

Memo



TO: Chief Administrative Officer

SUBJECT: Road and Sidewalk– Capital List

DATE: October 18, 2021

FROM: Superintendent, Public Works and Engineering Services

Background

It is critical that an updated municipal infrastructure be considered a pre-requisite if the Town is to benefit from economic and social development. If the municipal infrastructure is not maintained and properly updated and financed on a timely basis, the result can well be costly. The inability to finance on our own wholly, the underground infrastructure, the sewer main and sewer system upgrades and the deficiency in our underground sewer and water systems and the road and sidewalk infrastructures are cases in point.

Well-maintained roads, sidewalks and parks not only help improve personal mobility and access needs on the road network but help beautify the Town if coupled with “green infrastructure”.

The Town’s Street network consists of Highway, Main Street, Collector and Local Street classifications. Key major streets include South Shore Road, North Shore Road, King George Street, Sahtlam Avenue and Point Ideal Drive. Each street classification plays an important role in the overall network, generally with the more major roads focused on moving traffic and the local streets primarily providing access.

The OCP clearly identifies the following policies about the transportation requirements of the Town of Lake Cowichan:

- 1) Upgrade on an on-going basis the existing street network to meet current municipal standards.
- 2) Adopt “complete street” standards to ensure safe access for all transportation modes and for people of all capabilities.
- 3) Build a comprehensive network of safe pedestrian and bicycle facilities using Town funds, grant funds and developer required improvements in accordance with applicable Town Bylaws. The annual capital budget shall include a line item specifically for replacing and updating sidewalks.
- 4) Improve pedestrian connections throughout the Town, along watercourses and in residential areas.
- 5) Ensure safe access for all is provided in the design and modification of all streets, sidewalks, and pathways.

- 6) Advocate to the Province for a second crossing of the Cowichan River in order to enhance public safety with an emergency access point.
- 7) Coordinate with the Province and private property owners for re-routing logging truck traffic from South Shore Road/ Lake Cowichan Highway.
- 8) Encourage the continued expansion of the Regional Transit system within the Town, to provide service to the surrounding communities as well as to Duncan.
- 9) Create an Active Transportation Plan by 2020 which has been accomplished in 2021.

Strategy for Town Road Improvements

1. High density traffic areas should be given priority if in need of upgrades.
2. Road work upgrades should be undertaken in conjunction with improvements to water mains, sewage, or storm lines
3. Roads should not deteriorate to the point of needing re-construction.
4. Preventative maintenance activities should be utilized to extend the life of the asset.
5. Ensure safe access for all is provided in the design and modification of all streets, sidewalks.


Roads for Future Improvements

Road	Start	Finish	Type of Road	Length	Reason for Priority	Estimates for Construction Only	Suggested Planned Year
Nelson W.	South Shore	Coronation	Local	60 m	Very poor condition	54,000	2022
Poplar	Sahtlam Road	Cowichan Ave.	Local	100 m	Pavement alligator cracking. Poor shape	216,000	2022
Oak Lane	McDonald Road	Neva Rd.	Local	147m	Asphalt poor condition, require water control	94,000	2022
Stone Rd	South Shore Road	Alder Road	Local	300 m	Cracking and beginning to deteriorate	216,000	2026
Wilson Rd	North Shore Rd	Grosskleg Way	Local	70 m	Road is cracking. Heavy machinery route. Busy route.	50,400	2024
Stone Rd	Hemlock Entrance		Local	20 m	Heavy cracking. Steep incline.	14,400	2025
River Road	North Shore Rd.	To new asphalt	Local	40m	Heavy cracking. Steep incline.	45,000	2022
Savoy Rd.	Tern Rd.	Wilson	Local	147	Asphalt all broken up, requires water control	94,000	2023
Greendale Road	Cowichan Lake Rd	Town Boundary	Local	800	Road in poor condition will require repaving	610,000	2024

Future Plans							
King George St	South Shore Road	Round-about	Collector	250 m	High profile road. Beginning to crack.	180,000	2024
North Shore Road	Wilson St	Town limit	Collector	1 km	Road is cracking. Clay sub-base will continue to deflect. Increased traffic due to FN Development.	720,000	2023

Conclusion

The foregoing will help determine our future road capital requirements. Also, attached is a sidewalk upgrade list.


