

| ID002                | MAINTENANCE OF SHIRE ROADS, STATION ACCESS ROADS AND STATION AIRSTRIPS |                                         |                      |
|----------------------|------------------------------------------------------------------------|-----------------------------------------|----------------------|
| POLICY OWNER:        | Council                                                                |                                         |                      |
| DEPARTMENT:          | Infrastructure Services                                                |                                         |                      |
| CREATION DATE:       | 13/02/2023                                                             | REVIEW SCHEDULE:                        | Annually             |
| RELATED PROCEDURES:  |                                                                        |                                         |                      |
| RELATED FORMS:       |                                                                        |                                         |                      |
| RELATED DELEGATIONS: |                                                                        |                                         |                      |
| RELATED POLICIES:    |                                                                        |                                         |                      |
| LEGISLATION:         | S3.1 Local Government Act 1995                                         |                                         |                      |
| DOCUMENT CONTROL     |                                                                        |                                         |                      |
| DATE REVIEWED:       | REVIEWED BY:                                                           | CHANGES (IF ANY):                       | ENDORSED BY COUNCIL: |
| 13/02/2023           | EMIS                                                                   | Major Rewrite                           | 28/02/2023           |
| 28/05/2024           | Council                                                                | Minor Changes: Refer to Council Minutes | OCM 12/05/24         |

## ID002 Maintenance of Shire Roads, Station Access Roads and Station Airstrips

### OBJECTIVES

To provide guidance on the operation, maintenance and renewal of unsealed roads within the Shire of Carnarvon. Many unsealed roads facilitate travel between significant public destinations including destinations that may be outside Shire boundaries. Roads providing access to pastoral stations are also guided by the policy.

### POLICY STATEMENT/S

#### Definitions

*Road Hierarchy – a system of categorising roads according to their function and capacity.*

*Unsealed Road – any road that does not have a sealed (bitumen, asphalt or concrete) running surface.*

*Formed Road – These roads are desirably designed to the appropriate geometric standards and adequate drainage is provided.*

*Unformed Road - These are non-engineered roads that simply consist of a track that is cleared of vegetation.*

*Paved Road - These roads are designed to appropriate geometric standards with adequate drainage provided. A layer of imported granular material, compacted to the required thickness should be provided to support the estimated traffic loads.*

#### General

The ongoing operation and maintenance of unsealed roads is important for providing a safe and sustainable road network.

Unsealed Operation and maintenance work includes but is not limited to:





Routine maintenance - Minor repairs in response to specific pavement, signage or drainage defects.

Maintenance Grading - Grading to maintain unsealed road surface conditions by reducing roughness and improving crossfall shape. May be completed with and without compaction and watering.

Resheeting – Asset renewal works being addition of gravel to the unsealed road surface, compacting and grading that material to maintain surface condition, reinstate crossfall shape and achieve wearing course design thickness.

Rehabilitation - Ripping of pavement, re-compaction and possible stabilisation and resheeting of the surface.

#### Unsealed Roads Funding

Current funding levels are *generally sufficient* for the Shire to carry out minimum Routine Maintenance and Maintenance Grading.

Current funding levels are *insufficient* for the Shire to carry out resheeting and rehabilitation works to the desirable level of asset preservation and improvement. These works will be subject to available funds and specific project funding allocations.

All annual budget allocations of unsealed road maintenance, renewal and upgrade expenditure shall be determined by Council having regard to this policy and the available funding.

#### Shire Road Classification

Unsealed Shire Roads are classified into the following four maintenance categories:

| Maintenance Category | Desirable Minimum Maintenance Grades Per Year | Desirable Minimum Resheet Frequency (years) | Comments/Considerations                                                                                                                                                                                                                                    |
|----------------------|-----------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                    | 2                                             | 10                                          | Highest maintenance standard. Roads in this category typically have the highest traffic volumes and/or highest service level requirement and will carry heavy vehicles. Typically provide a route between significant destinations/attractions/facilities. |
| 2                    | 1                                             | 20                                          | Intermediate Maintenance Standard. Roads in this category would typically have low to moderate traffic and/or service level requirements. Will typically provide links                                                                                     |

|   |   |   |                                                                                                                                                                       |
|---|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |   |   | between local areas and links to regional routes.                                                                                                                     |
| 3 | 1 | 0 | Lowest Maintenance Standard. Roads in this category would typically have low volumes of local only traffic and would provide service to a limited number of vehicles. |
| 4 | 0 | 0 | Road not Maintained and generally a "track." Very low traffic volumes. May be used for fire protection services and limited recreational activities.                  |

