Footways



Housing Department Footways



Housing Department Footways



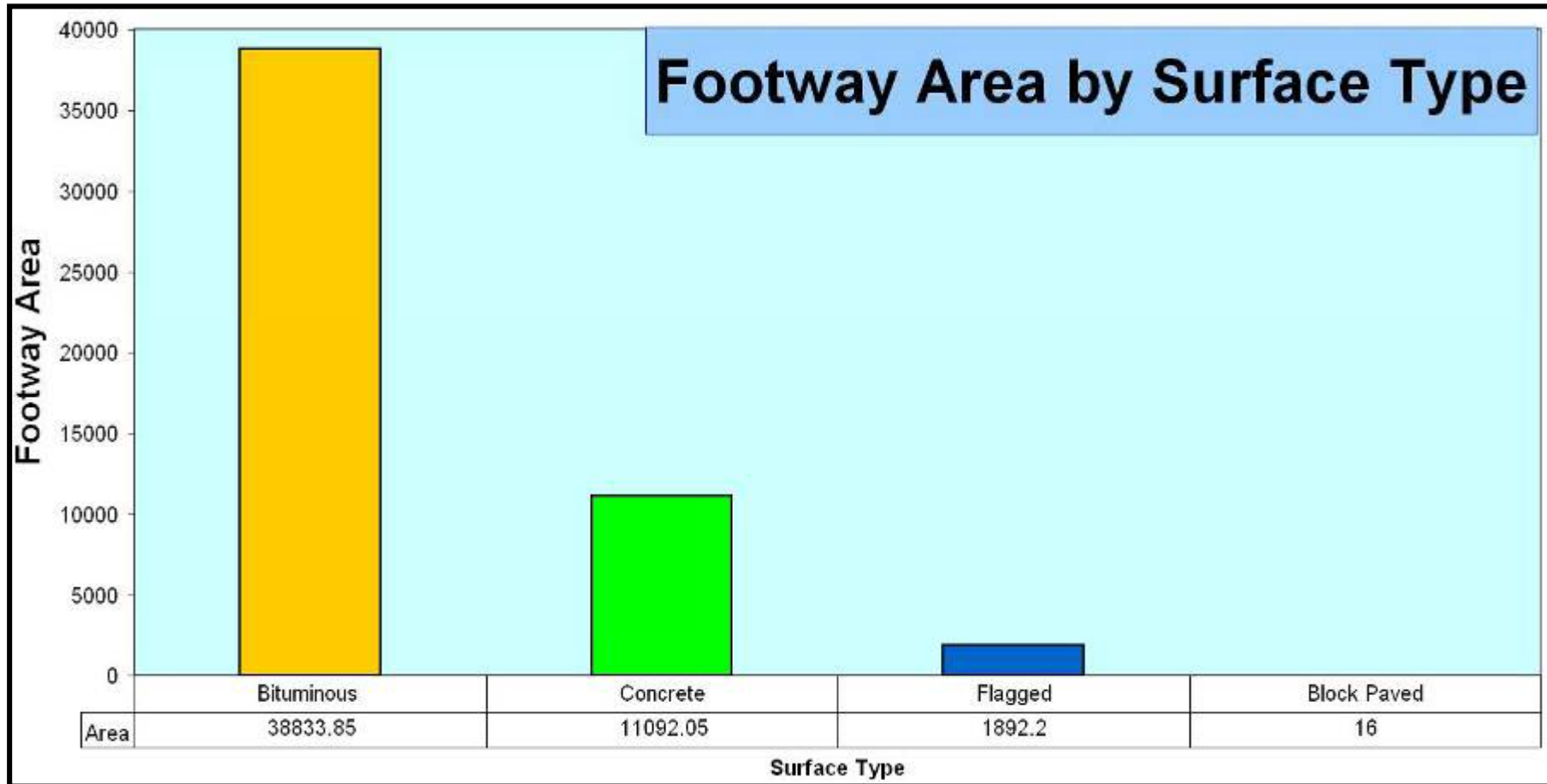
