

## Appendix A - Traffic lights and pedestrian crossings

### ITS Unit Traffic Signal Refurbishment Programme 2023/2024

Site	Type	Estimated Cost	Notes
Garthdee Road (outside ASDA)	Dual Puffin	£ exempt	Refurbishment
Victoria Street (Dyce) near Union Row	Single Puffin	£ exempt	Refurbishment
Great Southern Road near Murray Terrace	Dual Puffin	£ exempt	Refurbishment
Lang Stracht / Fernhill Road	Junction	£ exempt	Refurbishment
St. Machar Drive near Great Northern Road	Dual Puffin	£ exempt	Refurbishment
	<b>Total</b>	<b>£274,000</b>	

### ITS Unit Traffic Signal Refurbishment Programme 2022/2023 – Reserve List

Site	Type	Estimated Cost	Notes
Various	Corroded Haldos/Poles	£NA	Refurbishment
Hutcheon Street/Lidl	Junction	£ exempt	Refurbishment
Pitfodels Station Road	Junction	£ exempt	Refurbishment
A92 (Parkway) at Whitestripes Avenue	Puffin	£ exempt	Refurbishment
A92 (North Anderson Drive) at Provost Fraser Drive North	Dual Puffin	£ exempt	Refurbishment
Ellon Road/Balgownie Road	Junction	£ exempt	Refurbishment
King Street at St Machar Drive	Puffin	£ exempt	Refurbishment
Wellheads Drive near Dyce Drive	Puffin	£ exempt	Refurbishment

## Appendix B – Proposed Lighting Capital Programme 2023/24

Scheme	Estimated Cost	Quantity/Comments
<b>Corroded Column Replacement</b>		
City Centre Corroded Cols – Phase 2	£ exempt	34
Hilton Corroded Cols	£ exempt	15
Seaton/ Old Aberdeen Corroded Cols	£ exempt	14
Woodside Corroded Cols	£ exempt	20
Replacement of corroded bollards with Weebols	£ exempt	30
Wall box/ feeder Pillar replacements	£ exempt	30
<b>Electrical Testing</b>	<b>£ exempt</b>	6000 units
<b>Structural Testing</b>	<b>£ exempt</b>	4000 units
<b>Column/Cable replacement - 8/10 m Height</b>		
King Street/ St Machar R/A	£ exempt	32
Faulds Gate & Ra Network Renewal	£ exempt	Trackwork & services
Ashgrove Rd West Network & Conc cols	£ exempt	18 units & Trackwork
Springhill road Network renewal	£ exempt	Trackwork & services
Concrete column replacement for LED programme	£ exempt	
Cairncry Rd/ Rosehill Dr	£ exempt	Trackwork and services
Stockethill Area - New supply points	£ exempt	3 pillars and services
<b>Column/Cable replacement - 5/6 m Height</b>		
Concrete column replacement for LED programme	£ exempt	11
<b>Painting</b>	£ exempt	Bridge of Don
<b>Marischal Street / Theatre Lane / Wall pack renewal</b>	£ exempt	4 wall packs, 8 wall lights + trackwork
<b>Additional lighting requirements due to LED programme</b>		

Auchlea Road	£ exempt	4 + trackwork
Station Road West, Peterculter	£ exempt	2 + trackwork
North Donside Road	£ exempt	6 lanterns
Sheddocksley Drive	£ exempt	18 columns
Tay Road	£ exempt	5
Hilton Place/ Hilton Terrace/ Hilton Avenue - concrete column replacements	£ exempt	17
Isla Place/ Teviot Road	£ exempt	4
<b>Total Capital and Column Replacement</b>	<b>£1,000,000</b>	

