

# Programme of Highway Works

## Streetscene & Transportation

The following information details the proposed programme of highway improvement works to be undertaken during the financial year 2021/22 by Flintshire County Council Streetscene & Transportation.

The programmes have been devised in support of the strategic aims of the County Council to improve roads and transport.

The revenue and capital funded improvement programmes relating to carriageway and footway structural and surface treatments are prioritised from annual condition survey data and visual inspection to improve the highways infrastructure within Flintshire County Council.

## Highways Asset Management Planning

In realising that the current backlog of structural maintenance on carriageways and footways can only be reduced by adopting a long term strategic approach to improving the highways infrastructure, Flintshire County Council in conjunction with the Welsh Assembly Government, has adopted an all Wales approach to Highways Asset Management Planning. The following methodology explains the principles derived in prioritising planned maintenance programmes of work:-

- » Mechanical and visual assessment of the carriageway infrastructure on an annual basis. The information being interpreted by a computerised United Kingdom Pavement Analysis System (UKPMS) to provide an indication as to the level of deterioration of individual roads.
- » Visual assessment of the footway infrastructure on an annual basis. The information being input into a data management system to provide an indication as to the level of deterioration of individual footways.
- » The output from UKPMS and other data sources is then subject to an engineering analysis to provide the long term strategies for improvement which take into account corporate plans for economic and residential development, regional transport planning, community based needs and local accident statistics.
- » Programmes of improvement are prepared on a priority basis with the principle of “worst first” being the general rule.

A whole life costing approach is utilised in determining programmes for various forms of improvement processes i.e

- » Structural improvement in the form of reconstruction where the level of depreciation of the asset is major. Costs associated with this form of improvement are high and it is the practise of whole life costing to introduce programmes of surface treatment at an early stage of deterioration to prolong the life of an asset to minimise the level of reconstruction works which places a large demand on available funding.
- » Surface replacement or strengthening.
- » Surface treatment to re-establish the texture of the surface or prolong a surface life by protecting a surface course that is exhibiting early signs of deterioration through loss of binder / aggregate.
- » Re-texturing of a carriageway surface which is structurally sound but is exhibiting loss of skidding resistance through the polishing of the aggregate within the surface course.
- » To maximise the cost benefit of the financial resources account has to be taken of the benefit to communities through the recognition of local economic and social areas of activity where roads of a similar level of deterioration are under consideration and resources are limited. For example a footway in proximity to a large shopping area or school may have priority over a similar footway in a rural location which has low volumes of pedestrian activity.

The following categories have been included in the list of programmed schemes to identify the factors supporting their inclusion in the programme (Reason for Work in tables below):-

- A. Identified through a condition survey process
- B. Identified through accident investigations as being an accident cluster site or subject to low Sideway-Force Coefficient Routine Investigation Machine (SCRIM).
- C. Subject to high maintenance remedial works

## Note

Whilst every effort has been made to achieve a definitive programme that will provide effective management of the highway assets, it may be subject to change in content and detail throughout the year. Such changes can arise from the need to address unforeseen maintenance demands arising during the year i.e emergency public utilities works and budget adjustments.

## Programme of Highway Works - Carriageway Resurfacing Schemes - 2021/22

The schemes listed in the following programmes are scheduled for completion during the financial year 2021/22. Whilst every effort will be made to achieve these proposals, unforeseen circumstances may result in variations from the displayed programme. This programme may also be subject to change should alterations be required due to Public Utility activity.

Road No.	Location	Ward	Reason for Work
C56	GRONANT HILL TO COUNTY BOUNDARY, GRONANT	GRONANT	A
C121	KINNERTON LANE (PART), HIGHER KINNERTON	PENYFFORDD/ HIGHER KINNERTON	A
A5104	A5104 CORWEN ROAD, COED TALON	TREUDDYN	A
B5127	MILL LANE, BUCKLEY (LINK ROAD TO LINTHORPE ROAD)	BUCKLEY PENTROBIN/ BUCKLEY MOUNTAIN	A
A5026	BOOT HILL (VICTORIA PARK TO DOLLAR PARK) HOLYWELL	HOLYWELL EAST	A
B5129	QUEENSFERRY ROUNDABOUT TO MAKRO, QUEENSFERRY	QUEENSFERRY/MANCOT	A
U/C	ABBOTTS LANE, PENYFFORDD	PENYFFORDD	A
B5122	NORTH OF CAERWYS	CAERWYS	A
U/C	HAFOD PARK, CONNAH'S QUAY	CONNAH'S QUAY GOLFTYN	A
U/C	CONWAY CLOSE, FLINT	FLINT COLESHILL	A
U/C	THE NOOK, MANCOT	MANCOT	A
U/C	OLD MOLD ROAD, (PART) HOPE	HOPE	A
A548	SEALAND ROAD, ROUNDABOUT, SEALAND	SEALAND	A
A550	DOBSHILL ROUNDABOUT	PENYFFORDD	A
C56	LLANASA ROAD, GRONANT - GWESPYR CROSSROADS TOWARDS BRIDGE NEAR OLD SCHOOL HOUSE	GRONANT	A
U/C	A541 TO MAES MYNAN QUARRY, AFONWEN	CAERWYS	A
C76	LON Y WAEN LANE, GORSEDD	WHITFORD	A
C58	PENYFFORDD VILLAGE TOWARDS GLAN YR AFON VILLAGE (PART)	TRELAWNYD GWAENYSGOR	A
B5126	MOLD ROAD, CONNAH'S QUAY	CONNAH'S QUAY GOLFTYN/ CONNAH'S QUAY SOUTH	A

## Programme of Highway Works - Carriageway Surface Treatment Works - 2021/22

The schemes listed in the following programmes are scheduled for completion during the financial year 2021/22. Whilst every effort will be made to achieve these proposals, unforeseen circumstances may result in variations from the displayed programme. This programme may also be subject to change should alterations be required due to Public Utility activity.

Road No.	Location	Ward	Reason for Work
A5151	PEN-FFORDD-LLAN ROUNDABOUT TO SARN JUNCTION	WHITFORD	A
B5121	WHEELER HILL, LIXWM (A541 TO FFORDD Y GRAIG, LIXWM )	CAERWYS/CILCAIN	A
C79	BRYNFORD ROAD , PENTRE HALKYN (PART)	BRYNFORD	A
U/C	RHES Y CAE ROAD , PENTRE HALKYN (PART)	HALKYN	A
C75	A541 TO CILCAIN VILLAGE (PART)	CILCAIN	A
C75	CILCAIN ROAD ,GWERNAFFIED	GWERNAFFIELD	A
C75	GWERNAFFIELD ROAD, NEAR RHUAL ESTATE	GWERNAFFIELD	A
A541	CAERGWRLLE	CAERGWRLLE	A
A541	PONTBLYDDYN	HOPE/LEESWOOD	A

# Programme of Highway Works - Footway Slurry Seal Schemes

Programme currently being prepared.

# Programme of Highway Works - Construction Schemes

Programme currently being prepared.

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