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MAJOR FUNCTION: TRANSPORT, ROADS, STREETS AND BRIDGES

SERVICES PROVIDED:

State, Rural and Urban Streets and Roads

Bridges – maintenance and construction

Kerb and guttering – maintenance and construction

Footpaths – maintenance and construction

Car park maintenance and construction

Street Lighting

Advice and expertise to Leisure & Recreation, Planning and Utility Services Departments

BACKGROUND

Council is responsible for the maintenance of a total of 955km of local rural roads, 112km of Regional Roads, 54km of State Highway between Koorawatha to the North and the Harden Shire boundary to the South and 115km of urban roads.

Local rural roads consist of 230km of bitumen surfaced pavement with the remaining 725km unsealed with mainly gravel running surfaces. Council funds works on local roads from revenue with assistance from the Federal Government's Roads to Recovery (R2R) and Federal Assistance Grants (FAG's) used for maintenance and improvements.

Regional Roads of 112km are all sealed and are maintained using funds provided by the State Government through the Roads and Traffic Authority.

Improvement items on Regional Roads including reconstruction and widening are funded through the ex. 3x3 and REPAIR grants from the RTA (State Government).

All works on State Highways (Olympic Way) are undertaken under a 4 year contract by Council with the RTA as the Principal.

Urban sealed streets consisting of 115km of bitumen and asphalt and approximately 25km of gravel in Young and surrounding villages are maintained at Council's cost from Council revenue. Improvements are funded by Council with recent works funded through the Roads To Recovery (R2R) program.

In conjunction with the urban road network Council maintains over 210km of kerb and gutter and 20km of paved footpath from Council revenue.

The construction of additional footpaths and kerb and guttering is funded by Council with contributions up to 50% of cost levied on adjacent landowners.

Throughout the Shire Council has a total of 59 bridges, of which 55 are predominantly concrete and the remaining 4, timber. As the timber bridges become unserviceable, Council organises their replacement within funds available.

Street Lighting is maintained by the local electricity authority with charges for power and replacement of lights part of the electricity cost. Additional poles and lights are directly costed to Council.

Carpark maintenance at the S&C Club, Rosemary Lane and the railway station are carried out by Council. These works include resealing, repair, linemarking and signage.

Advice and the provision of plant and technical expertise are supplied to the Leisure and Recreation, Utility Services and Planning Departments of Council.

MAJOR ISSUES/NEEDS

- The maintenance of the infrastructure to acceptable community standards is Council's major concern. Funding is the major need.
Issues to be faced in maintaining the infrastructure are:
Diminishing availability of suitable gravel resulting in increasing haulage distances, availability of water and plant for maintenance in prolonged dry periods, experimentation with alternative road-making materials and methods to more align needs to cost.
- Widening of pavement on Grenfell Road is on-going as part of the REPAIR program and on Milvale and Murringo Roads as funds become available.
- Damaged kerb and guttering.
- Damaged footpaths and associated trip hazards.
- Reseal pavements on an acceptable frequency.
- Increasing cost of materials and equipment.
- Availability of carparking
- Construct paved footpaths in areas of high usage (PAMPs).
- Fully seal all urban streets including shoulders.
- Upgrade rural residential road network.
- Vandalism of street furnishings.
- Risk assessment approach to Maintenance activities and Works programmes to reduce liability.
- Rehabilitation of old bitumen pavements in the urban and rural areas
- Iandra/Elizabeth Street intersection upgrade.
- Heavy vehicle by-pass
- Heavy vehicle parking
- Heavy vehicles in urban streets
- Improved approaches to Town

- Zouch Street Bridge
- Car Parking
- Coach parking
- Street Lighting
- Pedestrian safety

MAJOR PROPOSED CHANGES/ACTIVITIES:

