



AS-READ BID TABULATION

BID: MC19-10
DEPARTMENT: Highway
FOR: MC16-04 Hwy 137 Surfacing
BIDS RECEIVED AT: Minnehaha County Auditor's Office
BIDS RECEIVED ON: 3-Apr-19

Bidders	Bid Bond	Addendum	Base	Schedule A	Schedule B	Total Bid Price
Complete Concrete	x	x	\$1,026,851.00	\$3,328,850.46		\$4,355,701.46
Bx Civil & Construction Inc.	x	x	\$810,021.70	\$4,188,978.30		\$4,999,000.00
Black Top Paving Company	x	x	\$715,094.50		\$2,398,864.60	\$3,113,959.10
Asphalt Surfacing Company	x	x	\$585,740.43		\$2,547,657.40	\$3,133,397.83
Bituminous Paving Inc.	x	x	\$620,107.10		\$2,285,697.50	\$2,905,804.60
Reedee Constructiton Inc.	x	x	\$838,329.00	\$3,731,261.40		\$4,569,590.40
Central Specialties Inc.	x	x	\$683,122.85		\$2,481,869.75	\$3,164,992.60
Double H Paving Inc.	x	x	\$619,396.05		\$2,331,442.60	\$2,950,838.65
Duininck Inc.	x	x	\$753,500.50		\$2,405,558.00	\$3,159,058.50

LIFE CYCLE COST ANALYSIS
HWY 137 - 5" Asphalt Paving

INITIAL CONSTRUCTION COSTS				
Item	Units	Unit Cost	Quantities	Total Cost
Base Bid				\$ 620,107.00
Asphalt Concr Composite	Ton	\$63.00	36,077.00	\$2,272,851
Special Asphalt Binder	Ton	\$1.00	2,164.50	\$2,165
Grind 8" Rumble Strip	Mile	\$640.00	12.70	\$8,128
4" Transverse Rumble Strip	Ft	\$8.00	113.00	\$904
Asphalt for Flush Seal	Ton	\$1,500.00	1.10	\$1,650
Estimate				\$2,905,805

LIFE CYCLE COSTS-Bituminous				
		DISCOUNT RATE: 0 %		
Maintenance Activity	Year	Cost Per Mile	Present Worth Factor (P/F)	Present Worth Today
Initial Construction	0	458,546	1.0000	\$458,546
	1		1.0000	\$0
Chip Seal & Fog	2	38,098	1.0000	\$38,098
	3		1.0000	\$0
	4		1.0000	\$0
	5		1.0000	\$0
	6		1.0000	\$0
	7		1.0000	\$0
	8		1.0000	\$0
Crack Filling	9	4,500	1.0000	\$4,500
Micro Surfacing	10	41,400	1.0000	\$41,400
	11		1.0000	\$0
	12		1.0000	\$0
	13		1.0000	\$0
	14		1.0000	\$0
	15		1.0000	\$0
	16		1.0000	\$0
Crack Filling	17	6,000	1.0000	\$6,000
Chip Seal & Fog	18	38,098	1.0000	\$38,098
	19		1.0000	\$0
	20		1.0000	\$0
	21		1.0000	\$0
Patching	22	15,400	1.0000	\$15,400
	23		1.0000	\$0
	24		1.0000	\$0
	25		1.0000	\$0
	26		1.0000	\$0
	27		1.0000	\$0
Profile mill and 2" Overlay	28	164,560	1.0000	\$164,560
	29		1.0000	\$0
Crack Filling	30	9,000	1.0000	\$9,000
Chip Seal & Fog	31	38,098	1.0000	\$38,098
	32		1.0000	\$0
	33		1.0000	\$0
	34		1.0000	\$0
	35		1.0000	\$0
	36		1.0000	\$0
Crack Filling	37	9,000	1.0000	\$9,000
Micro Surfacing	38	41,400	1.0000	\$41,400
	39		1.0000	\$0
	40		1.0000	\$0
	41		1.0000	\$0
	42		1.0000	\$0
	43		1.0000	\$0
	44		1.0000	\$0
	45		1.0000	\$0
SALVAGE VALUE:				
TOTAL/mi:				\$864,100

