

Scottish Trunk Road Network Management Contract
Schedule 2 - Scope - Appendix 4 Structures Attachments

North East Unit

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Attachment 4.1 Structures Bearing Shelf Maintenance Frequency

Table 4.1.1 Structures Bearing Shelf Maintenance Frequency

Route	Structure	Structure Name	Inspection/ Cleaning Frequency
A9	A9 50F	OLD DOUNE RD F/B	Bank seats to be checked/ cleaned at least annually.
A9	A9 50F	OLD DOUNE RD F/B	6 yearly during PI
A9	A9 60	OLD DOUNE RD OB	Bank seats to be checked/ cleaned at least annually.
A9	A9 60	OLD DOUNE RD OB	6 yearly during PI
A9	A9 80	AUCHINLAY RAIL	Okay, thin rubber bearing strip - 6 years during PI
A9	A9 90	ALLAN WATER	6 yearly during PI
A9	A9 90	ALLAN WATER	6 yearly during PI
A9	A9 100	KINBUCK ROAD O/B	Bank seats to be checked/ cleaned at least annually.
A9	A9 100	KINBUCK ROAD O/B	6 yearly during PI
A9	A9 110	GREENLOANING O/B	6 yearly during PI
A9	A9 110	GREENLOANING O/B	6 yearly during PI
A9	A9 180	BLACKFORD RAIL	thin rubber bearing strip - 6 years during PI
A9	A9 200	LOANING HEAD O/B	thin rubber bearing strip - 6 years during PI
A9	A9 200	LOANING HEAD O/B	thin rubber bearing strip - 6 years during PI
A9	A9 230	ABBEY ROAD O/B	6 yearly during PI
A9	A9 230	ABBEY ROAD O/B	6 yearly during PI
A9	A9 261	CAIRNIE BR	Bank seats to be checked/ cleaned at least annually.
A9	A9 261	CAIRNIE BR	6 yearly during PI
A9	A9 320	CRIEFF ROAD O/B	6 yearly during PI

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A9	A9 320	CRIEFF ROAD O/B	6 yearly during PI
A90	A90 200	GLENCARSE O/B	6 yearly during PI
A90	A90 200	GLENCARSE O/B	6 yearly during PI
A90	A90 260	Greystanes	inaccessible strip bearing
A90	A90 290	COUPAR ANGUS W O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 290	COUPAR ANGUS W O/B	6 yearly during PI
A90	A90 300	COUPAR ANGUS E O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 300	COUPAR ANGUS E O/B	6 yearly during PI
A90	A90 310	KINGS CROSS W O/B	inaccessible strip bearing
A90	A90 310	KINGS CROSS W O/B	6 yearly during PI
A90	A90 320	KINGS CROSS E O/B	inaccessible strip bearing
A90	A90 320	KINGS CROSS E O/B	6 yearly during PI
A90	A90 330 F	STRATHMARTINE RD F/B	6 yearly during PI
A90	A90 340 F	OLD GLAMIS ROAD F/B	6 yearly during PI
A90	360 F	FINTRY FOOTBRIDGE	Don't see why this can't be checked/ cleaned at least annually
A90	360 F	FINTRY FOOTBRIDGE	6 yearly during PI
A90	380	EMMOCK O/B	Bank seats to be checked/ cleaned at least annually.
A90	380	EMMOCK O/B	6 yearly during PI
A90	A90 460	SOUTH LECKAWAY O/B	Bank seats to be checked/ cleaned at least annually.

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A90	A90 460	SOUTH LECKAWAY O/B	6 yearly during PI
A90	A90 480	QUILKOE O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 480	QUILKOE O/B	6 yearly during PI
A90	A90 490	LEMNO NORTHBOUND	inaccessibile strip bearing
A90	A90 500	LEMNO SOUTHBOUND	inaccessibile strip bearing
A90	A90 510	FINAVON	inaccessibile strip bearing
A90	A90 510	FINAVON	inaccessibile strip bearing
A90	A90 520	RIVER SOUTH ESK	Bank seats to be checked/ cleaned at least annually.
A90	A90 520	RIVER SOUTH ESK	Bank seats to be checked/ cleaned at least annually.
A90	A90 540	NETHER CARESTON	inaccessibile strip bearing
A90	A90 555	ST ANN'S O/B	6 yearly during PI
A90	A90 590	TRINITY O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 630	STRACATHRO O/B	6 yearly during PI
A90	A90 630	STRACATHRO O/B	6 yearly during PI
A90	A90 640	UPPER NORTH WATER SB	Bank seats to be checked/ cleaned at least annually.
A90	A90 640	UPPER NORTH WATER SB	6 yearly during PI
A90	A90 641	UPPER NORTH WATER NB	Bank seats to be checked/ cleaned at least annually.
A90	A90 641	UPPER NORTH WATER NB	6 yearly during PI
A90	A90 660	LUTHER SB	Bank seats to be checked/ cleaned at least annually.

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A90	A90 660	LUTHER SB	6 yearly during PI
A90	A90 661	LUTHER NB	Don't see why this can't be checked/ cleaned at least annually
A90	A90 661	LUTHER NB	6 yearly during PI
A90	A90 670	OATYHILL RAIL	inaccessible strip bearing
A90	A90 730	GLASLAW INT	Bank seats to be checked/ cleaned at least annually.
A90	A90 730	GLASLAW INT	6 yearly during PI
A90	A90 750	BROOMHILL ROAD O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 750	BROOMHILL ROAD O/B	6 yearly during PI
A90	A90 760	SLUG ROAD O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 760	SLUG ROAD O/B	6 yearly during PI
A90	A90 770	COWIE	Bank seats to be checked/ cleaned at least annually.
A90	A90 770	COWIE	6 yearly during PI
A90	A90 780	NETHERLEY ROAD	Note to be demolished
A90	A90 800	NEWTONHILL O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 800	NEWTONHILL O/B	6 yearly during PI
A90	A90 840	PORTLETHEN O/B	Bank seats to be checked/ cleaned at least annually.
A90	A90 840	PORTLETHEN O/B	6 yearly during PI
A90	A90 850	CHARLESTOWN O/B	Note to be demolished
A90	A90 900	MUGIEMOSSS ROAD RAIL	6 yearly during PI
A90	A90 980	YTHAN	Bank seats to be checked/ cleaned at least annually.

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A90	A90 980	YTHAN	6 yearly during PI
A92	A92 10	CROSSGATES STN O/B	6 yearly during PI
	A92 10	CROSSGATES STN O/B	6 yearly during PI
A92	A92 20	COWDENBEATH I/C O/B	Bank seats to be checked/ cleaned at least annually.
A92	A92 20	COWDENBEATH I/C O/B	6 yearly during PI
A92	A92 30	NEWTON WESTERTON O/B	6 yearly during PI
A92	A92 30	NEWTON WESTERTON O/B	6 yearly during PI
A92	A92 40	LOCHGELLY I/C O/B	Bank seats to be checked/ cleaned at least annually.
A92	A92 40	LOCHGELLY I/C O/B	6 yearly during PI
A92	A92 60	DUNDONALD O/B	Bank seats to be checked/ cleaned at least annually.
A92	A92 60	DUNDONALD O/B	6 yearly during PI
A92	A92 70	CARDENDEN VIADUCT	Bank seats to be checked/ cleaned at least annually.
A92	A92 70	CARDENDEN VIADUCT	6 yearly during PI
A92	A92 80	CARDENBARNES O/B	Bank seats to be checked/ cleaned at least annually.
A92	A92 80	CARDENBARNES O/B	6 yearly during PI
A92	A92 90	CHAPEL I/C WEST O/B	Bank seats to be checked/ cleaned at least annually.
A92	A92 90	CHAPEL I/C WEST O/B	6 yearly during PI
A92	A92 100	CHAPEL I/C EAST O/B	Bank seats to be checked/ cleaned at least annually.

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A92	A92 100	CHAPEL I/C EAST O/B	6 yearly during PI
A92	A92 110 F	JOHNNY MARSHALLS F/B	6 yearly during PI
A92	A92 115 F	CARBERRY F/B	6 yearly during PI
A92	A92 130	RIVER ORE (Rail)	6 yearly during PI
A92	A92 140	STATION ROAD	inaccessible strip bearing
A92	A92 170	LOCHTYSIDE O/B	6 yearly during PI
A92	A92 170	LOCHTYSIDE O/B	6 yearly during PI
A92	A92 310	ST FORT RAILWAY	inaccessible strip bearing
A92	A92 310	ST FORT RAILWAY	inaccessible strip bearing
A95	A95 20	DULNAIN NEW	6 yearly during PI
A95	A95 20	DULNAIN NEW	6 yearly during PI
A95	A95 130	BRIDGE OF AVON	6 yearly during PI
A95	A95 130	BRIDGE OF AVON	6 yearly during PI
A95	A95 150 F	ABERLOUR F/B	Bank seats to be checked/ cleaned at least annually.
A96	A96 80	KINELLAR ROAD O/B	6 yearly during PI
A96	A96 80	KINELLAR ROAD O/B	6 yearly during PI
A96	A96 100	KEMNAY ROAD O/B	6 yearly during PI
A96	A96 100	KEMNAY ROAD O/B	6 yearly during PI
A96	A96 110	DUNECHT ROAD O/B	inaccessible bearing
A96	A96 130	FOREST ROAD OB	inaccessible bearing
A96	A96 150	DON INVERURIE NEW	Bank seats to be checked/ cleaned at least annually.
A96	A96 150	DON INVERURIE NEW	6 yearly during PI
A96	A96 160	UPPERBOAT O/B	Bank seats to be checked/ cleaned at least annually.

