

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE J	PAGE OF PAGES 1   30
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 06-Sep-2007	4. REQUISITION/PURCHASE REQ. NO. W81G6670749559		5. PROJECT NO.(If applicable)
6. ISSUED BY U. S. ARMY ENGINEER DISTRICT, CHICAGO 111 NORTH CANAL STREET SUITE 600 CHICAGO IL 60606-7206	CODE W912P6	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W912P6-07-B-0006	
		X	9B. DATED (SEE ITEM 11) 07-Aug-2007	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SUBJECT: LITTLE CALUMET RIVER, INDIANA, LOCAL FLOOD PROTECTION, STAGE 5 PHASE 2, MUNSTER, HAMMOND, AND HIGHLAND, INDIANA  1. By way of this Amendment 0002, the Bid Opening Date is extended from 12 September 2007 to 17 September 2007. The Bid Opening time remains the same at 2:00 p.m. Chicago Local Time.  2. This Amendment incorporates the latest applicable wage rates for the subject Project. Accordingly, Modification Number 11 of the General Decision Number IN070001, dated 8/31/2007 is attached hereto.  -----THE DESCRIPTION OF THIS AMENDMENT CONTINUES ON THE NEXT PAGE-----  Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  06-Sep-2007

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**The following items are applicable to this amendment:**

AMENDMENT NO. 0002

### IMPORTANT NOTES:

IN AN EFFORT TO AVOID FURTHER DELAYS OF THE BID OPENING, PLEASE PROVIDE ANY QUESTIONS REGARDING THE SOLICITATION PACKAGE AND THE CONTENTS THEREIN TO LINDA ZAMAROY AT (312) 886-5475 NO LATER THAN THE CLOSE OF BUSINESS ON 10 SEPTEMBER 2007. THIS IS A CRITICAL PROJECT FOR THE USACE AND ITS STAKEHOLDERS; THUS, IT IS IMPORTANT THAT THIS PROJECT BE AWARDED IN ACCORDANCE WITH THE USACE'S ACQUISITION PLAN.

1. Due to the new security safeguards implemented inside of the Facility housing the Chicago District Office, any bidder planning to hand-carry bids, must provide prior notice to the Contracting Office upon its arrival to the Chicago District. In that regard, any bidder intending to drop off/hand-carry bids to the Chicago District in response to this Solicitation, must contact one of the following individuals for the acceptance of their bid: Anita Simpkins at (312) 846-5372; Linda Zamarocy at (312) 846-5374; or Mike Jones at (312) 846-5373.

2. Bids for this Solicitation will be opened at 2:00p.m. Chicago Local Time on Monday, 17 September 2007. A USACE representative will be available in the Bid Opening Room, located in the Lobby Conference Room at 111 North Canal Street, Chicago, IL 60606, to accept bids delivered from 1:00 p.m. up to Bid Opening Time on 17 September 2007.

#### **PART A – AMENDMENT TO THE SOLICITATION:**

Bidders shall REMOVE Pages numbered 36 and 37 of Amendment No. 0001 Revised Bid Schedule and REPLACE Pages numbered 5 and 6 of this Amendment No. 0002. (Refer to USACE Response No. 7 shown on the following page.)

#### **PART B – AMENDMENT TO THE SPECIFICATIONS:**

The following Sections of the Specifications have been amended by way of this Amendment 0002. The Amended sheet will show an underline for additions and a strike through “----“ for deletions.

Section 01 22 00.00 10 Measurement and Payment, Pages 8, 9, 12, 20, and 22

Section 03 30 00.00 Concrete, Page 8

Section 32 34 00 Fabricated Bridges, Page 2 through 3.

#### **PART C – AMENDMENT TO THE PLANS:**

Bidders shall REMOVE Sheet Reference No's C-46, S-04, S-06, S-20, and S-45 REPLACE with the Respective Sheets attached hereto.

**PART D – CONTRACTORS INQUIRES and USACE RESPONSES:**  
**(Submitted During the Period of August 29, 2007 to September 5, 2007)**

**Question 1:** What are the design loads (live, vehicle, wind)?

**Response 1:** See Specifications Section 32 34 00 Paragraph 1.2.2 Design Criteria.

**Question 2:** The specs call for a provision for a future asphalt layer. How much asphalt (thickness)?

**Response 2:** The Bidder shall refer to Part 1.1 (References) of Specification Section 32 34 00. The asphalt thickness can be located in the Publication titled "AASHTO LRFD," which is referenced on Page 2 of the respective Section. This particular reference material has been added to the respective Section by way of this Amendment 0002.

**Question 3:** Are the safety rails horizontal or vertical?

**Response 3:** The safety rails are vertical, see Sheet Reference No. S-110, Sample Bridge Section.

**Question 4:** What is the spec for the pan deck form?

**Response 4:** The specification for the pan deck form is referenced in the 2007 AASHTO LRFD Bridge Design Specification, refer to Paragraph 9.7.4. Formwork installation details are located in Specification Section 03 30 00 paragraph 3.1.3.

**Question 5.** Your response to question 16 is confusing. Pay item 24 relates to culvert 6-5C and it has a pay item 24AC which is titled gatewell structure. Now you state that the structure is a precast 24" manhole not a gatewell yet the drawing C-46 refers to drawing S-45 for the gatewell details – should the pay item be corrected?

**Response 5:** The pay item is correct. The structure shown on sheet C-46 is a gatewell structure; Sheet Reference No. C-46 is corrected to read as gatewell and is attached by way of this Amendment No. 0002.

**Question 6.** We have been Informed by suppliers that no segmental block supplier can meet the specifications paragraph 2.1.2.e of section 32-32-23.Can this paragraph of the specifications be waived?

**Response 6:** No, Paragraph 2.1.2.e of Specification Section 32-32-23 will not be waived; thus stands as is. The Corps has verified that suppliers of the respective item are in the Market place.

**Question 7.** Pay item number 19AA appears to be in 17AA, please comment.

**Response 7:** Sub Item 0017AA is correct. The descriptions, unit of measures and quantities provided for Sub-Items numbered on the Revised Bid Schedule as 0019AA – 0019AD, as associated with Parent Item Number 0019, have been amended as follows: 0019AB assumes 0019AA; 0019AC assumes 0019AB; 0019AD assumes 0019AC. A revised Bid Schedule Sheet is attached hereto and incorporates the forgoing changes.

**Question 8.** No pay item for outfall structure that has been added to item 21 by Addendum No. 1 (See sheet C-48), should it be included in item 21AB?

**Response 8:** The outfall structure was removed by Amendment 0001, no pay item is required. “See Response 9 of Amendment 0001.”

**REVISED BID SCHEDULE SHEETS  
(AMENDMENT NO. 0002)**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0018AD	<b>3-60"X60" FLAP GATES AND EQUIPMENT</b> FFP	1	Lump Sum		
				NET AMT	<hr/>

ITEM NO SUPPLIES/SERVICES  
0019

**INDIANAPOLIS BOULEVARD CULVERT  
STRUCTURES**

THIS IS A PARENT LINE ITEM; THEREFORE, THE BIDDER SHALL SET FORTH ITS PRICING AT THE ASSOCIATED SUB-ITEMS FOR THIS ITEM; REFER TO SUB-ITEMS 0019AA THROUGH 0019AC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019AA	<b>REMOVE EXISTING STORM SEWER (WEST OF INDIANAPOLIS BOULEVARD)</b>	1	Lump Sum		
	FFP				

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NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019AB	<b>REMOVE SEDIMENT, GRADING AND PLACEMENT OF RIPRAP (EAST OF INDIANAPOLIS BOULEVARD)</b>	1	Lump Sum		
	FFP				

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NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019AC	<b>1-24" RCP CULVERT PIPE, END SECTION, AND TRASHRACK</b>	1	Lump Sum		
	FFP				

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NET AMT

**WAGE DETERMINATION:**

General Decision Number: IN070001 08/31/2007 IN1

Superseded General Decision Number: IN20030001

State: Indiana

Construction Types: Building, Heavy and Highway

Counties: La Porte, Lake, Porter and St Joseph Counties in Indiana.