Work in progress

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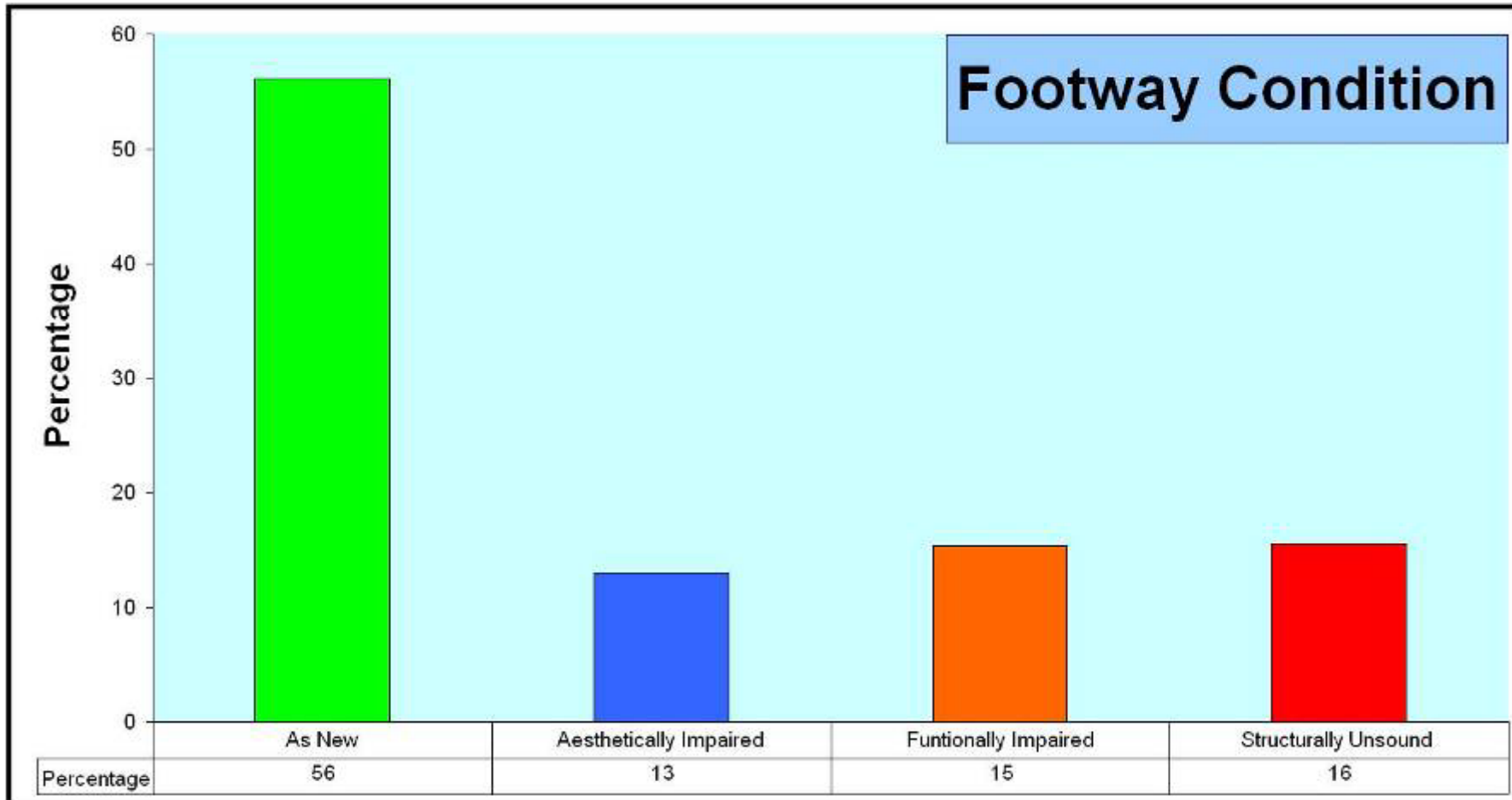