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A96	A96 160	UPPERBOAT O/B	6 yearly during PI
A96	A96 300	BOGIE	6 yearly during PI
A96	A96 320	DEVERON	6 yearly during PI
A96	A96 410	FOCHABERS NEW	6 yearly during PI
A96	A96 410	FOCHABERS NEW	6 yearly during PI
A96	A96 460 F	ALEXANDRA WAY F/B	Bank seats to be checked/ cleaned at least annually.
A96	A96 460 F	ALEXANDRA WAY F/B	Bank seats to be checked/ cleaned at least annually.
A96	A96 480	ALVES NEW RAIL	6 yearly during PI
A96	A96 490	FORRES NEW (MOSSET)	6 yearly during PI
A96	A96 500	FINDHORN	6 yearly during PI
A96	A96 520	BRODIE	inaccessible strip bearing
A96	A96 520	BRODIE	inaccessible strip bearing
A96	A96 550	GOLLANFIELD RAIL	inaccessible strip bearing
A96	A96 580	STONEFIELD 1 RLY	inaccessible strip bearing
A96	A96 590	STONEFIELD 2 RAIL	Bank seats to be checked/ cleaned at least annually.
A96	A96 590	STONEFIELD 2 RAIL	6 yearly during PI
A972	A972 10F	PITKERRO ROAD F/B	6 yearly during PI
M90	M90 3-4 10	HALBEATH RAIL	inaccessible strip bearing
M90	M90 3-4 15	NETHERBEATH O/B	inaccessible strip bearing
M90	M90 3-4 15	NETHERBEATH O/B	6 yearly during PI
M90	M90 3-4 30	KEIRSBETH O/B	inaccessible strip bearing
M90	M90 3-4 30	KEIRSBETH O/B	6 yearly during PI
M90	M90 3-4 50	CUDDYHOUSE O/B	inaccessible strip bearing

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M90	M90 3-4 50	CUDDYHOUSE O/B	6 yearly during PI
M90	M90 3-4 65	LASSODIE O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 3-4 65	LASSODIE O/B	6 yearly during PI
M90	M90 4-4 10	COCKLAW O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 4-4 10	COCKLAW O/B	6 yearly during PI
M90	M90 4-5 75	LOCHRAN	6 yearly during PI
M90	M90 5-5 10	GAIRNEY O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 5-5 10	GAIRNEY O/B	6 yearly during PI
M90	M90 5-6 F8	FRUIX F/B	6 yearly during PI
M90	M90 5-6 F8	FRUIX F/B	6 yearly during PI
M90	M90 5-6 25	HATCHBANK O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 5-6 25	HATCHBANK O/B	6 yearly during PI
M90	M90 5-6 65	CLEISH	6 yearly during PI
M90	M90 6-6 10	KINROSS SOUTH O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 6-6 10	KINROSS SOUTH O/B	6 yearly during PI
M90	M90 6-6 20	KINROSS NORTH O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 6-6 20	KINROSS NORTH O/B	6 yearly during PI
M90	M90 6-7 50	GALLOWHILL O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 6-7 50	GALLOWHILL O/B	6 yearly during PI
M90	M90 7-7 10	HILTON O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 7-7 10	HILTON O/B	6 yearly during PI

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M90	M90 7-8 35	NORTH STREET O/B	6 yearly during PI
M90	M90 7-8 35	NORTH STREET O/B	6 yearly during PI
M90	M90 7-8 55	HATTON BURN O/B	Don't see why this can't be checked/ cleaned at least annually
M90	M90 7-8 55	HATTON BURN O/B	6 yearly during PI
M90	M90S 8-8 10	ARLARY O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90S 8-8 10	ARLARY O/B	6 yearly during PI
M90	M90 8-8 20	CUTHILMUIR	inaccessibile strip bearing
M90	M90 8-9 5	BLAIRHEAD ROAD O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 5	BLAIRHEAD ROAD O/B	6 yearly during PI
M90	M90 8-9 20	DRUNZIE O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 20	DRUNZIE O/B	6 yearly during PI
M90	M90 8-9 F35	GLENFARG VILLAGE F/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 F35	GLENFARG VILLAGE F/B	6 yearly during PI
M90	M90 8-9 40	PARIS O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 40	PARIS O/B	6 yearly during PI
M90	M90 8-9 50	GLENHEAD	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 50	GLENHEAD	6 yearly during PI
M90	M90 8-9 60	FIELDIE O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 60	FIELDIE O/B	6 yearly during PI
M90	M90 8-9 70	WICKS OF BAIGLIE O/B	6 yearly during PI

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M90	M90 8-9 70	WICKS OF BAIGLIE O/B	6 yearly during PI
M90	M90 8-9 75	BALMANNO EAST O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 75	BALMANNO EAST O/B	6 yearly during PI
M90	M90 8-9 80	BALMANNO WEST O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 80	BALMANNO WEST O/B	6 yearly during PI
M90	M90 8-9 85	DRON O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 8-9 85	DRON O/B	6 yearly during PI
M90	M90 9-9 10	MUIRMONT	Bank seats to be checked/ cleaned at least annually.
M90	M90 9-9 10	MUIRMONT	6 yearly during PI
M90	M90 9-10 8	Bridge of Earn Rail	inaccessibile strip bearing
M90	M90 9-10 10	Clayton	inaccessibile strip bearing
M90	M90 9-10 25	EARN	Don't see why this can't be checked/ cleaned at least annually
M90	M90 9-10 25	EARN	6 yearly during PI
M90	M90 9-10 35	RHYND ROAD	inaccessibile strip bearing
M90	M90 9-10 55	MONCRIEFFE HOUSE O/B	6 yearly during PI
M90	M90 9-10 55	MONCRIEFFE HOUSE O/B	6 yearly during PI
M90	M90S 10-10 10	M90 NB - M90S WB SR	Bank seats to be checked/ cleaned at least annually.
M90	M90S 10-10 10	M90 NB - M90S WB SR	6 yearly during PI
M90	M90S 10-10 20	M90 NB - A912 NB SR	Bank seats to be checked/ cleaned at least annually.

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M90	M90S 10-10 20	M90 NB - A912 NB SR	6 yearly during PI
M90	M90S 10-10 30	M90S EB - M90 SB SR	Bank seats to be checked/ cleaned at least annually.
M90	M90S 10-10 30	M90S EB - M90 SB SR	6 yearly during PI
M90	M90S 10-10 40	A912 SB - M90 SB SR	Bank seats to be checked/ cleaned at least annually.
M90	M90S 10-10 40	A912 SB - M90 SB SR	6 yearly during PI
M90	M90S 10-10 50	M90 SB - M90S WB SR	Bank seats to be checked/ cleaned at least annually.
M90	M90S 10-10 50	M90 SB - M90S WB SR	6 yearly during PI
M90	M90S 10-10 60	A912 OVER M90S NB SR	6 yearly during PI
M90	M90 10-10 65	CALLERFOUNTAIN O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90 10-10 65	CALLERFOUNTAIN O/B	6 yearly during PI
M90	M90S 10-10 75	NECESSITY BRAE	6 yearly during PI
M90	M90S 10-10 75	NECESSITY BRAE	6 yearly during PI
M90	M90S 10-10 80	BROXDEN O/B	Bank seats to be checked/ cleaned at least annually.
M90	M90S 10-10 80	BROXDEN O/B	6 yearly during PI
M90	M90 10-11 20	RHYND ROAD O/B	6 yearly during PI
M90	M90 10-11 20	RHYND ROAD O/B	6 yearly during PI
M90	M90 11-11 10	FRIARTON NORTH END	6 yearly during PI

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Attachment 4.2 Structures Maintenance Schedule Pro Forma Example

Table 4.2.1 Structures Maintenance Schedule Revision Status

	Name	Organisation	Signature	Date
Prepared By				
Checked By				
Authorised By				

Revision	Date	Revision Details	Checked	Authorised

Controlled Document Holder	
Ref	Name of Holder
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Table 4.2.2 Structures Maintenance Activity Code, Specification & Activities

Activity Code	Specification	Maintenance Activities
RCM 1	6110AR 6112AR 6117AR	<u>Substructure and Superstructure</u> - Vegetation/debris/bird and bat dropping removal and disposal, checking/tightening/replacing of bolts to parapets (to include making good local damage to protective systems).
RCM 2	6110AR 6111AR	<u>Expansion Joints</u> - Cleaning out Debris/vegetation/sediment from joints and drainage associated with joint, checking/tightening of bolts securing the joint, checking neoprene or elastomeric material for splitting or detachment, checking cover plates and nosing
RCM 3	6110AR 6112AR	<u>Drainage Systems</u> - Removal of obstructions/vegetation which could reduce capacity of the system, cleaning drainage holes, channels, pipes, drainage outlet manholes, weep pipes. Checking operation of flap valves and greasing if required.
RCM 4	6110AR 6113AR	<u>Parapets and Pedestrian Protection</u> -Checking / tightening / replacing of bolts. Cleaning hollow section drain holes. Removal of debris/vegetation/bird droppings. Checking freedom of parapet expansion joint.
RCM 5	6110AR 6114AR	<u>Bearings and Bearing Shelves</u> - Removal of debris/vegetation/bird and bat droppings. Checking freedom of movement of bearings. Cleaning where appropriate greasing of accessible mating surfaces.
RCM 6	6110AR 6111AR 6112AR 6113AR 6114AR	<u>Structures Over or Conveying Watercourses</u> - As above and including - Removal of debris encrustations/greasing/lubrication of all fittings (in

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	6115AR 6117AR	accordance with maintenance manual). Removal and disposal of debris and silt to ensure free flow of water.
RCM 7	6110AR 6116AR 6117AR	<u>Sign Gantries and High Mast Lighting</u> - Holding down assemblies and fixings including cladding to be checked/tightened/cleaned/greased (to include making good local damage to protective systems and replacement of bolts where required). Checking box type structures are water-tight and report leaks & bird entry issues.
RCM 8	6110AR 6117AR	<u>Non-structural Items</u> - Movable parts to be cleaned and greased. Holding down assemblies and fixings including cladding to be checked/tightened (to include making good local damage to protective systems).
RCM 9	6110AR 6112AR 6113AR 6114AR 6115AR 6117AR 6118AR	<u>Underpasses and Culverts used by Pedestrians</u> - Cleaning of ramps, light fittings, ceilings and soffits, mirrors and handrails. Removal of vegetation/sediment on or adjacent to structure which could have a detrimental effect on the function of the structure. Vegetation/debris/bird and bat dropping removal and disposal. Drainage system/gulleys/grates/channels cleared to maintain efficient operation.
RCM 10	6110AR 6112AR 6113AR	<u>Retaining Walls</u> - Removal of vegetation on or adjacent to structure which could have a detrimental effect on the function of the structure.

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Table 4.2.3 Structures Maintenance Route, Structures & Completions

Route	Structure		Maintenance Activity Codes										Complete on	Signature	Checked on Site	Comments	
	Reference No	Name	RCM1	RCM2	RCM3	RCM4	RCM5	RCM6	RCM7	RCM8	RCM9	RCM10					

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Table 4.2.4 Structures Maintenance Route, Structures & Progress

Route	Structures			Maintenance Activities			Comments
	Total Quantity	Quantity Complete	% Remainaing	Total Quantity	Quantity Complete	% Remainaing	
	100	50	50%	100	50	50%	
Totals	100	50	50%	100	50	50%	

Attachment 4.3 List of Structures Requiring Principal Inspections

Table 4.3.1 List of Structures Requiring Principal Inspections

Structure		
Reference No.	Name	Year
A9 0 H101	VS 0105 KEIR RND	2022
A9 0 H102	VS 0104 KEIR RND	2022
A9 0 H103	VS 0102 KEIR RND	2022
A9 0 H104	VS 0103 KEIR RND	2022
A9 0 H105	VS 0101 KEIR RND	2022
A9 0 H953V	953 KEIR RND	2026
A9 100	KINBUCK ROAD O/B	2022
A9 100 C20	WOODSIDE OF BALHALDI	2022
A9 100 C9	SCOURING BURN NO3	2024
A9 110	GREENLOANING O/B	2024
A9 120	MILL STONE 1	2026
A9 120 C0	MILL STONE 2	2021
A9 120 C50	BLUETON BURN	2026
A9 131	NETHERTON FARM U/P	2026
A9 131 C30	BUTTERGASK	2026
A9 150	OGILVIE BURN	2024
A9 160	DANNY BURN	2024
A9 160 C10	BACK BURN	2025
A9 160 C40	KINPAUCH BURN	2024
A9 170	ALLAN WATER	2024
A9 180	BLACKFORD RAIL	2024