## Appendix C – Proposed Lighting Reserve Capital Programme 2023/24

Scheme	Estimated Cost	Quantity/Comments
<b>Corroded Column Replacement</b>		
Stockethill Corroded Cols	£ exempt	26
Kittybrewster Corroded Cols	£ exempt	13
Mastrick/ Sheddocksley Corroded Cols	£ exempt	31
Northfield/ Heathryfold Corroded Cols	£ exempt	20
Bridge Of Don Corroded Columns	£ exempt	28
Dyce Corroded Column	£ exempt	24
Bucksburn Corroded Columns	£ exempt	23
Kingswells Corroded Columns	£ exempt	19
Peterculter corroded Columns	£ exempt	26
<b>Electrical Testing</b>	£ exempt	6000 units
<b>Electrical testing remedials</b>	£ exempt	
<b>Structural Testing</b>	£ exempt	4000 units
<b>Structural testing immediate cut downs</b>	£ exempt	
<b>Column/Cable replacement - 8/10 m Height</b>		
Ashgrove Road West Network & Concrete columns	£ exempt	20
Hareness Road/ Circle - network upgrades	£ exempt	Power Supplies and cabling
A947 - Polo Gardens - Stoneywood Park	£ exempt	3
Crawpeel Road - Supply Pillar	£ exempt	Power Supplies and cabling
<b>Column/Cable replacement – 5/6 m Height</b>		
Osborne Place	£ exempt	13
Mearns Street	£ exempt	13
Woodcroft Area - Network Renewals	£ exempt	6
<b>Total</b>	<b>£952,000</b>	

## Appendix D – Cycling Walking Safer Routes (CWSR)

Proposals	Description of work	Overall Budget
CWSR01 - Walking and Wheeling	Interventions to improve walking and wheeling provision on the network. Schemes to include path improvement at Cloghill, Kingswells; dropped kerbs at Denmore Rd and Sluie Dr; pedestrian crossing upgrades ;and Back Wynd Steps restoration.	£ exempt
CWSR02 - Safety at Schools	Measures to support and encourage walking and cycling to school including missing path network, parking measures, speed reductions and educational events	£ exempt
CWSR03 - Cycling	Introduction of measures to support cycling including upgrades from pelican to toucan crossings; storage; and priority access for pedestrians and cyclists to Torry Battery.	£ exempt

CWSR04- Promotion and Events	Measures to support and promote active travel within the area.	£ exempt
<b>Total (CWSR)</b>		<b>£1,453,000</b>

## Appendix E – Footway Resurfacing

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
Forest Avenue	East side Cromwell Roundabout to Great Western Road	850	£ exempt
Ash-Hill Drive	Between Cornhill Terrace and Ash-hill Road	500	£ exempt
Cornhill Square	Both side footway	280	£ exempt
Brierfield Terrace	Full Footway resurface	356	£ exempt
Brierfield Road	Full Footway resurface	460	£ exempt
Oldcroft Place	South-side full footway resurface from roundabout to Stockethill Crescent + North side sections which have not been recently resurfaced	920	£ exempt
Foresterhill Road	West side footway from pedestrian crossing on North Anderson Drive to North Anderson Drive inset road	280	£ exempt
Beechwood Road	Both side footway resurface, with exception of approximately 120 linear metres.	290	£ exempt
Cairncry Road	Full footway resurface	690	£ exempt
Cruden Crescent	Full footway resurface South side from Cruden Park to Byron Terrace	550	£ exempt
School Crescent	Both side full footway resurface	1030	£ exempt
Craigiebuckler Avenue	South-side footway resurface from Craigiebuckler Place to no.9	460	£ exempt
George Street	Maberly St to Hutcheon St resurface in slabs	380	£ exempt
Kirkhill Road	Replace slabbed footway with bituminous surface	1300	£ exempt
Oscar Road	Full footway resurface in bitmac, West side from Grampian Place to Polwarth Road	470	£ exempt
Sheddocksley Road	From Kingsford Road junction East-side footway resurface to, and including Maidencraig Place.	690	£ exempt
Holburn Street	Full Footway slabbed resurfaced between Riverside Drive and Riverside Terrace (check Gaist scheme list)	400	£ exempt
Crown Street	Full footway resurface in concrete slabs between Millburn St and Rosebank Terrace	320	£ exempt
Loch Street	Full footway resurface in concrete slabs outside RGU campus from Spring Gardens to John St	420	£ exempt
Jesmond Avenue	Full footway resurface between Forvie Path and Slains Avenue	280	£ exempt
Anderson Avenue	Full footway resurface in slabs from Hilton Drive to Clifton Road	1040	£ exempt
<b>Total</b>			<b>£1,000,000</b>