Data Analysis

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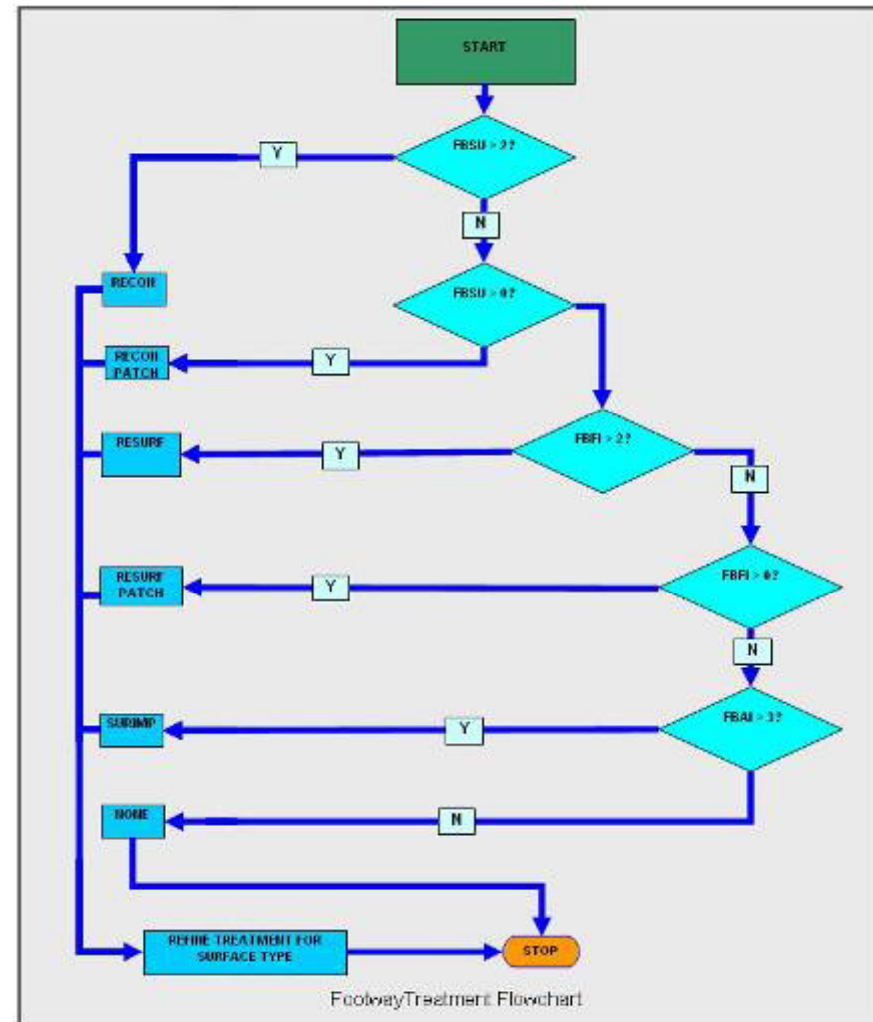
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