LAKE AND PORTER COUNTIES

BUILDING CONSTRUCTION PROJECTS (does not include single family homes and apartments up to and including 4 stories, HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	02/09/2007
1	02/16/2007
2	04/06/2007
3	04/27/2007
4	05/11/2007
5	06/01/2007
6	06/15/2007
7	06/22/2007
8	07/06/2007
9	08/03/2007
10	08/17/2007
11	08/31/2007

ASBE0017-002 06/01/2007

LAKE AND PORTER COUNTIES

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 37.15	19.18
HAZARDOUS MATERIAL HANDLER (INCLUDES PREPARATION, WETTING, STRIPPING REMOVAL SCRAPPING, VACUUMING, BAGGING AND DISPOSAL OF ALL INSULATION MATERIALS, WHETHER THEY CONTAIN ASBESTOS OR NOT, FROM MECHANICAL SYSTEMS).....	\$ 24.60	13.98

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ASBE0075-001 06/01/2007

REMAINING COUNTIES:

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 28.65	10.54
HAZARDOUS MATERIAL HANDLER (includes preparation, wetting, stripping, removal, scrapping, vaccuming, bagging, and disposal of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 18.75	9.70

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BOIL0001-005 07/01/2004

LAKE COUNTY, City of Hammond; North of 114th Street

	Rates	Fringes
BOILERMAKER.....	\$ 35.16	4.36+19.5%

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BOIL0374-003 01/01/2006

	Rates	Fringes
BOILERMAKER.....	\$ 30.00	16.07

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BRIN0004-011 06/01/2007

MERRILLVILLE  
LAKE, LAPORTE AND PORTER COUNTIES

	Rates	Fringes
Bricklayer, Stone Mason, Marble Mason, Terrazzo Worker, Tile Layer, Pointer, Cle.....	\$ 32.80	15.22
Marble and terrazzo finisher.....	\$ 22.32	7.35
Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 29.10	12.72
TILE FINISHER.....	\$ 21.32	7.35

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BRIN0004-018 06/01/2007

SOUTH BEND  
ST. JOSEPH COUNTY

	Rates	Fringes
BRICKLAYER BRICKLAYER; STONE MASON; POINTER, CAULKER, CLEANER....	\$ 26.75	10.18
MARBLE AND TILE FINISHER.....	\$ 23.86	8.39
MARBLE AND TILE LAYER.....	\$ 25.73	9.38
TERRAZZO FINISHER.....	\$ 24.86	8.39
TERRAZZO WORKER.....	\$ 26.73	9.38

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CARP0765-001 06/01/2007

HEAVY, HIGHWAY AND BUILDING CONSTRUCTION

LAKE, LAPORTE AND PORTER COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 32.22	17.95
MILLWRIGHT.....	\$ 32.32	17.95

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 CARP0888-001 06/01/2007

ST. JOSEPH COUNTY (Zone 1)

	Rates	Fringes
Carpenters		
BUILDING CONSTRUCTION.....	\$ 24.74	10.62
HEAVY & HIGHWAY		
CONSTRUCTION.....	\$ 24.14	10.37
MILLWRIGHT		
BUILDING CONSTRUCTION.....	\$ 22.96	13.45

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 ELEC0153-001 06/04/2007

ST JOSEPH COUNTY

	Rates	Fringes
Communication Technician.....	\$ 22.30	8.17
ELECTRICIAN.....	\$ 27.75	13.82

Includes the installation, operation, inspection, modification, maintenance and repair of systems used for the transmission and reception of signals of any nature, for any purpose, including but not limited to, sound and voice transmission/transference systems, communication systems that transmit or receive information and/or control systems, television and video systems, micro-processor controlled fire alarm systems, and security systems and the performance of any task directly related to such installation or service. The scope of work shall exclude the installation of electrical power wiring and the installation of conduit raceways exceeding fifteen (15) feet in length.

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 ELEC0531-001 09/05/2005

LAPORTE AND PORTER COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 30.63	14.02

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 ELEC0697-001 05/30/2005

LAKE COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 32.50	14.97

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 ELEC0697-004 08/29/2005

LAKE COUNTY

	Rates	Fringes
Telecommunication Technician.....	\$ 25.34	11.71

Work covers low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V/SAT, bypass, CATV, WAN (WIDE AREA NETWORKS), LAN (local area networks), and ISDN (integrated system digital network). Does not cover any work which properly comes under the work description of Inside JW (Journeyman Wireman), but shall cover the pulling of wire in raceways, but not the installation of raceways.

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 ELEC1393-003 08/28/2006

LAKE & PORTER COUNTIES  
 (Calumet Area, North of U.S. Hwy 30)

	Rates	Fringes
Line Construction:		
EQUIPMENT OPERATOR		
(Backhoe over 1/2 yard		
bucket capacity, cranes		
rated at 15 ton or more		
capacity) 95% of J.L. Rate..	\$ 32.35	4.75+25.75%
GROUNDMAN, EQUIPMENT		
OPERATOR: (Diggers 5th		
wheel type trucks, crawler		
type, D-4 and smaller,		
bucket trucks and live		
boom type line trucks).....	\$ 25.47	4.75+25.75%
GROUNDMAN.....	\$ 18.91	4.75+25.75%
GROUNDMAN-TRUCK DRIVER.....	\$ 22.70	4.75+25.75%
LINEMAN.....	\$ 32.35	4.75+25.75%

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 ELEV0002-005 07/03/2002

ELEVATOR CONSTRUCTION

LAKE AND PORTER COUNTIES

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 34.475	7.455+a&b

FOOTNOTES:

a. Eight Paid Holidays: New Year's Day; Veterans Day, Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving and Christmas Day.

b. Employer contributes 8% of regular hourly rate to vacation pay credit for employee who has worked in business more than 5 years. Employer contributes 6% of regular hourly rate to vacation pay credit for employee who has worked in business less than 5 years.

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 ELEV0057-001 01/01/2005

LAPORTE AND ST. JOSEPH COUNTIES

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 31.77	12.015+a

FOOTNOTES:

a. Employer contributes 8% basic hourly rate for 5 years or more of service or 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

b. Eight Paid Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Veteran's Day; Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

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 ENGI0150-001 06/01/2006

BUILDING CONSTRUCTION POWER EQUIPMENT OPERATORS:

LAKE, LAPORTE, PORTER COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 36.35	14.88
GROUP 2.....	\$ 35.75	14.88
GROUP 3.....	\$ 33.05	14.88
GROUP 4.....	\$ 31.55	14.88
GROUP 5.....	\$ 26.10	14.88

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Plant; Autograde; Batch Plant); Benoto (requires 2 engineers; Boiler & throttle valve; Boring machine (mining machine); Caisson Rigs; Central redi-mix plant; Combination Backhoe Endloader with backhoe bucket over 1/2 cu. yd. or with attachments; Combination tigger hoist & air compressor; Compressor & throttle; Concrete Breaker (truck mounted); Concrete conveyor; Concrete conveyor (truck mounted); Concrete paver over 27E cu.ft.; Concrete paver 27E cu. ft. & under; Concrete placing boom; Concrete pump/grout pump with boom (truck mounted); Concrete pump with boom (truck mounted); concrete tower; Cranes and Backhoes (All Attachments); Cranes, Hammerhead Tower; Creter Crane; Derricks (all); Derricks (traveling); Forklift lull type; Forklift, 10 ton & over; Gradall, Hoist 1, 2, and 3 drums; Hoist (2 tigger 1 floor), Hydraulic Boom truck, Laser Screed, Locomotive (all), Motor patrol, Mucking Machine; Pile Driving and Skid rig, Pit machine, Prestress Machines, Pump cretes (and similar types), Rock Drill (self-propelled), Rock Drill Truck mounted; Slip form paver, Straddle buggies, Tractor with boom and side boom, Trenching Mechine; Winch Tractors, Welding machines (6-9),

GROUP 2: Air Compoessor (3) (feeding a common receiver); Asphalt Spreader; boilers; bulldozers; Combination Backhoe end loader with Backhoe bucket 1/2 cu. yd. and under or with attachments; Corboy drilling machine; Grader, Elevating; Grouting machines; Guard rail post driver; Highlift Shovel or frontend loader; Hoist (automatic), Hoist (all elevators); Hoist (tigger and single drum); Post hole digger; rollers (all); Scoop (tractor drawn); Stone crushers; Tournapull; Winch trucks

GROUP 3: Air compressor - small 210 and under (1 to 5 not to exceed a total of 300 feet); Air compressor - large over 210; Air compressor (2) feeding a common receiver; Combination - small equipment operator; Concrete mixer (two bag & over); Conveyor, portable; Forklift-under 10 ton; Generator; Pumps (1 to 3 not to exceed a total of 300 feet); Pumps, well points; Steam generators; Tractors, farm & similar type; Welding machines (2 thru 5); Winches, 4 electric drillo winches

GROUP 4: Bull gang (crane erection crew); Heaters, mechanical (1 to 5); Oilers; Switchmen

GROUP 5: Fork lifts (Housing and commercial only)