## Appendix F – Footway Resurfacing - Reserve List

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
St Ronan's Drive	Both footways from St Ronan's Place North West. Resurface in bitmac	595	£ exempt
Forbesfield Road	West side footway. Resurface footway in precast concrete slabs	880	£ exempt
Queens Road	Footway between Viewfield Road and Rubislaw Park Road. Resurface in bitmac	300	£ exempt
Forest Road	Westside Footway re-slab between Morningside Road and Queens Road roundabout. Resurface in precast concrete slabs	1150	£ exempt
Jesmond Square	Both footways. Full footway resurface in bitmac	440	£ exempt
Brebner Crescent	Full footway North side. Resurface in bitmac	800	£ exempt
Springfield Road	Both footways between Craigieburn Park and Countesswell's Road West-side. Resurface footway in bitmac	800	£ exempt
Summerhill Crescent	Full footway resurface both sides	1,400	£ exempt
Benbecula Road	Both footways. Full resurface both sides in bitmac	450	£ exempt
Whitemyres Avenue	South side footway. Full resurface in bitmac	550	£ exempt
Burns Road	Selected areas of lifting/depressed slabs. Resurface in precast concrete slabs	500	£ exempt
Abbey Square	Both footways. Full resurface both sides in bitmac	1275	£ exempt
Ladywell Place	Full footway re-slab both sides. Resurface in precast concrete slabs	545	£ exempt
Auldearn Lane	Both footways. Full resurface in bitmac	430	£ exempt
Ferryhill Place	Full footway North side only. Full footway resurface in precast concrete slabs	335	£ exempt
Thomson Street	Full footway East side only. Full resurface in precast concrete slabs	440	£ exempt
Fowler Avenue	Full footway South side only from Cummings Park Road to Newton Road. Full resurface in precast concrete slabs	650	£ exempt
Howes Crescent	Full footway both sides. Resurface in bitmac	820	£ exempt
<b>Total</b>			<b>£1,069,000</b>

## Appendix G – Carriageway Resurfacing

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
Stoneywood Road	Roundabout with Wellheads Avenue NNW until joint approx. midway to next roundabout	1500	£ exempt
Cornhill Road	Ashgrove Road West to Westburn Drive	6000	£ exempt
Bedford Road	From Powis Terrace - first 250 linear m	2100	£ exempt
Stoneywood Road	Between Cedar Avenue and Polo Gardens	1500	£ exempt
Ellon Road	Northbound between Broadfold Road and The Parkway	1600	£ exempt

Crown Street	Between Millburn Street and Springbank Terrace	1900	£ exempt
Queen's Road	Eastbound only between Springfield Road and Hazledene Road	400	£ exempt
Fonthill Road	Around junction with Albury Road	250	£ exempt
Charleston Road	Between Charleston School and Cove Road	1300	£ exempt
Midstocket Road	Between Raden Park Road and Richmondhill Road	700	£ exempt
Westburn Drive	By Westburn Road junction	900	£ exempt
Hutcheon Street	Ann St. to George St. inc. George St junction	2700	£ exempt
Westburn Road	At junction with Foresterhill Road	1600	£ exempt
King's Gate	Around junction with Springfield Road	1000	£ exempt
West North Street	Northbound only - roundabout to Morrisons junction	1700	£ exempt
Springfield Avenue		2600	£ exempt
Bedford Place		2600	£ exempt
Hareness Circle	East leg from Hareness Road	1300	£ exempt
North Deeside Road (Cults)	Section between Pitfodels Station Road West and Bairds Brae	800	£ exempt
Foresterhill Road	Ashgrove Road West to roundabout	2200	£ exempt
Mastrick Drive	Croft Road to Amage Drive	730	£ exempt
Wellington Road	Section	730	£ exempt
South Esplanade East	Section	1300	£ exempt
Charleston Road	Subject to completion of building scheme	2850	£ exempt
Burnside Gardens		1300	£ exempt
Broomhil Road	Abergeldie Road to Broomhill School crossing (west of Gray St.)	2100	£ exempt
Queen's Road	Junction with Hill of Rubislaw	600	£ exempt
St Mary's Place		500	£ exempt
Gordon Road	Surface treatment	1700	£ exempt
Great Southern Road	Between King George VI roundabout and Allenvale Road	1550	£ exempt
Jesmond Drive	Between Woodcroft Road and Ashwood Drive Plus to No.9 Ashwood Drive	1050	£ exempt
Queen's Road	At Provost Graham Avenue	1300	£ exempt
Midstocket Road	Between Camperdown and Richmondhill Gardens Junctions	1600	£ exempt
Holburn Street	Roundabout with Great Southern Road to Holburn Road roundabout	2000	£ exempt
Granville Lane West		1200	£ exempt
Ashgrove Road West	Inset Road	3000	£ exempt
Richmondhill Road	North junction	550	£ exempt
Swannay Road		1050	£ exempt
Springfield Road	North section	2000	£ exempt
Grandholm Street/Western Road	From Clifton Road/Western Road junct to Gt Northern Road	1700	£ exempt
Victoria Street	Between Pitmedden Road and McIntosh Crescent	3400	£ exempt
Angusfield Avenue	Patching and surface treatment	5300	£ exempt
Dyce Drive	Between Howe Moss Drive and Howe Moss Avenue	2900	£ exempt