The following principles were used to assist in determining a classification of each unsealed road in the Shire inventory:

- Safety takes precedence over convenience.
- All stations will generally have one access maintained to the homestead to a category 2 standard.
- Only public infrastructure will be maintained i.e. not station airstrips, tracks or other accesses.
- That the road network maintenance priorities supports current and potential economic development including but is not limited to the agricultural, mining, and tourism sectors.
- That the Shire will be responsive to opportunities including but not limited to weather, funding, resource sharing, and resource availability and co-location.

The attached policy schedule lists:

- all unsealed roads in the Shire of Carnarvon road inventory;
- the desirable maintenance category classification for each road; and
- any special comments

#### Maintenance Category Amendment

Policy reviews will consider changes to the road network or traffic characteristics that may affect its maintenance category.

Ad hoc requests for amendment of the Maintenance Category for a particular road or roads requires a written request to be submitted to the CEO. Ad hoc requests will be referred to Council for consideration not more than twice in any fiscal year.



| Road                             | Length<br>(metres) | Desirable<br>Maintenance<br>Category | Standard<br>Maintenance<br>Grades Per<br>Year | Comments                   |
|----------------------------------|--------------------|--------------------------------------|-----------------------------------------------|----------------------------|
| ANDREOLI ROAD Total              | 150                | 4                                    | 0                                             | Not Maintained             |
| BANKSIA WAY Total                | 220                | 3                                    | 1                                             |                            |
| BASSETT WAY Total                | 12                 | 4                                    | 0                                             | Not Maintained             |
| BEACH ROAD Total                 | 2,850              | 3                                    | 1                                             |                            |
| BEJALING BEACH ROAD Total        | 4,600              | 4                                    | 0                                             | Not Maintained             |
| BIBBAWARRA ROAD Total            | 12,878             | 2                                    | 1                                             | Full length                |
| BOOLATHANA ROAD Total            | 4,550              | 2                                    | 1                                             | Owner maintains at present |
| BOOLOGOORO ROAD Total            | 500                | 2                                    | 1                                             |                            |
| BORE ROAD Total                  | 656                | 2                                    | 1                                             |                            |
| BULLARA - WINNING ROAD Total     | 29,280             | 3                                    | 1                                             |                            |
| BUSH BAY - NEW BEACH ROAD Total  | 8,395              | 2                                    | 1                                             |                            |
| BUSH BAY ROAD Total              | 31,980             | 3                                    | 1                                             |                            |
| CALLAGIDDY - MARRON ROAD Total   | 102,175            | 2                                    | 1                                             |                            |
| CALLAGIDDY ROAD Total            | 2,450              | 2                                    | 1                                             |                            |
| CAPE CUVIER ROAD Total           | 4,155              | 4                                    | 0                                             | Not Maintained             |
| CARATTI ROAD Total               | 145                | 4                                    | 0                                             | Not Maintained             |
| CARDABIA ROAD Total              | 2,055              | 4                                    | 0                                             | Not Maintained             |
| CAVENDISH STREET Total           | 720                | 3                                    | 1                                             |                            |
| COASTAL ACCESS ROAD Total        | 22,250             | 4                                    | 0                                             | Not Maintained             |
| COLLINS STREET Total             | 175                | 4                                    | 0                                             | Not Maintained             |
| COORALYA ROAD Total              | 8,410              | 2                                    | 1                                             |                            |
| CRAGGS COURT Total               | 46                 | 4                                    | 0                                             | Not Maintained             |
| DOORAWARRAH ROAD Total           | 3,680              | 2                                    | 1                                             |                            |
| DRUMMOYNE ROAD Total             | 180                | 3                                    | 1                                             |                            |
| DURMANICH ROAD Total             | 290                | 4                                    | 0                                             | Not Maintained             |
| DWYERS LEAP ROAD Total           | 570                | 4                                    | 0                                             | Not Maintained             |
| EDAGGEE - WAHROONGA ROAD Total   | 45,520             | 2                                    | 1                                             |                            |
| EDAGGEE STATION ROAD Total       | 1,425              | 2                                    | 1                                             |                            |
| ELLA VALLA - WINDERIE ROAD Total | 57,080             | 3                                    | 1                                             |                            |



