

### Optional Fuel Items Listing

ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR gal/unit	ITEM UNIT	FUEL FACTOR liters/unit	ITEM UNIT
00120	REGULAR EXCAVATION	0.290	CY	1.436	CU M
00128	EXTRA EXCAVATION	0.290	CY	1.436	CU M
00140	BORROW EXCAVATION	0.290	CY	1.436	CU M
00150	EMBANKMENT	0.290	CY	1.436	CU M
00211	MINOR STRUCTURE EXCAV. PIPE CULVERT	0.290	CY	1.436	CU M
00212	MINOR STRUCTURE EXCAV. BOX CULVERT	0.290	CY	1.436	CU M
00270	SELECT MATL. TY. I MIN. CBR-30	0.600	TON	2.500	MTON
00272	SELECT MATL. TY. I MIN. CBR-30	1.200	CY	5.940	CU M
00280	SELECT MATL. TY. II MIN. CBR-20	1.200	CY	5.940	CU M
00282	SELECT MATL. TY. II MIN. CBR-20	0.600	TON	2.500	MTON
00505	BEDDING MATL. AGGR. NO. 25 OR 26	0.400	TON	1.665	MTON
00522	CONCRETE CLASS A4 BOX CULVERT	1.892	CY	9.366	CU M
00525	CONCRETE CLASS A3 MISC.	1.892	CY	9.366	CU M
09150	EROSION CONTROL STONE CLASS I, EC-1	0.600	TON	2.500	MTON
10011	HYDRAULIC CEMENT	0.200	TON	0.833	MTON
10013	CEMENT STAB. AGGR. MATL. NO. 21A	0.600	TON	2.500	MTON
10017	CEM. STAB. AGGR. BASE MATL. TY.I NO.21A	0.600	TON	2.500	MTON
10028	MANIPULATION 8"	0.120	SY	0.543	SQ M

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR	ITEM UNIT	FUEL FACTOR	ITEM UNIT
		gal/unit		liters/unit	
10061	STAB. OPEN-GRADED MATERIAL	3.000	TON	12.491	MTON
10065	AGGR. MATL. NO. 1	0.600	TON	2.500	MTON
10113	AGGR. BASE MATL. TY. I NO. 21A OR 21B	0.600	TON	2.500	MTON
10121	AGGR. BASE MATL. TY. I NO. 21A OR 21B	0.600	TON	2.500	MTON
10123	AGGR. BASE MATL. TY. I NO. 21A	0.600	TON	2.500	MTON
10128	AGGR. BASE MATL. TY. I NO. 21B	0.600	TON	2.500	MTON
10416	LIQUID ASPHALT	0.016	GAL	0.016	LITER
10424	BLOTTED SEAL COAT TY. D	0.010	SY	0.045	SQ M
10468	COVER MATL. AGGR. NO. 68	0.600	TON	2.500	MTON
10478	COVER MATL. AGGR. NO. 78	0.600	TON	2.500	MTON
10480	COVER MATL. AGGR. NO. 8	0.600	TON	2.500	MTON
10598	NS ASPHALT CONCRETE	3.500	TON	14.600	MTON
10606	ASPHALT CONCRETE TY. SM-9.5	3.500	TON	14.600	MTON
10607	ASPHALT CONCRETE TY. SM-12.5A	3.500	TON	14.600	MTON
10608	ASPHALT CONCRETE TY. SM-12.5D	3.500	TON	14.600	MTON
10609	ASPHALT CONCRETE TY. SM-12.5E	3.500	TON	14.600	MTON
10610	ASPHALT CONCRETE TY. IM-19.0A	3.500	TON	14.600	MTON
10611	ASPHALT CONCRETE	3.500	TON	14.600	MTON

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR gal/unit	ITEM UNIT	FUEL FACTOR liters/unit	ITEM UNIT
	TY. IM-19.0D				
10612	ASPHALT CONCRETE BASE COURSE TY. BM-25.0	3.500	TON	14.600	MTON
10613	ASPHALT CONCRETE TY. BM-37.5	3.500	TON	14.600	MTON
10628	FLEXIBLE PAVEMENT PLANING 0" - 2"	0.071	SY	N/A	
10629	FLEXIBLE PAVEMENT PLANING ABOVE 2" - 4"	0.160	SY	N/A	
10630	FLEXIBLE PAVEMENT PLANING	0.110	SY	0.498	SQ M
10635	ASPHALT CONCRETE TY. SM-9.5A	3.500	TON	14.600	MTON
10636	ASPHALT CONCRETE TY. SM-9.5D	3.500	TON	14.600	MTON
10637	ASPHALT CONCRETE TY. SM-9.5E	3.500	TON	14.600	MTON
10639	ASPHALT CONCRETE TY. SM-19.0	3.500	TON	N/A	
10642	ASPHALT CONCRETE TY. BM-25.0A	3.500	TON	14.600	MTON
10643	ASPHALT CONCRETE TY. BM-25.0D	3.500	TON	14.600	MTON
10650	STONE MATRIX ASPHALT SMA-9.5(70-22)	4.000	TON	16.680	MTON
10651	STONE MATRIX ASPHALT SMA-9.5(76-22)	4.000	TON	16.680	MTON
10652	STONE MATRIX ASPHALT SMA-12.5(70-22)	4.000	TON	16.680	MTON
10653	STONE MATRIX ASPHALT SMA-12.5(76-22)	4.000	TON	16.680	MTON
10654	STONE MATRIX ASPHALT SMA-19.0(70-22)	4.000	TON	16.680	MTON

