

TENDER 019/20 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

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MISCELLANEOUS ITEMS		
Item	Description	UOM
1	Opening Fee – Where the Superintendent has specifically programmed the works on a weekend or public holiday.	
1.1	Weekdays – After Hours (6pm to 6am)	Fee
1.2	Saturday – Day or Night (All hours)	Fee
1.3	Sunday – Day or Night (All hours)	Fee
1.4	Public Holidays – Day or Night (All hours)	Fee
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

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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
23	Light Tower	Per unit per day
24	Aftercare – signs, bollards, cones, other devices	Per unit per day

ALTERNATIVE STANDARD MIX TYPES		
Item	Mix Type	UOM
1	Downer Reconophalt 7	per Tonne asphalt
2	Downer Reconophalt 10	per Tonne asphalt
3	Downer Reconophalt 14	per Tonne asphalt

SUMMARY OF SUBMISSIONS

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Fixed Lump Sum	Price Rank
		Demonstrated experience completing community sporting facility construction projects	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
<p>Downer EDI Works Pty Ltd</p> <p>All requirements have been met.</p>	Yes	<p>Downer currently holds eight contracts with various councils delivering over 100,000 tonnes of asphalt per annum and has delivered similar works on other local government contracts. It stated it is the largest asphalt supplier to local government in Perth including the Cities of Armadale, Cockburn, Mandurah, Perth, Rockingham, Stirling and Swan. Brief examples of previous or current contracts were provided. Downer worked with the City in June 2019 to deliver the Arnisdale Road project using its Reconophalt asphalt mix. It demonstrated extensive industry experience delivering similar services to local governments.</p>	<p>The company demonstrated a thorough understanding of the required tasks, well detailed in its submission. Its proposed methodology included proposal to establishing a timeframe for delivery, resources and training, programming of the works, traffic management and other ongoing site management and planning activities. An asphalt laying methodology was also submitted to demonstrate its understanding of the requirement.</p>	<p>Downer is located in Maddington with two asphalt plants located in Gosnells and Hope Valley which combined has a production capacity of 460 tonnes per hour. The company will use a single “dedicated” crew for the project. and can draw on resources from throughout Australia to supplement local crews if necessary. It has an extensive range of asphalt surfacing equipment and is currently in the process of adding new equipment to this fleet. Downer has the industry experience and proven capacity to complete the works.</p>	<p>The company has staff who are residents of the City and proposes to use materials and services from City businesses. If successful, it will implement a range of strategies focusing on social responsibility, local and indigenous employment, cultural heritage management and stakeholder engagement.</p>	64.7%	\$5,679,974	1

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		Demonstrated experience completing community sporting facility construction projects	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
Asphaltech Pty Ltd All requirements have been met.	Yes	Asphaltech demonstrated 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 Stirling and Town of Victoria Park and an asphalt resurfacing and road profiling contract with the Town of Bassendean. It is also the City's current supplier for supply and laying of asphalt – major works.	Asphaltech demonstrated a thorough 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, including product identification, resurfacing works (including profiling), traffic management and completion of the works.	Asphaltech commenced operation in 1994. The company employs 45 full-time employees. Its Submission included the company's organisational and history chart. Brief details of key personnel were provided and CV's of six key staff to be involved in this project including their industry experience and years of service with the company. It has sufficient resources to provide the service and has the ability to provide additional personnel if required. Asphaltech has sufficient capacity to undertake the works.	The company is located in Malaga. Asphaltech supports various City business's and employs seven full-time staff whom reside in the City and is willing to employ more local residents.	77.3%	\$6,250,735	2

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Roads 2000 Pty Ltd All requirements have been met.	Yes	Roads 2000 demonstrated comprehensive 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 Wanneroo, Nedlands, Stirling, Fremantle and Gosnells and the Towns of Cambridge, Cottesloe and Mosman Park. The projects it has completed for the City of Wanneroo include resurfacing, kerbing and civil works for groups of residential streets, large scale road upgrades on arterial/distributor roads, along with completion of sustainable and specialty asphalt mixes.	Roads 2000 demonstrated a very good understanding of the required tasks. Its proposed methodology included surveying sites, weekly scheduling, project preparation and scheduling, site works. It indicated it would follow a simple methodology including preliminaries, transport logistics, traffic requirements to asphalt laying and post-works.	Roads 2000 was established in 1998 and currently has approximately 65 full-time staff. The company is located in Osborne Park with production plants in Wangara and Wattleup. An organisational chart and details of eight main crew to be allocated to this project, including skills and experience were provided. Details of specialised equipment that will be used to carry out the works were supplied. The company has the ability to provide additional personnel and equipment if required It has the capacity to carry out the works.	The company utilises local suppliers and it indicated that they have five staff who live in the City.	70.5%	\$6,467,599	3

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		Demonstrated experience completing community sporting facility construction projects	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
<p>Kee Surfacing Pty Ltd</p> <p>All requirements have been met.</p>	Yes	<p>Kee Surfacing Pty Ltd initially provided subcontract crews for the major projects in WA and has expanded its capabilities to self-deliver contracts with the addition of spray seal and profiling services. It provided a full range of services at the Northlink 2 project and laid 700,000 tonnes of asphalt. It demonstrated some experience including asphalt surfacing and associated services for the Town of Cambridge 2019-2021, profiling, spray seal and asphalt surfacing for the Cities of Nedlands and Wanneroo and MRWA. No values of the contracts were provided.</p>	<p>Kee Surfacing Pty Ltd did not demonstrate sufficient understanding of the required tasks. Its proposed methodology was limited to one page and it did not demonstrate an appreciation of the requirements of this tender.</p>	<p>Kee Surfacing Pty Ltd has been in operation since 2011. It employs 78 full-time staff and is located in Welshpool. A list of equipment; type/make/model was provided but not specified if dedicated to this project. An organisational chart was provided and key surfacing personnel named with a career overview and experience, but no dates. The company can provide additional assistance and plant when required and after-hour contacts for emergency requirements was supplied.</p>	<p>The company employs four staff who live in the City.</p>	53.3%	\$6,770,174	4

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<p>Fulton Hogan Industries Pty Ltd</p> <p>All requirements have been met.</p>	Yes	<p>Fulton Hogan demonstrated extensive experience providing similar services. Numerous examples of works set out the values, ranging from \$1,220,000 to \$316,000, duration and total tonnage per annum. These included the supply and laying of asphalt to the Cities of Kalamunda, Swan, Belmont, Armadale and Stirling. Four project specific examples for the Town of East Fremantle, City of Stirling, City of Subiaco and City of Swan were also supplied, however some details were not consistent with the previous table.</p>	<p>Fulton Hogan demonstrated a good understanding of the required tasks. Its Submission included the company’s proposed methodologies including schedule of works, works execution, traffic control, service delivery, customer relations, noise management (for night works) and recycling. It provided a list of various reports and examples of its asphalt test report and core density test report it intended to use.</p>	<p>Fulton Hogan was established in New Zealand in 1935 and started its Australian operation in 1981. Its WA office is at Hazelmere and it employs 120 staff in WA. An organisational chart was provided and details of its history was well documented. A project supervisory team and nine CV’s were provided and it proposed a dedicated local government asphalt crew, which will be utilised on this contract. A detailed list of specialised equipment was supplied and all asphalt required for the contract will be sourced from its Hazelmere Depot. The company has the capacity to carry-out the works.</p>	<p>The company employs eight personnel from within the City.</p>	71.4%	\$7,002,483	5