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A9 190	CATTLE U/P	2024
A9 190 C10	COMELY BURN	2024
A9 190 H956V	956 AUCHTERARDER	2026
A9 200	LOANINGHEAD O/B	2024
A9 210	RUTHVEN WATER	2024
A9 210 C10	RUTHVEN STREET U/P	2024
A9 230	ABBEY ROAD O/B	2024
A9 240	PAIRNEY BURN	2024
A9 250	SHINAFoot	2024
A9 261	CAIRNIE	2024
A9 270	CAIRNIE U/P	2024
A9 280	BURNSIDE LODGE	2024
A9 280 C30	WINDYEDGE	2022
A9 280 C60	LAMBERKINE	2022
A9 280 C80	BROXDEN	2025
A9 280 G72	VMS/D4 BROXDEN	2021
A9 280 G85	VMS D11 (A83)	2026
A9 280 G95	Traffic Scotland VMS A	2026
A9 300 C60	HILLEND	2021
A9 310	OLD GALLOWS ROAD O/B	2024
A9 320	CRIEFF ROAD O/B	2024
A9 330 H955V	955 INVERALMOND RND	2026
A9 40	SHOWFIELD U/P	2022
A9 5 G87	VMS/W5 J11	2021
A9 50 F	OLD DOUNE ROAD F/B	2022
A9 60	DOUNE ROAD O/B	2022

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A9 70	AUCHINLAY ROAD U/P	2022
A9 80	AUCHINLAY RAIL	2022
A9 90	ALLAN WATER	2022
A9 95	BARBUSH QUARRY U/P	2022
A90 0 G14	Traffic Scotland VMS D1	2025
A90 1000	FORVIE	2024
A90 1000 W90	SUB-STATION RET WALL	2022
A90 1011	MIDMILL NEW	2022
A90 1020	TURNALIEF	2024
A90 1020 C5	WEST TURNALIEF	2024
A90 1020 C60	UPPERTON II	2021
A90 1020 C65	UPPERTON	2026
A90 1020 C70	WELLINGTON	2022
A90 1040	INVERUGIE	2024
A90 1040 C45	BLACKWATER	2022
A90 1040 C60	MIDDLE ESSIE	2022
A90 1040 C90	ANVIL COTTAGE	2022
A90 1050	LOGIE	2024
A90 1050 C40	WHITEHILLOCK	2022
A90 1050 C75	SPILLARSFORD	2022
A90 1050 G84	Traffic Scotland G5	2021
A90 1060	RATHEN	2024
A90 1060 C50	MILLTOWN OF PHILORTH	2022
A90 1060 C55	N. LODGE OF PHILORTH	2024
A90 1070	SOUTH HARBOUR ROAD	2024

Scottish Trunk Road Network Management Contract
North East Unit

A90 190	KINFAUNS O/B	2023
A90 200	GLENCARSE O/B	2025
A90 205	GLENCARSE	2025
A90 206	GLENDOICK O/B	2023
A90 206 C40	NORTH MURIE	2025
A90 207	INCHMICHAEL O/B	2023
A90 210	INCHMICHAEL LODGE	2025
A90 220	N INCHMICHAEL LODGE	2025
A90 220 C50	INCHMARTINE POW	2022
A90 220 W25	WESTOWN JUNCTION	2025
A90 230	INCHTURE O/B	2023
A90 240	MONCUR	2025
A90 240 W30	LONGFORGAN	2025
A90 250	LONGFORGAN	2023
A90 260	GREYSTANES	2023
A90 260 C40	BALGARTHNO U/P	2021
A90 260 C50	LIFF ROAD U/P	2021
A90 290	COUPAR ANGUS W O/B	2023
A90 300	COUPAR ANGUS E O/B	2023
A90 310	KINGS CROSS W O/B	2023
A90 320	KINGS CROSS E O/B	2023
A90 330 F	STRATHMARTINE RD F/B	2023
A90 340 F	OLD GLAMIS ROAD F/B	2023
A90 340 G14	VMS/D5 KINGSWAY	2021
A90 340 W10	GLAMIS ROAD	2021
A90 350	LINLATHEN U/P	2021

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North East Unit

A90 360	FORFAR ROAD	2021
A90 360 F	FINTRY F/B	2021
A90 360 G20	Traffic Scotland VMS D13	2025
A90 360 W90	POWRIE	2022
A90 380	EMMOCK O/B	2025
A90 380 C50	EMMOCK	2026
A90 380 G18	VMS/D6 N OF DUNDEE	2025
A90 390	NEWBIGGING	2025
A90 400	GATESIDE O/B	2025
A90 420	KERBET WATER	2025
A90 440	ROADMANS	2025
A90 450	SPITTAL BURN	2025
A90 460	SOUTH LECKAWAY O/B	2023
A90 465	GLAMIS U/P	2024
A90 465 C30	LOCHSIDE 1	2023
A90 475	KIRRIEMUIR O/B	2024
A90 475 C80	NETHER BOW	2023
A90 475 C90	QUILKOE	2023
A90 480	QUILKOE O/B	2023
A90 480 W10	QUILKOE	2021
A90 490	LEMNO NORTHBOUND	2023
A90 500	LEMNO SOUTHBOUND	2023
A90 510	FINAVON	2021
A90 520	RIVER SOUTH ESK	2021
A90 530	NORAN WATER	2021
A90 540	NETHER CARESTON	2021
A90 540 C95	BARRELWELL	2021

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North East Unit

A90 540 W99	EAST INCHOCK	2023
A90 555	ST ANN'S O/B	2023
A90 561	MAISONDIEU U/P	2023
A90 571	COOKSTON U/P	2023
A90 590	TRINITY O/B	2023
A90 600	KEITHOCK FARM	2023
A90 610	KEITHOCK BURN	2023
A90 620	KEITHOCK	2023
A90 630	STRACATHRO O/B	2021
A90 640	UPPER NORTH WATER SB	2022
A90 641	UPPER NORTH WATER NB	2023
A90 650	BLACKBURN	2022
A90 660	LUTHER SB	2022
A90 661	LUTHER NB	2022
A90 661 C90	OATYHILL	2022
A90 661 C95	OATYHILL U/P	2022
A90 661 W4	BIRCHWOOD	2022
A90 670	OATYHILL RAIL	2026
A90 670 C60	GAUGERS BURN	2022
A90 670 H10V	LAURENCEKIRK CCTV	2021
A90 680	JOHNSTON MAINS	2022
A90 680 C10	KIRK BURN	2022
A90 680 C25	BURNSIDE 1	2022
A90 680 C30	BURNSIDE 2	2022
A90 680 C35	KEILBURN 1	2022

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North East Unit

A90 680 C40	KEILBURN 2	2021
A90 680 C55	SCOTSTON	2021
A90 680 C85	POWBURN	2021
A90 690	FORDOUN	2021
A90 700	REDHALL	2021
A90 700 W1	BALFEITH	2022
A90 710	MONDYNES NEW	2021
A90 720	FIDDES	2021
A90 730	GLASLAW INT	2021
A90 730 C55	TOUCK'S	2021
A90 730 G57	VMS/G2 N OF SH	2021
A90 740	CARRON	2021
A90 750	BROOMHILL ROAD O/B	2021
A90 760	SLUG ROAD O/B	2021
A90 770	COWIE	2026
A90 780 C54	LIMPET	2026
A90 780 G34	VMS/G1 S OF ABERDEEN	2021
A90 780 W22	MEGRAY	2026
A90 790	MUCHALLS	2026
A90 790 C55	NEWTONHILL	2026
A90 800	NEWTONHILL O/B	2026
A90 820	ELSICK	2026
A90 830	BOURTREEBUSH FARM	2026
A90 830 C60	CAIRNWELL	2022
A90 840	PORTLETHEN O/B	2026
A90 840 C75	COOKSTON	2026

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North East Unit

A90 843	COOKSTON U/P	2022
A90 843 C40	HILLSIDE	2026
A90 843 C70	FINDON	2026
A90 846	FINDON U/P	2022
A90 846 W1	FINDON SOUTHBOUND	2022
A90 980	YTHAN	2023
A90 990	MILL OF WATERTON	2023
A90 990 C80	BRIDGEFOOT	2023
A92 10	CROSSGATES STN O/B	2022
A92 100	CHAPEL I/C EAST O/B	2023
A92 110 F	JOHNNY MARSHALLS F/B	2023
A92 115 F	CARBERRY F/B	2023
A92 120	ORE MILLS U/P	2021
A92 130	RIVER ORE	2021
A92 140	STATION ROAD	2021
A92 150	LOCHTY FARM U/P	2021
A92 160	LOCHTY BURN	2021
A92 170	LOCHTYSIDE O/B	2021
A92 170 H1	BANKHEAD NCP 2/7/34	2021
A92 170 H2	BANKHEAD NCP 2/6/33	2021
A92 170 H3	BANKHEAD NCP 2/9/36	2021
A92 170 H4	BANKHEAD NCP 2/8/35	2021
A92 170 W50	FACTORY	2023
A92 180	WOODSIDE ROAD	2021
A92 190	BOBLINGEN WAY	2021
A92 20	COWDENBEATH I/C O/B	2022

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North East Unit

A92 200	AUCHMUTY SCHOOL	2021
A92 210	RIVER LEVEN	2024
A92 220	MILL LADE	2024
A92 230	AUCHMUTY RAIL	2024
A92 235 F	PRESTON F/B	2024
A92 240	BACK BURN	2024
A92 250	EDENBANK	2024
A92 260	ANNSMUIR RAIL	2024
A92 260 C55	COLLAIRNIE	2025
A92 260 G30	Traffic Scotland VMS D7	2025
A92 260 W11	ANGLE PARK (EAST)	2021
A92 270	MOTRAY WEST	2025
A92 280	MOTRAY EAST	2025
A92 290	RATHILLET WOOD RAIL	2024
A92 30	NEWTON WESTERTON O/B	2022
A92 300	KILMANY	2025
A92 300 C85	HAWKHILL	2025
A92 300 W25	RETAINING WALL	2025
A92 300 W97	ST FORT WALL	2021
A92 310	ST.FORT RAIL	2025
A92 310 C5	STRAITON QUARRY	2024
A92 310 C55	NORTH FORGAN	2026
A92 40	LOCHGELLY I/C O/B	2022
A92 50	MUIRHEAD U/P	2023
A92 60	DUNDONALD O/B	2023
A92 70	CARDENDEN VIADUCT	2023

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North East Unit

A92 80	CARDENBARNES O/B	2023
A92 810	NEWTONHILL FARM	2026
A92 90	CHAPEL I/C WEST O/B	2023
A95 0 G31	VMS/A4 A95	2021
A95 100	DALVEY	2026
A95 100 C40	DUIAR	2026
A95 110	ADVIE	2026
A95 12 F	MILLENNIUM F/B E1	2021
A95 120	TORMORE	2026
A95 120 C40	BRIDGE OF CORRIES	2024
A95 130	BRIDGE OF AVON	2022
A95 140	MARYPARK	2022
A95 140 C30	BRIDGE OF LYNE	2022
A95 140 C50	BALLIEMULLICH	2023
A95 140 C60	DERRYBEG	2022
A95 150	CHARLESTOWN	2026
A95 150 F	ABERLOUR F/B	2024
A95 160	ALLOCHY	2024
A95 165	SIMONS BRIDGE U/P	2021
A95 170	CRAIGELLACHIE 1	2022
A95 18	MID-CURR U/P	2025
A95 180	CRAIGELLACHIE 2	2022
A95 20	DULNAIN NEW	2025
A95 200	FIDDICH	2026
A95 200 C65	MAGGIEKNOCKATER	2022
A95 200 C79	BALNELLAN	2021
A95 210 C92	OLDMILL	2021

