

TENDER 017/17 SUPPLY AND LAYING OF ASPHALT – MAJOR WORKS

SCHEDULE OF ITEMS

| Item | Mix Type | Marshall Blow |
|--|-----------------------------|---------------|
| SUPPLY OF ASPHALT ON CITY OR CONTRACTOR'S TRUCKS WORKING FOR THE CITY EX PLANT (0 TO 25 TONNES) | | |
| 1 | AC14 | 50 |
| 2 | AC10 | 35 |
| 3 | AC10 | 50 |
| 4 | AC10 | 75 |
| 5 | AC7 | 35 |
| 6 | AC7 | 50 |
| 7 | AC5 | 50 |
| 8 | SMA10 | 50 |
| 9 | SMA7 | 50 |
| 10 | Laterite AC7 1% Red Oxide | 35 |
| 11 | Laterite AC7 1% Red Oxide | 50 |
| 12 | Laterite AC7 2% Red Oxide | 50 |
| SUPPLY, DELIVERY AND LAYING OF ASPHALT | | |
| 1 | AC20 | 50 |
| 2 | AC20 | 75 |
| 3 | AC14 | 50 |
| 4 | AC14 | 75 |
| 5 | RAC14 | 50 |
| 6 | AC10 | 50 |
| 7 | AC10 | 75 |
| 8 | RAC10 | 50 |
| 9 | AC7 | 35 |
| 10 | AC7 | 50 |
| 11 | AC5 | 35 (Handwork) |
| 12 | AC5 | 50 (Handwork) |
| 13 | SMA14 | 50 |
| 14 | SMA10 | 50 |
| 15 | SMA7 | 50 |
| 16 | SMA5 | 50 |
| 17 | Laterite AC7 1% Red Oxide | 35 |
| 18 | Laterite AC7 1% Red Oxide | 50 |
| 19 | Laterite SMA8 1% Red Oxide | 50 |
| 20 | Laterite SMA8 2% Red Oxide | 50 |
| 21 | Laterite AC10 1% Red Oxide | 50 |
| 22 | Laterite AC10 1 % Red Oxide | 75 |

TENDER 017/17 SUPPLY AND LAYING OF ASPHALT – MAJOR WORKS

| MISCELLANEOUS ITEMS | | |
|--|--|----------------------------------|
| Item | Description | UOM |
| 1 | Opening Fee – Where the Superintendent has specifically programmed the works on a weekend or public holiday. | Unit |
| Where flag control is to be used per clause 7.5 of the IPWEA and AAPA specification (Rev 3 of 2012): | | |
| 2 | Flag control | per Hour |
| 3 | Flag control | per Day |
| TACK COAT – Where tack coat is to be applied as per clause 6.5 of the IPWEA and AAPA specification (Rev 3 of 2012). | | |
| 4 | Application of tack coat at 0.1 litres per square metre (residual bitumen) | m ² |
| 5 | Application of tack coat at 0.4 litres per square metre (residual bitumen) | m ² |
| SPECIAL MIXES – Where special mixes are requested by the Superintendent for the supply, delivery and installation of dense graded or stone mastic asphalt (refer above for supply, delivery and laying of asphalt). | | |
| 6 | Multigrade Binder – Dense graded asphalt | per Tonne |
| 7 | Multigrade Binder – SMA | per Tonne |
| 8 | EVA Modified Binder | per Tonne per % added to bitumen |
| 9 | SBS Modified Binder | per Tonne per % added to bitumen |
| 10 | Sasol Wax Modifier | per Tonne per % added to bitumen |
| 11 | Diorite Aggregate | per Tonne additional |
| RAP – Where RAP is used in lieu of fresh aggregate | | |
| 12 | 0-10% RAP | per Tonne asphalt |
| 13 | 10% - 20% RAP | per Tonne asphalt |
| 14 | 20% - 30% RAP | per Tonne asphalt |
| 15 | 30% - 40% RAP | per Tonne asphalt |
| 16 | > 40% RAP | per Tonne asphalt |