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 ENGI0150-012 06/01/2005

BUILDING CONSTRUCTION

ST. JOSEPH COUNTY

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 23.60	13.75+a
GROUP 2.....	\$ 22.25	13.75+a
GROUP 3.....	\$ 21.45	13.75+a
GROUP 4.....	\$ 20.65	13.75+a
GROUP 5.....	\$ 18.05	13.75+a

FOOTNOTE:

a. PAID HOLIDAYS: New Years Day, Fourth of July, Thanksgiving Day, Decoration Day, Labor Day and Christmas Day

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Mechanic, Asphalt Plant, Asphalt Spreader, Auto Grader; Batch Plant, Benoto (requires 2 Engineers), Boiler and Throttle Valve, Boring Machine (road), Bulldozers (with engines of 140 net horse power or more) Caisson Rigs, Central Redi-mix Plant, Concrete Conveyor Systems, Concrete Power (over 27E cu. ft.), Concrete Paver (27E cu. ft. and under), Concrete Pumps/Grout concrete placer (Truck Mounted), Concrete Tower, Cranes and backhoes (all), Cranes, Hammerhead Tower, Creter Crane, Derricks (all), Forklift (capble of hoisting and mechanically moving forks horizontally), Grader, Elevating, Highlift Shovels or Front End Loaders (over 3 yd bucket), Hoists (2 or more drums), Locomotives (all), Laser screed, Motor Patrol, Pile Drivers and Skid Rig, Pre-Stress Machines, Pump Cretes & Similar Types, Rock Drill (Self-Propelled), Rock Drill (self propelled Truck Mounted), Scoops (tractor drawn), Slip-Form Paver, Tournapull, Tractor with Boom & Side Boom, Trenching Machine (12 or more inches in width), Combination Backhoe Front End Loader Machine with backhoe 1/2 yd bucket or attachments.

GROUP 2: Air Compressor (600 cu. ft. and over), Bob Cat (over 3/4 cu. yd.), Boilers, Broom (all powered propelled), Bull Dozers with engines of less than 140 net horsepower, combination backhoe front end loader 1/2 yf bskhhoe or under, Compressor and Throttle Valve, Concrete Breaker

(truck mounted), Concrete Mixer (of more than 21 cu. ft. capacity), Forklift (with fixed or tilt mast), Greaser Engineer, Highlift shovel or front endloader 3 yd bucket and under, Hoists (1 drum), Hydraulic Boom Truck, Post Hole Digger (vehicle mounted), Pump Cretes (squeeze crete type pumps, Gypsum, bulker, Rollers(all), Steam Generators, Stone Crushers, Straddled Buggies, Tractors, Winch Trucks (with "a" frame).

GROUP 3: Buck Hoist, Combination (small equipment operator), Conveyor (portable), Grouting Machine, Hoist Elevators (material and personnel), Hydraulic Power Units, Grouting and Pile Driving, Stud Welder, Trenching Machines less than 12 inches in width, Welding Machines (8 through 15).

GROUP 4: Bobcat (up to and including 3/4 cu. yd.). Compressor (over 210 cu. ft. and less than 600 cu. ft.), Generator (over 50 kw.), Heaters, Mechanical, Hoists (all elevator, permanent installation), Hoist (automatic), Hoist (tugger single drum), Oilers, Pumps, Well Points and electric submersible, Small Rubber Tired End Loaders (1/4 cu. yd. and under), Tractors (farm type) Welding Machines (2 through 8)

GROUP 5: Bobcats and forklifts (commercial or residential)

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 ENGI0150-014 05/01/2006

POWER EQUIPMENT OPERATOR HEAVY/HIGHWAY

LAKE, LAPORTE, PORTER AND ST. JOSEPH COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 33.95	14.95
GROUP 2.....	\$ 33.50	14.95
GROUP 3.....	\$ 33.05	14.95
GROUP 4.....	\$ 31.85	14.95
GROUP 5.....	\$ 30.80	14.95

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plants (construction), Asphalt plant (permanent), Auto Patrol (Maintainer), Automatic Dry Batch Plant, Automated Concrete Placer, Automated Sub-Grader, Automated Slip Form Paver, Automated Finish Machine, Combination Backhoe Front, End Loader Machine (1/2 cu. yd.), Backhoe bucket or over or with attachments), Combination backhoe 1 cu yd, Backhoe bucket or over or with attachments, Ballast Regulator (RR), Belt Loader (stationary), Boring Machine (road), Bulldozer, Concrete Mixer(27 cu. ft. or over), Concrete Pump (truck mounted), Concrete Breaker (truck mounted and self-propelled), Core Drilling Machine, Cranes and Backhoes (all attachments), Cranes, Hammerhead, Creter Crane, Crushers (concrete, rock, recycling, etc.), Derricks, Derricks (traveling), Dredge Operator, Formless Curb and Gutter Machine (36 inches and over), Formless Curb and Gutter Machine under 36 inches, Gradall and Machines (of a like nature), Guardrail Post Driver (truck mounted), Lead Greaser, Helicopter, Highlift Shovel (3 yd. and over), Hoist (1 drum), Hoist (2, and 3 drums), Hydraulic Power Units (grouting, piledriving and

extracting) Hydro or water blaster (self-propelled), Locomotive Operators, Mechanic, Welder, Mucking Machine, Panelboard Concrete Plant (central mix type), Paver (Hetherington), Pile Driver (Skid or Crawler), Road Paving Mixer, Rock Drill Crawler or Skid Rig, Rock Drill (truck Mounted), Ross Carrier, Roto Mill Grinder (36" and over), Roto mill grinder (less than 36"), Throttle Valve and Compressor or Clever Brooks Type Combination, Throttle Valve and Fireman Combination or Horizontal or Upright Boiler, Tournapull or similar type equipment, Tractor (boom), Tractor Drawn Belt Loader with attached Pusher (requires two engineers), Trench Machine, Tug Boat Operator, Wheel Excavator, Winch Tractor with "a" frame, Scoops, Turnapull or similar types machine used in Tandem (add \$1.00 to class 1 hourly rate for each machine attached there to).

GROUP 2: Combination Backhoe Front End Loader Machine with less than 1/2 cu. yd., Backhoe Bucket or with attachments, Bituminous Mixer, Bituminous Paver, Bridge Deck Finisher, Concrete Mixer (less than 27 cu. ft.), Compressor and throttle valve, Compressor (common receiver 3), Greaser, Highlift Shovels (under 3 cu. yds.), Jersey Spreader or Base Paver, Pavement Bump Grinder (self-propelled), Roller (Asphalt, waterbound, Macadam, Bituminous Macadam, Brick Surface, Sheepfoot Roller (self-propelled with blade), Surface Heater and Planer, Tamper (mutiple vibrating, asphalt waterbound macadam, bituminous macadam, brick surface), Tractor (push), Tractor with scoop, Widener, Apsco or similar type.

GROUP 3: Back Filler, Bituminous Distributor, Broom and Belt Machine, Bull Float, Compressor (common receiver 2), Concrete cutter wheel type (rockwell), Concrete Finishing Machine, Concrete Spreader (power driven), Digger, Post Hole (power driven), Finishing Machine and Bull Float, Forklift, Form Grader, Form Tamper (motor driven), Hydraulic (boom truck) when used for hauling materials, Laser screed, Mutiple Tamping Machine, Paving Breaker, Roller (earth and subbase material), Roller sheepfoot (self-propelled), Sub-grader, Tamper, Mutipile Vibrating (earth and subbase material), Tractaire with Drill, Tractor (with all drawn attachments except backhoe and including Highlift, Endloader of 1 cu. yd. capacity and less.

GROUP 4: Air Compressors, Conveyor (all), Fireman on Boiler, Generator, Grout Machine, Power curing Spraying Machine (self-propelled), Broom (self-propelled), Seaman Tiller, Skid steer loaders, Spike Machine (RR), Stripping Machine (paint, self-propelled), Throttle Valve, Welding Machine, Well Points System.

GROUP 5: Deck Hand, Hetherington Driver, Mechanical Heater (1 to 5), Outboard or Inboard Motor Boat, Oiler, Power Saw (Concrete Power Driven), Water Pump, Grasscutter.