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR	ITEM UNIT	FUEL FACTOR	ITEM UNIT
		gal/unit		liters/unit	
10655	STONE MATRIX ASPHALT SMA-19.0(76-22)	4.000	TON	16.680	MTON
10771	PLAIN HYDRAULIC CEMENT CONC. PAVE. 7"	0.950	SY	4.301	SQ M
10781	PLAIN HYDRAULIC CEMENT CONC. PAVE. 8"	0.950	SY	4.301	SQ M
10791	PLAIN HYDRAULIC CEMENT CONC. PAVE. 9"	0.950	SY	4.301	SQ M
10881	REINF. HYDRAULIC CEM. CONC. PAVE. 8"	0.950	SY	4.301	SQ M
10891	REINF. HYDRAULIC CEM. CONC. PAVE. 9"	0.950	SY	4.301	SQ M
10981	CONT. REINF. HYDRAULIC CONC. PAVE. 8"	0.950	SY	4.301	SQ M
10982	CONT. REINF. HYDRAULIC CONC. PAVE. 9"	0.950	SY	4.301	SQ M
10986	CONT. REINF. CONC. PAVE. 10"	0.950	SY	4.301	SQ M
10987	CONT. REINF. CONC. PAVE. 11"	0.950	SY	4.301	SQ M
10988	CONT. REINF. CONC. PAVE. 12"	0.950	SY	4.301	SQ M
10989	CONT. REINF. CONC. PAVE. 13"	0.950	SY	4.301	SQ M
11160	PATCHING HYDRAULIC CEMENT CONC. PAVE. 6"	2.000	SY	9.054	SQ M
11170	PATCHING HYDRAULIC CEMENT CONC. PAVE. 7"	2.000	SY	9.054	SQ M
11180	PATCHING HYDRAULIC CEMENT CONC. PAVE. 8"	2.000	SY	9.054	SQ M
11181	PATCHING HYDRAULIC CEMENT CONC. PAVE.	2.000	SY	9.054	SQ M

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR	ITEM UNIT	FUEL FACTOR	ITEM UNIT
		gal/unit		liters/unit	
13565	RETAINING WALL EXCAVATION	0.290	CY	1.436	CU M
14260	CRUSHER RUN AGGREGATE NO. 25 OR 26	0.400	TON	1.665	MTON
15290	PATCHING CEM. CONC. PAVE. TY. CRCP-A	2.000	SY	9.054	SQ M
15301	PATCHING CEMENT CONC. PAVE., TYPE I	2.000	SY	9.054	SQ M
15302	PATCHING CEMENT CONC. PAVE., TYPE II	2.000	SY	9.054	SQ M
15303	PATCHING CEMENT CONC. PAVE., TYPE III-P	2.000	SY	9.054	SQ M
15304	PATCHING CEMENT CONC. PAVE., TYPE III-F	2.000	SY	9.054	SQ M
15305	PATCHING CEMENT CONC. PAVE., TYPE IV-A	2.000	SY	9.054	SQ M
15306	PATCHING CEMENT CONC. PAVE., TYPE IV-S	2.000	SY	9.054	SQ M
15307	PATCHING CEMENT CONC. PAVE.TY.IV(15'<L<40')	2.000	SY	N/A	
15308	PATCHING CEMENT CONC. PAVE. TY.IV (L>40')	2.000	SY	N/A	
15350	GRINDING CONCRETE PAVEMENT	0.200	SY	0.905	SQ M
16110	EMUL. ASPH. SLURRY SEAL TYPE A	0.010	SY	0.045	SQ M
16120	EMUL. ASPHALT SLURRY SEAL TYPE B	0.010	SY	0.045	SQ M
16130	EMUL. ASPHALT SLURRY SEAL TYPE C	0.010	SY	0.045	SQ M
16153	AGGR. NO. 8 P	0.006	SY	0.027	SQ M
16161	MODIFIED SINGLE SEAL	0.013	SY	0.590	SQ M