- Continue widening and reconstruction of Henry Lawson Way (Grenfell Road)
- Continue to use alternative road construction materials where economical and practical.
- Commence crushing operations in Council gravel pits to provide better quality resheeting and road construction materials.
- Continue to maintain facilities to an acceptable standard within budgetary limitations.
- Undertake next stage of Roads to Recovery (R2R) program (Koorawatha/Greenethorpe Bridge).
- Continue resealing of rural and urban roads in accordance with rolling program.
- Rehabilitate high maintenance areas of local urban and rural sealed roads.
- Continue to upgrade traffic volume data to enable road construction and rehabilitation works to be carried out where most needed.
- Reconstruct rear lanes and urban street shoulders to reduce maintenance and improve trafficability.
- Liaise with Country Energy to eliminate areas not up to standard with respect to street lighting.
- Seek funding for continuation of PAMP program.
- Submit works proposals to upgrade Elizabeth Street and areas of the Olympic Highway that require heavy patching and/or improvement.
- Continue self funding plant replacement program.

MAJOR ACHIEVEMENTS 2005/2006

- Completed fifth stage of “Repair” Program on Henry Lawson Way (Grenfell Road) to Monteagle Stockroute intersection.
- Completed Roads to Recovery Program including Patterson Lane, Pitstone Road, Windermere Street, Norman’s Road and Thornell Road construction.
- Completed resealing, heavy patching and erosion control works on the Olympic Highway.
- Completed widening of Milvale Road between Chillingworks Road and Stoney Creek (MR241W)
- Undertook major rehabilitation works on MR241W in selected locations.
- Completed construction of Railway precinct carpark.
- Completed all sealing works at Bendick Murrell rest area.
- Completed asphaltting of footpaths adjacent to the Courthouse as part of the Lynch Street/Cloete Street intersection upgrade.

- Commenced construction of concrete footpaths in Wombat Street.
- Completed first stage of PAMP Program.
- Completed kerb and guttering construction in Pattersons Avenue, Forsythe Street and Glesloy Street.
- Completed repairs to storeman's office at Council depot.
- Completed construction of traffic islands and pedestrian walkways as a Blackspot project at the intersection of Yass and Berthong Streets.
- Undertook construction of part of Hardy's Road in conjunction with local developer works.
- Assisted with the rehabilitation of Burrangong Creek.
- Commenced production of roadbase at Roxborough's Pit following blasting operations
- Provided ongoing expert advice on engineering conditions for developments and subdivisions.

MAJOR FUNCTION – TRANSPORT, ROADS, STREETS AND BRIDGES

OBJECTIVE STATEMENT: To provide a transport infrastructure system which allows safe vehicle and pedestrian movement within the Shire.

KEY PERFORMANCE INDICATORS:

- Year around access on priority access roads.
- NIL increase in accident reports.
- Level of public comment on conditions.

STRATEGY	STATEMENT OF MEANS	PERFORMANCE ASSESSMENT
<p>SHIRE ROADS Within the funds available provide the community with a safe road network.</p>	<ul style="list-style-type: none"> • Implement a maintenance system • Reclassify Shires Roads in accordance with road use statistics and observation • Maintain up to date and reliable plant and equipment • Use appropriate construction materials and techniques • Utilise Roads to Recovery funding to rehabilitate and upgrade existing network. • Seek additional funding from state and federal sources and developers where possible 	<ul style="list-style-type: none"> • Assessed Road Condition. • Public comment. • \$ cost of road construction. • \$ cost of maintenance (MMS) • Grants for damage restoration.

<p>REGIONAL ROADS Rehabilitate regional roads to meet acceptable design standards and cope with increased volume of heavy vehicles throughout the Shire.</p> <p>TOWN STREETS To seal all urban streets to an adequate width To rehabilitate old pavements to provide improved surfaces. Maintain reseal program Upgrade rear lanes</p> <p>BRIDGE REPLACEMENT LONG TERM Replace all timber bridges in Shire</p>	<ul style="list-style-type: none"> • Upgrade selected road lengths with existing funds with a view to applying wider sealed pavement when funding permits from State Government sources. • Undertake shoulder widening when funds available. • Recycle existing pavements and reapply bitumen seals where possible. • Adherence to reseal program within budget limit. • Seal to full kerb width • Reduce pavement width • Drain and seal rear lanes requiring frequent maintenance <p>1. Investigate most suitable replacement structure which will accommodate: 1 in 10 yrs waterway for priority 1 roads</p>	<ul style="list-style-type: none"> • Reduced pothole patching costs. • Reduced edge maintenance costs. • Reduced accidents. • Increased traffic flow. • Ongoing maintenance costs. • Aesthetic appeal. • Improved road assessments. • Improved drainage. • \$ cost of construction. • Public accessibility • Reduced expenditure on maintenance. • Unit cost of repairs. • Public accessibility
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<p>CURRENT TERM Maintain all river and creek crossings to ensure access in all but exceptional circumstances.</p>	<p>1 in 5 yrs waterway for priority 2 roads 1 in 1 yr waterway for priority 3 roads.</p> <ul style="list-style-type: none"> • Wherever possible maintain sidetracks to lessen reliance on bridges. • Carry out regular inspection of timber bridges. • In the event of assessed major structural damage replace timber bridge with concrete structure. • Place load restrictions on timber bridges as determined by age and structural soundness. 	
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ANNUAL OPERATING PLAN

