

ENGINEER'S AGENDA
City of Mapleton Council Meeting
Tuesday, September 6, 2011 at 6:00 pm

1.0 City Engineer

1.1 Meridian Grove Drain Tile

- 1.1.1 Bid Opening on September 1, 2011
- 1.1.2 Will review bids and recommend to award or reject
- 1.1.3 Engineering Invoice #1853 for \$4,709.65

1.2 Levee Recertification

- 1.2.1 On hold until Base Flood Elevation is established

1.3 Cass County Highway 11 Reconstruction

- 1.3.1 Update on Status
- 1.3.2 Held Final Inspection on August 11
 - 1.3.2.1 Reseeding areas with inadequate growth
 - 1.3.2.2 Cracks in pavement (replace or repair)

1.4 Ashmoor Glen 2nd Addition – Street Improvement District No. 2010-1

- 1.4.1 Bid Opening September 6, 2011
- 1.4.2 Will review bids and recommend to award or reject

1.5 Ashmoor Glen 1st Addition – Street Improvement 2012

- 1.5.1 Engineer's Preliminary Cost Estimate



Shaping the Region for 50 Years.

925 10th Avenue East • West Fargo, ND 58078

T: 701.282.4692 F: 701.282.4530

City of Mapleton
P O Box 9
Mapleton, ND 58059-0009

Invoice number 1853
Date 08/31/2011

Project **15535 Mapleton Storm Sewer / Drainage Improvement**

Professional Services

Phase 300

Basic Services

Labor

	Hours	Rate	Billed Amount
CADD Manager	2.00	105.00	210.00
Administrative Assistant	4.00	55.00	220.00
CADD Technician II	16.00	90.00	1,440.00
Professional Engineer	21.50	125.00	2,687.50
Senior Project Manager	1.00	145.00	145.00

Expense

	Units	Rate	Billed Amount
Miles	11.00	0.65	7.15

Phase subtotal 4,709.65

Invoice total **4,709.65**

Invoice Supporting Detail

15535 Mapleton Storm Sewer / Drainage Improvement
 300 Basic Services

Phase Status: Active

Billing Cutoff: 08/26/2011

Date	Units	Rate	Amount
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Labor WIP Status: Billable

Administrative Assistant

Brenda J. Koski

Administrative Assistant	08/08/2011	1.50	55.00	82.50
Administrative Assistant	08/10/2011	1.00	55.00	55.00
Administrative Assistant	08/18/2011	0.50	55.00	27.50
Administrative Assistant	08/26/2011	1.00	55.00	55.00

Subtotal 4.00 220.00

CADD Manager

Martin P. Lehman

CADD Manager	08/16/2011	1.00	105.00	105.00
CADD Manager	08/26/2011	1.00	105.00	105.00

Subtotal 2.00 210.00

CADD Technician II

Alex C. Thiel

CADD Technician II	08/02/2011	1.50	90.00	135.00
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ENGINEERS REPORT

Subtotal 1.50 135.00

Thomas W. Nilles

CADD Technician II	08/16/2011	4.00	90.00	360.00
CADD Technician II	08/19/2011	5.00	90.00	450.00
CADD Technician II	08/26/2011	0.50	90.00	45.00
CADD Technician II	08/26/2011	5.00	90.00	450.00

Subtotal 14.50 1,305.00

Professional Engineer

Brandon L. Oye

Professional Engineer	07/17/2011	1.75	125.00	218.75
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-Meeting with Ron Knutson and Eric Hillman

Professional Engineer	07/20/2011	0.50	125.00	62.50
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-Meeting with Kent to discuss project status

Professional Engineer	07/21/2011	2.00	125.00	250.00
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*-Attended special City meeting to discuss project
 -Visited project site to determine feasible locations of easements*

Professional Engineer	07/26/2011	0.75	125.00	93.75
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*-Call to Shockley to discuss legal requirements
 -Getting maps together*

Professional Engineer	07/27/2011	1.25	125.00	156.25
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*-Meeting with Eric Hillman & Andy to discuss plan
 -Meeting with Kent Ritterman and Roger Fenstad to discuss plan*

Professional Engineer	08/02/2011	3.50	125.00	437.50
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*-Prepared Engineer's Report and probable cost estimate
 -Attended council meeting to present Report and discuss project*

Professional Engineer	08/05/2011	0.25	125.00	31.25
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-Working on Ad for Bid

Professional Engineer	08/15/2011	2.25	125.00	281.25
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-Spec book

Invoice Supporting Detail

15535 Mapleton Storm Sewer / Drainage Improvement
 300 Basic Services

Phase Status: Active

Billing Cutoff: 08/26/2011

Date	Units	Rate	Amount
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Labor WIP Status: Billable

Professional Engineer

Brandon L. Oye

Professional Engineer 08/16/2011 1.00 125.00 125.00

-Spec book

Professional Engineer 08/17/2011 6.25 125.00 781.25

-Plan redlines

Professional Engineer 08/19/2011 1.00 125.00 125.00

-Plan redlines

Professional Engineer 08/26/2011 1.00 125.00 125.00

Subtotal 21.50 2,687.50

Senior Project Manager

Kent W. Ritterman

Senior Project Manager 07/27/2011 0.50 145.00 72.50

Review Drain tile option being pursued by land owners with Brandon

Senior Project Manager 07/28/2011 0.50 145.00 72.50

Review Drain tile option being pursued by land owners with Brandon

Subtotal 1.00 145.00

Labor total 44.50 4,702.50

Expense WIP Status: Billable

In-house Expense

Mileage 08/05/2011 11.00 0.65 7.15

Subtotal 11.00 7.15

Expense total 11.00 7.15

Invoice Summary

	Contract	Billed	%	Remaining	%
Labor	3,500.00	4,702.50	134	-1,202.50	-34
Expense		7.15		-7.15	
Consultant					
Total	3,500.00	4,709.65	135	-1,209.65	-35

**STREET IMPROVEMENTS 2012
ASHMOOR GLEN 1ST ADDITION
MAPLETON, ND**

Engineer's Preliminary Cost Estimate

ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
1. Mobilization	L.Sum	1	\$7,500.00	\$7,500.00
2. Asphalt Milling - 1 1/2"	S.Y.	2,022	\$3.00	\$6,066.00
3. Asphalt Overlay - 1 1/2"	S.Y.	2,022	\$6.50	\$13,143.00
4. Curb & Gutter - Sand Jack	L.F.	195	\$6.00	\$1,170.00
5. Curb & Gutter - Remove & Replace	L.F.	20	\$60.00	\$1,200.00
6. Driveway - Concrete - Remove & Replace	S.Y.	28	\$100.00	\$2,800.00
7. Chip Seal	S.Y.	16,921	\$2.25	\$38,072.25
8. Traffic Control	L.Sum	1	\$1,500.00	\$1,500.00
9. Material Testing	Invoice	1	\$500.00	\$500.00

Total Construction	\$71,951.25
Preliminary Engineering	\$4,000.00
Design Engineering	\$6,000.00
Construction Engineering	\$3,000.00
Assessments	\$1,500.00
Legal	\$3,000.00
Bond Counsel	\$3,500.00
Fiscal Agent & Bond Registration	\$6,500.00
Bond Discount (1.5%)	\$1,700.00
Admin. & Publishing	\$1,500.00
Capitalized Interest (6 mos @ 6.0%)	\$3,400.00
Contingencies	\$7,448.00
TOTAL PROJECT	\$113,500.00

Total Front Footage 5790
Cost Per Foot \$19.61

Total Lots 60
Average Front Footage/Lot 96.5
Average Cost/Lot \$1,892.37