TENDER 017/17 SUPPLY AND LAYING OF ASPHALT – MAJOR WORKS

| TRAFFIC CONTROL | | |
|------------------------|--|------------|
| Item | Description | UOM |
| 17 | Two traffic controllers, vehicle, signs and radios (normal hours, Monday to Friday, 6am to 6pm) | Hour |
| 18 | Two traffic controllers, vehicle, signs and radios (after hours, 6pm to 6am, weekends and public holidays) | Hour |
| 19 | One traffic controller, vehicle, signs (normal hours, Monday to Friday, 6am to 6pm) | Hour |
| 20 | One traffic controller, vehicle, signs (after hours, 6pm to 6am, weekends and public holidays) | Hour |
| 21 | Additional traffic controller | Hour |
| 22 | Additional vehicle (Ute) | Day |

SUMMARY OF TENDER SUBMISSIONS

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Contract Price | Price Rank |
|---|----------------------------|--|---|--|---|------------------|--------------------------|------------|
| | | Capacity | Demonstrated Experience in Providing Similar Services | Demonstrated Understanding of the Required Tasks | Social and economic effects on the local community | | | |
| Asphaltech Pty Ltd All requirements have been met. | Yes | <p>It commenced operation in 1994 and employs 39 full-time employees. Its Submission included the company's organisational chart. Details of 11 key personnel including their industry experience and years of service with the company were provided.</p> <p>It is the first company in WA to produce Stone Mastic Asphalt (SMA). Recently it has also produced 100% Recycled Cold Mix Asphalt. The percentage of its operational capacity represented by the City's contract is 15% - 18%. The company is well resourced and has the ability to provide additional personnel if required. A comprehensive list of equipment that will be used to carry out the works including after-hour contacts for emergency requirements was supplied.</p> <p>It has an accredited quality management system and a safety policy in place. Copies of its safety management plan and statistics were provided.</p> | <p>It has extensive experience in providing similar services. The company has been in the asphalt industry for 23 years specialising in the supply, delivery and placement of asphalt for local governments. Numerous examples of works were provided and these included the Cities of Wanneroo, Swan, Bayswater, Melville, Nedlands and Stirling. The company has current asphalt resurfacing contracts with the Cities of Armadale, Melville, Bayswater and Swan and Shires of Mundaring Kalamunda. It is also the City's current supplier for supply and laying of asphalt – major works</p> | <p>It demonstrated a complete understanding and appreciation of the City's requirements. The company has been carrying out asphalt works for WA local governments since its inception. Its proposed methodology included an outline of tasks to be undertaken, from programming agreed dates for the asphalt works to co-ordinating activities in place for sweeping, traffic control, machinery and equipment, type of asphalt mix and trucking of the asphalt.</p> | <p>The company is located in Malaga.</p> <p>It employs local residents and supports local businesses.</p> | 82.9% | \$7,958,879 | 1 |

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| | | Capacity | Demonstrated Experience in Providing Similar Services | Demonstrated Understanding of the Required Tasks | Social and economic effects on the local community | | | |
| <p>Fulton Hogan Industries Pty Ltd</p> <p>All requirements have been met.</p> | Yes | <p>Fulton Hogan was established in 1935 in New Zealand. The company started its Australia operation in 1981 and WA contracts in 2000. The company employs more than 5,500 people. An organisational chart and details of support team including skills and experience of six key personnel were provided. A detailed list of specialised equipment was provided. Its asphalt plant is at Hazelmere which will produce all polymer modified materials from August 2017.</p> <p>Fulton Hogan stated that it has recently commenced the incorporation of Recycled Asphalt Pavement (RAP) into some of its asphalt mixes and is currently investigating a number of other recycling initiatives. It will engage two Perth based internal laying crew for this Contract. It has the ability to provide additional personnel and equipment if required and after-hour contacts for emergency requirements was supplied. The company operates with an accredited management system and has a safety policy in place. Copies of its safety procedures and statistics were provided.</p> | <p>Fulton Hogan demonstrated extensive experience in providing similar services. Numerous examples of works were provided and these included the supply and laying of asphalt for various local governments and private organisations including the Cities of Belmont, Vincent, Canning and Swan, Shires of Mundaring and Kalamunda and Downer Mouchel. The company has current asphalt supply and lay contracts with the Cities of Belmont and Swan and Downer Mouchel.</p> | <p>Fulton Hogan demonstrated a thorough understanding of the required tasks. Its Submission included the company's proposed methodologies for service delivery, invoicing, customer relations, recycling and process control.</p> | <p>Its WA office is at Perth Airport.</p> <p>The company employs local residents and supports local businesses. It is involved with various social enterprises within the community.</p> | 74.4% | \$9,962,499 | 4 |