Major Function:

**Transport, Roads,
Streets & Bridges**

Service:

State Road Network

Function Objective:

The preservation of the State’s investment in its road infrastructure by providing a road maintenance and construction service for the Roads and Traffic Authority, as defined under the “single invitation contract” which meets the community objectives and expectations of a safe road for all users including pedestrians and cyclists.

ACTIVITY	ACTION	PERFORMANCE
Management services	Provide management services and engineering technical advice to efficiently and effectively manage State Highways within Shire Council.	<ol style="list-style-type: none"> 1. Systems and operating procedures documented as per QA requirements 2. Staff trained in new procedures 3. Reporting system, time taken to respond to incidents 4. Completion of annual maintenance and capital works program. 5. Compliance with SIC reporting requirements.
	Provision of assistance from Corporate Services for financial and accounting needs	
	Undertake maintenance rehabilitation, improvements and construction programs in accordance with the criteria outlined in the single invitation contract for State Road Maintenance for RTA Quality Assurance.	<ol style="list-style-type: none"> 1. Conditions of Single Invitation contract met <ol style="list-style-type: none"> a) Council is pre-qualified 2. Maintenance performance schedules met 3. Completed within quality constraints,

<p>State Road Maintenance rehabilitation improvement and construction</p> <p>Routine maintenance</p> <p>Ordered works</p> <p>Asset Management</p>	<p>Asset inspection and management reporting</p> <p>Pavement maintenance</p> <p>Vegetation maintenance</p> <p>Roadside maintenance</p> <p>Sign maintenance</p> <p>Delineation maintenance</p> <p>Heavy patching</p> <p>Rehabilitation works</p> <p>Resealing of pavements</p> <p>Traffic facilities</p> <p>Rest Areas</p> <p>Recording of details of all works and improvements on State Highway network</p>	<p>budget allocation, on time and to the agreed annual works program</p> <p>4. Maintenance works meet the requirements of RTA Surveillance Officer</p> <p>5. \$ cost of maintenance with respect to RTA benchmarking</p> <p>1. Compliance with Single Invitation tender</p> <p>2. Compliance with OHS&R requirements</p> <p>3. Compliance with environmental requirements</p> <p>1. Compliance with Single Invitation tender</p> <p>2. Compliance with OHS&R requirements</p> <p>3. Compliance with environmental requirements</p> <p>1. Works as executed plans completed immediately after maintenance improvements if required</p> <p>2. Preparation of necessary plans</p> <p>3. Documentation for QA</p>
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ANNUAL OPERATING PLAN

Major Function:

Service:

**Transport, Roads,
Streets and Bridges**

Regional Road Network

Function Objective:

The preservation of the State’s investment in its road infrastructure by providing a road maintenance and construction service for the Roads and Traffic Authority, as defined under the criteria for block grants for Regional Roads, which meets the community objectives and expectations of a safe road for all users including pedestrians and cyclists.