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North East Unit

A95 22	BALLINTOMB U/P	2025
A95 220	BRIDGE OF CAIRDS	2021
A95 230	OLDTOWN	2021
A95 230 C10	AUCHLUNKART	2022
A95 240	BLACKHILLOCK	2021
A95 250	TAUCHERS	2021
A95 250 C25	ROSARIE	2021
A95 30	GLENBEG	2024
A95 40	KYLINTRA	2022
A95 50	SPEY	2026
A95 50 C10	INVERALLAN FARM U/P	2023
A95 60	CONGASH	2026
A95 60 W40	FEABUIE WALL	2021
A95 80	CROMDALE	2026
A95 81 F	Cromdale Community FB	2026
A95 90	DALLACHAPPLE	2026
A95 90 C15	POLLOWICK	2026
A96 100	KEMNAY ROAD O/B	2026
A96 110	DUNECHT ROAD O/B	2026
A96 120	CASTLE ROAD U/P	2026
A96 130	FOREST ROAD O/B	2026
A96 130 C58	BRIDGEALEHOUSE BURN	2026
A96 140	QUARRY ROAD I/C	2026
A96 150	DON INVERURIE NEW	2023
A96 160	UPPERBOAT O/B	2023
A96 170	INVERURIE GOLF U/P	2023

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North East Unit

A96 175	Inverurie U/P	2022
A96 175 W1	Inverurie U/P Crib Wall	2022
A96 180	CONGLAS CATTLE U/P	2023
A96 180 G83	VMS/G W OF INVERURIE	2021
A96 190	DRIMMIES FARM U/P	2023
A96 200	STRATHNATERICK	2023
A96 210	INVERAMSAY U/P	2023
A96 213	INVERAMSAY U/P NORTH	2025
A96 215	INVERAMSAY BRIDGE	2025
A96 230	CARDEN	2023
A96 230 C1	CARDEN FLOOD ARCH	2024
A96 240	SHEVOCK	2023
A96 250	KELLOCK	2023
A96 250 C35	COLPY	2023
A96 260	BAINSHOLE	2022
A96 260 C5	PETERDEN	2023
A96 270	WHINBRAE U/P	2022
A96 275	AGRICULTURAL U/P	2026
A96 280	THAINS BURN	2022
A96 290 C95	MILL LADE	2022
A96 300	BOGIE	2023
A96 300 H1	SINGLE DRUM WINCH	2024
A96 310	MEADOWBURN U/P	2022
A96 320	DEVERON	2023
A96 330	BOGMOOR	2022

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North East Unit

A96 340	CAIRNIE	2022
A96 345	COACHFORD U/P	2026
A96 345 C31	ARACHIE BURN	2026
A96 345 C60	NETHERTON	2026
A96 345 C73	TARNASH CULVERT 1	2023
A96 345 C74	TARNASH CULVERT 2	2023
A96 345 C75	TARNASH	2023
A96 345 G75	Traffic Scotland VMS G7	2026
A96 345 W84	ROWANS WALL RB	2023
A96 350	KEITH DUFFTOWN RAIL	2026
A96 360	ISLA	2026
A96 370	HAUGHS	2026
A96 380	KEITH HAUGHS RAIL	2026
A96 390	BOGBAIN	2026
A96 400	RUMBUCH	2026
A96 400 C35	AULTHASH	2021
A96 400 C50	FOCHABERS WOOD 1	2023
A96 400 C54	FOCHABERS WOOD 2	2023
A96 405	DRAMLACHS UNDERPASS	2022
A96 406	FOCHABERS EAST ROUNDBOUT UNDERPASS	2022
A96 407	GORDON CASTLE FARM ACCESS BRIDGE	2022
A96 407 W75	LAKE RETAINING WALL	2024
A96 408	GORDON CASTLE MAIN DRIVEWAY BRIDGE	2022

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North East Unit

A96 409	FOCHABERS OLD	2023
A96 410	FOCHABERS NEW	2021
A96 412	INCHBERRY ROAD UNDERPASS	2022
A96 415	ROTHES ROAD UNDERPASS	2022
A96 415 C15	BLACKBURN CULVERT 1	2022
A96 415 C16	BLACKBURN CULVERT 2	2022
A96 415 C90	LHANBRYDE BURN NEW	2022
A96 415 W95	STATION HOUSE WALL LH	2022
A96 415 W96	STATION ROAD	2022
A96 430	LHANBRYDE FARM U/P	2022
A96 440	WAULKMILL	2021
A96 450	TYOCK	2021
A96 460 C15	ALEXANDRA WAY U/P	2021
A96 460 F	ALEXANDRA WAY F/B	2021
A96 460 W5	ALEXANDRA WAY	2021
A96 470	SHERIFFMILL	2021
A96 470 G6	Traffic Scotland VMS G8	2026
A96 480	ALVES NEW RAIL	2021
A96 480 C35	BURGIE	2022
A96 481	ALVES OLD RAIL	2021
A96 490	FORRES NEW (MOSSET)	2021
A96 500	FINDHORN	2021

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North East Unit

A96 510	DALVEY	2021
A96 520	BRODIE	2021
A96 520 C75	BROOMBANK BURN	2026
A96 520 C85	BOATH BURN	2026
A96 526	AUCHMACLOICH U/PASS	2024
A96 528	AUCHNACLOICH BURN	2025
A96 528 G51	VMS/A13 NAIRN	2021
A96 530 W85	NAIRN	2022
A96 540	NAIRN RIVER	2025
A96 550	GOLLANFIELD RAIL	2026
A96 550 C40	DRUMINE BURN	2022
A96 550 C62	MID COUL	2022
A96 550 C77	TORNAGRAIN	2022
A96 550 C81	KERROWAIRD	2022
A96 560	MORAYSTON	2024
A96 560 C19	NEWTON BURN	2026
A96 560 C80	MILTON BURN	2025
A96 560 C84	MILTON 2	2025
A96 570	SCRETAN BURN	2026
A96 580	STONEFIELD 1 RAIL	2026
A96 590	STONEFIELD 2 RAIL	2026
A96 60	BISHOPSTON FARM U/P	2026
A96 70	BLACK BURN NEW	2026
A96 80	KINELLAR ROAD O/B	2026
A96 90	BOGHEAD FARM U/P	2026
A96 90 C67	SHERRIF BURN 1	2026

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North East Unit

A96 90 C70	SHERIFF BURN	2026
A96 90 C85	TUACH BURN NEW	2026
A972 10 F	PITKERRO ROAD F/B	2026
A9S 100 C5	SCOURING BURN NO2	2024
A9S 190 W98	SLIP ROAD WALL	2021
M90 10-10 65	CALLERFOUNTAIN O/B	2025
M90 10-10 G20	CRAIGEND I/C	2025
M90 10-10 H954V	954 BROXDEN RND	2026
M90 10-11 20	RHYND ROAD O/B	2025
M90 10-11 55	FRIARTON	Refer to Particular Requirements
M90 10-11 G90	VMS/D2 A85E W OF I/C	2025
M90 11-11 10	FRIARTON NORTH END	2025
M90 11-11 H957V	957 FRIARTON BR	2026
M90 3-3 H10	A92 APPROACH - VW0101	2021
M90 3-3 H6	HALBEATH NW - VX0301	2021
M90 3-3 H7	HALBEATH SW - VX0302	2021
M90 3-3 H8	HALBEATH SE - VW0103	2021
M90 3-3 H9	HALBEATH NE - VW0102	2021
M90 3-4 10	HALBEATH RAIL	2022
M90 3-4 15	NETHERBEATH O/B	2022
M90 3-4 30	KEIRSBEATH O/B	2022
M90 3-4 50	CUDDYHOUSE O/B	2022
M90 3-4 65	LASSODIE O/B	2026
M90 3-4 G20	FIFE ITS GANTRY 21F VMS V21F	2023

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North East Unit

M90 3-4 G5	FIFE ITS GANTRY 19F 90710	2023
M90 3-4 G55	Traffic Scotland VMS D10	2025
M90 4-4 10	COCKLAW O/B	2026
M90 4-5 33	BLAIRENBATHIE MINE	2026
M90 4-5 36	BLAIRADAM HOUSE U/P	2023
M90 4-5 50	NORTH BLAIR U/P	2023
M90 4-5 75	LOCHRAN O/B	2023
M90 4-5 F10	KELTYHILL F/B	2026
M90 5-5 10	GAIRNEY O/B	2023
M90 5-6 12	GAIRNEY WATER	2023
M90 5-6 25	HATCHBANK O/B	2023
M90 5-6 65	CLEISH	2023
M90 5-6 75	GELLY BURN	2023
M90 5-6 80	SOUTH QUEICH	2023
M90 5-6 F8	FRUIX F/B	2023
M90 6-6 10	KINROSS SOUTH O/B	2023
M90 6-6 20	KINROSS NORTH O/B	2023
M90 6-6 G12	VMS/F1 Kinross B918	2025
M90 6-6 G17	VMS/F2 A911W AT J6	2021
M90 6-7 50	GALLOWHILL O/B	2023
M90 6-7 75	NORTH QUEICH	2023
M90 6-7 G29	VMS/E1 J6 KINROSS	2021
M90 7-7 10	HILTON O/B	2023
M90 7-8 15	FOCHY BURN	2023
M90 7-8 35	NORTH STREET O/B	2023
M90 7-8 50	HATTON BURN	2023

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North East Unit

M90 7-8 55	HATTON BURN O/B	2023
M90 7-8 G35	Traffic Scotland VMS D12	2025
M90 7-8 G55	VMS/E MILNATHORT	2021
M90 8-8 20	CUTHILMUIR	2023
M90 8-8 C10	MAW BURN	2023
M90 8-9 10	BEATTIE BURN	2023
M90 8-9 20	DRUNZIE O/B	2023
M90 8-9 40	PARIS O/B	2025
M90 8-9 5	BLAIRHEAD ROAD O/B	2023
M90 8-9 50	GLENHEAD	2025
M90 8-9 60	FIELDIE O/B	2025
M90 8-9 70	WICKS OF BAIGLIE O/B	2025
M90 8-9 75	BALMANNO EAST O/B	2025
M90 8-9 80	BALMANNO WEST O/B	2025
M90 8-9 85	DRON O/B	2025
M90 8-9 95	BRICKHALL	2025
M90 8-9 C38	RIVER FARG CULVERT 1	2023
M90 8-9 F35	GLENFARG VILLAGE F/B	2023
M90 8-9 W33	GLENFARG	2023
M90 9-10 10	CLAYTON	2025
M90 9-10 25	EARN	2026
M90 9-10 35	RHYND ROAD	2025
M90 9-10 55	MONCRIEFFE HOUSE O/B	2025
M90 9-10 8	BRIDGE OF EARN RAIL	2022
M90 9-10 G49	VMS Bridge of Earn	2025