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IRON0292-001 01/01/2006

ST. JOSEPH and LAPORTE (REMAINDER OF COUNTY)

	Rates	Fringes
IRONWORKER.....	\$ 21.55	14.18

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 IRON0395-001 06/01/2005

LAKE, PORTER AND LAPORTE (FROM LAKE MICHIGAN ON NORTH TO 50  
 MILES S. OF LAKE MICHIGAN ON THE S. AND FROM IN/IL STATE LINE  
 ON W. TO 3 MILES E. OF IN. COUNTIES

	Rates	Fringes
Ironworkers:		
SHEETER.....	\$ 29.50	15.77
STRUCTURAL & ORNAMENTAL.....	\$ 29.25	15.77

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 LABO0041-001 06/01/2007

BUILDING CONSTRUCTION:

LAKE (Western Half)

	Rates	Fringes
Laborers:		
BUILDING CONSTRUCTION		
GROUP 1.....	\$ 28.28	10.30
GROUP 2.....	\$ 29.03	10.30
GROUP 3.....	\$ 29.28	10.30
CAISSON AND TUNNEL WORK (Compressed & Free Air)		
GROUP 1.....	\$ 29.78	10.30

LABORER CLASSIFICATIONS

GROUP 1: Building and Construction Laborers; Scaffold Builders (other than for Mason or Plasterers); Railroad Workers, Masonry Wall Workers, (interior & exterior); Portable Water, Pumps with discharge up to 3 inches; Handling of Creosote Lumber or Like Treated Material (excluding railroad material); Asphalt Rakers and Lutemen; Earth compactors; Jackmen and Sheetmen Working Ditches Deeper than Six (6) Feet in Depth; Laborers Working Ditches Six (6) Feet in Depth or Deeper; Assembly of Unicrete Pump; Tile Layers (sewer or field) and Sewer Pipe Layers (metallic or non-metallic); Motor Driven Wheelbarrows and Concrete Buggies; Hyster Operators; Pump Crete Assemblers; Core Drill Operators; Cement, Lime or Silica Clay Handler (bulk or bag); Handling of Toxic Materail Damaging to Clothing; Pneumatic Spikers; Deck Engine and Winch Operators; Water main and Cable Ducking (metallic and non-metallic); Screed Man or Screw Operator on Asphalt Paver; Chain Saw and Demolition Saw Operators; Concrete Saw; Concrete Conveyor Assemblers; Applying of Curing Compound; Sinking of Wellpoints; Dewatering Header Systems

GROUP 2: Plaster Tenders, Masons Tenders; Mortar Mixers; Welders (acetylene or electric); Cutting Torch or Burner; Cement Nozzle Laborers; Cement Gun Operators; Scaffold Builders for Plasterers; Scaffold Builders for Masons; Water Blast Machine Operators; Air Tool Operators and all Pneumatic Tool Operators, Air and Electric Vibrators and Chpping Hammer Operators; Asbestos Removal; Hazardous Waste Removal; All Boiler Setters Laborers, including expediters, bottom men, bell men, and Mason Tenders

GROUP 3: Dynamite Men; Drillers, Air Track or Wagon Drilling for explosives.

CAISSON AND TUNNEL WORK (Compressed & Free Air)

GROUP 1: Cage Tenders, Dump Men, Flagman, Signalman, Top Laborers, Rod Men, Concrete Repairmen, Motor Men, Muckers, Grout Machine, Track Layers, Air Hoist, Key Board, Agitator Car, Car Pushers, Concrete Laborers, Grout Laborers, Sttl Setters, Tuggers, Switchmen, Mucking Machine, Laser Beam, Liner Plate & Ring Setter, Shield Drivers, Power Knife, Burners, Pipe Jacking Machine, Skinners, Maintenance Technician, Miner, Bricklayer Tenders, Concrete Blowers, Drillers, Erectors, Form Men, Jackhammermen, Mining Machine, Dynamite Men, Drillers-air track or wagon drilling for explosives.

Premium for all employees working in compressed air shall be as follows:

0 - 15 lbs.	\$1.00 per hour
16 - 20 lbs.	1.50 per hour
21 - 26 lbs.	2.00 per hour
27 - 33 lbs.	3.00 per hour
34 & over	4.00 per hour

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LABO0041-004 04/01/2007

LAKE (WESTERN HALF)

	Rates	Fringes
Laborers		
HEAVY AND HIGHWAY CONSTRUCTION		
GROUP 1.....	\$ 21.99	9.45
GROUP 2.....	\$ 22.29	9.45
GROUP 3.....	\$ 22.99	9.45

LABORERS (HEAVY AND HIGHWAY) CONSTRUCTION

GROUP 1: Constructino Laborer, Carpenter Tender, Fence Erector, Grade Checker, Guard Rail Erector, Continuous Steel Rod or Mat Installer, Wire Mesh Layer, Joint Man (Mortar, Mastic, and all other types), Lighting Installer (Permanent or Temporary), Lineman for Automatic Grade Maker on Paving Machines, Mortar Man, Multi-Plant Erector, Rip-rap Installer (all Products and Materials), Road Marking and Delineation Laborer, Setting and Placing of all Precast Concrete Products, Sing Installation including supporting structure, Spraying of all Epoxy, Curing Compound, or Like Material, Flagperson, Air Tool, Power Tool, and Power Equipment Operator, Asphalt Raker Man, Batch Truck Dumper, Bridge Hand Rail ERector, Handler (bulk or bag cement), Chain Saw Man, Concrete Puddler, Concrete Rubber, Concrete Saw Operator, Core Drill Operator, Eye Level, Hand Blade Operator Hydro Seeder Man, Motor Driven Georgia Buggy Operator, Power Driven Compactor or Taper Operator, Power Saw Operator, Pump Crete Assembly Man, Sreed Man or Screw Man on Asphalt Paver, Regar Installer, Sandblaster Man, Sealer Applicator for Asphalt (toxic), Setting and Placing pre-stressed on Pre-cast Concrete

Structural Members, Side Rail Setters (for Sidewalk, Side Ditches, Radii, and Pavement), Spreader Box Tender (manual or power driven), Straw Blower Man, Subsurface Drain and Culvert Pipe Layer, Transverse and longitudinal Hand Bull Float Man, Concrete Conveyor, Horizontal Boring and Jackman and Sheetman, Pipe Grade Man, Winch and Windless Operator Conduit Installer, Sod Layer

GROUP 2: Cutting Torch Burner, Laser Beam Aligner, Manhole Erector, Sewer Pipe Layer, Water Line Installer, Temporary or Permanent Welders (electric or Oxy Acetylene)

GROUP 3: Air Track and Wagon Drillman, Dynamite and Powder Man, Concrete Barrier Rail Form Setter, General Laborer, Concrete Finisher Transverse and longitudinal hand, bull float man, concrete saw, join control cutting

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LABO0081-001 04/01/2007

HEAVY and HIGHWAY CONSTRUCTION:

LAKE (Eastern Half), LA PORTE AND PORTER COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.99	9.45
GROUP 2.....	\$ 22.29	9.45
GROUP 3.....	\$ 22.99	9.45

LABORERS (HEAVY AND HIGHWAY) GROUP DESCRIPTIONS

GROUP 1: Construction Laborer; Carpenter Tender; Fence Erector; Grade Checker; Guard Rail Erector; Continuous Steel Rod or Mat Installer; Wire Mesh Layer; Joint Man (Mortar, Mastic, and all other types); Lighting Installer (Permanent or Temporary); Lineman for Automatic Grade Maker on Paving Machines; Mortar Man; Multi-Plant Erector; Rip-rap Installer (all Products and Materials); Road Marking and Delineation Laborer; Setting and Placing of all Precast Concrete Products; Sing Installation including Supporting Structure; Spraying of all Epoxy, Curing Compound, or Like Material; Flagperson; Air Tool, Power Tool, and Power Equipment Operator; Asphalt Raker Man; Batch Truck Dumper; Bridge Hand Rail Erector; Handler (bulk or bag cement); Chain Saw Man; Concrete Puddler; Concrete Rubber; Concrete Saw Operator; Core Drill Operator, Eye Level; Hand Blade Operator Hydro Seeder Man; Motor Driven Georgia Buggy Operator; Power Driven Compactor or Tamper Operator; Power Saw Operator; Pump Crete Assembly Man; Screed Man or Screw Man on Asphalt Paver; Rebar Installer; Sandblaster Man; Sealer Applicator for Asphalt (toxic); Setting and Placing Prestressed on Precast Concrete Structural Members; Side Rail Setters (for Sidewalk, Side Ditches, Radii, and Pavement); Spreader Box Tender (manual or power driven); Straw Blower Man; Subsurface Drain and Culvert Pipe Layer; Transverse and longitudinal Hand Bull Float Man; Concrete Conveyor; Horizontal Boring and Jackman and Sheetman; Pipe Grade Man; Winch and Windlass Operator Conduit Installer, Sod Layer.

GROUP 2: Cutting Torch Burner: Laser Beam Aligner; Manhole Erector; Sewer Pipe Layer; Water Line Installer, Temporary

or Permanent; Welders (electric or Oxy-Acetylene).