ACTIVITY	ACTION	PERFORMANCE
Management services	Provide management services and engineering technical advice to efficiently and effectively manage all Regional roads within Young Shire Council	<ol style="list-style-type: none"> 1. Upgrade and maintenance of roads register 2. Systems and operating procedures documented 3. Staff trained in new procedures 4. Reporting system, time taken to respond to incidents 5. Completion of annual maintenance and capital works program
Regional Road Maintenance rehabilitation improvement and construction	Undertake maintenance, rehabilitation, improvements and construction programs in accordance with the criteria outlined in the arrangements with Councils for Road Maintenance.	<ol style="list-style-type: none"> 1. Maintenance performance schedules met. 2. Completed within Quality constraints, budget allocation, on time and to the agreed annual works program

<p>Routine maintenance</p>	<p>Asset inspection and management reporting Pavement maintenance Vegetation maintenance – organise removal of tree growth within road clear zone as per tree policy. Roadside maintenance Sign maintenance Delineation maintenance Heavy patching Rehabilitation works Resealing of pavements Traffic facilities</p>	<ol style="list-style-type: none"> 1. Maintenance works meet the requirements of RTA 2. \$ cost of maintenance with respect to RTA benchmarking 3. Compliance with OHS&R requirements 4. Compliance with environmental requirements 5. Completion of annual maintenance and capital works program within allocated budget
<p>Asset Management</p>	<p>Recording of details of all works and improvements on Regional Road network</p>	<ol style="list-style-type: none"> 1. Works as executed plans completed immediately after maintenance improvements if required 2. Preparation of necessary plans 3. Documentation for QA 4. Annual Reports submitted 5. Asset Register updated

ANNUAL OPERATING PLAN

Major Function:

Service:

**Transport, Roads,
Streets and Bridges**

Local Road Network

Function Objective:

The preservation of Council’s road network and infrastructure by providing a road maintenance and construction service which meets the community objectives and expectations of a safe road environment for all users including pedestrians and cyclists.

ACTIVITY	ACTION	PERFORMANCE
Management services	Provide management services and engineering technical advice to efficiently and effectively manage Council’s road network and infrastructure.	<ol style="list-style-type: none"> 1. Upgrade and maintenance of roads register 2. Systems and operating procedures documented 3. Staff trained in all procedures 4. Reporting system, time taken to respond to incidents 5. Completion of annual maintenance and capital works program
	Provision of assistance from Corporate Services for financial and accounting needs	<ol style="list-style-type: none"> 1. Cost per assessment 2. Maintain realistic rating level 3. Sufficient funds available for capital works
General maintenance	Maintenance and repair of streets	<ol style="list-style-type: none"> 1. Road network is safe and traffickable to all users including

Urban road resealing	Resealing of urban road network as per rolling program	pedestrians and cyclists. 1. Condition of road network 2. Completion of annual resealing program
Traffic signage and road markings	Routine maintenance, repair and replacement of road signs and remarking of pavement markings	1. Signs and markings maintained in a visible and legible condition
Vegetation maintenance	Undertake maintenance of landscaped medians, garden islands and verges Mowing and slashing of grassed verges and tree pruning or removal within Clear Zone. Verges and median strips kept free of weeds and burrs	1. Landscaped areas kept in a neat and attractive condition 2. Tree foliage does not obstruct signage and driver's vision. 3. Paved areas kept free of weeds and burrs
Asset Management	Recording of details of the road infrastructure condition and its components Detailed survey plans of Councils infrastructure	1. Works as executed plans completed immediately after construction where applicable. 2. Preparation of detailed plans where necessary. 3. Asset register updated.

ANNUAL OPERATING PLAN

Major Function:

Service:

**Transport, Roads,
Streets and Bridges**

Bridges

Function Objective:

The preservation of Council’s timber and concrete bridge infrastructure by providing a maintenance and construction service which meets the community objectives and expectations of a safe road environment with the provision of access across all river and creek crossings in all but exceptional circumstances for all users including pedestrians and cyclists.

ACTIVITY	ACTION	PERFORMANCE
Management services	Provide management services and engineering technical advice to efficiently and effectively manage Council’s bridge infrastructure within the Shire of Young.	<ol style="list-style-type: none"> 1. Upgrade and maintenance of roads register 2. Systems and operating procedures documented 3. Staff trained in maintenance procedures 4. Reporting system, time taken to respond to incidents 5. Completion of annual maintenance and capital works program
	Provision of assistance from Corporate Services for financial and accounting needs	<ol style="list-style-type: none"> 1. Sufficient funds available for capital and maintenance works
Bridge maintenance rehabilitation, and construction	Undertake maintenance and construction program in accordance with Councils bridge maintenance and bridge replacement program	Works completed within annual budget.