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North East Unit

M90 9-10 G99	CRAIGEND I/C APPR'CH	2025
M90 9-9 10	MUIRMONT	2025
M90S 10-10 10	M90 NB - M90S WB SR	2025
M90S 10-10 20	M90 NB - A912 NB SR	2025
M90S 10-10 30	M90S EB - M90 SB SR	2025
M90S 10-10 40	A912 SB - M90 SB SR	2025
M90S 10-10 50	M90 SB - M90S WB SR	2025
M90S 10-10 60	A912 OVER M90S NB SR	2025
M90S 10-10 70	CUDDIES STRIP U/P	2025
M90S 10-10 75	NECESSITY BRAE	2025
M90S 10-10 80	BROXDEN O/B	2025
M90S 10-10 G10	CRAIGEND I/C SLIP	2025
M90S 8-8 10	ARLARY O/B	2023
A92 10 S82	ROAD TRAFFIC SIGN	TBC
A92 20 S22	ROAD TRAFFIC SIGN	TBC
A92 80 S79	ROAD TRAFFIC SIGN	TBC
A92 115 S20	ROAD TRAFFIC SIGN	TBC
A92 115 S43	ROAD TRAFFIC SIGN	TBC
A92 170 S17	ROAD TRAFFIC SIGN	TBC
A92S 5 S84	ROAD TRAFFIC SIGN	TBC
A92S 9 S9	ROAD TRAFFIC SIGN	TBC
A92S 9 S30	ROAD TRAFFIC SIGN	TBC
A90 785 S55	ROAD TRAFFIC SIGN	TBC
A90 846 S5	ROAD TRAFFIC SIGN	TBC
M90 3-4 S11	ROAD TRAFFIC SIGN	TBC
M90 3-4 S89	ROAD TRAFFIC SIGN	TBC
M90 4-5 S67	ROAD TRAFFIC SIGN	TBC

Scottish Trunk Road Network Management Contract
North East Unit

M90 4-5 S86	ROAD TRAFFIC SIGN	TBC
M90 5-6 S11	ROAD TRAFFIC SIGN	TBC
M90 5-6 S38	ROAD TRAFFIC SIGN	TBC
M90 5-6 S71	ROAD TRAFFIC SIGN	TBC
M90 5-6 S87	ROAD TRAFFIC SIGN	TBC
M90 6-7 S34	ROAD TRAFFIC SIGN	TBC
M90 6-7 S78	ROAD TRAFFIC SIGN	TBC
M90 7-8 S18	ROAD TRAFFIC SIGN	TBC
M90 7-8 S60	ROAD TRAFFIC SIGN	TBC
M90 7-8 S82	ROAD TRAFFIC SIGN	TBC
M90 8-9 S84	ROAD TRAFFIC SIGN	TBC
M90 8-9 S94	ROAD TRAFFIC SIGN	TBC
M90 9-10 S16	ROAD TRAFFIC SIGN	TBC
M90 9-10 S36	ROAD TRAFFIC SIGN	TBC
M90 9-10 S38	ROAD TRAFFIC SIGN	TBC
M90 9-10 S58	ROAD TRAFFIC SIGN	TBC
M90 9-10 S61	ROAD TRAFFIC SIGN	TBC
M90S 10-10 S62	ROAD TRAFFIC SIGN	TBC
M90S 10-10 S66	ROAD TRAFFIC SIGN	TBC
M90S 10-10 S83	ROAD TRAFFIC SIGN	TBC
M90 10-11 S31	ROAD TRAFFIC SIGN	TBC
M90 10-11 S40	ROAD TRAFFIC SIGN	TBC
M90 10-11 S41	ROAD TRAFFIC SIGN	TBC
M90 10-11 S77	ROAD TRAFFIC SIGN	TBC
A9 40 S3	ROAD TRAFFIC SIGN	TBC
A9 40 S55	ROAD TRAFFIC SIGN	TBC
A9 100 S78	ROAD TRAFFIC SIGN	TBC

Scottish Trunk Road Network Management Contract
North East Unit

A9S 200 S1	ROAD TRAFFIC SIGN	TBC
A9S 200 S3	ROAD TRAFFIC SIGN	TBC
A9 200 S16	ROAD TRAFFIC SIGN	TBC
A9 250 S83	ROAD TRAFFIC SIGN	TBC
A9 250 S98	ROAD TRAFFIC SIGN	TBC
A9 280 S77	ROAD TRAFFIC SIGN	TBC
A90 0 S13	ROAD TRAFFIC SIGN	TBC
A90 0 S29	ROAD TRAFFIC SIGN	TBC
A90 190 S39	ROAD TRAFFIC SIGN	TBC
A90 206 S10	ROAD TRAFFIC SIGN	TBC
A90 220 S17	ROAD TRAFFIC SIGN	TBC
A90 220 S87	ROAD TRAFFIC SIGN	TBC
A90 230 S28	ROAD TRAFFIC SIGN	TBC
A90 250 S70	ROAD TRAFFIC SIGN	TBC
A90 250 S96	ROAD TRAFFIC SIGN	TBC
A90 250 S99	ROAD TRAFFIC SIGN	TBC
A90 260 S85	ROAD TRAFFIC SIGN	TBC
A90 360 S64	ROAD TRAFFIC SIGN	TBC
A90 390 S82	ROAD TRAFFIC SIGN	TBC
A90 450 S31	ROAD TRAFFIC SIGN	TBC
A90 465 S3	ROAD TRAFFIC SIGN	TBC
A90 465 S90	ROAD TRAFFIC SIGN	TBC
A90 475 S1	ROAD TRAFFIC SIGN	TBC
A90 500 S70	ROAD TRAFFIC SIGN	TBC
A90 520 S17	ROAD TRAFFIC SIGN	TBC
A90 530 S99	ROAD TRAFFIC SIGN	TBC
A90 555 S1	ROAD TRAFFIC SIGN	TBC

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A90 610 S71	ROAD TRAFFIC SIGN	TBC
A90 620 S6	ROAD TRAFFIC SIGN	TBC
A90 660 S39	ROAD TRAFFIC SIGN	TBC
A90 680 S39	ROAD TRAFFIC SIGN	TBC
A90 680 S41	ROAD TRAFFIC SIGN	TBC
A90 730 S26	ROAD TRAFFIC SIGN	TBC
A90 770 S16	ROAD TRAFFIC SIGN	TBC
A90 770 S85	ROAD TRAFFIC SIGN	TBC
A90 970 S66	ROAD TRAFFIC SIGN	TBC
A96 60 S48	ROAD TRAFFIC SIGN	TBC
A96 60 S88	ROAD TRAFFIC SIGN	TBC
A96 70 S94	ROAD TRAFFIC SIGN	TBC
A96 90 S50	ROAD TRAFFIC SIGN	TBC
A96 90 S80	ROAD TRAFFIC SIGN	TBC
A96 120 S2	ROAD TRAFFIC SIGN	TBC
A96 140 S17	ROAD TRAFFIC SIGN	TBC
A96 140 S30	ROAD TRAFFIC SIGN	TBC
A96 140 S39	ROAD TRAFFIC SIGN	TBC
A96 405 S55	ROAD TRAFFIC SIGN	TBC
A96 406 S26	ROAD TRAFFIC SIGN	TBC
A96 412 S59	ROAD TRAFFIC SIGN	TBC
A96 415 S20	ROAD TRAFFIC SIGN	TBC
A96 570 S63	ROAD TRAFFIC SIGN	TBC

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Table 4.3.2 Summary of Structures Requiring Principal Inspections Per Year

Structure Type	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
Particular Requirements	Refer to Particular Requirements									
Bridges	39	43	66	35	46	44	39	43	66	421
Footbridges	3	1	6	2	0	3	3	1	6	25
Culverts	15	32	15	10	7	21	15	32	15	162
Retaining Walls	7	9	4	1	3	1	7	9	4	45
Gantries	12	0	2	0	12	4	12	0	2	44
High Mast Lights	10	5	0	1	0	5	10	5	0	36
Road Traffic Sign	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	91
Totals	86	90	93	49	68	78	86	90	93	824

Notes

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1. For supplementary information on bridges with particular requirements, refer to Attachment 4.15.
2. Further information on the Structures listed within this table is held within the structures management function of the Integrated Roads Information System and the information room.
3. The numbers of Structures may be altered during the course of this Contract at the Director's discretion.
4. All Structures with particular requirements lie within the Principal Inspection programme, except where specifically excluded by their own maintenance manual as noted in Attachment 4.15.
5. Not all Structures with particular requirements have Principal Inspections due between 2021 and 2029.

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Attachment 4.4 List of Structures Over, Carrying or Adjacent to Water Courses That Have Level 1 and Level 2 Scour Assessments

Table 4.4.1 Structures Over, Carrying or Adjacent to Water Courses, Results of Level 1 and Level 2 Scour Assessments

Struct Ref	Name	Risk Rating	Level 1/ Level 2 Assessment
A9 120	MILL STONE 1	5	LEVEL 1
A9 150	OGILVIE BURN	5	LEVEL 1
A9 160	DANNY BURN	5	LEVEL 1
A9 160 C10	BLACK BURN	5	LEVEL 1
A9 170	ALLAN WATER	5	LEVEL 1
A9 210	RUTHVEN WATER	5	LEVEL 1
A9 240	PAIRNEY BURN	5	LEVEL 1
A9 261	CAIRNIE	5	LEVEL 1
A9 280	BURNSIDE LODGE	5	LEVEL 1
A9 330	LADE	5	LEVEL 1
A9 90	ALLAN WATER	5	LEVEL 1
A90 1000	FORVIE	5	LEVEL 1
A90 1020	TURNALIEF	3	LEVEL 2
A90 1020 C65	UPPERTON	5	LEVEL 1
A90 1040	INVERUGIE	1	LEVEL 2
A90 1050	LOGIE	5	LEVEL 1
A90 1060	RATHEN	1	LEVEL 2
A90 1070	SOUTH HARBOUR ROAD	5	LEVEL 1
A90 205	GLENCARSE	5	LEVEL 1
A90 210	INCHMICHAEL LODGE	1	LEVEL 2
A90 220	N. INCHMICHAEL LODGE	5	LEVEL 1
A90 510	FINAVON	1	LEVEL 2
A90 520	RIVER SOUTH ESK	5	LEVEL 1
A90 540 C95	BARREL WELL	5	LEVEL 1
A90 640	UPPER N. WATER S/B	5	LEVEL 1
A90 641	UPPER N. WATER N/B	2	LEVEL 2
A90 650	BLACKBURN	4	LEVEL 2
A90 660	LUTHER S/B	5	LEVEL 1

