

29.



City of West Allis Matter Summary

7525 W. Greenfield Ave.
West Allis, WI 53214

File Number	Title	Status
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R-2007-0219 Resolution In Committee

Resolution authorizing and directing the City Engineer to pay for sanitary sewer lateral repairs at 801 South 60th Street in the amount of \$24,405.08.

Introduced: 9/4/2007

Controlling Body: Public Works Committee

Sponsor(s): Public Works Committee

COMMITTEE RECOMMENDATION **ADOPT**

ACTION DATE:	MOVER	SECONDER		AYE	NO	PRESENT	EXCUSED
			Barczak				
			Czaplewski				
			Dobrowski	✓			
			Kopplin	✓			
			Lajsic				
			Narlock	✓			
			Reinke				
	✓		Sengstock	✓			
		✓	Vitale	✓			
			Weigel				
			TOTAL	5	-		

SIGNATURE OF COMMITTEE MEMBER

Ralph Kopplin _____
Chair Vice-Chair Member

COMMON COUNCIL ACTION **ADOPT**

ACTION DATE:	MOVER	SECONDER		AYE	NO	PRESENT	EXCUSED
			Barczak	✓			
			Czaplewski	✓			
			Dobrowski	✓			
			Kopplin	✓			
			Lajsic	✓			
	✓		Narlock	✓			
			Reinke	✓			
			Sengstock	✓			
		✓	Vitale	✓			
			Weigel	✓			
			TOTAL	10	-		



City of West Allis

7525 W. Greenfield Ave.
West Allis, WI 53214

Resolution

File Number: R-2007-0219

Final Action:
SEP 04 2007

Sponsor(s): Public Works Committee

Resolution authorizing and directing the City Engineer to pay for sanitary sewer lateral repairs at 801 South 60th Street in the amount of \$24,405.08.

WHEREAS, the Board of Public Works has a long standing policy of the City's responsibility for making repairs to sanitary sewer laterals from the point of connection to the main sanitary sewer line up through the riser connection; and,

WHEREAS, the Engineering Department has determined that the sanitary sewer lateral at 801 South 60th Street failed based on field observations; and,

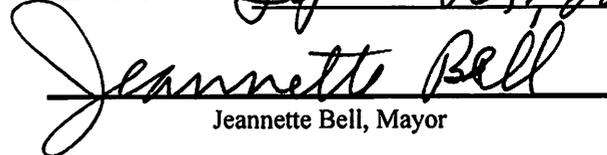
NOW, THEREFORE, BE IT RESOLVED By the Common Council of the City of West Allis that the City Engineer be and is hereby authorized and directed to make fair payment for the repair work to Rozga Plumbing and Heating Corporation in the amount of \$24,405.08 from Account #501-2901-537-61-02.

ADOPTED SEP 04 2007



Paul M. Ziehler, City Admin. Officer, Clerk/Treas.

APPROVED

September 7, 2007


Jeannette Bell, Mayor



ENGINEERING DEPARTMENT

Michael G. Lewis
City Engineer

414/302-8360
414/302-8366 (Fax)

City Hall
7525 West Greenfield Avenue
West Allis, Wisconsin 53214

www.ci.west-allis.wi.us
mlewis@ci.west-allis.wi.us

MEMORANDUM

TO: Michael Lewis, City Engineer

FROM: Brian D. Block, Traffic & Utility Technician 

DATE: August 17, 2007

RE: Claim Against the City of West Allis by Rozga Plumbing and Heating Corporation for Sanitary Relay and Lateral Reconnects at 801 S. 60 St.

SUMMARY

Rozga Plumbing applied for and received a City Permit Number 3620 to repair a sanitary sewer lateral at 801 S. 60 St. (Tax Key No. 439-0002-008) on 04-04-07. Rozga Plumbing excavated in the pavement area and found that the addressed location lateral had no connection to the sanitary main. Rozga Plumbing completed a sanitary relay with 2 sanitary reconnects then restored the pavement in the excavated area.

FINDINGS & OBSERVATIONS

Existing Conditions & Known Utilities in S. 60 St. at the address 801 S. 60 St.

The Right of Way in S. 60 St. at the above-addressed location is 66 feet wide. A 50 feet wide composite asphalt-concrete pavement with concrete curb and gutters is centered in the Right of Way. There are concrete sidewalks on the east and west sides of S. 60 St. The pavement is a composite with asphalt surface and concrete base. The Hot Mix Asphalt surface was placed in 1975. The City of West Allis underground utilities in S. 60 St. at the referenced address consists of the following:

<u>UTILITY</u>	<u>YEAR INSTALLED</u>	<u>LOCATION</u>
10" sanitary sewer	1912	30ft. west of the east RoW line
6" water main	1908	24ft. west of the east RoW line
12" storm sewer	1965	9.5ft. west of the east RoW line

Records indicate that the existing sanitary sewer lateral at 801 S. 60 St. is an 8" clay pipe. The distance from the east side of the building to the sanitary main is approximately 150 feet.

A City Televising Report dated 7/29/04 indicates that a sanitary spot relay had occurred on the sanitary main in S. 60 St. at the location of the lateral to 801 S. 60 St., since the notes show that the pipe material changes from clay to PVC for 13 feet at the location of the 8" lateral. Additionally, an existing asphalt

patch (apx. 6' x 20') above the location of the sanitary main was observed at the location of the lateral for 801 S. 60 St. No As-Built information could be found for a sanitary spot relay at this location.

CHRONOLOGY

04-04-07

Excavation Permit No. 3620 was issued to Rozga Plumbing & Heating Corp. for the repair of a sanitary lateral at 801 S. 60 St. At the time of issuance of the permit, Bill Rozga stated that they had been working on the sanitary lateral on the property side and discovered that a telecommunications line had been installed through the lateral on the property and out of S. 60 St. Right of Way.

Bill Rozga stated that repairs were made to that section but that problems still remained in the lateral, since water was not receding and there was a blockage discovered somewhere out under the pavement section of S. 60 St. The blockage location was estimated at approximately 5 feet west of the centerline of S. 60 St.

04-05-07

Rozga Plumbing & Heating Corp. excavated at the suspected blockage location in the lateral at 5 feet west of the centerline. Rozga opened the lateral at this location and found it was full of clear limestone chips. Rozga attempted to clear the stone from the lateral through the opening they made and by pulling stone and debris toward the opening.

Kenway Inc., a Rozga subcontractor, was on site to clear the lateral with the use of a water jet, and then pulling the loose materials and finally by attempting to clear the lateral with the aid of a power auger. They were unsuccessful in opening the lateral.

Progress was slow going due to utility conflicts in the area of the suspected blockage location. Utility conflicts are as follows: a gas main at 7.5 feet west of centerline, a telecommunications package at 5 feet west of the centerline and a second telecommunications package at 3 feet west of centerline.

I interviewed Steve Caveney of Pentagon Property Management, LLC, the Property Manager of the 801 S. 60 St. properties. Mr. Caveney stated that the property that the sanitary lateral serves was vacant for approximately 7 years, since the Sam's Club moved out and he further stated that when Sam's Club was there, the bathroom was only used occasionally by Sam's Club mechanics that work in the automotive section located on the east side of the building. The building and that particular bathroom were now being used on a frequent basis.

04-06-07

Valley Hydro-Excavator LLC, a Rozga subcontractor was on site to excavate down to the lateral around the utility conflicts, using high-pressure water and then vacuuming the debris. Valley Hydro-Excavator LLC completed their work and Rozga installed trench shields and bracing for the walls. Rozga broke open and exposed the lateral at approximately the centerline of S. 60 St. and determined that additional excavation would be required from the centerline of S. 60 St. to the east or toward the sanitary relay section.