 Jas Sandhu

Street Name	From	To	Length (m)	Width (m)	In Service	Priority
Park Rd.	North Shore Rd.	River Rd.	300	1.22	1960	
River Rd.	Park Rd.	North Shore Rd.	100	1.22	1980	
River Rd.	North Shore Rd.	Elk Rd.	200	1.50	1980	
North Shore Rd.	Wilson Rd.	South Shore Rd.	400	1.50	1990	
Stone Ave.	South Shore Rd.	Stevens Cres.	500	1.22	1985	
Stone Ave.	Stevens Cres.	Sahtlam Ave.	70	1.22	1985	
Stone Ave.	North of Stevens Cres	Ravine to Hemlock	180	1.22	2009	
Fir St.	Stone Ave.	Larch St.	55	1.22	1950	
Larch St.	Fir St.	Hemlock St.	100	1.22	1950	
Larch St.	Hemlock St.	Arbutus St. E.	76	1.22	1950	
Arbutus St.	Larch St.	Alder St.	300	1.22	1950	
Alder St.	Stone Ave.	Arbutus St. W.	39	1.22	1950	
Cowichan Ave.	South Shore Rd.	Coronation St.	400	1.22	1950	
Cowichan Ave.	Coronation St.	King George St.	94	1.22	1950	
Coronation St.	Cowichan Ave. W.	Nelson Rd. W.	74	1.22	1970	
Wellington Rd.	Nelson Rd. W.	Riverside Dr.	339	1.22	1998	
Riverside Dr.	Wellington Rd.	King George St.	227	1.22	2008	
Renfrew Ave.	King George St.	Coronation St.	100	1.22	1975	
Coronation St.	Renfrew Ave.	South Shore Rd.	91	1.22	1970	
Coronation St.	Renfrew Ave.	Lakeview Ave.	77	1.22	2016	
Lakeview Ave.	Coronation St.	King George St.	100	1.22	1990	
King George St.	South Shore Rd.	Cowichan Ave.	218	1.22	1990	
Sahtlam Ave.	Roundabout	Poplar St.	100	1.22	1982	Done
Poplar St.	Sahtlam Ave.	Cowichan Ave.	33	1.22	1950	
Sahtlam Ave.	Poplar St.	Pine St.	143	1.50	1982	
Grants Lake Rd.	Somenos St.	Natara Place	254	1.22	1992	
Grants Lake Rd.	Somenos St.	Natara Place	60	1.50	1992	
Cowichan Ave. E.	Roundabout	Poplar St.	88	1.22	1950	
Cowichan Ave. E.	Poplar St.	Pine St.	146	1.50	1950	
Cowichan Ave. E.	Pine St.	Cottonwood St.	145	1.22	1950	
Cowichan Ave. E.	Cottonwood St.	Somenos St.	146	1.22	1950	
Somenos St.	Sahtlam Ave.	Cowichan Ave. E.	80	1.22	1950	
Somenos St.	Cowichan Ave. E.	Quamichan Ave.	77	1.22	1950	
Somenos St.	Quamichan Ave.	Nitinat Ave.	81	1.22	1950	
Quamichan Ave.	Cottonwood St.	Somenos St.	145	1.22	1990	
Quamichan Ave.	Somenos St.	Boundary Rd.	46	1.22	1995	
Boundary Rd.	Cowichan Ave. E.	Quamichan Ave.	67	1.22	1995	

Cowichan Ave. E.	Somenos St.	Boundary Rd.	20	1.22	1950	
Cottonwood St.	Quamichan Ave.	Nitinat Ave.	77	1.22	1950	
Centennial Hall			66	1.22	1950	
Sall Rd.	South Shore Rd.	end	100	1.22	1975	
Johel Rd.	#147 Johel Rd.	Kwassin Cres.	67	1.50	1970	
Johel Rd.	Kwassin Cres.	Chappell Cres.	41	1.50	1970	
MacDonald Rd.	110-140 MacDonald		43	1.22	2009	
MacDonald Rd.	Cowichan Lk. Rd.	Oak Lane	200	1.22	1965	
MacDonald Rd.	Oak Lane	end	100	1.22	1965	
Neva Rd.	Cowichan Lk. Rd.	Oak Lane	200	1.22	1980	
Neva Rd.	Oak Lane	Madill Rd.	200	1.22	1980	
Cottonwood St.	Sahtlam Ave.	Cowichan Ave.	30	1.22	1950	
Cottonwood St.	Sahtlam Ave.	Comiaken Ave.	78	1.22	1950	
Boundary Rd.	Comiaken Ave.	end	185	1.22	1995	
Comiaken Ave.	Boundary Rd.	Cottonwood St.	138	1.22	1985	
Comiaken Ave.	Cottonwood St.	Pine St.	140	1.22	1985	
Cottonwood St.	Cowichan Ave. E.	Quamichan Ave.	60	1.22	1950	
Nitinat Ave.	Cottonwood St.	Somenos St.	154	1.22	1992	

Total Length	8,280
--------------	-------