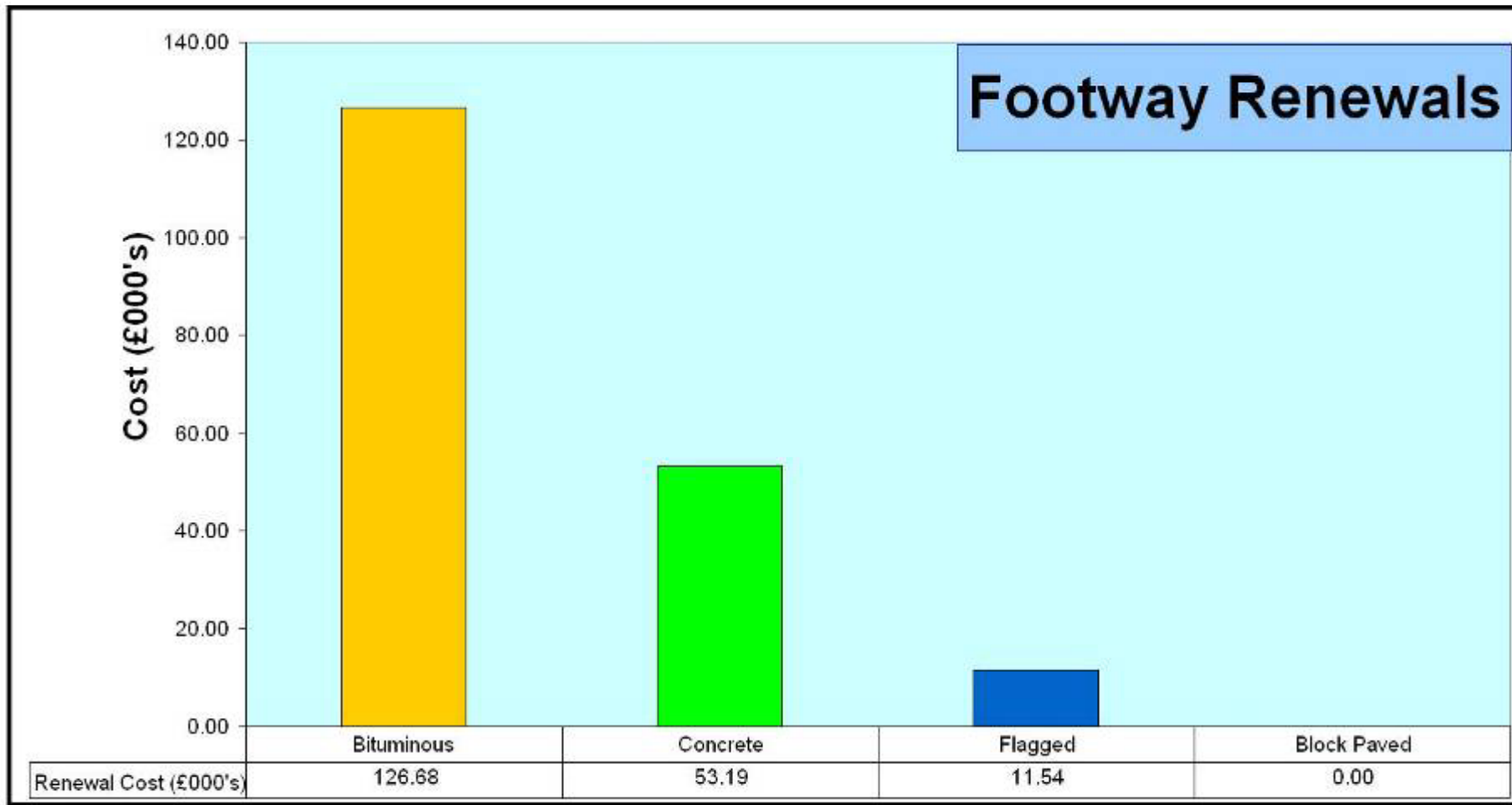
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Treatment Selection