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A90 661	LUTHER N/B	5	LEVEL 1
A90 661 C90	OATYHILL CULVERT	5	LEVEL 1
A90 680 C10	KIRK BURN	1	LEVEL 2
A90 690	FORDOUN	5	LEVEL 1
A90 700	REDHALL	5	LEVEL 1
A90 710	MONDYNES NEW	5	LEVEL 1
A90 720	FIDDES	5	LEVEL 1
A90 740	CARRON	5	LEVEL 1
A90 770	COWIE	5	LEVEL 1
A90 790	MUCHALLS	5	LEVEL 1
A90 820	ELSICK	5	LEVEL 1
A90 890	DEN BURN ANDERSON DR	5	LEVEL 1
A90 910	SCATTERBURN	5	LEVEL 1
A90 920	PERSLEY	1	LEVEL 2
A90 930	MILLDEN BURN/CREEP	5	LEVEL 1
A90 950	PITGERSIE	5	LEVEL 1
A90 970	TIPPERTY BURN/CREEP	5	LEVEL 1
A90 980	YTHAN	2	LEVEL 2
A90 990	MILL OF WATERTON	5	LEVEL 1
A92 130	RIVER ORE	5	LEVEL 1
A92 160	LOCHTY BURN	5	LEVEL 1
A92 210	RIVER LEVEN	1	LEVEL 2
A92 220	MILL LADE	5	LEVEL 1
A92 240	BACK BURN	5	LEVEL 1
A92 250	EDENBANK	5	LEVEL 1
A92 270	MOTRAY(WEST)BRIDGE	5	LEVEL 1
A92 280	MOTRAY(EAST)BRIDGE	5	LEVEL 1
A92 300	KILMANY	5	LEVEL 1
A92 70	CARDENDEN VIADUCT	5	LEVEL 1
A95 100	DALVEY	3	LEVEL 2
A95 100 C40	DUAIR	1	LEVEL 2
A95 110	ADVIE	5	LEVEL 1
A95 120	TORMORE	5	LEVEL 1
A95 120 C40	BRIDGE OF CORRIES	5	LEVEL 1

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A95 130	BRIDGE OF AVON	5	LEVEL 1
A95 140	MARYPARK	5	LEVEL 1
A95 150	CHARLESTOWN	5	LEVEL 1
A95 160	ALLOCHY	5	LEVEL 1
A95 20	DULNAIN NEW	5	LEVEL 1
A95 200	FIDDICH	5	LEVEL 1
A95 200 C65	MAGGIEKNOCKATER	5	LEVEL 1
A95 200 C78	EASTER	5	LEVEL 1
A95 200 C79	BALNELLAN	4	LEVEL 2
A95 220	BRIDGE OF CAIRDS	5	LEVEL 1
A95 230	OLDTOWN	1	LEVEL 2
A95 240	BLACKHILLOCK	2	LEVEL 2
A95 250	TAUCHERS	3	LEVEL 2
A95 30	GLENBEG	5	LEVEL 1
A95 40	KYLINTRA	5	LEVEL 1
A95 50	SPEY	3	LEVEL 2
A95 60	CONGASH	5	LEVEL 1
A95 80	CROMDALE	5	LEVEL 1
A95 90	DALLACHAPPLE	2	LEVEL 2
A96 10	BUCKS BURN NEW	5	LEVEL 1
A96 200	STRATHNATERICK	5	LEVEL 1
A96 230	CARDEN	2	LEVEL 2
A96 230 C10	AUCLUNKART CULVERT	5	LEVEL 1
A96 240	SHEVOCK	5	LEVEL 1
A96 250	KELLOCK	5	LEVEL 1
A96 260	BAINSHOLE	5	LEVEL 1
A96 280	THAINS BURN	5	LEVEL 1
A96 300	BOGIE	5	LEVEL 1
A96 310	MEADOWBURN U/P	5	LEVEL 1
A96 320	DEVERON	5	LEVEL 1
A96 330	BOGMOOR	5	LEVEL 1
A96 340	CAIRNIE	5	LEVEL 1
A96 345 C60	NETHERTON	2	LEVEL 2
A96 360	ISLA	5	LEVEL 1

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A96 370	HAUGHS	5	LEVEL 1
A96 390	BOGBAIN	5	LEVEL 1
A96 400	RUMBUCH	5	LEVEL 1
A96 409	FOCHABERS OLD	5	LEVEL 1
A96 410	FOCHABERS NEW	5	LEVEL 1
A96 440	WAULKMILL	5	LEVEL 1
A96 450	TYOCK	5	LEVEL 1
A96 470	SHERIFFMILL	5	LEVEL 1
A96 490	FORRES NEW (MOSSET)	5	LEVEL 1
A96 500	FINDHORN	5	LEVEL 1
A96 510	DALVEY	5	LEVEL 1
A96 520	BRODIE	5	LEVEL 1
A96 520 C85	BOATH BURN	5	LEVEL 1
A96 540	NAIRN RIVER	5	LEVEL 1
A96 560	MORAYSTON	5	LEVEL 1
A96 560 C80	MILTON BURN	5	LEVEL 1
A96 570	SCRETAN BURN	5	LEVEL 1
A96 70	BLACK BURN NEW	5	LEVEL 1
M90 10-11 55	FRIARTON	5	LEVEL 1
M90 5-6 12	GAIRNEY WATER	5	LEVEL 1
M90 5-6 75	GELLY BURN	5	LEVEL 1
M90 5-6 80	SOUTH QUEICH	5	LEVEL 1
M90 6-7 75	NORTH QUEICH	5	LEVEL 1
M90 7-8 15	FOCHY BURN	5	LEVEL 1
M90 7-8 50	HATTON BURN	5	LEVEL 1
M90 9-10 25	EARN	5	LEVEL 1
M90 8-8 C10	MAW BURN	4	LEVEL 2
A90 990 C80	BRIDGEFOOT	2	LEVEL 2
A90 1020 C5	WEST TURNALIEF	2	LEVEL 2
A90 1040 C90	ANVIL COTTAGE	1	LEVEL 2
A90 1050 C40	WHITEHILLOCK	1	LEVEL 2
A90 1050 C75	SPILLARSFORD	3	LEVEL 2
A90 1060 C50	MILLTOWN OF PHILORTH	2	LEVEL 2
A90 1060 C55	N LODGE OF PHILORTH	5	LEVEL 1

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A90 843 C40	HILLSIDE	3	LEVEL 2
A95 250 C25	ROSARIE	3	LEVEL 2
A90 780 C4	LIMPET	4	LEVEL 2
A96 345 C73	TAMSH CULVERT 1	2	LEVEL 2
A90 345 C74	TAMSH CULVERT 2	2	LEVEL 2
A96 400 C35	AULTASH	2	LEVEL 2
A96 400 C50	FOCHABERS WOOD	5	LEVEL 2
A96 400 C54	FOCHABERS WOOD 2	4	LEVEL 2
A96 480 C35	BURGIE	2	LEVEL 2
A90 790 C55	NEWTONHILL	5	LEVEL 1
A90 490	LEMNO NORTHBOUND	5	LEVEL 1

Attachment 4.5 List of Structures Over, Carrying or Adjacent to Water Courses That Have Been Subject to Level 2 Scour Assessments

Table 4.5.1 Structures Over, Carrying Water or Adjacent to Water Courses Subject to Level 2 Scour Assessments

Struct Ref	Name	Risk Rating	Level 2 Assessment
A90 1040	INVERUGLIE	1	Level 2
A90 1060	RATHEN	1	Level 2
A90 210	INCHMICHAEL LODGE	1	Level 2
A90 510	FINAVON	1	Level 2
A90 920	PERSLEY	1	Level 2
A92 210	RIVER LEVEN	1	Level 2
A95 230	OLDTOWN	1	Level 2
A90 680 C10	KIRK BURN	1	Level 2
A90 1040 C90	ANVIL COTTAGE	1	Level 2
A90 1050 C40	WHITEHILLOCK	1	Level 2
A95 100 C40	DUIR	1	Level 2
A96 345 C74	TAMASH CULVERT 2	1	Level 2
A90 500	LEMNO SOUTHBOUND	2	Level 2
A90 641	UPPER NORTHWATER NB	2	Level 2
A90 980	YTHAN	2	Level 2
A95 240	BLACKHILLOCK	2	Level 2
A95 90	DALLACHAPPIE	2	Level 2
A96 230	CARDEN	2	Level 2
A90 980 C80	BRIDGEFOOT	2	Level 2
A90 1020 C5	WEST TURNALIEF	2	Level 2
A90 1060 C50	MILLTOWN OF PHILOTH	2	Level 2
A96 345 C60	NETHERTON	2	Level 2
A96 345 C73	TAMASH CULVERT 1	2	Level 2
A96 400 C35	AULTHASH	2	Level 2
A96 480 C35	BURGIE	2	Level 2
A90 1020	TURNALIEF	3	Level 2
A95 100	DALVEY	3	Level 2
A95 250	TAUCHERS	3	Level 2

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A95 50	SPEY	3	Level 2
A90 1050 C75	SPILLARSFORD	3	Level 2
A90 843 C40	HILLSIDE	3	Level 2
A95 250 C25	ROSARIE	3	Level 2
A90 240	MONCUR	4	Level 2
A90 360	FORFAR ROAD	4	Level 2
A90 500	LEMNO SOUTHBOUND	2	LEVEL 2
M90 8-8 C10	MAWBURN	4	Level 2
A90 780 C4	LIMPET	4	Level 2
A95 200 C79	BALNELLAN	4	Level 2
A96 400 C54	FOCHABERS WOOD	4	Level 2

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Attachment 4.6 List of agreements with third Parties That Affect Existing and Future Management, Maintenance & Replacement of Structures

Table 4.6.1 Agreements with third Parties That Affect Structures

Structure			
Reference No.	Name	Agreement reference	3rd Party
A9 80	AUCHINLAY RAIL	BR 133/4AA	Network Rail
A9 180	BLACKFORD RAIL	BR 133/42-1	Network Rail
A90 670	OATYHILL RAIL	BR 133/282-1	Network Rail
A90 880	RUTHRIESTON	2BR A90/880	Network Rail
A90 900	MUGIEMOSS ROAD RAIL	BR 293/25A	Network Rail
A92 130	RIVER ORE	BR 113/26A	Network Rail
A92 230	AUCHMUTY RAIL	BR 108/2	Network Rail
A92 260	ANNSMUIR RAIL	BR 110/1	Network Rail
A92 290	RATHILLET WOOD	2BR A92/290	Network Rail
A92 310	ST. FORT RAIL	BR 90/180A	Network Rail
A95 10	LOCHVAA NEW RAIL O/B	BR 290/224-1	Network Rail
A96 220	INVERAMSAY RAIL O/B	A96 60	Network Rail
A96 290	HUNTLY RAIL O/B	2BR A96/290 & RE2/B/212/20	Network Rail
A96 350	KEITH/DUFFTOWN RAIL	Unknown	Network Rail
A96 380	HAUGHS RAIL	Unknown	Network Rail
A96 480	ALVES NEW RAIL	Unknown	Network Rail
A96 481	ALVES OLD RAIL	Unknown	Network Rail
A96 530	NAIRN NEW RAIL O/B	2BR A96/530	Network Rail
A96 550	GOLLANFIELD RAIL	Unknown	Network Rail

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A96 580	STONEFIELD 1 RAIL	Unknown	Network Rail
A96 590	STONEFIELD 2 RAIL	2BR A96/590	Network Rail
A985 40	CAIRNEYHILL RAIL	2BR A985/40 & RE2/B/212/20	Network Rail
A985 50	LOCHYMUIR RAIL O/B	2BR A985/50 & RE2/B/212/20	Network Rail
M90 2-2 10	M90 OVER A823M +RLWY	BR 112/2A	Network Rail
M90 3-4 10	HALBEATH RAIL	BR 112/18AA	Network Rail
M90 9-10 8	RAILWAY	BR 110/34A	Network Rail
M90 10-11 55	FRIARTON	BR 134/32E	Network Rail
M823S 0-0 20	M90 NB - A823M WB SR	BR 112/2B	Network Rail
A90 740	CARRON BRIDGE	RE2/B/212/20	Local Authority