6.337 \$5,475,803
-\$876,054
\$ / miles per year (45 yrs) \$ 19,202.23

LIFE CYCLE COST ANALYSIS
HWY 137 - 7" Concrete Paving

INITIAL CONSTRUCTION COSTS				
Item	Units	Unit Cost	Quantities	Total Cost
Base Bid				\$ 1,026,851.00
7" Non Reinforced PCC Pvmt	SY	\$23.85	124,944.00	\$2,979,914
DOWEL BARS (14' spacing: 12 per joint)	EA	\$11.00	28,680.00	\$315,480
Grooving For Durable Pvmt Mrkg - 4"	FT	\$0.32	21,478.00	\$6,873
Grooving For Durable Pvmt Mrkg - 6"	FT	\$0.65	38,724.00	\$25,171
4" Transverse Rumble Strip.	FT	\$12.50	113.00	\$1,413
ESTIMATE				\$4,355,701

LIFE CYCLE COSTS-Concrete				
		DISCOUNT RATE: 0 %		
Maintenance Activity	Year	Cost Per Mile	Present Worth Factor (P/F)	Present Worth Today
Initial Construction	0	687,344	1.0000	\$687,344
	1		1.0000	\$0
	2		1.0000	\$0
	3		1.0000	\$0
	4		1.0000	\$0
	5		1.0000	\$0
	6		1.0000	\$0
	7		1.0000	\$0
Joint Seal	8	40,000	1.0000	\$40,000
	9		1.0000	\$0
	10		1.0000	\$0
	11		1.0000	\$0
	12		1.0000	\$0
	13		1.0000	\$0
	14		1.0000	\$0
	15		1.0000	\$0
	16		1.0000	\$0
	17		1.0000	\$0
Minor CPR & FDR	18	60,000	1.0000	\$60,000
	19		1.0000	\$0
	20		1.0000	\$0
	21		1.0000	\$0
	22		1.0000	\$0
	23		1.0000	\$0
	24		1.0000	\$0
	25		1.0000	\$0
	26		1.0000	\$0
	27		1.0000	\$0
	28		1.0000	\$0
	29		1.0000	\$0
Route & Seal	30	65,000	1.0000	\$65,000
	31		1.0000	\$0
	32		1.0000	\$0
	33		1.0000	\$0
	34		1.0000	\$0
	35		1.0000	\$0
Minor CPR + FDR + Diamond Grind	36	150,000	1.0000	\$150,000
	37		1.0000	\$0
	38		1.0000	\$0
	39		1.0000	\$0
	40		1.0000	\$0
	41		1.0000	\$0
	42		1.0000	\$0
	43		1.0000	\$0
	44		1.0000	\$0
	45		1.0000	\$0
	46		1.0000	\$0
	47		1.0000	\$0
	48		1.0000	\$0
	49		1.0000	\$0
	50		1.0000	\$0
SALVAGE VALUE:				
TOTAL/mi:				\$1,002,344

6.337 \$6,351,856
\$876,054
\$ / mile per year (50 yrs) \$ 20,046.89

Initial Cost Difference
\$1,449,897 50%

38231.51659

64729.43318

120,000

Cost Difference
\$876,054 16%

Difference

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	24		1.0000	\$0
	25		1.0000	\$0
	26		1.0000	\$0
	27		1.0000	\$0
	28		1.0000	\$0
	29		1.0000	\$0
Route & Seal	30	65,000	1.0000	\$65,000
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	32		1.0000	\$0
	33		1.0000	\$0
	34		1.0000	\$0
	35		1.0000	\$0
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	37		1.0000	\$0
	38		1.0000	\$0
	39		1.0000	\$0
	40		1.0000	\$0
	41		1.0000	\$0
	42		1.0000	\$0
	43		1.0000	\$0
	44		1.0000	\$0
	45		1.0000	\$0
	46		1.0000	\$0
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