04-09-07

Rozga excavated over the sanitary main and found that there was no lateral connection for the 801 S. 60 St. lateral and that the existing lateral ended abruptly at the west trench wall of the existing sanitary relay trench. I instructed Rozga that a sanitary spot relay with 2 lateral reconnections would be required. Rozga installed an 8" saddle tee connection to the main and connected the existing 8" sanitary lateral for 801 S. 60 St. Additionally, it was necessary to reconnect the existing lateral for 818 S. 60 St. that was found in the relay section. The lateral for 818 S. 60 St was found connected to the existing spot relay. A

section of 8" lateral from 8 feet west of the centerline to 14 feet west of the centerline for 801 S. 60 St. was also replaced with 8" PVC pipe.

04-10-07

Rozga flushed all backfill in the trench area to a depth of the sub-grade of the pavement and placed steel plates over all sections excavated in S. 60 St. so that all lanes of traffic were open for public use. I called in to Public Works Department- Streets & Sanitation Division, to notify them of the plates in the roadway.

04-11-07

A seven-inch snowstorm occurred during the day, beginning at approximately 7AM with light snow and then changing to heavy snow at about noon. Snow continued into the afternoon hours until ending at approximately 4PM

At approximately 3:30 PM, Bill Rozga telephoned Engineering Department to say that he received notice that the steel road plates covering the excavation in S. 60 St. had shifted and a vehicle had driven into the void area of pavement. He stated that he was sending someone from his company out to reset the plates and would meet with Bruce Danowski from Public Works. Rozga reset the plates and placed asphalt that the City yards provided around the steel road plates.

Note that on 04-13-07, Forest Cvikel telephoned Engineering Department and claimed that he drove his car into an area in the 800 block of S. 60 St. where a plate had shifted on 04-11-07. He stated that he damaged his car and hurt his back and that he doesn't have health insurance.

Additionally, he stated that he knows that the City plows didn't move the plate with snow plowing operations because he saw the operator lift the blade to avoid the plates. He stated that he talked with the plow operator who said that he reported a shifted plate one hour earlier.

04-13-07

Rozga placed concrete pavement in the east half of S. 60 St. maintaining two way traffic on the west half.

04-17-07

Rozga placed high early strength concrete in the west half of S. 60 St. and removed all plates from S. 60 St.

CONCLUSIONS/RECOMMENDATIONS

The installers of the existing 10" sanitary spot relay in S. 60 St. at the addressed location of 801 S. 60 St. were negligent in the omission of the reconnection of the lateral at the property. I have concluded from my observations on site when Rozga Plumbing & Heating exposed the lateral that a connection to the main was not provided for the lateral reconnection at the time of the sanitary spot relay.

The lateral abruptly ended at the trench for the relay and the lateral was found packed with stone from the bed and cover of that relay. Additionally, this supports the observation that the omission, although inadvertent, was still negligence by the installers. The contractor who completed the work remains undetermined since no records of the sanitary relay could be located.

I reviewed the Invoices submitted and recommend partial payment of the total submitted. I believe that any and all items listed on the submitted invoices arising from the shifting or the alleged moving of the plate by a City snowplow should be denied. The reason for this partial denial is as follows:

- Rozga Plumbing & Heating claims that a City snowplow hit the lifting ring section of the plate causing it to shift off from its position exposing the open excavation. I don't believe Rozga has

proven this claim. Forest Cvikel, the owner of the vehicle that dropped into the exposed excavation stated to Engineering Department that he knows the City crews didn't move the plates because he saw them lifting their blades while plowing over the plates. Additionally, the Plow Operators stated to John Krzyzaniak, Streets & Sanitation Superintendent, that they lifted their blades when going over the plates.

- Furthermore, Rozga Plumbing & Heating chose to secure their trench area in S. 60 St. with the use of steel road plates instead of other available methods, such as filling in the space with a temporary road surface material.
- Additionally, I believe that securing the steel road plates to prevent movement from a snowplow or from a passing vehicle was Rozga responsibility. The snow event was forecast to take place on 04-11-07 and Rozga chose to secure the roadway with the plates on 04-10-07. It would not have been unreasonable to expect that City crews would be out plowing this main arterial during a major snow event.
- Rozga's Invoice Page Number 2 states, "A forecast storm starting late the next day and peaking on Wed. 4-11-07 gave us concern to close this up as quickly as possible". The steel road plates that Rozga installed as a temporary surface were not pinned in place, as is standard industry practice.
- Pinning in place consists of the use of steel pins with caps placed through holes in the four corners of the steel plates and into holes drilled into the pavement to prevent horizontal movement. Additionally, the lifting rings on the Rozga plates were not protected in any way, such as square steel stock welded to the plate adjacent to the rings to prevent damage to the rings. This is also a standard industry practice.

I believe the following items should be denied from the Rozga Claim

<u>INVOICE PAGE NO.</u>	<u>ITEM</u>	<u>AMOUNT</u>
3	3-Man Crew for 2.50 hours on 04-11-07	\$1,230.00
3	Laborer- Excavation Crew for 2.5 hours on 04-11-07	\$360.00
4	2-man crew for 1.50 hours on 4-16-07	\$261.00
5	2- steel d-rings for road plates	\$85.24
5	Reimbursement to Forest Cvikel	\$1,500.00

ROZGA'S SUBMITTED TOTAL = \$27,841.32

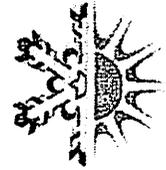
RECOMMENDED DENIAL AMOUNT = \$3,436.24

REMAINING CLAIM = \$24,405.08

- Attach:
- Rozga Claim 7-6-07
 - Email John Krzyzaniak 4-17-07
 - WAPD Call Report 4-11-07
 - Televising Report 7-29-04
 - Forest Cvikel Call in note 4-13-07
 - (2) Rozga provided pictures of plates with damaged rings
 - Weather Sheet 4-11-07

ROZGA

Plumbing & Heating Corporation



RECEIVED

JUL 6 6 2007

CITY OF WEST ALLIS
ENGINEERING DEPT

July 5, 2007

Mr. Brian Block

City of West Allis - Engineering
7525 W. Greenfield Ave.
West Allis, WI 53214

RE: Additional Documents
809 South 60th Street
Sanitary Sewer Repair

Dear Brian,

As per our discussion, I have already e-mailed you the pictures of the damaged road plates we repaired.

Here are copies of:

- 2- sets of invoices
- 2- other estimates from auto-body repair shops
- Copy of the police report
- Copy of the invoice from Valley Hydro-Excavating

The invoice was itemized line by line, additional material and or items are listed respectfully as is.

Thank you again for your help with this process.

Sincerely,

Bill Rozga
President

West Allis Police Department
Call Detail Report



07-015485	Road Hazard	Disposition	Update
04/11/07 15:4435	900BLK S 60 St	Unit	211
		Officer	es9467

CAD Comments

Check the steel plate over the construction hole seems to be shifted and has a gap now.
Dispatched: 211

Pto. Sturino Reports...

On Wednesday, 04/11/07, at 1544 hours, Road Hazard in the 800 block of S. 60 St. Contact was made with the complainant Forest D. Cvikel who stated his vehicle had sunken into the pavement after he had driven on a metal plate in the road, placed over a construction site by the city with his silver Toyota Corolla 4-dr, bearing Wisconsin registration 781-KXR. I observed the metal plate covering a large hole approximately 5' long and 1' deep visible. The metal plate had large scratches on the handles and it appeared to have been dragged by a snow plow. Forest said it did not appear his vehicle was visibly damaged, but said his vehicle was making strange noises when he applied the brake. West Allis city employees and Rozga employee Steven C. Rabe refilled the hole with crushed stone and placed the large metal plate over it.