Notes:

1. The bridge agreements for the Structures are held by the Director.

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Attachment 4.7 List of Structures Subject to Assessment and Upgrading of Vehicle Parapets to CS461 Assessment and upgrading of in-service parapets

Attachment 4.7 Structures Subject to Assessment and Upgrading of Vehicle Parapets

Structure	
Reference No.	Name
A9 180	Blackford Rail
A9 250	Shinafoot
A90 1040 C90	Anvil Cottage
A90 1050 C40	Whitehillock
A90 1050 C75	Spillarsford
A90 200	Glencarse O/B
A90 290	Coupar Angus I'CH West
A90 300	Coupar Angus I'CH. East
A90 310	Kings Cross I'CH West
A90 320	Kings Cross I'CH East
A90 500	Lemno Southbound
A90 600	Keithock Farm
A92 130	River Ore
A95 160	Allochy
A95 200	Fiddich
A95 200 C79	Balnellan
A95 60	Congash
A95 80	Cromdale
A96 0 W73	Auchmill Retaining Wall
A96 160	Upperboat O/B

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A96 260	Bainshole
A96 300	Bogie
A96 380	Keith Haughs Rail
A96 400	Rumbuch
A96 410	Fochabers New
A96 480	Alves Rail New
A96 520	Brodie
A96 580	Stoneyfield 1
M90 10-11 55	Friarton
M90 11-11 10	Friarton U/B
M90 3-4 10	Halbeath Rail
M90 4-5 35	Blairbathie mine
M90 4-5 36	Blairadam House U/P
M90 4-5 50	North Blair U/P
M90 5-6 12	Gairney Water
M90 7-8 15	Fochy Burn
M90 7-8 55	Hatton Burn OB
M90S 8-8 10	Arlary
M90 8-8 20	Cuthilmuir
M90 9-10 8	Bridge of Earn Rail

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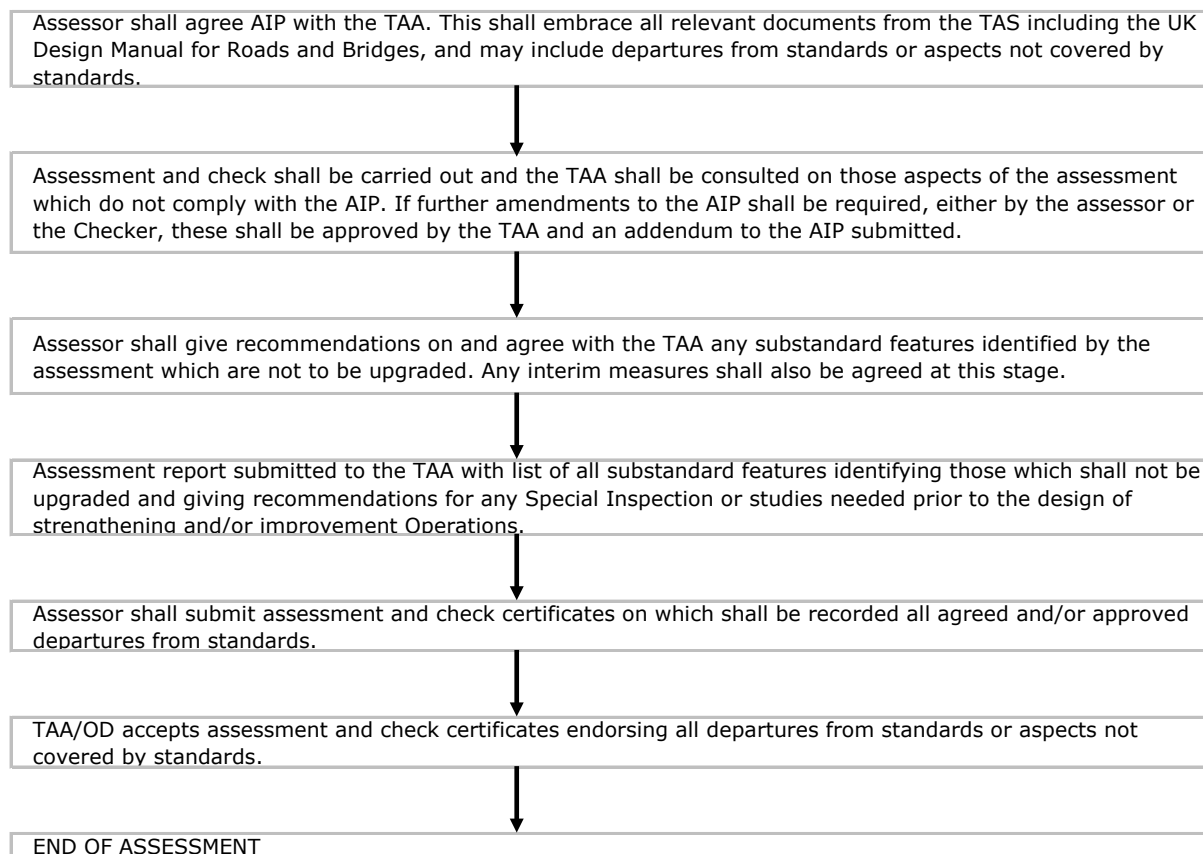
Attachment 4.8 List of Structures to Identification of 'Particularly at Risk' Supports to CS453 The Assessment of Highway Bridge Supports

Attachment 4.8 Structures to Identification of 'Particularly at Risk' Supports

Structure			
Reference No.	Name	Group	Comments
M90 5-6 F8	FRUIX F/B	3	
M90 8-9 20	DRUNZIE O/B	3	
A90 360 F	FINTRY F/B	3	
A92 235 F	PRESTON F/B	3	
A96 460 F	ALEXANDRA WAY F/B	3	
A96 490 F	SUENO'S F/B	3	
A90 760	SLUG ROAD O/B	3	
A90 800	NEWTONHILL O/B	3	
A90 840	PORTLETHEN O/B	3	
M90 5-5 10	GAIRNEY O/B	3	
M90 6-7 50	GALLOWHILL O/B	3	
M90 7-7 10	HILTON O/B	3	
M90 8-9 85	DRON O/B	3	
M90 9-10 55	MONCRIEFFE HOUSE O/B	3	
A96 130	FOREST ROAD O/B	3	

Attachment 4.9 Technical Approval Procedures for Assessment of Structures in Scotland

Table 4.9.1 Technical Approval of Structures in Scotland



Notes

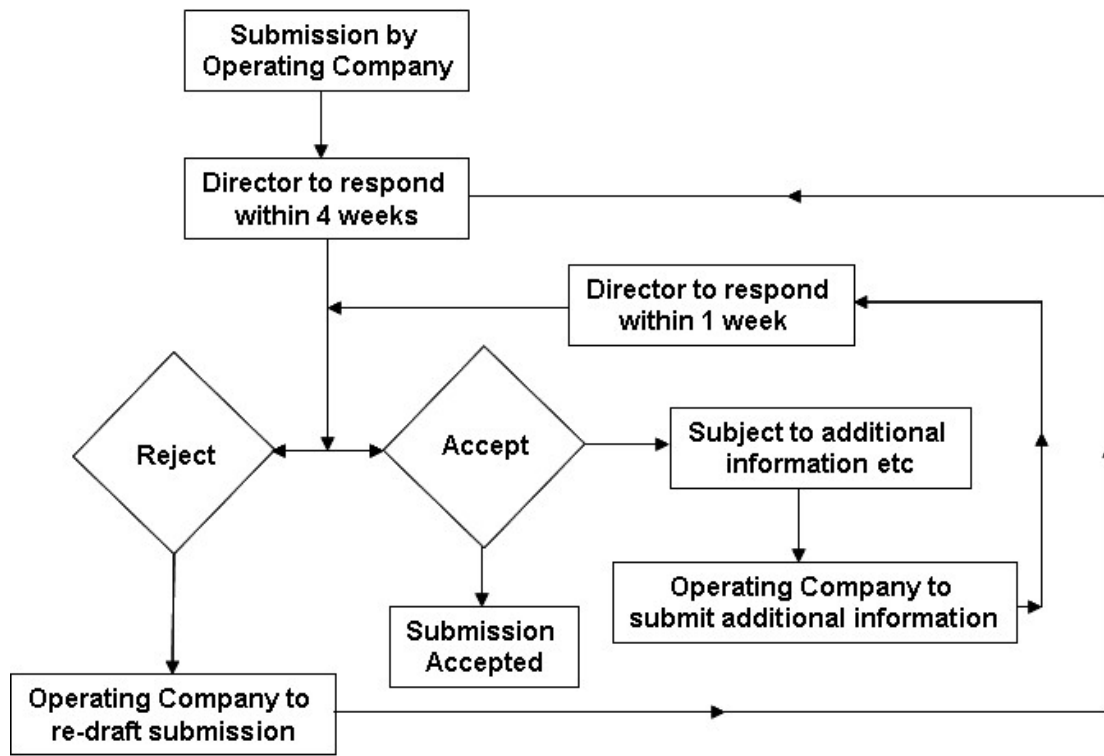
Assessment includes:

1. Load carrying capacity of deck and substructure
2. Parapets
3. Pier impact resistance
4. Safety fencing
5. Visibility
6. Vertical and Horizontal Clearances
7. Central reserve, carriageway, footway, and verge provision
8. Scour risk
9. All other aspects relative to the AIP
10. For strengthening and or improvement works, Technical Approval procedures shall be the same as for new Structures.

Abbreviations:

- TAA = Technical Approval Authority
TAS = Technical Approval Schedule
AIP = Approval in Principle
OD = Overseeing Department

Figure 4.9.1.A – Flow Chart for Departures from Standard or Aspects not Covered by Standards



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Attachment 4.10 List of Sub-Standard Structures with Structural Assessments in Progress

Table 4.10.1 Sub Standard with Structural Assessments in Progress

None.