GROUP 3: Air Track and Wagon Drillman; Dynamite and Powder Man; Concrete Barrier Rail Form Setter; General Laborer; Concrete finisher; transverse and longitudinal hand; bull float man, concrete saw, joint control cutting

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LABO0081-004 06/01/2007

LAKE (Eastern Half), LA PORTE AND PORTER COUNTIES

	Rates	Fringes
Laborers		
BUILDING CONSTRUCTION		
GROUP 1.....	\$ 28.28	10.30
GROUP 2.....	\$ 29.03	10.30
GROUP 3.....	\$ 29.28	10.30

LABORER CLASSIFICATIONS (BUILDING CONSTRUCTION)

GROUP 1: Building and Construction Laborers; Scaffold Builders (other than for Mason or Plasterers); Ironworker Tenders; Mechanic Tenders; Rodmen and Chainmen, Railroad Workers, Masonry Wall Workers, (interior & exterior); Roofer Tenders, Cement Finisher Tenders, Carpenter Tenders, Portable Water, Pumps with discharge up to 3 inches; Waterproofing; Hauling of Creosote Lumber or Lutemen; Asphalt Rakers; Kettlem, Earth Compactors; Jackman and Sheetmen in Ditches more than 6 ft. deep; Laborers in ditches 6' deep or deeper; Assembly of Uncrete Pump; Tile Layers (sewer or field); Sewer Pipe Layers; Motor driven Wheelbarrows and Concrete Buggies; Hyster Operator; Pump Crete Assemblers; Core Drill Operator; Cement, Line or Silica Clay Handers; Handling of Toxic Materials damaging to clothing; Pneumatic Spikers; Deck Engine and Winch Operator; Water Main and Cable Ducking; Screed Man or Screw Operator on Asphalt Paver; Chain Saw and Demolition Saw Operator; Concrete Conveyor Assembler.

GROUP 2: Plaster Tenders, Masons Tenders; Mortar Mixers; Welders (acetylene or electric); Cutting Torch or Burner; Cement Nozzle; Cement Gun; Scaffold Builders when working for Plasterers, and Mason; Water Blast Machine Operator; Air Tool Operators and all Pneumatic Tool Operators; Air and Electric Vibrators and Chipping Hammer Operators; Asbestos Removal; Hazardous Waste Removal

GROUP 3: Dynamite Men; Drillers, Air Track or Wagon Drilling for explosives; Laborer Specialist

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LABO0645-001 06/01/2007

BUILDING CONSTRUCTION:

ST JOSEPH COUNTY:

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 19.58	8.80
GROUP 2.....	\$ 19.78	8.80
GROUP 3.....	\$ 20.08	8.80

GROUP 4.....\$ 20.58 8.80

BUILDING CONSTRUCTION

GROUP 1: Building and Construction Laborers; Scaffold Builders (other than for Plasterers); Ironworker Tenders; Mechanic Tenders; Window Washers and cleaners; Waterboys and Toolhousemen; Roofers Tenders; Railroad Workers; Masonry Wall Washers (interior and exterior); Cement Finisher Tenders; Carpenter Tenders; All Portable Water pumps with discharge up to (3) inches; Plaster Tenders; Mason Tenders; Flag & Signal Person.

GROUP 2: Waterproofing; Handling of Creosot Lumber or like treated material (excluding railroad material);Asphalt Rakers and Lutemen; Kettlemen; Air Tool Operators and all Pneumatic Tool Operators; Air and Electric Vibrators and Chipping Hammer Operators; Earth Compactors Jackmen and Sheetmen working Ditches deeper than (6) ft.in depth; Laborers working in ditches (6) ft.in depth or deeper; Assembly of Unicrete Pump; Tile Layers (sewer or field) and Sewer Pipe Layer (metallic or non-metallic); Motor driven Wheelbarrows and Concrete Buggies; Hyster Operators; Pump Crete Assemblers; Core Drill Operators; Cement, Lime or Silica Clay Handlers (bulk or bag); Handling of Toxic Materials damaging to clothing; Pneumatic Spikers; Deck Engine and Winch Operators; Water Main and Cable Ducking (metallic and non-metallic); Screed Man or Screw Operator on Asphalt Paver; Chain and Demolition Saw Operators; Concrete Conveyor Assemblers.

GROUP 3: Water Blast Machine Operator; Mortar Mixers; Welders (Acetylene or electric); Cutting Torch or Burner; Cement Nozzle. Laborers; Cement Gun Operator; Scaffold Builders when Working for Plasterers.

GROUP 4: Dynamite Men; Drillers - Air Track or Wagon Drilling for explosives Hazardous and Toxic material handler, asbestos removal or handler.

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LABO0645-002 04/01/2007

(UTILITY CONSTRUCTION)

ST JOSEPH COUNTY

	Rates	Fringes
Laborers:		
GROUP 1:.....	\$ 20.22	8.90
GROUP 2:.....	\$ 20.52	8.90
GROUP 3:.....	\$ 21.22	8.90

LABORER CLASSIFICATIONS (UTILITY CONSTRUCTION)

GROUP 1: Construction laborer; Fence erector; Flagger; Grade checker; Guard rail erector; Wire mesh layer; Joint man (mortar, mastic and all other types); Lighting installer (permanent or temporary); Lineman for automatic grade maker on paving machines; Mortar man; Multi-plateerector; Rip-rap installer (all products and materials); Road markin and delineation laborer; Setting and placing of all precast concrete products; Sign installation including supporting

structure; Spraying of all epoxy, curing compound, or like material; sod layer; Air tool, power tool, and power equipment operator; Asphalt lute man; Asphalt raker man; Batch truck dumper; Bridge handrail erector; Handler (bulk or bag cement); Chain saw man; concrete puddler; concrete rubber; Concrete saw operator; Core drill operator, eye level; Hand blade operator; Hydro seeder man; Motor-driven Georgia buggy operator; Power-driven compactor or tamper operator; Power saw operator; Pumpcrete assembly man; Screed man or screw man or asphalt paver; Rebar installer; Sandblaster man; Sealer applicator for asphalt (toxic); Setting and placing prestressed or precast concrete structural members; Side rail setter (for sidewalks, side ditches, radii, and pavements); Spreader box tender (manual or power-driven); Straw blower man; Subsurface drain and culvert pipe layer; Transverse and longitudinal hand bull float man; Concrete conveyor assembly man; Horizontal boring and jacking man; Jackman and sheetman; Pipe grade man; winch and windlass operator

GROUP 2: Cutting torch burner; Laser beam aligner; Manhole erector; Sewer pipe layer; Water line installer, temporary or permanent; Welder (electric or oxy-acetylene) in connection with waterline and sewer work, Hod Carrier (tending bricklayers); TVing and associated grouting of utility lines.

GROUP 3: Air track and wage drillman; Concrete barrier rail form setter; Dynamite and powder man; General leadman; Concrete Finisher; Transverse and Longitudinal hand Bullfloat man; Concrete Saw Joint Cutting

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LABO0645-004 04/01/2007

ST. JOSEPH COUNTY

	Rates	Fringes
Laborers		
HEAVY AND HIGHWAY CONSTRUCTION		
GROUP 1.....	\$ 20.02	8.90
GROUP 2.....	\$ 20.32	8.90
GROUP 3.....	\$ 21.22	8.90

LABORER CLASSIFICATIONS (HEAVY AND HIGHWAY CONSTRUCTION)

GROUP 1: Construction laborer; Fence erector; Flagger; Grade checker; Guard rail erector; Wire mesh layer; Joint man (mortar, mastic and all other types); Lighting installer (permanent or temporary); Lineman for automatic grade maker on paving machines; Mortar man; Multi-plateerector; Rip-rap installer (all products and materials); Road markin and delineation laborer; Setting and placing of all precast concrete products; Sign installation including supporting structure; Spraying of all epoxy, curing compound, or like material; sod layer; Air tool, power tool, and power equipment operator; Asphalt lute man; Asphalt raker man; Batch truck dumper; Bridge handrail erector; Handler (bulk or bag cement); Chain saw man; concrete puddler; concrete rubber; Concrete saw operator; Core drill operator, eye level; Hand blade operator; Hydro seeder man; Motor-driven Georgia buggy operator; Power-driven compactor or tamper

operator; Power saw operator; Pumpcrete assembly man; Screed man or screw man or asphalt paver; Rebar installer; Sandblaster man; Sealer applicator for asphalt (toxic); Setting and placing prestressed or precast concrete structural members; Side rail setter (for sidewalks, side ditches, radii, and pavements); Spreader box tender (manual or power-driven); Straw blower man; Subsurface drain and culvert pipe layer; Transverse and longitudinal hand bull float man; Concrete conveyor assembly man; Horizontal boring and jacking man; Jackman and sheetman; Pipe grade man; winch and windlass operator

GROUP 2: Cutting torch burner; Laser beam aligner; Manhole erector; Sewer pipe layer; Water line installer, temporary or permanent; Welder (electric or oxy-acetylene) in connection with waterline and sewer work, Hod Carrier (tending bricklayers); TVing and associated grouting of utility lines.