Cruden Crescent	Surface treatment	2400	£ exempt
Menzies Road	Section	1400	£ exempt
Cornhill Terrace		1700	£ exempt
Beechwood Road/Beechwood Ave. junction	Junction c. 150m2	150	£ exempt
Springfield Road/North Deeside Road	Junction	600	£ exempt
Wellington Road/Abbotswell Road junction	Junction	600	£ exempt
Stronsay Drive/Sanday Road	Junction	360	£ exempt
Stronsay Drive/Stronsay Avenue	Junction	140	£ exempt
Seafield Road/A92	Roundabout exit	50	£ exempt
Kennfield Crescent	Reconstruct and patch to remove dips	80	£ exempt
Inchbrae Drive		3400	£ exempt
Chapel Of Stoneywood - Fairley Road	Various repairs	350	£ exempt
Derbeth Grange	West junction with Kingswells Crescent excluding cul-de-sacs to just north of Derbeth Walk excluding cul-de-sacs	950	£ exempt
Hilton Place	Hilton Street to Hilton Avenue	2800	£ exempt
Hilton Avenue	Clifton Road to Hilton Drive	3600	£ exempt
Gardner Drive	Near Gardner Crescent to Faulds Gate	4100	£ exempt
Grey Street Lane		2000	£ exempt
Kildrummy Road		2500	£ exempt
Howe Moss Crescent	Howe Moss Drive to junction before Haliburton House	3900	£ exempt
Union Glen	Justice Mill Brae to Hardgate	1200	£ exempt
Hilton Terrace	Hilton Street to Hilton Avenue	1900	£ exempt
Coningham Terrace	From no. 19 to road end	700	£ exempt
Various	Permanent patching		£ exempt

## Appendix H – Carriageway Resurfacing – Reserve List

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
Springfield Road	Countesswells Road to Craigton Road	2500	£ exempt
Cove Road	West of Earnsheugh Road Junction	550	£ exempt
Ellon Road	Various locations	940	£ exempt
Holburn Street	Various locations	2200	£ exempt
North Deeside Road (Cults)	Junction Westerton Road	500	£ exempt
King Street	Various locations	1500	£ exempt
Byron Avenue	Deansloch Terrace Junction	650	£ exempt
Ellon Road	East CW - Link Road to Aberdeen College	1270	£ exempt
Wellington Road	Various locations	600	£ exempt

Esplanade	North section	8000	£ exempt
Great Northern Road	East of Haudagain	1950	£ exempt
Park Road	Junction Roslin Place	750	£ exempt
Ellon Road	CW at Mundurno Cottage	3300	£ exempt
Langdykes Road	Near Junction / Strathburn Street	500	£ exempt
King's Gate	Woodstock Road Junction – 150m East	1300	£ exempt
Provost Rust Drive	West of Manor Avenue	750	£ exempt
Crawpeel Road	Whole CW	5000	£ exempt
Hammersmith Lane	Whole CW	2000	£ exempt
Seafield Gardens	Whole CW	2000	£ exempt
Kingswalk	Whole CW	700	£ exempt
Kepplehills Road	Netherhills Avenue to Kingsway Junction	1500	£ exempt
Fowler Avenue	Between Wilkie Avenue to Smithfield Court	1200	£ exempt
Kirkhill Place	Whole CW	1500	£ exempt
St Fittick'S Road	North Balnagask Road to Graveyard Entrance	3300	£ exempt
Hareness Road	60m East of Hareness Roundabout	600	£ exempt
Scotstown Roundabout	Whole Roundabout	500	£ exempt
Hilton Street	Junction Hilton Place	500	£ exempt
St Fittick's Road	Greyhope Road to Wood Street	600	£ exempt
Coast Road	South of Water Treatment Plant	900	£ exempt
Greenfern Road	Greenfern Avenue to Ness Place	750	£ exempt
Stoneywood Road	Whole Slip Road to Greenburn Drive	4600	£ exempt
Groats Road	Whole CW	3900	£ exempt
Springfield Road	Braeside Ave – Craigton Road minus inset Rd	3700	£ exempt
Baxter Street	Whole CW	2250	£ exempt
Davidson Gardens	Whole CW	1550	£ exempt
Countesswells Road	Countesswells Avenue to Airyhall Avenue	1600	£ exempt
Dunbar Street	Whole CW	1600	£ exempt
Greenbank Crescent	Eastbound	3000	£ exempt
Riverside Drive	Various locations	2000	£ exempt

