



CENTERLINE

731 St. Joseph Street ♦ Suite 120
Rapid City, South Dakota 57701
PH: 605-341-3193 FX: 605-341-3358
centrline@aol.com

Plum Creek Oversize Request

TO: Mayor Shaw – IDPF Committee
FROM: Lawrence M. Kostaneski, PE
DATE: June 16, 2005

RE: 04-104 Plum Creek Subdivision Ph 2: IDPF Funding Request – **Oversize reimbursement request**
CC: Plum Creek LLC, Growth Management; Public Works Dept.
Message: Please reference the enclosed estimate.

At the June 10, 2005 IDPF meeting the committee approved a funding request for up to ~ \$700,000, with a stipulation requiring any proposed oversize or extraordinary costs be submitted for review. The attached preliminary reimbursement estimate reflects the amount requested for oversize costs for the Minnesota Street arterial. A final estimate will be prepared with final design. Ultimately, of course, reimbursement will be based on actual bid prices.

Grading quantities represent the amount of embankment required for the roadway section to cross the existing major channel and meet the SE Connector at the city's preferred intersection for Minnesota St. This quantity also reflects mitigating the impact to the adjacent property.

Water and sewer items are the typical over-sizing costs between trunk lines and local distribution mains.

Storm sewer and inlets represent the difference between an arterial and collector. The 60" RCP is needed because of the large roadway embankment required for the Minnesota Street connection to the SE Connector.

Paving quantities represent the difference between a 3 lane asphalt collector and a 5 lane concrete arterial.

Providing the city recognizes these as legitimate oversize (extraordinary) costs that are eligible for reimbursement, it would seem that a \$700,000 IDPF credit is appropriate.

Repayment source for the finally agreed upon oversize costs should be resolved prior to advertising the project for bids, which doesn't seem an insurmountable task at this point.

Your prompt attention to this request is appreciated. Please call with questions. Thanks.

END

Project: Plum Creek Subdivision: Phase 2 ESTIMATE

Minnesota St Oversize Reimbursement

Furnish and Install all items listed complete and in place.

DATE: 6/17/05

REF 5/26/05 IDF request estimate

Construction Costs	Quantity	Unit	Unit Cost	Extended	5/26/05 IDPF estimate
Mobilization	1	LS	11000.00	11,000	\$44,000
Unc. Excavation	150,000	cy	1.10	165,000	332,500 cy; \$365,750
Place topsoil	750	cy	5.00	3,750	2500 cy ; \$12,500
6 inch PVC sewer service	-	lf	20.00	-	
8" PVC sewer	-	lf	20.00	-	
Connect to ex sewer main	-	ea	500	-	
12" PVC sewer main	650	lf	2.00	1,300	\$22/LF; 14,300
Std Manholes	-	ea	1900	-	
EX depth MH	-	VF	250.00	-	
6 inch PVC Water Main	-	lf	20.00	-	
12 inch PVC Water Main	550	lf	5.00	2,750	\$27/LF; 14,850
16" DR 25 PVC Water Main	700	lf	15.00	10,500	\$38/ LF: 26,600
DIP Bends	4	ea	350	1,400	\$650/Ea; \$2,600
Connect to ex water main	-	ea	650	-	
12" B-Fly Valve & box	4	ea	600	2,400	\$1600/ea; 6,400
16" B-Fly Valve & box	3	ea	1800	5,400	\$2800/ea; \$8400
Hydrants w/ aux. Valve	-	ea	2500	-	
24 inch RCP storm sewer	-	lf	40	-	
30 inch RCP storm sewer	-	lf	50.00	-	
60 inch RCP storm sewer	1,400	lf	150	210,000	\$170/lf; \$238,000
48 inch RCP storm sewer	20	lf	100	2,000	\$100/lf; \$2,200
5' Type E inlet	4	ea	2000	8,000	\$2,500/ea; \$10,000
10' Type E inlet	4	ea	3000	12,000	\$3,600/ea; \$14,400
					Surfacing: 47% Quantity reduction, Arterial v. collector
2" gravel cushion	47	ton	15.00	705	100 T; \$1,500
Aggregate Basecourse	800	ton	15.00	12,000	2550 T; \$38,250
B67 C&G	-	lf	15.00	-	
4" sidewalk	-	sf	3.50	-	
RC Fillet	-	sy	50.00	-	
RC Pan	-	sy	2500	-	
8" NR PCC Pavement	3,400	sy	48	163,200	4200 sy; \$201,600
Bituminous tack coat	-	sy	0.7	-	
AC Paving CI G Type 1	-	ton		-	
Pavement marking	0.25	ls	4000	1,000	1 ls; \$4,000
Silt Fence	-	lf	4.00	-	
Seed, Fertilize, Mulch	1	ac	2500.00	2,500	5 ac; \$12,500
Misc, incidentals	-	ls	0.70	-	
Sub Total Reimbursement				614,905	
2% Excise Tax	1	ls	10700.00	10,700	2% * 532,405
Prof Svcs	1	ls	58600.00	58,600	11% 532,405
TOTAL REIMBURSEMENT				684,205	Requested reimbursement amount for oversize