Complainant

Cvikel, Forest D
M W 03/03/1980
5125 W National Ave
Milwaukee, WI 53214

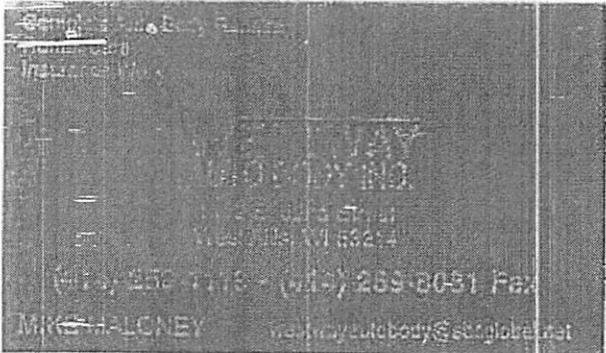
Contact

Rabe, Steven C
M W 05/15/1982
1529 S 113 St
West Allis, WI 53214

Business

Rozga Plumbing & Heating Corp

1529 S 113 St
West Allis, WI 53214



WAY AUTO BODY, INC.
 412 SO 62ND ST.
 ST ALLIS, WI 53214
 9 1119 FX. 414 259 8081
 TAX I.D. 39-1255918

NO 3569-1 DATE 04/19/07

INSP DATE: 04/19/07
 CONTACT: GINA
 HOME PHONE: (414)699-0554

OWNER: CVIKEL, FOREST
 ADDRESS: 5125 WEST NATIONAL AVE.
 CITY STATE: WEST MILWAUKEE, WI
 ZIP: 53214

LOSS DATE: 04/13/07 TYPE OF LOSS: OTHER/
 POINT OF IMPACT: 0
 DAYS TO REPAIR: 0

LIC#: STATE: WI VIN: INXBR32E46Z632408
 BODY COLOR: SILVER MILEAGE:
 CONDITION: EXCELLENT ACCTNG CTL#:

- *=USER-ENTERED VALUE
- EC=REPLACE ECONOMY
- UM=REMAN/REBUILT PRT
- OE=REPLACE PXN OE SRPLS
- TE=PARTL REPL PRICE
- I=REPAIR
- TT=TWO-TONE
- N=ADDITIONAL LABOR
- AA=APPEAR ALLOWANCE
- E=REPLACE OEM
- UE=REPLACE OE SURPLUS
- EU=REPLACE SALVAGE
- PC=PXN RECONDITIONED
- ET=PARTL REPL LABOR
- L=REFINISH
- CG=CHIPGUARD
- RI=R&I ASSEMBLY
- RP=RELATED PRIOR
- NG=REPLACE NAGS
- UC=RECONDITIONED PRT
- EP=REPLACE PXN
- PM=PXN REMAN/REBUILT
- IT=PARTIAL REPAIR
- BR=BLEND REFINISH
- SB=SUBLET
- P=CHECK
- UP=UNRELATED PRIOR

2006 TOYOTA COROLLA CE 4DOOR SEDAN 4CYL GASOLINE 1.8
 CODE: Y2114A/D OPTNS R/24

OPTIONS:

TWO-STAGE - EXTERIOR SURFACES TWO-STAGE - INTERIOR SURFACES

OP	GDE	MC	DESCRIPTION	MFG. PART NO.	PRICE	AJ%	B%	HOURS	P
E	0006		COVER, FRONT BUMPER	5211902946	191.40			1.5	1
L	0006	13	COVER, FRONT BUMPER	REFINISH				3.7	4
				2.6 SURFACE					
				0.6 TWO STAGE SETUP					
				0.5 TWO STAGE					
E	0017	01	SPOILER, LOWER FRONT	LT 7608302030C0	370.25			INC	1
E	0018	01	SPOILER, LOWER FRONT	RT 7608102030C0	370.25			INC	1
E	0952		WHEEL, FRONT	LT 42611AB010	334.14			0.3	1
E	1669		VALVE STEM	LT 9008045006	8.49				1
N	0974		SUSPENSION ALIGN, FRT	ADDNL LABOR OPERA				1.5	1
			FOUR WHEEL						

FA COROLLA CE 4DOOR SEDAN
NO 3569-1

3	FLEX ADDITIVE	ADDNL LABOR OPERA	12.00*	
160	HAZARD. WSTE. REM.	ADDNL LABOR OPERA	5.00*	
M66	COLOR, SAND & BUFF	REFINISH		0.6*4

10 ITEMS

MC MESSAGE(S)
01 CALL DEALER FOR EXACT PART NUMBER / PRICE
13 INCLUDES 0.6 HOURS FIRST PANEL TWO-STAGE ALLOWANCE

FINAL CALCULATIONS & ENTRIES

GROSS PARTS				1,274.59
OTHER PARTS				17.07
PAINT MATERIAL				135.00
PARTS & MATERIAL TOTAL				1,426.53
TAX ON PARTS & MATERIAL @			5.600%	79.89

LABOR	RATE	REPLACE HRS	REPAIR HRS	
1-SHEET METAL	50.00	1.8	1.5	165.00
2-MECH/ELEC	87.00			
3-FRAME	60.00			
4-REFINISH	50.00	4.5		225.00
5-PAINT MATERIAL	30.00			
LABOR TOTAL				390.00
TAX ON LABOR		@	5.600%	21.84
SUBLET REPAIRS				
TOWING				
STORAGE				

GROSS TOTAL 1,918.26

NET TOTAL 1,918.26

SHOPLINK UJ038 ES CD LOG 3569-1 DATE 04/19/07 10:24:15AM R6.37 CD 03/07
FXN: Y/00/00/00/00/00 CUM 00/00/00/00/00 GEOCODE 53214
HOST LOG
(C) 1998 - 2006 AUDATEX NORTH AMERICA, INC.

1.1 HRS WERE ADDED TO THIS EST. BASED ON AUDATEX TWO-STAGE REFINISH FORMULA.

THIS ESTIMATE HAS BEEN PREPARED BASED ON THE USE OF ONE OR MORE REPLACEMENT PARTS SUPPLIED BY A SOURCE OTHER THAN THE MANUFACTURER OF YOUR MOTOR VEHICLE. WARRANTIES APPLICABLE TO THESE REPLACEMENT PARTS ARE PROVIDED BY THE MANUFACTURER OR DISTRIBUTOR OF THE REPLACEMENT PARTS RATHER THAN BY THE MANUFACTURER OF YOUR MOTOR VEHICLE.

WEST ALLIS AUTO BODY
 8808 W. NATIONAL AVE.
 WEST ALLIS, WISC 53227
 PHONE: 414-327-4140 FAX: 414-327-0033

CD LOG NO 2272-1 DATE 04/13/07

SHOP: INSP DATE: 04/13/07
 CITY STATE: , WI CONTACT: GLENN
 OWNER: CVIKEL, FOREST HOME PHONE: (414) 699-8554
 ADDRESS: 5125 W NATIONAL AVE
 CITY STATE: WEST MILWAUKEE, WI
 ZIP: 53214

LOSS DATE: 04/13/07 TYPE OF LOSS: OTHER/
 POINT OF IMPACT: 3

DAYS TO REPAIR: 3

LIC#: STATE: VIN:
 BODY COLOR: SILVER MILEAGE:
 CONDITION: ACCTNG CTLH:

-=USER-ENTERED VALUE	E=REPLACE OEM	NG=REPLACE NABS
EC=REPLACE ECONOMY	UE=REPLACE OE SURPLUS	UC=RECONDITIONED PRT
UM=REMAN/REBUILT PRT	EU=REPLACE SALVAGE	EP=REPLACE PXN
OE=REPLACE PXN OE SRPLS	PC=PXN RECONDITIONED	PM=PXN REMAN/REBUILT
TE=PARTL REPL PRICE	ET=PARTL REPL LABOR	IT=PARTIAL REPAIR
I=REPAIR	L=REFINISH	BR=BLEND REFINISH
TT=TWO-TONE	CG=CHIPGUARD	SB=SUBLET
N=ADDITIONAL LABOR	RI=R&I ASSEMBLY	P=CHECK
AA=APPEAR ALLOWANCE	RP=RELATED PRIOR	UP=UNRELATED PRIOR

2006 TOYOTA COROLLA S 4DOOR SEDAN 4CYL GASOLINE 1.8
 CODE: Y2114C/D OPTNS R/24ABE

OPTIONS:
 TWO-STAGE - EXTERIOR SURFACES TWO-STAGE - INTERIOR SURFACES
 BUMPER COVER MOUNTED FOG LAMPS TWO PIECE FRT SPOILER
 POWER DOOR LOCKS

OF	GDE	MC	DESCRIPTION	MFG. PART NO.	PRICE	AJ	ST	NOTE
E	0006		COVER, FRONT BUMPER	5211902947	191.40			
L	0006	13	COVER, FRONT BUMPER	REFINISH				
E	0017	01	SPOILER, LOWER FRONT	LT 7608302030C0	370.25			
E	0018	01	SPOILER, LOWER FRONT	RT 7608102030C0	370.25			
E	0952		WHEEL, FRONT	LT 42611AB010	334.14			
N	0974		SUSPENSION ALIGN, FRT	ADDNL LABOR OPERA				
E	0654	01	ARM, LOWER CONTROL	R/F 4806820390	167.91			
SE	M60		HAZARD. WSTE. REM.	SUBLET REPAIR	2.50			

DIETA TOROILA 5 DOOR SEDAN
NO 2272-1

YES BLS, SAND & BUFF REFINISH

1.0.4

P ITEMS

MC MESSAGE(S)
01 CALL DEALER FOR EXACT PART NUMBER / PRICE
12 INCLUDES 0.6 HOURS FIRST PANEL TWO-STAGE ALLOWANCE

FINAL CALCULATIONS & ENTRIES

GROSS PARTS		1,433.95
PAINT MATERIAL		141.00
PARTS & MATERIAL TOTAL		1,574.95
TAX ON PARTS & MATERIAL @	5.600%	88.20

LABOR	RATE	REPLACE HRS	REPAIR HRS	
1-SHEET METAL	50.00	2.3		115.00
2-MECH/ELEC	65.00	3.0	1.2	273.00
3-FRAME	50.00			
4-REFINISH	50.00	4.7		235.00
5-PAINT MATERIAL	30.00			
LABOR TOTAL				623.00
TAX ON LABOR		@	5.600%	34.89
SUBLET REPAIRS				2.50
TAX ON SUBLET		@	5.600%	0.14
TOWING				
STORAGE				

GROSS TOTAL 2,323.68

NET TOTAL 2,323.68

WORKBOOK H5370 ES CD LOG 2272-1 DATE 04/13/07 03:14:06PM R6.37 CD 03/07
CUM: 00/00/00/00/00 CUM 00/00/00/00/00 GEOCODE 53227
BEST LOG

1995 - 2006 AUDATEX NORTH AMERICA, INC.

1.1 HRS WERE ADDED TO THIS EST. BASED ON AUDATEX TWO-STAGE REFINISH FORMULA.

-
1. ALL PARTS PRICES SUBJECT TO CHANGE.
 2. ALL WORK GUARANTEED FOR ONE YEAR FROM THE DATE OF COMPLETED REPAIRS
 3. PAYMENT IF FULL (INCLUDING DEDUCTIBLE) IS REQUIRED BEFORE THE VEHICLE WILL BE RELEASED.
 4. IF INSURANCE COMPANY ESTIMATES YOUR VEHICLE, WE HAVE TO FOLLOW INSURANCE CO. ESTIMATE, HIGHER OR LOWER. OUR ESTIMATE BECOMES NULL & VOID.
 5. PLEASE PROCEED WITH REPAIRS, BUT CALL ME BEFORE CONTINUING, IF THE PRICE WILL EXCEED THIS ESTIMATE. I HAVE READ AND UNDERSTAND THE ABOVE STATEMENTS, AND I AUTHORIZE REPAIRS TO MY VEHICLE.

NAME: _____

DATE: _____

VALLEY HYDRO-EXCAVATION, LLC

W1802 Town Hall Rd.
Campbelleport, WI. 53010
Phone: 920-848-4877 or 920-533-5927
Fax 920-533-5927 (call before fixing)

Invoice No. 1719

INVOICE

Customer

Name	Rozga Plumbing & Heating		
Address	1529 S. 113th St.		
City	West Allis	State	WI ZIP 53214
Phone	414-258-8911		

Date	4/10/2007
Work Order #	2188

Qty	Description	Unit Price	TOTAL
8	8 hrs-Vac out trench for sanitary sewer around fiber located on Hawely & Pierce in Milwaukee, WI. JOB # 17738	\$210.00	\$1,680.00
2	Dumps	\$0.00	\$0.00
<i>* paid 4/10/07 ck. # 018082</i>			
SubTotal			\$1,680.00
TOTAL			\$1,680.00

TERMS: All invoices, except those that carry special prearranged payment terms, are due and payable 30 days after date of issue. VALLEY HYDRO-EXCAVATION, LLC reserves the right to add interest charges and, where appropriate, per month, additional collection fees (including attorney's fees) to all past due accounts. All invoices are due and payable within 30 days of invoice date. A finance charge will be accrued and will be payable at the rate of 1.5% per month on all invoices not paid on or before the due date.

ROZGA

Plumbing & Heating Corporation
 1529 S. 113th Street • 414-258-9911
 West Allis, Wisconsin 53214



Invoice

Date	Invoice #
4/6/2007	17738

Special Instructions

Bill To
City of West Allis - Engineering 7525 W Greenfield Avenue West Allis, WI 53214

Job Name / Address
Renaissance Faire 809 S. 60th St. West Allis, WI 53214

Phone #	Work #	All Phone #	Service Date	Project
414-302-8367		C# 414-651-8840	4/17/2007	17738-51 Sanitary Lateral Repair (Road)

Quantity	Description	Each	Price
3.00	Having worked to repair a collapsed section of lateral on the customers property (not City responsibility) and having conferred with the City that there was a lateral serving the property at the location that we marked in the south bound direction of S. Hawley Road, we went after our repair.	92.00	276.00
10.00	Excavation Supervisor, 4-5-07, met up with crew to discuss a game plan.	246.00	2,460.00
	3-man Excavation Crew, 4-5-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. We excavated just west of the fiber-optic and utility package, once we got down to our lateral we called in Kenway to try and snake/jetter open the blockage in the sewer lateral located in the south bound road way. Could not get through.		
	Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.		
2.00	3-man Excavation Crew - Time & 1/2, as above	369.00	738.00
1.00	Sub-contracted jetting of 4-5-07	426.00	426.00
10.00	3-man Excavation Crew, 4-6-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. Called in Valley Hydro-Excavator to vac-out around the fiber-optics and other "found" and un-marked utilities. We continued the excavation down and worked more to the east and determined that we would need to excavate additionally towards the main. More road cutting and breaking would continue after the weekend.	246.00	2,460.00
	Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.		
2.00	3-man Excavation Crew - Time & 1/2, as above	369.00	738.00
1.00	sub contracted to Valley Hydro-Excavating (cost)	1,680.00	1,680.00
		Subtotal	
		Sales Tax (0.00)	
		Payments/Credits	
Terms		Balance Due	
Duc On Receipt.		Total	