GROUP 3: Air track and wage drillman; Concrete barrier rail form setter; Dynamite and powder man; General leadman; Concrete Finisher; Transverse and Longitudinal hand Bullfloat man; Concrete Saw Joint Cutting

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 PAIN0027-004 06/01/2007

LAKE COUNTY, West of Highway #41, including HAMMOND area

	Rates	Fringes
GLAZIER.....	\$ 35.00	18.78

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 PAIN0091-004 06/01/2007

LA PORTE (Everything East of Hwy 39 and North of Hwy 20, including the Cities of LaPorte and Michigan City); ST. JOSEPH COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller, Drywall		
Taping & Finishing,		
Vinyl/Paper Hanging.....	\$ 23.03	9.30
Spray.....	\$ 23.53	9.30

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 PAIN0460-003 06/01/2007

PORTER, LAKE and the remainder of LA PORTE COUNTY)

	Rates	Fringes
Painters:		
DRYWALL FINISHING.....	\$ 29.24	13.58
PAINTER.....	\$ 28.44	14.58

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 PAIN1165-005 07/01/2007

LAKE (EAST OF HIGHWAY #41 EXCLUDING HAMMOND AREA), LAPORTE and PORTER COUNTIES

	Rates	Fringes
GLAZIER.....	\$ 30.02	12.75
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PAIN1165-009 07/01/2007		

ST. JOSEPH

	Rates	Fringes
GLAZIER.....	\$ 24.14	10.10
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PLAS0101-006 01/01/2006		

HEAVY/HIGHWAY

ST. JOSEPH COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 25.41	8.95
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* PLAS0101-007 06/01/2007		

BUILDING CONSTRUCTION

ST. JOSEPH COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 23.79	10.15
PLASTERER.....	\$ 24.81	11.25
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* PLAS0165-001 06/01/2007		

LAKE COUNTY (EXCEPT BY THE NORTHEAST SECTION LYING NORTH OF CROWN POINT AND EAST OF GRIFFITH)

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
BUILDING CONSTRUCTION.....	\$ 34.03	14.67
HEAVY & HIGHWAY		
CONSTRUCTION.....	\$ 28.23	11.07
PLASTERER		
BUILDING CONSTRUCTION.....	\$ 29.60	13.03
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* PLAS0406-001 07/01/2007		

LAKE COUNTY (NORTHWARD ON LAKE COUNTY LINE TO AND INCLUDING THE CITY OF MERRILLVILLE, BUT NOT THE CITY LIMITS OF CROWN POINT), PORTER COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
BUILDING CONSTRUCTION.....	\$ 32.25	16.44
HEAVY & HIGHWAY		
CONSTRUCTION.....	\$ 27.69	11.61
PLASTERER		
BUILDING CONSTRUCTION.....	\$ 30.23	12.40

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 PLAS0438-001 06/01/2007

LAPORTE COUNTY, EASTERN PORTION OF PORTER COUNTY WEST TO BUT  
 NOT INCLUDING CHESTERTON IN THE NORTH AND WEST TO AND INCLUDING  
 KOUTS IN THE SOUTH

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER BUILDING CONSTRUCTION		
Cement Mason.....	\$ 31.93	16.60
HEAVY & HIGHWAY CONSTRUCTION		
Cement Mason.....	\$ 27.52	11.47

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 PLUM0172-006 06/04/2007

LA PORTE COUNTY (CITY OF LAPORTE) AND ST. JOSEPH COUNTY

	Rates	Fringes
Plumber, Pipefitter, Steamfitter.....	\$ 28.35	12.16

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 PLUM0210-001 06/01/2007

LAKE, LAPORTE (Excluding the City of LaPorte) and PORTER  
 COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 33.26	14.75

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 PLUM0597-003 06/01/2007

LAKE (Entire County), LA PORTE (Excluding the city of La  
 Porte), PORTER (Entire County)

	Rates	Fringes
PIPEFITTER.....	\$ 40.00	17.33

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 ROOF0023-006 01/01/2007

LA PORTE AND ST. JOSEPH COUNTIES

	Rates	Fringes
Roofers:		
COMPOSITION.....	\$ 24.95	8.90
SLATE & TILE.....	\$ 25.45	8.90

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 ROOF0026-003 06/01/2007

LAKE AND PORTER COUNTIES

	Rates	Fringes
ROOFER, Including Built Up,		

Composition and Single Ply.....\$ 30.66 13.62

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SFIN0281-001 06/01/2007

PORTER COUNTY (North of U.S. Route 30)

	Rates	Fringes
Sprinkler Fitters.....	\$ 40.50	15.80

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SFIN0669-001 04/01/2006

LAKE AND PORTER COUNTIES

	Rates	Fringes
SPRINKLER FITTER.....	\$ 31.29	11.40

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SFIN0669-002 04/01/2006

	Rates	Fringes
SPRINKLER FITTER.....	\$ 31.29	11.40

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SHEE0020-013 07/01/2007

ST. JOSEPH COUNTY

	Rates	Fringes
Sheet metal worker.....	\$ 27.50	14.99

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SHEE0020-015 07/01/2007

LAKE, LAPORTE AND PORTER COUNTY

	Rates	Fringes
Sheet metal worker.....	\$ 32.73	15.35

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TEAM0142-002 06/01/2006

	Rates	Fringes
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Truck drivers: (BUILDING  
CONSTRUCTION ONLY)

LAPORTE COUNTY

GROUP 1.....	\$ 14.00	A
GROUP 2.....	\$ 14.10	A
GROUP 3.....	\$ 14.25	A
GROUP 4.....	\$ 14.45	A

Truck drivers: (BUILDING,  
HEAVY AND HIGHWAY  
CONSTRUCTION (INCLUDING  
ASPHALT PAVING WORK))

LAKE AND PORTER COUNTIES

GROUP 1.....	\$ 28.85	10.57
GROUP 2.....	\$ 29.05	10.57
GROUP 3.....	\$ 29.25	10.57
GROUP 4.....	\$ 29.45	10.57
GROUP 5.....	\$ 29.80	10.57
GROUP 6.....	\$ 31.10	10.57

FOOTNOTE: A. \$123.50 PER WEEK. PER EMPLOYEE

(BUILDING CONSTRUCTION ONLY)  
LAPORTE COUNTY

GROUP 1: 4 Wheel and sheet metal trucks  
GROUP 2: 6 Wheel and semi trucks  
GROUP 3: Winch Trucks  
GROUP 4: Mechanics

BUILDING, HEAVY & HIGHWAY AND ASPHALT PAVING  
LAKE AND PORTER COUNTIES

GROUP 1: 2 and 3 Axle  
GROUP 2: 4 Axle  
GROUP 3: 5 Axle  
GROUP 4: 6 Axle  
GROUP 5: Over 6 Axles  
GROUP 6: Articulated Dumps

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TEAM0364-004 06/01/2005

	Rates	Fringes
Truck drivers:		
BUILDING CONSTRUCTION (St. Joseph County)		
GROUP 1.....	\$ 19.33	a+b
GROUP 2.....	\$ 19.54	a+b
GROUP 3.....	\$ 19.62	a+b
GROUP 4.....	\$ 19.67	a+b
HEAVY AND HIGHWAY CONSTRUCTION (LaPorte & St. Joseph Counties)		
GROUP 1.....	\$ 15.12	a
GROUP 2.....	\$ 15.17	a
GROUP 3.....	\$ 15.22	a
GROUP 4.....	\$ 15.27	a
GROUP 5.....	\$ 15.32	a
GROUP 6.....	\$ 15.37	a
GROUP 7.....	\$ 15.42	a
GROUP 8.....	\$ 15.47	a
GROUP 9.....	\$ 15.52	a
GROUP 10.....	\$ 14.97	a
GROUP 11.....	\$ 15.07	a
REMAINING COUNTIES		

FOOTNOTE:

a. HEALTH & WELFARE: \$237.40 per week for each employee.  
PENSION: \$37.00 per week for each employee.

b. HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

TRUCK DRIVERS BUILDING CLASSIFICATIONS

GROUP 1: Pickup Trucks  
GROUP 2: Single Axle Trucks  
GROUP 3: Tandem, Triaxle and Fuel Trucks  
GROUP 4: Semi Trailer Trucks

For the REMAINING COUNTIES:

FOOTNOTE: a. \$162.30+.07 per week, per employee

TRUCK DRIVER HEAVY & HIGHWAY CLASSIFICATIONS

GROUP 1: Single axle straight trucks

GROUP 2: Single axle fuel and water trucks

GROUP 3: Single axle "dog-legs", and tandem truck or dog-legs; Drivers on batch trucks, wet or dry over 3 (34E) batches and tandem axle truck.