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Contract Price | Price Rank |
|---|----------------------------|--|---|--|--|------------------|--------------------------|------------|
| | | Capacity | Demonstrated Experience in Providing Similar Services | Demonstrated Understanding of the Required Tasks | Social and economic effects on the local community | | | |
| Roads 2000 Pty Ltd All requirements have been met. | Yes | It was established in 1998 and currently has approximately 40 full-time staff. An organisational chart and details of support team including skills and experience of 12 key personnel were provided. Details of specialised equipment that will be used to carry out the works were supplied. It stated that the company currently manufactures 13 different standard asphalt mixes including the lateritic red asphalts, heavy duty highway asphalts and boutique SMA. It has an annual capacity to produce in excess of 300,000 tonnes of asphalt and is also able to design special asphalts for specific projects. It has the ability to provide additional personnel and equipment if required and after-hour contacts for emergency requirements was supplied. It operates with an accredited management system and has a safety policy in place. Copies of its safety procedures and statistics were provided. | Roads 2000 demonstrated extensive experience in providing similar services. Numerous examples of works were provided to support its experience and these included supplies and laying of asphalt for the Cities of Rockingham, Wanneroo, Nedlands and Fremantle, the Shires of Northam, Exmouth, Katanning, Cunderdin, Quairading, Narrogin, Wagin and the Town of Bassendean. The company has also provided similar services to the City of Joondalup for few projects including Sorrento Beach car park upgrade and Hodges Drive and Joondalup Drive widening | Roads 2000 demonstrated a thorough understanding of the required tasks. Its proposed methodology included program meeting, weekly scheduling, project scheduling, site works, post works, invoicing and testing. A copy of its asphalt laying operations procedure was also submitted to demonstrate its understanding of the requirements | The company is part of the Politis Group and is in Osborne Park with a production plant in Wangara. The company supports local businesses | 70.1% | \$8,250,624 | 2 |

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|---|-------------------------------|--|--|--|---|------------------|--------------------------|------------|
| | | Capacity | Demonstrated Experience in Providing Similar Services | Demonstrated Understanding of the Required Tasks | Social and economic effects on the local community | | | |
| Boral Resources (W.A.) Ltd trading as Boral Asphalt | Yes | Boral Asphalt has 660 employees and has more than 40 production plants throughout Australia and its WA asphalt production plant is in Welshpool. Details of the proposed Project Team for this Contract was supplied with details skills and experience of four key personnel. Details of specialised equipment that will be used to complete the works including after-hour contacts were supplied. The company has the ability to provide additional personnel and equipment, if required. | The company has demonstrated considerable experience in providing similar services to private companies. Numerous examples of works were provided and these included supplies and laying of asphalt for the Gateway WA Alliance, John Holland, Georgiou, Lendlease and Yurala Multiplant JV. | Boral Asphalt demonstrated an understanding of the required tasks. Its proposed asphalt methodology included programming works, site inspection, asphalt aggregate supply, bitumen supply, traffic management, line marking, surface preparation, asphalt laying and hand spreading. | Boral Asphalt is located in Welshpool. It will use Evolution Traffic Control to provide the traffic management services. | 62% | \$8,914,337 | 3 |
| All requirements have been met. | | | | | | | | |