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR	ITEM UNIT	FUEL FACTOR	ITEM UNIT
		gal/unit		liters/unit	
16162	MODIFIED DOUBLE SEAL	0.019	SY	0.860	SQ M
16242	AGGR. BASE MATL. TY. I OR II NO. 21A OR 21B	0.600	TON	2.500	MTON
16325	ASPHALT CONCRETE	3.500	TON	14.600	MTON
16330	ASPHALT CONCRETE TY. SM-9.0A	3.500	TON	N/A	
16335	ASPHALT CONCRETE TY. SM-9.5A	3.500	TON	N/A	
16340	ASPHALT CONCRETE TY. SM-9.5D	3.500	TON	N/A	
16342	ASPH. CONC. TY. SM-9.5DSL (SPOT LEVEL)	3.500	TON	N/A	
16345	ASPHALT CONCRETE TY. SM-9.5E	3.500	TON	N/A	
16350	ASPHALT CONCRETE TY. SM-12.5A	3.500	TON	N/A	
16352	ASPH. CON. TY. SM-12.5ASL(SPOT LEVEL)	3.500	TON	N/A	
16355	ASPHALT CONCRETE TY. SM-12.5D	3.500	TON	N/A	
16357	ASPH. CON. TY. SM-12.5DSL(SPOT LEVEL)	3.500	TON	N/A	
16360	ASPHALT CONCRETE TY. SM-12.5E	3.500	TON	N/A	
16361	ASPHALT CONCRETE TY. SM-19.0	3.500	TON	N/A	
16362	ASPHALT CONCRETE TY. SM-19.0A	3.500	TON	N/A	
16365	ASPHALT CONCRETE TY. IM-19.0A	3.500	TON	N/A	
16370	ASPHALT CONCRETE TY. IM-19.0D	3.500	TON	N/A	

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR gal/unit	ITEM UNIT	FUEL FACTOR liters/unit	ITEM UNIT
16375	ASPHALT CONCRETE TY. BM-25.0	3.500	TON	N/A	
16376	ASPH. CONC. TY. BM-25.0T (TRENCHING)	3.500	TON	N/A	
16377	ASPHALT CONCRETE TY. BM-37.5	3.500	TON	N/A	
16386	FLEXIBLE PAVEMENT PLANING	0.110	SY	N/A	
16388	FLEXIBLE PAVEMENT PLANING	0.074	SY	N/A	
16390	ASPHALT CONCRETE TY. BM-25.0A	3.500	TON	14.600	MTON
16392	ASPHALT CONCRETE TY. BM-25.0D	3.500	TON	14.600	MTON
16400	STONE MATRIX ASPHALT SMA-9.5(70-22)	4.000	TON	16.680	MTON
16401	STONE MATRIX ASPHALT SMA-9.5(76-22)	4.000	TON	16.680	MTON
16402	STONE MATRIX ASPHALT SMA-12.5(70-22)	4.000	TON	16.680	MTON
16403	STONE MATRIX ASPHALT SMA-12.5(76-22)	4.000	TON	16.680	MTON
16404	STONE MATRIX ASPHALT SMA-19.0(70-22)	4.000	TON	16.680	MTON
16405	STONE MATRIX ASPHALT SMA-19.0(76-22)	4.000	TON	16.680	MTON
16515	NS FLEXIBLE PAVEMENT PLANING	0.160	SY	N/A	
16516	FLEXIBLE PAVEMENT TIE-IN PLANING 0" - 2"	0.071	SY	N/A	
16517	FLEXIBLE PAVEMENT TIE-IN PLANING 2" - 4"	0.160	SY	N/A	
16522	FLEXIBLE PAVEMENT	0.071	SY	N/A	

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ITEM NUMBER	ITEM DESCRIPTION	FUEL FACTOR gal/unit	ITEM UNIT	FUEL FACTOR liters/unit	ITEM UNIT
	PLANING 0" - 2"				
16523	FLEXIBLE PAVEMENT PLANING 2" - 4"	0.160	SY	N/A	
24260	CR. RUN AGGR. NO. 25 OR 26	0.600	TON	2.500	MTON
24410	DEMOLITION OF PAVEMENT	0.200	SY	0.905	SQ M
24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	0.200	SY	0.905	SQ M
26117	DRY RIPRAP CL. AI	0.400	TON	1.665	MTON
26119	DRY RIPRAP CL.I 18"	0.400	TON	1.665	MTON
26224	DRY RIPRAP CL.II 24"	0.530	SY	2.399	SQ M
26271	NS DRY RIPRAP	0.400	TON	1.665	MTON
27430	SILTATION CONTROL EXCAVATION	0.290	CY	1.436	CU M
27545	STORM WATER MANAGEMENT BASIN EXCAVATION	0.290	CY	1.436	CU M
60403	CONCRETE CLASS A3	1.892	CY	9.366	CU M
60404	CONCRETE CLASS A4	1.892	CY	9.366	CU M
64011	STRUCTURE EXCAVATION	0.290	CY	1.436	CU M
65013	CONCRETE CLASS A3	1.892	CY	9.366	CU M
65014	CONCRETE CLASS A4	1.892	CY	9.366	CU M
68040	CONCRETE CLASS A4	1.892	CY	9.366	CU M
69030	CONCRETE CLASS A3	1.892	CY	9.366	CU M
69040	CONCRETE CLASS A4	1.892	CY	9.366	CU M