Attachment 4.11 List of Sub-Standard Structures

Table 4.11.1 Sub-Standard Structures

Structure		
Reference No.	Name	Details
M90 3-4 15	Netherbeath	Main spans capable of carrying full HA loading, however central piers on M90 are not able to sustain axial loading due to collision load effects
M90 4-4 10	Cocklaw	Main spans below carriageway capable of carrying full HA loading, however service bay cover slabs have only a 3 Tonne AWL capacity which is Sub Standard
A9 110	GreenLoaning	Assessed as 40/44 T HA and 26 units HB, classed as Sub-standard
A92 180	Woodside Road	Main deck below carriageways capable of carrying full HA loading, however classed as Sub-standard due to insufficient shear capacity by overloading of the verge
A95 170	Craigellachie 1	Main span below carriageway capable of carrying full HA loading, however service bay cover slabs have only a 3 Tonne AWL capacity. Service bay is not subject to loading

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		under normal movement of traffic, therefore low risk. Parapets Sub-standard for impact loading
A95 250	Tauchers	Main deck carrying road satisfactory for full HA loading, however edge beams can only carry 7.5 Tonne under accidental wheel loading.
A96 409	Fochabers Old	Assessed capacity less than 7.5 Tonne and classed as Sub-standard

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Attachment 4.12 List of Structures with Known Defects Requiring Monitoring that are Sub-Standard

Table 4.12.1 Structures with Known Defects Requiring Monitoring that are Sub-Standard

Structure Reference	Structure Name	Monitoring				Comment
		Interim Measures	Class	Interval	Details	
M90 3-4 15	Netherbeath	Piers protected by VRS	1	2 yearly	Monitoring at PI and GI inspections	T.B.C
M90 4-4 10	Cocklaw	None	1	2 yearly	Monitoring at PI and GI inspections	T.B.C
A9 110	Greenloaning	Parapets protected by VRS	1	2 yearly	Monitoring at PI and GI inspections	
A92 180	Woodside Road	None	1	2 yearly	Monitoring at PI and GI inspections	
A95 170	Craigellachie 1	None	1	2 yearly	Monitoring at PI and GI inspections	
A95 250	Tauchers	None	1	2 yearly	Monitoring at PI and GI inspections	
A96 409	Fochabers	No vehicular Traffic	1	2 yearly	Monitoring at PI and GI inspections	

Attachment 4.13 List of Structures with Known Defects Requiring Monitoring that are Not Sub-Standard

Table 4.13.1 Structures with Known Defects Requiring Monitoring that are Not Sub-Standard

Structure Number	Structure Name	Monitoring				
		Interim Measures	Class	Proposed Interval	Details	Comment
A90 920 C50	Mundurno Burn	None	1	Annually	Crack monitoring on walls and soffits	
A90 980	Ythan	None	2	2 yearly	Potential readings taken from box on top of NW pier	
A96 560 C80	Milton Burn	None	1	Annually	Crack monitoring on top slabs	
A96 275	Agricultural UP	None	2	2 yearly	Potential readings of sheet piles	
A92 210	River Leven	None	1	6 yearly	Crack monitoring	
M90 10- 11 55	Friarton Bridge	None	1	Annually	Crack monitoring to cross members Pier 6 and Pier 7	

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Attachment 4.14 Strengthening & Replacement Programme for the Sub-Standard Structures

Table 4.14.1 Strengthening & Replacement Programme for the Sub-Standard Structures

None.

Attachment 4.15 Structures with Particular Requirements

4.15.1 Structures with Particular Requirements

The Structures listed within the table below have particular requirements which the Operating Company shall carry out in addition to those duties set down in Schedule 2 – Scope, Section 4 – Inspection and Maintenance - Structures. These requirements shall be read in conjunction with the bridge maintenance and operations manuals in Attachment 4.16 following this section.

Table 4.15.1 – Structures on the Trunk Road

Structure Reference Number	Structure Name
M90 10-11-55	Friarton Bridge

4.15.2 Friarton Bridge

Constructed in 1978 this structure shown in Figure 4.15.2.A and whose location is denoted within Figure 4.15.2.B comprises 9 spans with an overall length of 831m with including a main river span of 174 metres and carries the M90 over the River Tay. The superstructure comprises a steel box and composite concrete deck upon reinforced concrete columns with concrete end abutments. The deck supports two 7.3 metre carriageways along with a median and two access verges.

Figure 4.15.2.A – M90 10-11 55 Friarton Bridge

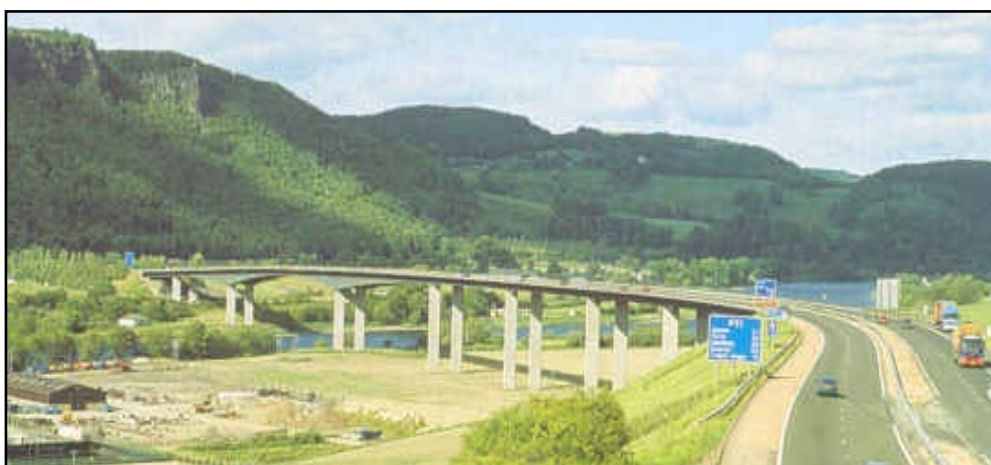


Figure 4.15.2.B – Friarton Bridge Location Map



4.15.3 Requirements for the M8 10-11 55 Friarton Bridge

In addition to street lighting and hazard warning lights at deck level there are electrical installations on the structure that require inspections and maintenance in connection with the following:

- (i) Lighting and miscellaneous power supplies within the box girders.
- (ii) Navigation Lights.

4.15.4 The Operating Company is advised that it is not intended to replace the maintenance gantry that originally provided access to the underside of the bridge superstructure. Therefore for inspections and maintenance below the deck level, an alternative means of access to the underside of the bridge including the bearings is now required.

In addition to the requirements of Schedule 2 – Scope, Section 4 – Inspection and Maintenance - Structures, the Operating Company is advised that the year in which the first inspection shall be due shall be as referred to in this annex.

Table 4.15.4.A – PI/GI Inspection Dates

Bridge Number	Bridge Name	Date of last PI/GI (most recent)	Date of next PI	Date of next GI
M8 10-11 55	Friarton Bridge	2021 GI	2025	2023

Table 4.15.5 Structures Requiring a Wind Management Plan

Item	Structure Requiring Wind Management Plan
1	Friarton Bridge

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Attachment 4.16 Documents for Structures with Particular Requirements

Table 4.16.1 Friarton Bridge Document Register

Item	Drawing title
1	Inspection and Maintenance Manual for Structure July 1984
2	Inspection and Maintenance Manual for Electrical Installation July 1984
3	Bridge Improvements Contract 1995 to 1996 - Health & Safety File - Appendix E Drawings
4	Bridge Improvements Contract 1995 to 1996 - Health & Safety File - Appendix F Volume 1 Maintenance Manuals
5	Bridge Improvements Contract 1995 to 1996 - Health & Safety File - Appendix F Volume 2 Maintenance Manuals
6	Bridge Improvement Contract - Health & Safety File May 1998

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Table 4.17.1 - Structures with Bridge Access Gantries and or Runway Beams

Structure		Access Gantry	Runway Beams	Comments
Reference No.	Name			
A96 410	Fochabers New Bridge	No	Yes	Not used since first installed.
M90 9-10 25	Earn	No	Yes	Not used since first installed.

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Attachment 4.17 Structures with Bridge Access Gantries & or Runway Beams

Table 4.17.2 Structures with Bridge Access Gantries and or Runway Beams To Be Certified At All Times

None.

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Attachment 4.18 List of Bridges with Signed Low Headroom

Table 4.18.1 List of Bridges with Signed Low Headroom

Structure		Actual Minimum Headroom
Reference No.	Name	
A96 220	Inveramsay Rail O/B	Signed headroom 14' 6" and 4.4m
A96 290	Huntly Rail OB	Signed headroom 16' 9" and 5.1m

Attachment 4.19 List of Structures Subject to Frequent Bridge Strikes with Dates of Incidents Since 2001

Table 4.19.1 Structures Subject to Frequent Bridge Strikes

Structure			
Reference No.	Name	Damage Description	Date
A9 320	Crieff Road	Concrete soffit damage	25 June 2003
A92 80	Cardenbarns	Minor damage	27 June 2005
A96 460 F	Alexandra Way F/B	Concrete soffit damage	29 June 2005
A9 110	Greenloaning	Damage to steel beams	14 September 2005
A96 160	Upperboat	Damage to steel beams and concrete soffit	01 October 2005
A9 310	Old Gallows Road	Concrete soffit damage	10 November 2005
A92 20	Cowdenbeath IC	Concrete soffit damage	21 March 2006
A92 170	Lochtyside O/B	Concrete soffit damage	08 August 2006
A9 110	Greenloaning	Steel Beam Damage	18 January 2007
A823(M)	Pitreavie Slip Road	Concrete soffit damage.	23 June 2007
A92 20	Cowdenbeath IC	Concrete soffit damage.	19 September 2007
A92 170	Lochtyside O/B	Concrete soffit damage.	19 October 2007
A9 320	Crieff Road	Concrete repair.	22 July 2008

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A92 20	Cowdenbeath I/C		01 May 2009
M823 0-0 50	Accommodation Bridge	Concrete repair.	01 May 2009
A92 20	Cowdenbeath I/C	Concrete soffit damage at previous repair area	26 January 2012
A96 460F	Alexandra Way F/B	Minor Concrete Damage	30 May 2012
A9 320	Crieff Road	Damage to edge beam at the west side of the structure, damaging two of the prestressing strands rendering it unable to sustain the full 40 tonne assessment loading.	22 August 2012
M90 10-10 65	Callerfountain	Minor Damage	14 January 2013
M90 8-8 20	Cuthilmuir	Minor Damage	12 April 2013
A9 50F	Old Doune Road F/B	Minor Damage	23 April 2013
M90S 10-10 60	A912 Over M90S NB SR	Minor Damage	17 May 2013
A90 850	Charlestown O/B	Minor Damage	01 June 2013
A90 290	Coupar Angus W	Minor Damage	13 June 2013
A90 300	Couper Angus E	Minor Damage	13 June 2013
A90 310	Kings Cross West O/B	Minor Damage	13 June 2013
A90 320	Kings Cross East O/B	Minor Damage	13 June 2013
A90 480	Quilkoe Bridge	Minor scrape to soffit	05 December 2014

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A90 320	Kings Cross East O/B	Minor scrape to soffit	09 March 2015
A92 20	Cowdenbeath I/C	Edge beam concrete broken off - prestressing exposed, but not broken.	13 May 2015
A96 460F	Alexandra Way F/B	Edge beam concrete broken off. Height at strike location 5.58m	29 June 2017
A9 110	Greenloaning	Minor dent in edge beam	11 April 2018
A9 200	Glencarse O/B	Major damage to two steel beams over EB carriageway	31 October 2019
A90 555	St Ann's O/B	Damage to cantilever edge beam and parapet system	17 December 2019

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Attachment 4.20: Bridge Strike Form

Operating

Company:

Unit:

Route:

Structure:

Structure Name:

Date:

Provide data from the following fields from the contract control and management function of the Asset Management Performance System:

- 1 Unique damage identifier
- 2 Route number
- 3 Date and time of the Incident
- 4 Source of this information
- 5 Date and time Operating Company became aware of Incident
- 6 Location, link, section, chain age & Ordinance Survey grid reference
- 7 Structural reference number
- 8 Type and extent of damage
- 9 Cause of damage
- 10 Are proceedings being taken by Police Scotland
- 11 Date emergency work was carried out

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- 12 Who carried out emergency work
- 13 Weather conditions
- 14 Any other relevant information