Fax #	414-258-9921	E-mail	info@rozgacorp.com	Web Site	www.rozgacorp.com
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ROZGA

Plumbing & Heating Corporation
 1529 S. 113th Street • 414-258-9911
 West Allis, Wisconsin 53214



Invoice

Date	Invoice #
4/6/2007	17738

Special Instructions

Bill To
City of West Allis - Engineering 7525 W Greenfield Avenue West Allis, WI 53214

Job Name / Address
Renaissance Faire 809 S. 60th St. West Allis, WI 53214

Phone #	Work #	All Phone #	Service Date	Project
414-302-8367		C# 414-651-8840	4/17/2007	17738-51 Sanitary Lateral Repair (Road)

Quantity	Description	Each	Price
10.00	3-man Excavation Crew, 4-9-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. Saw cut over the sanitary main and back towards our work of last Friday (4-6-07), excavated down to the main and found that the lateral was there though when that short section of main was laid there was no provision for the lateral. At the direction of Brian Block, we cut out a section of main (main is back pitched and was flowing half full) and installed a wye connection to serve our lateral and had to make provisions for the neighbor to the east. Though a convoluted configuration given the angle of both laterals coming into a back pitched sewer, we were able to make the connections needed. We ended up relaying the lateral at the original excavation in the south bound lane, left a short section under the utility packages and re-connected to the new wye/tees in the road. Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.	246.00	2,460.00
5.50	3-man Excavation Crew - Time & 1/2, we worked as long and as late as needed. A forecast storm starting late the next day and peaking on Wed, 4-11-07 gave us concern to close this up as quickly as needed. WE SWITCHED MEN OUT LATER IN THE DAY, THOUGH WE HAVE KEPT CAREFUL TIME CARDS AND HAVE NOT CHARGED AT ALL FOR A YOUNG NEW MAN THAT WE BROUGHT ON AS A FOURTH MAN TO GIVE US AN EXTRA SET OF HANDS. We were dealing with traffic as well as conditions of ground back fill and back flowing sewage.	369.00	2,029.50

Subtotal
Sales Tax (0.00)
Payments/Credits
Balance Due
Total

Terms	Due On Receipt.
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Fax #	414-258-9921	E-mail	info@rozgacorp.com	Web Site	www.rozgacorp.com
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ROZGA

Plumbing & Heating Corporation
1529 S. 113th Street • 414-258-9911
West Allis, Wisconsin 53214

Invoice

Date	Invoice #
4/6/2007	17738

Special Instructions

Bill To
City of West Allis - Engineering 7525 W Greenfield Avenue West Allis, WI 53214

Job Name / Address
Renaissance Faire 809 S. 60th St. West Allis, WI 53214

Phone #	Work #	Alt Phone #	Service Date	Project
414-302-8367		C# 414-651-8840	4/17/2007	17738-51 Sanitary Lateral Repair (Road)

Quantity	Description	Each	Price
7.50	3-man Excavation Crew, 4-10-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. Trucked in stone back fill, secured water from City Hydrant (W/permission) to flush the roadway. Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.	246.00	1,845.00
2.50	3-Man Excavation Crew - Double Time, 4-11-07, at the height of the storm, a call from a pedestrian informed us that City Plow Truck(s) had pushed our plates and that a car had fallen in. I called in our crew from home and before we arrived at the job site I received a call from the City of West Allis Police informing me of the same. We set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. I spoke with Bruce from the City DPW and he dispatched a driver and a truck delivered additional cold patch from the City Yard. We worked with the officers on site to remove the car and re-set road plates and cold patch. Road plates had been damaged by this time. (photo's available on file) WHILE WE WERE ON SIGHT ANOTHER PLOW WAS MAKING A PASS AND EVEN THOUGH OUR MAN STEVE WAS DIRECTING HIM TO LIFT HIS BLADE HIGHER THAN HE THOUGHT WAS ENOUGH, THE PLOW HIT AND MOVED ANOTHER OF OUR PLATES. Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.	492.00	1,230.00
2.50	Laborer - Excavation Crew - Double Time, 4-11-07, a fourth man called in from home helped deliver our skid loader and truck	144.00	360.00

Subtotal
Sales Tax (0.00)
Payments/Credits
Balance Due
Total

Terms	Due On Receipt.
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Fax #	414-258-9921	E-mail	info@rozgacorp.com	Web Site	www.rozgacorp.com
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ROZGA

Plumbing & Heating Corporation
 1529 S. 113th Street • 414-258-9911
 West Allis, Wisconsin 53214



Invoice

Date	Invoice #
4/6/2007	17738

Special Instructions

Bill To
City of West Allis - Engineering 7525 W Greenfield Avenue West Allis, WI 53214

Job Name / Address
Renaissance Faire 809 S. 60th St. West Allis, WI 53214

Phone #	Work #	Alt Phone #	Service Date	Project
414-302-8367		C# 414-651-8840	4/17/2007	17738-51 Sanitary Lateral Repair (Road)

Quantity	Description	Each	Price
6.00	3-man Excavation Crew, 4-13-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. Saw cut the edges to the area requested by Brian Block of the City, dug out to the required depth the previously flushed back fill and installed a shut off and poured the east half of the roadway with concrete. Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.	246.00	1,476.00
1.50	2-man Excavation Crew, 4-16-07, back at the shop our damaged road plates were worked on. Lifting rings had to be cut off, plates ground down and new rings welded back on.	174.00	261.00
7.25	3-man Excavation Crew, 4-17-07, set up barricades and cones to push traffic over and split in half to keep traffic going in both directions. Removed the previous shut off and poured the west half of the roadway. Hauled the remaining plates and equipment back to the shop. Set up road plates with cold patch edges for the evening and opened traffic up full lanes both ways.	246.00	1,783.50
4.00	Use of Road Saw	75.00	300.00
4.00	Use of Road Breaker	75.00	300.00
18.00	Use of Excavator Equipment	45.00	\$10.00
14.00	Use of Single Axle Mack Dump Truck	45.00	630.00
9.00	Use of Tri-Axle Dump Truck W/out Driver	50.00	450.00
4.00	Use of Skid Loader	30.00	120.00
1.00	Sub Contracted Trucking on 1st day 4-5-07	560.00	560.00
4.00	Charge for taking spoil to dump.	60.00	240.00
5.00	yards of bedding stone by our trucks	18.00	90.00
51.00	tons of stone we trucked in for back fill	5.50	280.50
1.00	8" x 8" clamp on tee, 8" x 6" saddle wye, ferncos for sewer main, pipe, fittings, ferncos for lateral connections, lateral material	386.60	386.60

Subtotal
Sales Tax (0.00)
Payments/Credits
Balance Due
Total

Terms	Due On Receipt.
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Fax #	414-258-9921	E-mail	info@rozgacorp.com	Web Site	www.rozgacorp.com
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ROZGA

Plumbing & Heating Corporation
 1529 S. 113th Street • 414-258-9911
 West Allis, Wisconsin 53214

Invoice

Date	Invoice #
4-6-2007	17738

Special Instructions

Bill To
City of West Allis - Engineering 7525 W Greenfield Avenue West Allis, WI 53214

Job Name / Address
Renaissance Faire 809 S. 60th St. West Allis, WI 53214

Phone #	Work #	Alt Phone #	Service Date	Project
414-302-8367		C# 414-651-8840	4/17/2007	17738-51 Sanitary Lateral Repair (Road)