| Road                                   | Length (metres) | Desirable Maintenance Category | Standard Maintenance Grades Per Year | Comments                             |
|----------------------------------------|-----------------|--------------------------------|--------------------------------------|--------------------------------------|
| ELLA VALLA ROAD Total                  | 345             | 2                              | 1                                    |                                      |
| FERNANDEZ ROW Total                    | 415             | 4                              | 0                                    | Not Maintained                       |
| FRENCH STREET Total                    | 140             | 4                              | 0                                    | Not Maintained                       |
| GILROYD ROAD Total                     | 1,020           | 4                              | 0                                    | Maintained by Gascoyne Shire         |
| GLADSTONE ROAD Total                   | 6,885           | 2                              | 1                                    |                                      |
| HARBOUR ROAD Total                     | -               | 4                              | 0                                    | Not Maintained                       |
| HENFRY STREET Total                    | 340             | 4                              | 0                                    | Not Maintained                       |
| HILL SPRINGS ROAD Total                | 18,820          | 2                              | 1                                    |                                      |
| HOLDEN STREET Total                    | 31              | 4                              | 0                                    | Not Maintained                       |
| HUDSON STREET Total                    | 130             | 4                              | 0                                    | Not Maintained                       |
| KADARAM ROAD Total                     | 220             | 4                              | 0                                    | Not Maintained                       |
| KENNEDY RANGE ROAD Total               | 35,580          | 4                              | 0                                    | Not Maintained                       |
| KOREAN STAR ROAD Total                 | 2,400           | 4                              | 0                                    | Not Maintained                       |
| LAWSON STREET Total                    | 1,480           | 3                              | 1                                    |                                      |
| LYNDON - MANGAROON ROAD Total          | 30,590          | 1                              | 2                                    |                                      |
| LYNDON - MAROONAH ROAD Total           | 41,840          | 4                              | 0                                    | Not Maintained                       |
| LYNDON - TOWERA ROAD Total             | 20,690          | 1                              | 2                                    |                                      |
| LYNDON HSTD ROAD Total                 | 2,315           | 2                              | 1                                    |                                      |
| MANBERRY ROAD Total                    | 14,960          | 2                              | 1                                    |                                      |
| MARDATHUNA - BINTHALYA ROAD Total      | 42,515          | 4                              | 0                                    | Not Maintained                       |
| MARDATHUNA ROAD Total                  | 69,580          | 2                              | 1                                    |                                      |
| MARGARET ROW Total                     | 1,279           | 4                              | 0                                    | Not Maintained                       |
| MARRON HOMESTEAD ROAD Total            | 1,080           | 2                              | 1                                    |                                      |
| MASSEY BAY DRIVE (TEGGS CHANNEL) Total | 920             | 3                              | 1                                    |                                      |
| MASSEY BAY ROAD Total                  | 780             | 3                              | 1                                    |                                      |
| MAUDS LANDING ROAD Total               | 3,630           | 3                              | 1                                    |                                      |
| MAYWOOD ROAD Total                     | 231             | 4                              | 0                                    | Not Maintained                       |
| MEEDO - PIMBEE ROAD Total              | 69,295          | 2                              | 1                                    | Category 2 to Homestead 4 thereafter |