<p>Routine maintenance</p>	<p>Asset inspection and management reporting including test boring of timber bridges,</p> <p>Deck maintenance</p> <p>Vegetation maintenance</p> <p>Sign and delineation maintenance</p> <p>Replacement of components when deemed unserviceable (decking, girders etc)</p>	<ol style="list-style-type: none"> 1. Completed within quality constraints, budget allocation, on time and to the agreed annual works program 2. Maintenance works meet statutory requirements 3. \$ cost of maintenance 1. Compliance with OHS&R requirements 2. Compliance with environmental requirements 3. Completion of annual maintenance and capital works program within allocated budget 4. Works undertaken to WorkCover requirements 5. Works completed in accordance with Risk Assessment schedule
<p>Bridge replacement</p>	<p>Investigation, survey and design of bridge structure and waterway area</p> <p>Replacement of timber bridges with concrete structures as per Council policy</p> <ol style="list-style-type: none"> a) 1 in 10 year waterway for priority 1 roads b) 1 in 5 year waterway for priority 2 roads c) 1 in 1 year waterway for priority 3 roads 	<ol style="list-style-type: none"> 1. Preparation of design plans 2. Works as executed plans completed immediately after construction 3. \$ cost of construction 4. Minimum design standard to meet RTA and comply with Australian Standards 5. Reduced expenditure on maintenance costs 6. Asset register updated.

Asset Management	Recording of details of all works and improvements on the Shire bridge network Detailed plans of bridge design where applicable.	<ol style="list-style-type: none">1. Works as executed plans completed immediately after construction, maintenance and improvements2. Preparation of detailed plans3. Asset register updated
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ANNUAL OPERATING PLAN

Major Function:

Service:

**Transport, Roads,
Streets and Bridges**

Footpaths

Function Objective:

The preservation of Council’s infrastructure and minimisation of liability with regard to pedestrian hazards which meets the community objectives and expectations of a safe environment for all users. Provision of maintenance and construction techniques to efficiently and effectively preserve Council’s asset to extend the paved footpath network to meet community requirements.

ACTIVITY	ACTION	PERFORMANCE
Management services	<p>Provide management services and engineering technical advice to efficiently and effectively manage Council’s infrastructure</p> <p>Provision of assistance from Corporate Services for financial and accounting needs</p>	<ol style="list-style-type: none"> 1. Upgrade and maintenance of asset register 2. Systems and operating procedures documented 3. Staff trained in all procedures 4. Inspections completed in accordance with Council’s policy. 5. Completion of annual maintenance and capital works program <ol style="list-style-type: none"> 1. Sufficient funds available for capital works

Footpath maintenance and construction	<p>Undertake maintenance as required by risk assessment</p> <p>Replacement and/or upgrade of footpaths as per Council's works program & PAMP.</p>	<ol style="list-style-type: none"> 1. Reporting system (No of complaints and number of hazards recorded in accordance with Council's policy. 2. Condition of footpaths 3. No of insurance claims
Tree planting and maintenance	<p>Maintenance and care of trees on footpath</p> <p>Planting and replacement of trees for aesthetics and shade purposes</p> <p>Trimming of trees for Great Southern Energy and Council's street sweeper</p>	<ol style="list-style-type: none"> 1. General condition of tree 2. Correct species of trees planted for the location 3. Less impact on trees requiring maintenance near service facilities.
Risk Management	<p>Undertake inspection of all paved areas in accordance with Council policy.</p> <p>Priority of repairs as per assessment of risk</p>	<ol style="list-style-type: none"> 1. Maintenance completed within nominated time of risk assessment rating
Asset Management	Recording of details of the infrastructure and components	<ol style="list-style-type: none"> 1. Maintenance improvements documented at completion of works as required 2. Preparation of plans if required.