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Asset Valuation – Pilot Survey

ITEM	Value (£)
Footway Gross Replacement Cost	1,373,561
Accumulated Consumption	191,405
Depreciated Replacement Cost	1,182,155

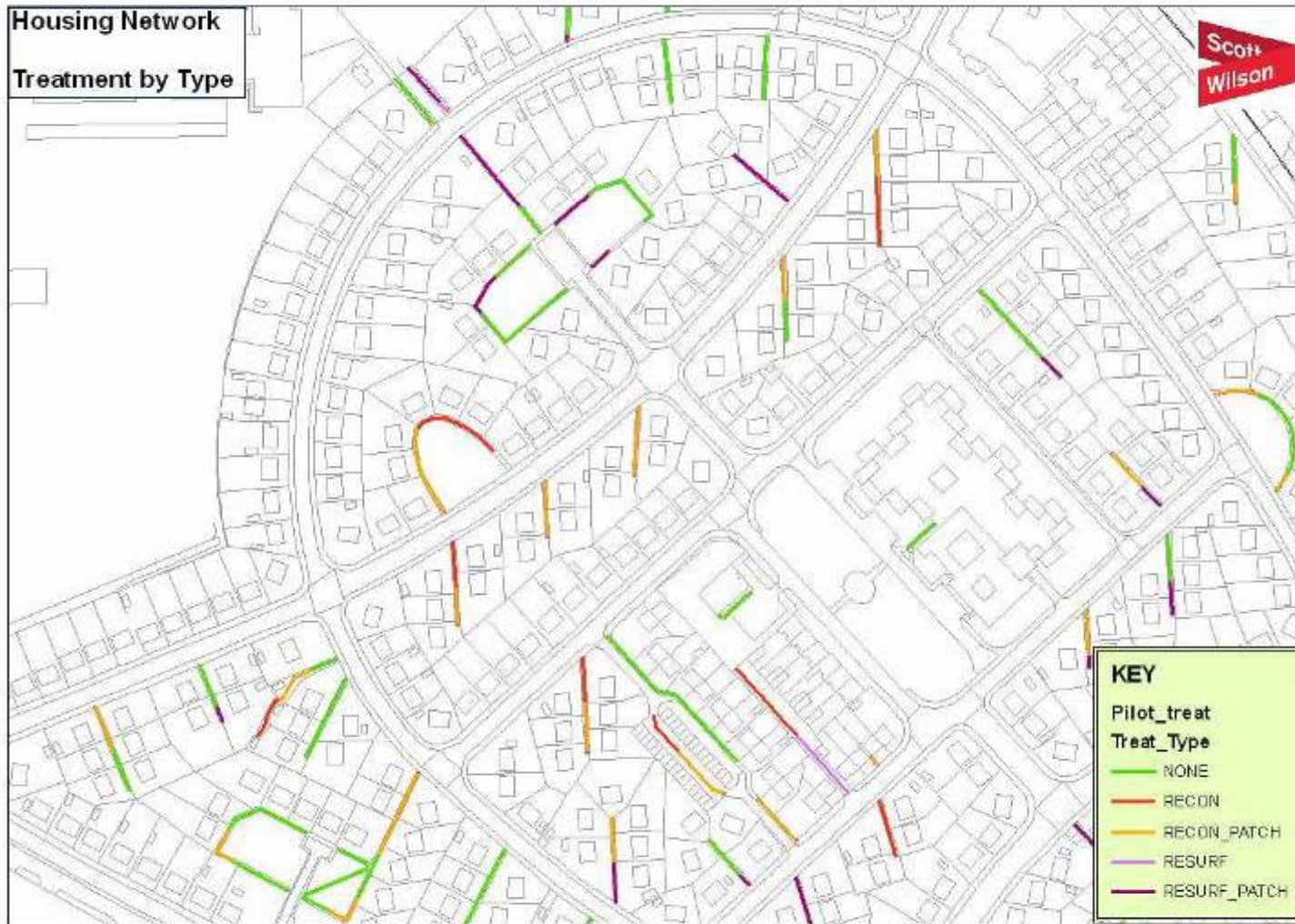
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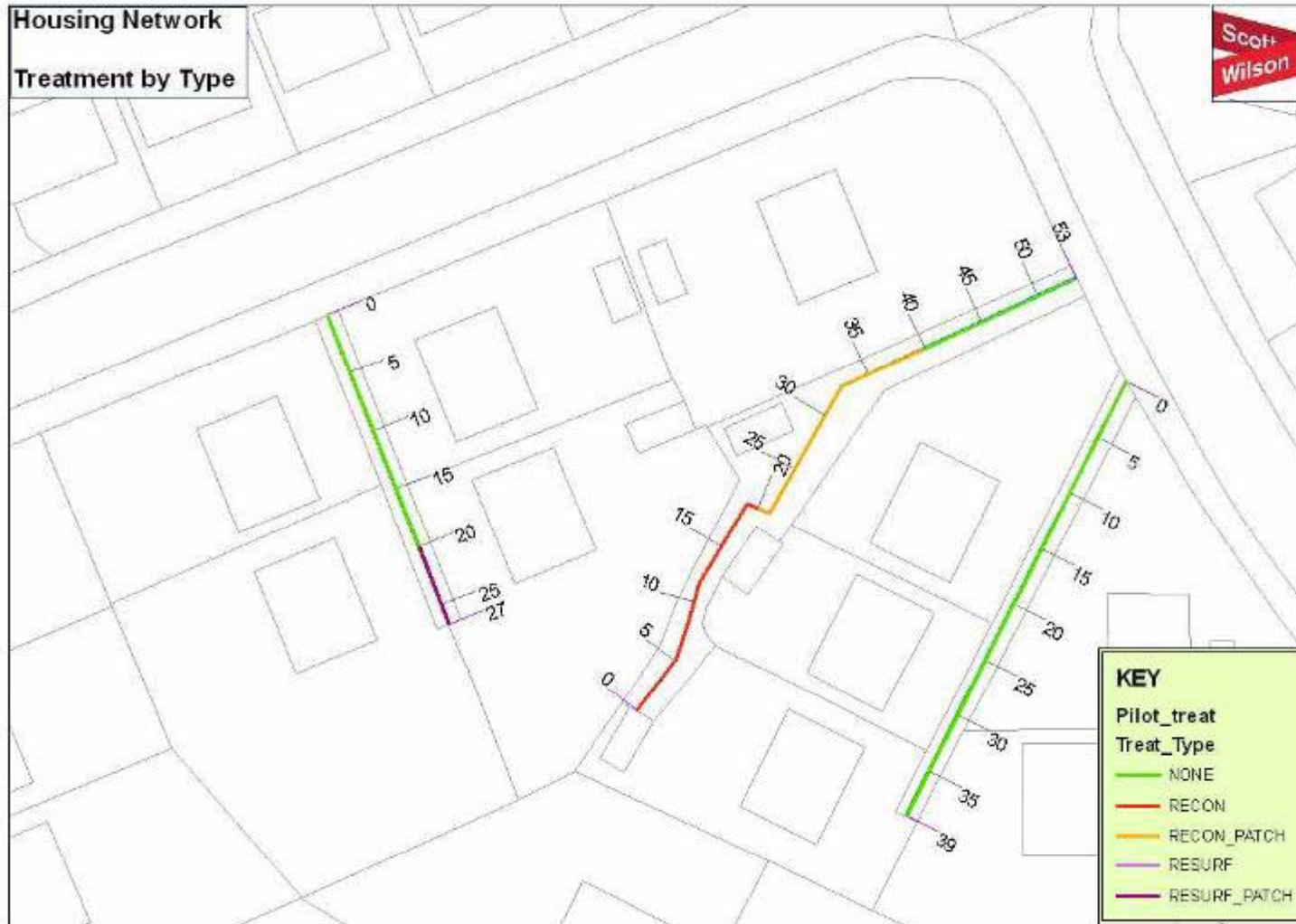
Estimated Network Asset Valuation

ITEM	Value (£)
Footway Gross Replacement Cost	22,000,000
Accumulated Consumption	2,000,000
Depreciated Replacement Cost	<u>20,000,000</u>

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Benefits

- Database of footways, parking, shared areas
- Extent of network known
- Assets located

Pilot Survey

- Data verified on site
- Inventory and condition known
- Valuation
- Remedial works identified

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Summary

- Base network mapped in GIS
- Pilot survey complete
- Productivity around 3 – 3.5 km/day
- Few practical problems
- Draft treatments and costs produced

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Questions ?



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Footways

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