| Road                                  | Length (metres) | Desirable Maintenance Category | Standard Maintenance Grades Per Year | Comments                                                         |
|---------------------------------------|-----------------|--------------------------------|--------------------------------------|------------------------------------------------------------------|
| MEERAGOOLIA ROAD Total                | 30,665          | 2                              | 1                                    | Category 2 to Homestead 4 thereafter                             |
| MIA MIA ROAD Total                    | 11,425          | 2                              | 1                                    |                                                                  |
| MIABOOLYA ROAD Total                  | 10,080          | 2                              | 1                                    |                                                                  |
| MIDDALYA ROAD Total                   | 400             | 2                              | 1                                    |                                                                  |
| MINILYA - LYNDON ROAD Total           | 145,490         | 1                              | 2                                    |                                                                  |
| MINILYA ROAD Total                    | 4,660           | 2                              | 1                                    |                                                                  |
| MOOKA ROAD Total                      | 4,100           | 4                              | 0                                    | Not Maintained                                                   |
| MT SANDIMAN - WILLIAMSBURY ROAD Total | 55,470          | 2                              | 1                                    | Category 2 to Williambury 4 thereafter Dampier Pipeline maintain |
| ONE TREE POINT ROAD Total             | 4,400           | 3                              | 1                                    |                                                                  |
| OYSTER CREEK ROAD Total               | 3,470           | 3                              | 1                                    |                                                                  |
| PAARNA VIEW Total                     | 9               | 4                              | 0                                    | Not Maintained                                                   |
| PARKER STREET Total                   | 135             | 4                              | 0                                    | Not Maintained                                                   |
| PATEMAN ROAD Total                    | 170             | 4                              | 0                                    | Not Maintained                                                   |
| PIMBEE ROAD Total                     | 965             | 4                              | 0                                    | Not Maintained                                                   |
| QUOBBA - GNARALOO ROAD Total          | 83,040          | 1                              | 2                                    |                                                                  |
| RED BLUFF ROAD Total                  | 7,600           | 2                              | 1                                    |                                                                  |
| RIFLE RANGE ROAD Total                | 895             | 4                              | 0                                    | Not Maintained                                                   |
| ROCKY POOL ROAD Total                 | 4,106           | 3                              | 1                                    |                                                                  |
| SANDERSON ROAD Total                  | 400             | 4                              | 0                                    | Not Maintained                                                   |
| SANDHURST ROAD Total                  | 15              | 4                              | 0                                    | Not Maintained                                                   |
| SILVER CITY ROAD Total                | 272             | 3                              | 1                                    |                                                                  |
| SPEEDWAY ROAD (A) Total               | 2,015           | 2                              | 1                                    |                                                                  |
| SPEEDWAY ROAD (B) Total               | 660             | 4                              | 0                                    | Not Maintained                                                   |
| STUART STREET Total                   | 90              | 4                              | 0                                    | Not Maintained                                                   |
| UENDOO ROAD Total                     | 1,315           | 4                              | 0                                    | Not Maintained                                                   |
| WAHROONGA - PIMBEE ROAD Total         | 86,465          | 1                              | 2                                    |                                                                  |
| WAHROONGA ROAD Total                  | 381             | 2                              | 1                                    |                                                                  |



| Road                      | Length (metres) | Desirable Maintenance Category | Standard Maintenance Grades Per Year | Comments                            |
|---------------------------|-----------------|--------------------------------|--------------------------------------|-------------------------------------|
| WANDAGEE ROAD Total       | 3,610           | 2                              | 1                                    |                                     |
| WARROORA EAST ROAD Total  | 22,020          | 2                              | 1                                    |                                     |
| WARROORA NORTH ROAD Total | 25,450          | 2                              | 1                                    | Category 2 to 14 Mile 4 thereafter. |
| WHISTLING ROCK ROAD Total | 4,265           | 4                              | 0                                    | Not Maintained                      |
| WHITLOCK CREEK ROAD Total | 1,415           | 4                              | 0                                    | Not Maintained                      |
| WINNING POOL ROAD Total   | 2,590           | 4                              | 0                                    | Not Maintained                      |
| WOORAMEL ROAD Total       | 2,310           | 2                              | 1                                    |                                     |
| YABURRU LOOP Total        | 25              | 4                              | 0                                    | Not Maintained                      |
| YALBALGO NORTH ROAD Total | 23,270          | 3                              | 1                                    |                                     |
| YALBALGO ROAD Total       | 1,800           | 3                              | 1                                    |                                     |
| YARINGA ROAD Total        | 650             | 2                              | 1                                    |                                     |
| <b>GRAND TOTAL</b>        | 1,261,006m      |                                |                                      |                                     |