Quantity	Description	Each	Price
2.00	tons of temporary cold patch used through out the job	89.73	179.46
1.00	2- concrete road pours (4-13 & 17-07)	959.12	959.12
2.00	steel d-rings for road plates	42.62	85.24
1.00	Misc. Barricade Rental Charges - Class A, Class B, Signage, Delivery	286.40	286.40
1.00	PERMITS: City of West Allis	73.00	73.00
1.00	Excavation Supervisor, office staff, as above	92.00	368.00
	Reimbursement to Forest Cvikel for damage to his car (another copy of the letter of release sent with invoice to the City)	1,500.00	1,500.00

Subtotal	\$27,841.32
Sales Tax (0.00)	\$0.00
Payments/Credits	\$0.00
Balance Due	\$27,841.32
Total	\$27,841.32

Terms	Due On Receipt.
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Fax #	414-258-9921	E-mail	info@rozgacorp.com	Web Site	www.rozgacorp.com
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From: John Krzyzaniak
Sent: Tuesday, April 17, 2007 7:10 AM
To: Brian Block
Subject: RE: road plates

Brian, I talked with the snow plow operators who were on 60 th street, they both say they raised the plow when going over the plates. Those plates should have been asphalted in with all the traffic that is on 60 th street any heavy vehicle could have caused the metal ring to bounce up then get caught on a low riding vehicle. I was on scene at 2:30 p.m. and called an operator to come and place the plate back on the hole, it could not of been done without a loader and I did not see any asphalt that could have been holding the plates in place. John

From: Brian Block
Sent: Monday, April 16, 2007 2:59 PM
To: Bruce Danowski; John Krzyzaniak
Subject: FW: road plates

Bruce: Rozga claims that a city plow moved the steel plates from the emergency sewer repair in 60 st as evidenced by marks on the plates and claims that someone witnessed it. Could you ask the operator if he moved the plates and if he moved them back into place??

-----Original Message-----

From: Bill Rozga [mailto:plumbguy@rozgacorp.com]
Sent: Monday, April 16, 2007 2:30 PM
To: bblock@ci.west-allis.wi.us
Cc: plumbguy@rozgacorp.com
Subject: road plates

Dear Brian thanks for meeting me today on the 801 S. Hawley road site. We will have a crew tomorrow that will finish up the road restoration. The pedestrian that called me on 4-11-07 at 3:35 PM was Jeff Green C# 801-1021. He said that the time of the plow truck catching the plates was 2:10 and he first called 911. He could not get to me till 3:35 pm due to cell phone going dead. He said he called me when he got home. His call was the first I received that day. I called in my guys who were on the site within 15 minutes. I received a call from the West Allis P.D. who informed me that they had a squad standing by. I called the police dept (to get in touch with after hours DPW emergency #) only after I realized I did not have enough cold patch left over and all the pits were closed. Bruce from DPW (C# 587-3452) answered my call and said he was on the way there. I loaded up one of our trucks with more stone fill once I heard that a car had fallen in the excavation (excavation 9" deep). By the time I had gotten there the car was gone and a front end loader from W.A. DPW had dropped cold patch on the road. We re-set the road plates and I asked the officer, Eric Sturino Badge #119 to look at the gash in the 3 road plates that were in question. All 3 had been hit by something hard enough to remove metal from the lifting rings. The car in question is a 2006 Toyota Corolla and he has estimates in the \$2500.00 range. He also has an accident report.

He needs to have the car fixed right away and I have recommended Forest Home Auto Body as we have done work with them before. If it comes down to it, we will pay for the repairs so as to keep this from getting anymore muddy. I can always include this in my invoice to you. Please advise. Bill



West Allis Police Department
Call Detail Report



07-015485	Road Hazard	Disposition	Update
04/11/07 15:4435	900BLK S 60 St	Unit 211	es9467
		Officer	

RECEIVED

APR 17 2007

CITY OF WEST ALLIS
ENGINEERING DEPT

CAD Comments

Check the steel plate over the construction hole seems to be shifted and has a gap now.
Dispatched: 211

Pto. Sturino Reports...

On Wednesday, 04/11/07, at 1544 hours, Road Hazard in the 800 block of S. 60 St. Contact was made with the complainant Forest D. Cvikel who stated his vehicle had sunken into the pavement after he had driven on a metal plate in the road, placed over a construction site by the city with his silver Toyota Corolla 4-dr, bearing Wisconsin registration 781-KXR. I observed the metal plate covering a large hole approximately 5' long and 1' deep visible. The metal plate had large scratches on the handles and it appeared to have been dragged by a snow plow. Forest said it did not appear his vehicle was visibly damaged, but said his vehicle was making strange noises when he applied the brake. West Allis city employees and Rozga employee Steven C. Rabe refilled the hole with crushed stone and placed the large metal plate over it.

Complainant

Contact

Cvikel, Forest D
M W 03/03/1980
5125 W National Ave
Milwaukee, WI 53214

Rabe, Steven C
M W 05/15/1982
1529 S 113 St
West Allis, WI 53214

Business

Rozga Plumbing & Heating Corp

1529 S 113 St
West Allis, WI 53214

GREEN BAY PIPE & TV CONTRACTORS, LLC
TELEVISION REPORT

PROJECT	LOCATION	DATE	FROM MH	TO MH	PAGE
WEST ALIAS, WI	8.60 TH STREET	7/29/04	169	168	135
HOUSE SERVICES	SANITARY X	ESTIMATE	TYPE OF PIPE	SIZE	8"
				SURFACE	BLACKTOP
OPERATOR	RANDY HERRANS	JOINT	MH DEPTH	9.6'	
TAPE MEASURE LENGTH	360'			VIDEO TAPE	
WEATHER	SUNNY	PHOTO-VIDEO	TAP	VIEWING	SOUTH
				FLOWING	SOUTH
HOUSE SERVICES	L R TOP	INFL GPM	PHOTO NO.	TAPE HOURS	NH 159 1:00:33
0					
3					
11					MINERAL DEPOSIT ON JOINT (CONTINUED)
15					CHIPPED JOINT, SEE GRAVEL
28					FACTORY - PLUGGED OFF
30					FACTORY - PLUGGED OFF
30					FACTORY - PLUGGED OFF
30					TAP - GOOD
34					TAP - GOOD
50					FACTORY - PLUGGED OFF
53					FACTORY - PLUGGED OFF
72					FACTORY - PLUGGED OFF, HAIRLINE CRACK, CIRCULAR CRACK IN MAIN
74					FACTORY - PLUGGED OFF
79					FACTORY - PLUGGED OFF
81					TAP - GOOD
97					TAP - GOOD
99					FACTORY - PLUGGED OFF
120					FACTORY - PLUGGED OFF
122					TAP - GOOD
124					FACTORY - PLUGGED OFF
128					FACTORY - PLUGGED OFF
140					TAP - GOOD
142					FACTORY - PLUGGED OFF
163					FACTORY - PLUGGED OFF
165					CHANGE TO PVC PIPE, OFFSET JOINT
166					FACTORY - GOOD
166					CAMERA GOES UNDER WATER
176					CHANGE TO CLAY PIPE, NORMAL FLOW
192					FACTORY - PLUGGED OFF
174					FACTORY - PLUGGED OFF
215					FACTORY - MINERAL DEPOSIT
217					FACTORY - GOOD
232					NO IN FLOW
					CAMERA WILL NOT PASS THROUGH
					REVERSE TV

TO Bruce

DATE 4/13 TIME 2:20p

WHILE YOU WERE OUT

M. FOREST CAIXE

OF 16 800 S. 60 ST.