## Appendix I – Drainage

Location and description of works	Estimated cost
Major drainage works	£ exempt
Replacement of gullies	£ exempt
Investigation and design works	£ exempt
<b>Total</b>	<b>£200,000</b>

## Appendix J – Weak and major bridge repairs

Location and description of works	Estimated cost
King George VI Bridge – Major bridge repairs	£ exempt
Design works for major bridges - Queen Elizabeth, Cults Square, Maryculter Bridge, Parkhill	£ exempt
City wide, miscellaneous – Bridge repairs	£ exempt
Bridge Special inspections and SV assessments	£ exempt
<b>Total</b>	<b>£330,000</b>

## Appendix K – Signage

Location and description of works	Estimated cost
Road sign replacement – various locations	£ exempt
<b>Total</b>	<b>£30,000</b>

## Appendix L – Flooding and coastal protection schemes

Scheme	Estimated Cost
SGA/SWMP/FRMPs	£ exempt
Peterculter - Study & detailed design	£ exempt
Inchgarth Hake installation	£ exempt
Bridge of Don Hake Replacement	£ exempt
CCTV at watercourse gauging sites	£ exempt
Software purchase (Microdrainage update)	£ exempt
River Don flood plain – study	£ exempt
Jesmond – study	£ exempt
Riverside Drive design & works	£ exempt
Langstracht Drainage	£ exempt
Merchant Quarter Works Design	£ exempt
Sea Wall – survey / study & major/minor repairs (steps, railings, ramps, groynes & blocks)	£ exempt
Kingswells Old Skene Road	£ exempt
Reinstatement coastal defences Greyhope Road	£ exempt
Surface water improvements (at known flooding locations)	£ exempt
Allenvale Gardens temporary diversion	£ exempt
Coastal Change Adaption Plan	£ exempt*
<b>Total</b>	<b>£1,100,000</b>

\*Scottish Government Grant (excluded from total)

## Appendix M – A92/A96 De-trunked programme

### Carriageway

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
Auchmill Road	Oldmeldrum Road to Haudagain bypass	16,000	£ exempt
North Anderson Drive	Section near Provost Fraser roundabout	1800	£ exempt
Bridge of Dee Roundabout	Roundabout	1600	£ exempt
	<b>Total</b>		<b>£970,000</b>

## Appendix N – A92/A96 De-trunked programme – Reserve list

Scheme	Location and description of works	Area (m <sup>2</sup> approx.)	Estimated Cost
A92	Further various large full carriageway patches	10,000	Up to £500,000
A96	Further various large full carriageway patches	5000	Up to £250,000



## Appendix P – NESTRANS related works (information only)

Scheme	Value
King George VI bridge surfacing	£ exempt
<b>Total</b>	<b>£ exempt</b>

## Appendix Q – Revenue works (information only)

### General Roads Maintenance

- Carriageway Patching
- Footway Patching
- Drainage
- Road marking & Studs
- Gully Emptying
- Pedestrian Barriers
- Traffic Signs & Bollards
- Safety Fences
- Technical Surveys
- Street Naming
- Inspections
- Footway Bollards
- Dropped kerbs

### Traffic Works

- Traffic Management Reviews
- Disabled Parking
- ITS Annual Communication Costs
- ITS Annual Contract Costs
- Traffic Signal Maintenance
- Software Licences

### Maintenance Programmes

- Sponsored Roundabout Costs
- Surface dressing
- Bridge works
- Winter Maintenance & Emergencies
- Street Lighting Maintenance
- Street Lighting Electricity
- Flood Risk Management
- Flood Prevention
- Coast protection

### Income

- Recoverable works programme
- Street Occupations Income
- **Net Budget for Activities** **£7,234,398**