**SIRA ROADS, DRAINAGE, PARKS AND RESERVES**

**BIG PICTURE – MOVING FORWARD**

**Overarching Objectives**

* All roads must have in-built drainage
* Safe pedestrian and disabled access to wharves and facilities
* Traffic Management Plan requires a fully functional **Ring Road**
* Integrated management plans for Parks and Bushland - Initial focus Catherine Park
1. **Roads and Drainage**

1.1 **Capital Works**

* David Munday, Senior Project Engineer, Engineering and Delivery
* Stephen Watson, Team Leader, Stormwater Floodplain Planning and Response
* Dean McNatty, Team Leader, Stormwater Operations and Planning
* Duncan Howley, Team Leader, Floodplain Planning and Response (for John Heponstall)
* Tham Siearasa, Senior Engineer, Road Assets
	+ 1. Catherine Park Ring road – to include water bars, cross fall, sealing to include drain, management of stormwater flows across park and outfall, parking allocation including barriers and signage
		2. Cecil Street along Richard Road
		3. Depot – survey and consultation with neighbours
1. **Maintenance**
* Grant Tighe, Manager, Construction and Maintenance
* Gene Walker, Field Supervisor, Maintenance
* Pino Nero, Site Supervisor
	1. See reference table
1. **Paths**
	1. Inventory of paths to ensure safe pedestrian travel (particularly fire egress and access to wharves)
	2. Fitzpatrick Avenue steps
		1. maintenance on steps especially at the intersection of Thompson Street and Fitzpatrick Avenue
		2. Fix drainage at intersection to Thompson Street
	3. Catherine Park disabled access to Hall and park
	4. Eastern Wharf
2. **Parks and Reserves**
* Chris Kraus, Coordinator Bushland Management
* Chris Munro, Manager Bushland Biodiversity
* Steve Lawler, Executive Manager, Parks and Recreative
	1. Overarching management plans with liaison between parks and reserves and roads and drainage teams
	2. Catherine Park
		1. Maintenance of bushland
		2. Restoration/landscape planning for entrance
	3. Leahvera Reserve – General and contractor use, indigenous land mark protection
1. **Traffic Management Plan**
* Phil Devon
	1. Ring Road - Reference table
		1. Complete drainage works and reinstate or seal all surfaces
		2. Identify and mark all turning and parking areas

**CAPITAL WORKS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Item** | **Location** | **Issue** | **Need** |
| 2019 | “J” & “I”:  | Cecil Street to Richard Road Chainage 330 to 400 | Drainage and easement | Design and constructConfer with property owner |
| 2019 | “V”: Catherine Park ring road  | Catherine Park ring roadUnder Traffic Management Plan – Complete ring road | Design to control stormwater erosion of road into Catherine ParkParking for vehicles below fire shed and disabled park at Tennis Court Wharf | Drainage, cx fall, seal, waterbars Designate parking, provide signage and limit general access  |
| 2019 | Council Depot | Kevin Avenue | Complete works area | Design, construct Consult with neighbours |
|  | “X”: Florence Terrace | Chainage 600 to 675 and Chainage 50 to 70 | Stormwater erosion and runoff | Fix drainage and seal |
|  | “Y”: Robertson Road  | Chainage 1170 to 1346Under Traffic Management Plan – Complete ring road | Stormwater erosion and runoff | Fix drain restore road level and cx fall Seal road and drain as one |
|  | “Z”: Elizabeth Park Use of Elizabeth Park for access/parking of commercial equipment |  | Access for residents where no road access exists (design and gazette)Ensure continued safe access for vehicles and pedestrians Manage stormwater runoff and control erosion from top of Catherine Park catchment | Fix drainage, control erosionRationalise vehicle use and access through the reserve |
| 2019 | S, D, P, U, T, E, G Capital works |  | Under MaintenanceConsider as watch and wait |  |

**MAINTENANCE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Priority** | **Item** | **Location** | **Activity****clean drain + spray road verge - as required** | **Reseal patch** | **Water bar** |
| Now | Catherine Park below Kevin Avenue | Swale below drain, sediment basin | X remove silt swale and basin (need excavator) |  |  |
| Now | Florence Terrace intersection to Kevin Avenue | Chainage 0 to 70 | XLargely blocked | X Patch seal | X ensure water bars are functional |
| Now | Florence Terrace adjacent to drain | Chainage 800 | X |  |  |
| Now | Kevin Avenue |  | X | X patch/reseal |  |
| Now | Kevin Avenue to Elizabeth Park | Chainage 100 to drain (identified as S in Capital works) |  |  | X Not reinstated in 2018 Capital works |
| Now | Thompson Street uphill of Kevin Avenue | Chainage 25 to 160 (includes D of Capital works) | X clean drainage line |  | X ensure water bars are functional Chainage 25 to 75 |
| Now | Thompson Street at Harold Avenue junction | Chainage 490 to 575 | X | X Patch seal surface | X Chainage 490raise water bar and clean outlet(functions poorly) |
| Now | Hilda Avenue |  | X | X patch sealed surface |  |
| Now | Richard Road Hilda Avenue to Cargo  |  | X |  |  |
| Now | Cargo  | Intersection Robertson Road (identified as P in Capital works) |  |  | X one water bar either side of wharf access |
| Soon | Robertson RoadAbove Yamba | Adjacent to G Capital works |  |  | Reshape broadening (too sharp) |
| Soon | Florence Terrace above Pathilda Reserve | Chainage 300 to 400 (includes U as identified in Capital works) | X |  |  |
| Soon | Thompson Street | Chainage 160 to 490 (includes T of Capital works) | X clean sealed drainage line and drain at Chainage 160 |  |  |
| Soon | Thompson Street between Cecil Street and Hilda Avenue |  | X |  |  |
| Future | Robertson Road | Chainage 925 to 975 (houses 8 to 10) |  | X seal to complete ring road(joins sealed sections) |  |
| Future | Robertson Road to Quarterdeck | Chainage 1050 to 1170 | X | X seal to complete ring road(joins sealed sections) |  |
| Future | Robertson Road to Catherine Park | Chainage 1170 to 1340 |  | X seal to complete ring road(joins sealed sections) |  |
| Future | Richard Road  | Chainage 80 to 260 |  | X seal to complete ring road(joins sealed sections) |  |

Shared zone parking in bay

Enforcement

Alternative surfaces and additional funding

Meeting with Rob re funding anything we can help with

Asphalt and spray seal, gravel with a binder

cold and hot mix work well

Note fortinightely meeting with heads of engineering Grant Tighe

Signage for a shared zone

Maintain emphaisis on drainage and a continuous surface

Survey by lazer drone

Water police

Managing parking enforcement next visit compliance , assets team

Examples for driveways

Improvement hand in hand with enforcement note is it a passing bay or a turning bay

Finishing

Time line for buggies definite requirement for buggies what Is allowed and what not eg tire pattern

Front wheel drive vehicles, need for island permit, all vehicles will require a permit

What u should by as a vehice

Conversation with parks via Trudy seymor

Fact sheet 4 wk april, management plan approved, audit may prior to anzac dayover 2 days with water police week of 15th, RMS instections arrange with vehicle inspectors (first or 2nd week of may), status report and then issue report and then permits RMS conditional certificate, possible conditional permit until registered, fact sheet include CTP aviallable financial support easywith access (roll bar bolt on option, braking hand brake standard, option of perspect for windshield, removal of buggies barge during audit, trailers and motor bikes

Implementing traffic managagement plan regarding roads

Parking below fireshed edge bar, ring road parking present and signed