GROUP 4: Tandem axle fuel and Tandem axle water trucks; Drivers on Bituminous Distributors, Two-Man.

GROUP 5: Tandem trucks over 15 tons payload; Single axle semi trucks; Farm tractors hauling material; Mixer trucks (all types); trucks pulling tilt-top trailer single axle; single axle lowboys; truck mounted pavement breakers.

GROUP 6: Tandem trucks or "dog-legs"; Semi-water; Sprinkler; Heavy equipment-type water wagons, 5,000 gallons and under; Drivers on Bituminous Distributors, One-Man.

GROUP 7: Tri-axle trucks; tandem axle semi trucks; Equipment when not self-loaded or pusher loaded, such as Koehring or similar dumpsters, track trucks, Euclid bottom dump and hug bottom dump, tournatrailer, tournarockers, atley wagons, or similar equipment over 12cu. yds.; Mobile mixer trucks; trucks pulling tilt-top trailer tandem axle; Low-boys tandem axle; Tri- axle batch trucks and Tri-axle truck grease and maintenance truck for servicing equipment.

GROUP 8: Tandem-tandem semi trucks; truck mechanics and welders; Heavy equipment type water wagon over 5,000 gallons. Trucks pulling tilt-top trailer tri-axle; Low-boys tandem-tandem axle.

GROUP 9: Low-boys, tandem tri-axle; Acey wagons up to and including three (3) buckets.

GROUP 10: Pick-up trucks.

GROUP 11: Tenders; Greasers; Tire Men; Batch Board Tenders.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates

listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

with concrete deck for the pedestrian bridge East of Kennedy as described in SECTION 32 34 00, FABRICATED BRIDGES and as shown on drawings. Payment constitutes full compensation for all labor, equipment, materials and all incidentals.

1.1.10.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.11 WEST OF KENNEDY PEDESTRIAN BRIDGE (Bid Item 0034AD)

1.1.11.1 Payment

Payment will be made at the contract lump sum price for the work associated with pedestrian bridge West of Kennedy as described in SECTION 32 34 00, FABRICATED BRIDGES and as shown on drawings. Payment constitutes full compensation for all labor, equipment, materials and incidentals including fabrication, delivery, erection and temporary shoring.

1.1.11.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.12 SEGMENTAL BLOCK WALL AT WEST OF KENEDY PEDESTRIAN BRIDGE (Bid Item 0034AC)

1.1.12.1 Payment

Payment will be made at the contract lump sum price for the work associated with the segmental block wall as described in SECTION 32 32 23 SEGMENTAL CONCRETE BLOCK RETAINING WALL. Payment constitutes full compensation for all labor, equipment, materials and incidentals including excavation, bedding, backfill, formwork, concrete and reinforcing.

1.1.12.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.13 REMOVAL OF EXISTING DRAINAGE STRUCTURES (Bid Item ~~0019AB~~ 0019AA, 0021AB, 0023AE, 0027AD, and 0029AF)

1.1.13.1 Payment

Payment will be made at the contract lump sum price for the work associated with the removal of existing manholes, catchbasins, storm sewers, culvert pipes or other drainage structures indicated on the drawings. Payment constitutes full compensation for all labor, equipment, materials and incidentals including excavation, backfill, removal and disposal.

1.1.13.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.14 GATEWELLS OR GATEWELLS WITH HEADWALLS (Bid Item 0018AA, 0020AA, 0024AC, and 0026AC)

1.1.14.1 Payment

Payment will be made at the contract lump sum price for the work associated

with gatewells with and without headwalls as described in SECTION 33 49 33.00 03 SLUICE GATES AND FLAP GATES, SECTION 03 30 00.00 CONCRETE and SECTION 05 50 00.00 10 MISCELLANEOUS METALS. Payment constitutes full compensation for all labor, equipment, materials and incidentals including excavation, bedding, backfill, miscellaneous metal items, formwork, concrete and reinforcing.

1.1.14.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.15 HEADWALLS (Bid Item 0017AB, 0024AE, 0027AB, 0028AD and 0029AD)

1.1.15.1 Payment

Payment will be made at the contract lump sum price for the work associated with the Headwall Structures as described in SECTION 33 49 33.00 03 SLUICE GATES AND FLAP GATES and SECTION 03 30 00.00 CONCRETE. Payment constitutes full compensation for all labor, equipment, materials and incidentals including excavation, bedding, backfill, formwork, concrete and reinforcing.

1.1.15.2 Unit of Measure

Unit of measure: Lump Sum (LS)

1.1.16 HEAVY DUTY SLUICE GATES, FLAP GATES AND EQUIPMENT (Bid Item 0017AC, 0018AC, 0018AD, 0020AB, 0020AD, 0021AD, 0021AE, 0023AD, 0024AF, and 0024AG, 0026AE, 0026AF, 0027AC, 0028AE, 0029AE, 0040AD and 0040AE)

1.1.16.1 Payment

Payment at the contract lump sum price will be made for heavy-duty sluice gates, flap gates, portable electric operators and equipment as described in SECTION 33 49 33.00 03 SLUICE GATES AND FLAP GATES. Payment constitutes full compensation for all labor, delivery, equipment, materials, and incidentals associated with both sluice and flap gates.

1.1.16.2 Unit of Measure

Unit of Measure: Lump Sum (LS)

1.1.17 PRECAST DRAINAGE STRUCTURES (Bid Items 0010AH, 0017AA, ~~0019AA,~~ ~~0019AD,~~ 0019AC, 0020AC, 0021AF, 0023AG, 0024AD, 0026AD, 0027AA, 0028AC, 0029AC, and 0040AC)

1.1.17.1 Payment

Payment will be made at the contract lump sum price for installing the precast drainage structures as described in SECTION 33 40 00.00 STORM-DRAINAGE SYSTEM, and as shown on drawings, including excavation, bedding, backfilling, castings for the construction of the drainage structures, pipes, geotextile (described in SECTION 31 05 19.13 GEOTEXTILES USED AS FILTERS AND UNDERLAYS), connection to drainage piping and providing the manholes, catch basins, concrete collars, end sections, and trashracks. Payment constitutes full compensation for all labor, equipment, materials, and incidentals necessary to complete the work.

## 1.1.25.2 Unit of Measure

Unit of measure: Unit of measure: Lump Sum (LS)

1.1.26 REMOVE SEDIMENT, GRADING, AND PLACEMENT OF RIPRAP (Bid Item ~~0019AC~~  
0019AB)

## 1.1.26.1 Payment

Payment will be made at the contract lump sum price for removal and disposal of sediment, grading and placing riprap (at the existing 48" gatewell East of Indianapolis Boulevard) as described in SECTION 31 37 16.00 03 RIP-RAP FOR EROSION CONTROL. Payment constitutes full compensation for all labor, materials, equipment, tools, and incidentals necessary to complete the work. Including but not limited to excavation, grading and placement of riprap.

## 1.1.26.2 Unit of Measure

Unit of measure: Unit of measure: Lump Sum (LS)

## 1.1.27 RECREATION TRAIL SIGNAGE (Bid Item 0010AG)

## 1.1.27.1 Payment

Payment will be made at the contract lump sum price for furnishing and installing the recreation trail signs as shown on drawing R-08. Payment constitutes full compensation for all plant, labor, materials, equipment, tools, and incidentals necessary to complete the work.

## 1.1.27.2 Unit of Measure

Unit of measure: Lump Sum (LS)

## 1.2 UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in the BIDDING SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items.

## 1.2.1 FRENCH DRAINS (Bid Item 0007)

## 1.3.1.1 Payment

Payment will be made at the contract unit price for the work associated with French Drains, as shown on drawings. Payment constitute full compensation for all plant, labor, excavation and backfill, and incidentals necessary to complete the work.

## 1.2.1.1 Measurement

Measurement will be based on the linear foot of french drains installed.

## 1.2.16.3 Unit of Measure

Unit of measure: Ton (TN)

## 1.2.17 GABION MATTRESS (Bid Item 0014AC)

## 1.2.17.1 Payment

Payment will be made for costs associated with gabion mattress, including the cost of furnishing, assembling, and placing the wire baskets, the stone fill, and all other materials, labor, equipment, tools, supplies, and incidental costs in connection with completing this item of work.