PHONE 414-671-6194
662-698-0554

TELEPHONED PLEASE CALL

CALLED TO SEE YOU WILL CALL AGAIN

WANTS TO SEE YOU RUSH

RETURNED YOUR CALL

MESSAGE

more see with you
where your last chapter.
Donna got her car - must
be in fact (has to be first
experience). Haven't given
didn't miss plate because
he saw them like that

While plotting this please
 Take a few more looks
 since he reported another
 plate one from earlier
 wants to see drawing
 knows that Rogers' TMB
 is the computer I then
 have your address from
 him to check

WED 4/14/07 P
 2:15 PM From

NIT 3 30PM 4PM





04/16/2007

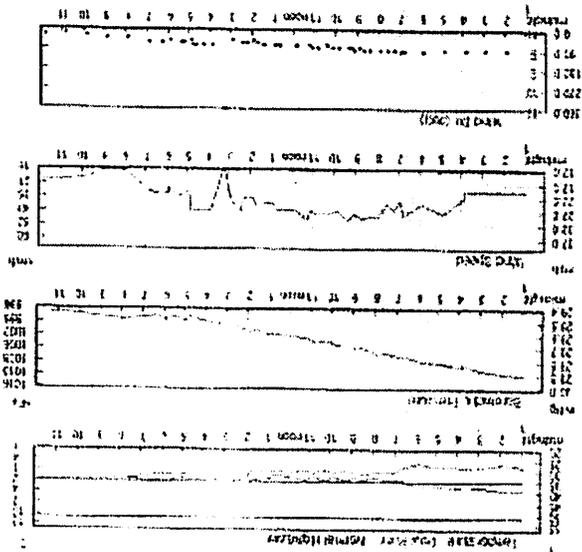
History for Milwaukee, WI
Wednesday, April 11, 2007

Daily Summary

Temperature:	Actual:	Average:	Record:
Mean Temperature:	34 F / 2 C	44 F / 6 C	52 F / 11 C (1977)
Max Temperature:	39 F / 3 C	52 F / 11 C	63 F / 20 C (1977)
Min Temperature:	22 F / 0 C	35 F / 1 C	17 F / -8 C (1975)
Heating Degree Days:	20	22	
Heating Degree Days:	20	268	6332
Warmth Index Heating Degree Days:	309		
Since 1 July Heating Degree Days:	5917		
Cooling Degree Days:	0		
Warmth Index Cooling Degree Days:	0		
Heat Index:	26 F / 2 C		
Average Humidity:	80		
Maximum Humidity:	100		
Minimum Humidity:	75		
Precipitation:	0.64 in / 1.63 cm	0.13 in / 0.33 cm	1.70 in / 4.32 cm (1977)
Months to date precipitation:	2.28	1.30	7.45
Year to date precipitation:	7.71		
Snow:			
Snow:	7.00 in / 17.78 cm	0.10 in / 0.25 cm	3.20 in / 8.13 cm (1977)
Months to date snowfall:	7.0	1.1	
Snow Depth:	58.5	50.0	
Sea Level Pressure:	29.67 in / 1005 mb		
Wind Speed:	22 mph / 35 km/h (GFF)		
Max Wind Speed:	33 mph / 53 km/h		
Max Gust Speed:	63 mph / 95 km/h		
Visibility:	2 miles / 3 kilometers		
Events:	Fog, Rain, Snow		
1 = Trace of Precipitation, MM = Missing Value			

Source: NWS Daily Summary

Hourly Observations

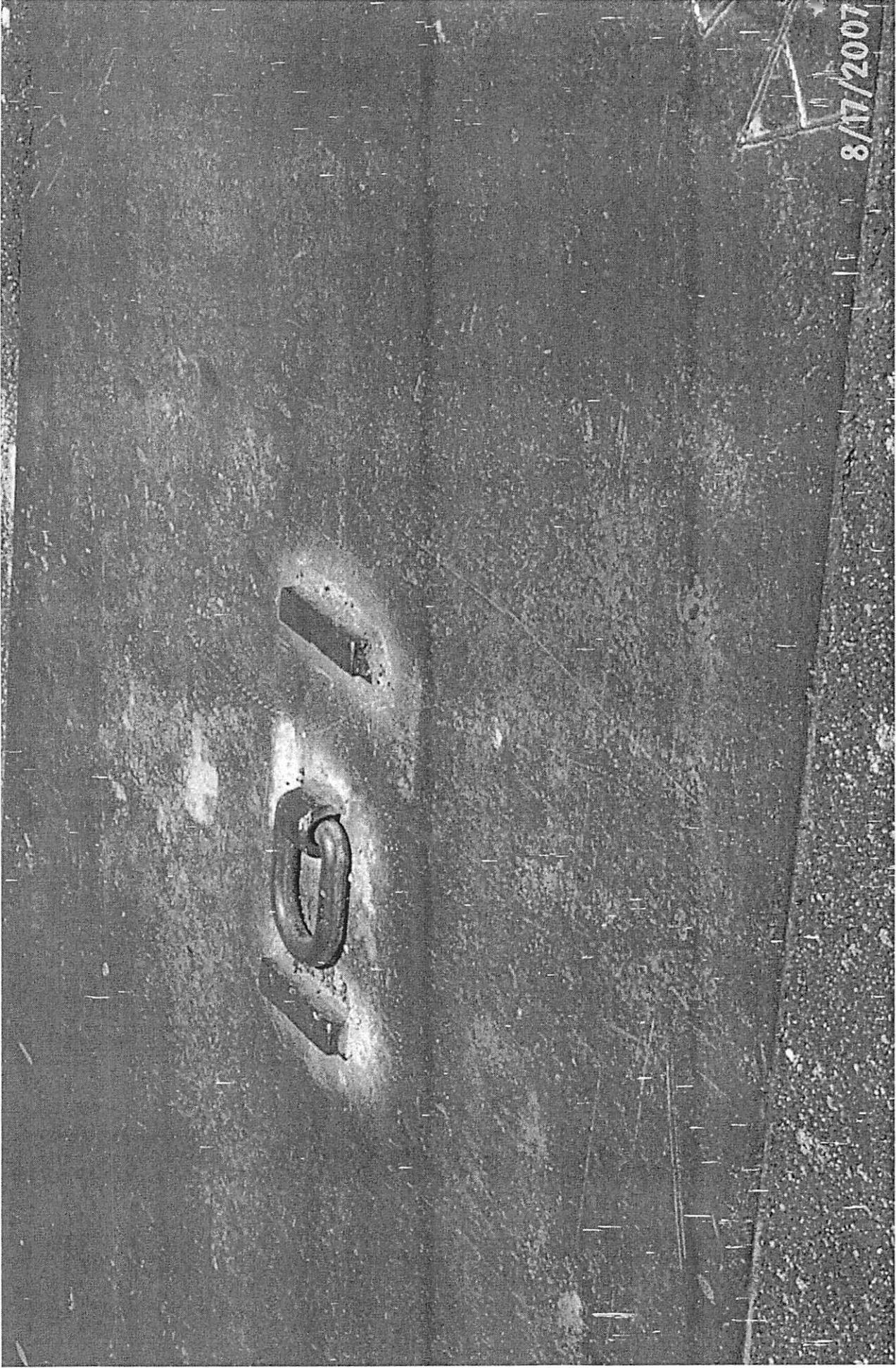


Time Temp: Humidity: Dew Point: Sea Level Pressure: Visibility: Wind Wind Dir: Wind Speed: Gust: Precip: Events: Conditions:

Time	Temp	Humidity	Dew Point	Sea Level Pressure	Visibility	Wind	Wind Dir	Wind Speed	Gust	Precip	Events	Conditions
12:52 AM	39.0 F / 2.0 C	65%	29.90 in / 10.0 mb	1012.8 mb	10.0 miles / 16.1 kilometers	19.6 mph / 31.5 km/h	E	12.0 mph / 19.6 km/h	26.5 mph / 42.6 km/h	0.00 in / 0.0 cm		Overcast
1:52 AM	38.0 F / 2.0 C	62%	29.88 in / 10.0 mb	1012.1 mb	10.1 kilometers / 16.3 miles	19.6 mph / 31.5 km/h	E	11.8 mph / 19.0 km/h	26.5 mph / 42.6 km/h	0.00 in / 0.0 cm		Overcast
2:52 AM	37.9 F / 2.0 C	69%	29.88 in / 10.0 mb	1010.9 mb	10.1 kilometers / 16.3 miles	19.6 mph / 31.5 km/h	E	11.3 mph / 18.2 km/h	26.5 mph / 42.6 km/h	0.00 in / 0.0 cm		Overcast
3:48 AM	37.4 F / 2.0 C	70%	29.82 in / 10.0 mb	1009.7 mb	10.1 kilometers / 16.3 miles	19.6 mph / 31.5 km/h	E	11.0 mph / 17.7 km/h	26.5 mph / 42.6 km/h	0.00 in / 0.0 cm		Light Rain
4:48 AM	37.0 F / 2.0 C	68%	29.84 in / 10.1 kilometers / 16.3 miles	1012.3 mb	10.1 kilometers / 16.3 miles	21.9 mph / 35.2 km/h	E	12.9 mph / 20.8 km/h	28.0 mph / 45.3 km/h	0.00 in / 0.0 cm		Light Rain
5:52 AM	37.3 F / 2.2 C	68%	29.84 in / 10.1 kilometers / 16.3 miles	1012.3 mb	10.1 kilometers / 16.3 miles	21.9 mph / 35.2 km/h	E	12.9 mph / 20.8 km/h	28.0 mph / 45.3 km/h	0.00 in / 0.0 cm		Light Rain

3:00 PM	32.0 °F 0.0 °C	32.0 °F 0.0 °C	100%	29.52 in / 999.6 hPa	0.2 miles / 0.4 kilometers	North	12.7 mph 20.4 km/h 15.7 m/s	52.9 mph 85.2 km/h 23.7 m/s	0.02 in 0.1 cm	Snow	Heavy Snow
3:17 PM	32.0 °F 1.0 °C	32.0 °F 0.0 °C	100%	29.51 in / 999.7 hPa	0.2 miles / 0.4 kilometers	North	12.7 mph 20.4 km/h 15.7 m/s	52.9 mph 85.2 km/h 23.7 m/s	0.03 in 0.1 cm	Snow	Snow
3:52 PM	33.1 °F 0.6 °C	32.0 °F 0.0 °C	66%	29.51 in / 999.7 hPa	0.2 miles / 0.4 kilometers	ENE	26.5 mph 42.8 km/h 11.8 m/s	40.3 mph 64.8 km/h 18.0 m/s	0.05 in 0.2 cm	Fog Snow	Snow
4:16 PM	32.6 °F 1.0 °C	32.0 °F 0.0 °C	63%	29.40 in / 998.2 hPa	1.2 miles / 2.0 kilometers	ENE	26.5 mph 42.8 km/h 11.8 m/s	40.3 mph 64.8 km/h 18.0 m/s	0.00 in 0.0 cm	Snow	Light Snow
4:36 PM	32.8 °F 1.0 °C	32.0 °F 0.0 °C	62%	29.47 in / 997.9 hPa	2.0 miles / 3.2 kilometers	ENE	26.5 mph 42.8 km/h 11.8 m/s	40.3 mph 64.8 km/h 18.0 m/s	0.00 in 0.0 cm		Overcast
4:48 PM	32.0 °F 1.0 °C	32.0 °F 0.0 °C	63%	29.47 in / 997.9 hPa	1.5 miles / 2.4 kilometers	ENE	26.5 mph 42.8 km/h 11.8 m/s	40.3 mph 64.8 km/h 18.0 m/s	0.00 in 0.0 cm		Light Drizzle
4:52 PM	32.1 °F 0.6 °C	32.0 °F 0.0 °C	96%	29.49 in / 998.6 hPa	1.5 miles / 2.4 kilometers	NE	20.7 mph 33.3 km/h 9.3 m/s	32.2 mph 51.9 km/h 14.4 m/s	0.00 in 0.0 cm		Light Drizzle
5:10 PM	33.3 °F 1.0 °C	32.0 °F 0.0 °C	93%	29.48 in / 998.2 hPa	1.5 miles / 2.4 kilometers	ENE	19.0 mph 31.5 km/h 8.7 m/s	27.6 mph 44.4 km/h 12.3 m/s	0.00 in 0.0 cm		Light Drizzle
5:21 PM	33.6 °F 1.0 °C	32.0 °F 0.0 °C	93%	29.47 in / 997.9 hPa	1.0 miles / 1.6 kilometers	ENE	21.9 mph 35.2 km/h 9.8 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.00 in 0.0 cm		Light Drizzle
5:50 PM	33.8 °F 1.0 °C	32.0 °F 0.0 °C	100%	29.46 in / 997.5 hPa	1.0 miles / 1.6 kilometers	NE	18.4 mph 29.6 km/h 8.2 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.02 in 0.1 cm		Light Drizzle
5:52 PM	34.0 °F 1.1 °C	32.0 °F 0.0 °C	92%	29.49 in / 998.4 hPa	1.0 miles / 1.6 kilometers	NE	20.7 mph 33.3 km/h 9.3 m/s	29.8 mph 48.3 km/h 13.5 m/s	0.02 in 0.1 cm		Light Drizzle
5:14 PM	33.0 °F 1.0 °C	32.0 °F 0.0 °C	93%	29.46 in / 997.5 hPa	1.5 miles / 2.4 kilometers	ENE	20.7 mph 33.3 km/h 9.3 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.02 in 0.1 cm	Rain	Light Rain
6:52 PM	34.0 °F 1.1 °C	33.1 °F 0.6 °C	96%	29.47 in / 998.0 hPa	1.5 miles / 2.4 kilometers	ENE	19.8 mph 31.5 km/h 8.7 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.03 in 0.1 cm	Rain	Light Rain
7:52 PM	34.0 °F 1.1 °C	34.0 °F 1.1 °C	100%	29.48 in / 998.2 hPa	1.5 miles / 2.4 kilometers	NE	12.7 mph 20.4 km/h 5.7 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.00 in 0.0 cm	Rain	Light Rain
8:52 PM	34.0 °F 1.1 °C	34.0 °F 1.1 °C	100%	29.47 in / 998.0 hPa	1.5 miles / 2.4 kilometers	NE	12.7 mph 20.4 km/h 5.7 m/s	29.8 mph 48.2 km/h 13.4 m/s	0.02 in 0.1 cm	Rain	Light Rain

9:52 PM	34.0 °F 1.1 °C	34.0 °F 1.1 °C	100%	29.46 in / 997.3 hPa	1.5 miles / 2.4 kilometers	NNE	15.0 mph 24.1 km/h 6.7 m/s	25.3 mph 40.7 km/h 11.3 m/s	0.01 in 0.0 cm	Rain	Light Rain
10:52 PM	34.0 °F 1.1 °C	34.0 °F 1.1 °C	100%	29.44 in / 996.8 hPa	1.5 miles / 2.4 kilometers	NNE	16.1 mph 25.9 km/h 7.2 m/s	25.3 mph 40.7 km/h 11.3 m/s	0.00 in 0.0 cm	Rain	Light Rain
11:52 PM	34.0 °F 1.1 °C	34.0 °F 1.1 °C	100%	29.43 in / 996.6 hPa	1.5 miles / 2.4 kilometers	NNE	16.1 mph 25.9 km/h 7.2 m/s	25.3 mph 40.7 km/h 11.3 m/s	0.01 in 0.0 cm		Light Drizzle



Example of steel square stock welded to road plate to protect lifting rings