## 1.2.17.2 Measurement

Gabions meeting the requirements of these specifications and acceptably placed within the limits indicated on the drawings or otherwise established in the field, will be measured for payment by the cubic yard of stone filled gabions in place.

## 1.2.17.3 Unit of Measure

Unit of measure: Cubic Yards (CY)

1.2.18 STEEL SHEET PILING (Bid Item 0013AD, 0015AB, 0018AB, 0021AC, 0022AA, 0023AB, 0023AC, 0025AA, 0025AB, 0030AB, 0034AF, 0035AE, 0038AA, 039AA, 0040AA, 0041AA, 0042AB and 0043AA)

## 1.2.18.1 Payment

Payment at the contract unit price will be made for the installation of steel sheet piling as described in SECTION 35 49 13.10 03 METAL SHEET PILING, including removing and disposing of all materials. Payment constitutes full compensation for all necessary labor, equipment, materials, steel channels and bars, and other incidental items necessary to complete the work.

## 1.2.18.2 Unit of Measure

Unit of measure: Square Feet (SF)

## 1.2.19 STEEL H-PILES (Bid Item 0013AE, 0034AG, 0035AF, and 0042AC)

## 1.2.19.1 Payment

The Contractor shall furnish a price which includes all necessary equipment, tools, material, labor, and supervision required to: deliver, handle, install, and cut off the piles (including test piles); conduct the load tests; and meet the applicable contract requirements. Payment for piles will be on the basis of the lengths of the piles measured from cut off elevations to final tip elevations. No additional payment will be made for: damaged, rejected, or misplaced piles; withdrawn piles other than test piles withdrawn as directed; any portion of a pile remaining above the cut off elevation; backdriving; cutting off piles; splicing; build-ups; or any cut off length of piles.

## 1.2.19.2 Unit of Measure

The Contracting Officer reserves the right to increase or decrease the

## 1.2.22.2 Measurement

Measurement will be based on the linear foot of concrete curb and concrete gutter installed.

## 1.2.22.3 Unit of Measure

Unit of measure: Linear Foot (LF)

## 1.2.23 REMOVAL OF UNSUITABLE MATERIAL (Bid Item 0012)

## 1.2.23.1 Payment

All costs associates with the off site disposal of the material piles found on site will be paid for by the contract unit price. This item covers the removal of material for the reconstruction of Parkway Drive.

## 1.2.23.2 Measurement

Materials being disposed off-site will be measured for payment by the cubic yard as recorded on-site, as approved by the Contracting Officers's Representative.

## 1.2.23.3 Unit of Measure

Unit of Measure: Cubic Yard (CY)

1.2.24 6" PCC BASE COURSE (Bid Item 0011AA)1.2.24.1 Payment

Payment will be made at the contract unit price per square foot for PCC base course as described in SECTION 03 30 00.00 CONCRETE. Payment constitutes full compensation for furnishing all materials, equipment, plant, and tools; and for labor and other incidentals necessary to complete work required.

No separate measurement or direct payment will be made for PCC base course used to repair street cuts for drainage structure and culvert installations. All associated costs for repair work shall be included with the applicable unit prices in the Bid Schedule.

1.2.24.2 Unit of Measure

Unit of Measure: Square Foot (SF)

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION (Not Applicable)

-- End of Section --

precast concrete. The Contractor shall develop the concrete mixture in accordance with the requirements of this Section ~~03307 CONCRETE~~ ~~this is the concrete section?~~

#### 1.4.5 Calculations

Calculations for design of concrete segments and connections not shown shall be made by a professional engineer experienced in the design of precast concrete items. The Contractor shall perform and provide complete structural analyses for precast concrete units to account for handling, lifting inserts, transportation, erection and grouting stresses. Calculation shall include the analysis of member for stresses and the sizing of the lifting inserts. As a minimum, the concrete geometry, section length, reinforcing steel and location, number and size of the base grouting holes within the precast concrete cap shall be designed by the Contractor. The designer shall determine and specify the maximum grouting base pressure to be used by the Contractor

#### 1.4.6 Cement Grout

The precast concrete cap shall be attached to the sheet piling using base grouting. The grout shall be a mixture of cement, sand and admixtures necessary to achieve the desired self-consolidating and flowability under the cap and shall completely fill all voids under the cap. The cement grout shall obtain a compressive strength of 1,250 psi at 7 days and 3,000 psi at 28 days. The mix design shall be designed by the Contractor and submitted to the Contracting Officer for approval. The grouting technique and procedure shall be determined by the Contractor and submitted to the Contracting Officer for review and approval.

#### 1.4.7 Segment Joints

The precast concrete cap shall be fabricated in segments. The Contractor shall determine the actual number of segments and segment lengths required. A minimum of two segments is required to ensure adequate operation of the adjacent rail line. Additional segments to be utilized by the Contractor to facilitate construction procedures shall be reviewed and approved by the Contracting Officer. Design calculations shall be prepared using the intended segment geometry and lengths. The joints between segments shall be filled with an injected epoxy material to be selected by the Contractor and approved by the Contracting Officer. The Contractor shall submit the joint sealing system to the Contracting Officer for review and approval.

## PART 2 PRODUCTS

### 2.1 MATERIALS

#### 2.1.1 Cementitious Materials

Cementitious materials shall conform to the appropriate specifications listed:

##### 2.1.1.1 Portland Cement

ASTM C 150, Type I or II.

##### 2.1.1.2 Pozzolan

Pozzolan shall conform to ASTM C 618, Class F.

## SECTION 32 34 00

## FABRICATED BRIDGES

## PART 1 GENERAL

## 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS  
(AASHTO)

~~AASHTO HB-17~~ (~~2002; Errata 2003~~) ~~Standard~~  
~~Specifications for Highway Bridges~~

AASHTO LRFD 2007 Load and Resistance Factor Design  
(LRFD) Bridge Design Specification

AASHTO GSDPB-1 (1997) Guide Specifications for Pedestrian  
Bridges

AMERICAN WELDING SOCIETY (AWS)

AWS D1.1/D1.1M (2006) Structural Welding Code - Steel

AWS D1.5 (2002) Bridge Welding Code

ASTM INTERNATIONAL (ASTM)

ASTM A 29/A 29M (2005) Standard Specification for Steel  
Bars, Carbon and Alloy, Hot-Wrought  
General Requirements for

ASTM A 588/A 588M (2005) High-Strength Low-Alloy Structural  
Steel with 50 ksi (345 MPa) Minimum Yield  
Point to 4 in. (100 mm) Thick

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

AISC 303 (2005) Code of Standard Practice for Steel  
Buildings and Bridges

AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA)

AWPA C1 (2003) All Timber Products - Preservative  
Treatment by Pressure Processes

## 1.2 GENERAL REQUIREMENTS

## 1.2.1 Manufacturer's Instructions

Manufacturer's Instructions shall be submitted by the Contractor for all bridges, indicating splicing and erection procedures, warranty information,

and inspection and maintenance procedures.

#### 1.2.2 Design Criteria

The bridge superstructures shall be designed and fabricated in accordance with AISC 303, AWS D1.5, and conform to the rules and standards of AASHTO GSDPB-1 and applicable sections of ~~AASHTO HB-17~~ AASHTO LRFD.

#### 1.2.3 Design Analysis and Calculations

Design Analysis and Calculations for all bridges shall be prepared and certified by a registered professional structural engineer. These shall be submitted 45 days prior to construction of the abutments and piers to verify design requirements.

#### 1.2.4 Manufacturer's Experience

Bridge Manufacturer shall have been in the business of design and fabrication of bridges for a minimum of five years.

#### 1.2.5 Bridge System

The bridge system shall be structural steel, half-through truss system as approved by the contracting officer.

#### 1.2.6 Camber

The bridge shall have a vertical camber dimension at midspan equal to 100% of the full dead load deflection plus a maximum of 0.1% of the full length of the bridge.

### 1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

#### SD-01 Preconstruction Submittals

##### Manufacturer's Instructions

Manufacturer's Instructions shall be submitted in accordance with paragraph entitled, "General Requirements," of this section.

##### Design Analysis and Calculations;G, LRH

Design Analysis and Calculations shall be submitted in accordance with paragraph entitled, "General Requirements," of this section.

#### SD-02 Shop Drawings

Fabrication Drawings shall be submitted for all bridges.

Erection Drawings shall be submitted for all bridge abutments and piers.

#### SD-03 Product Data

Welding Procedure Qualifications; G, DS  
Section 32 34 00 - Page 3  
AMD-0002

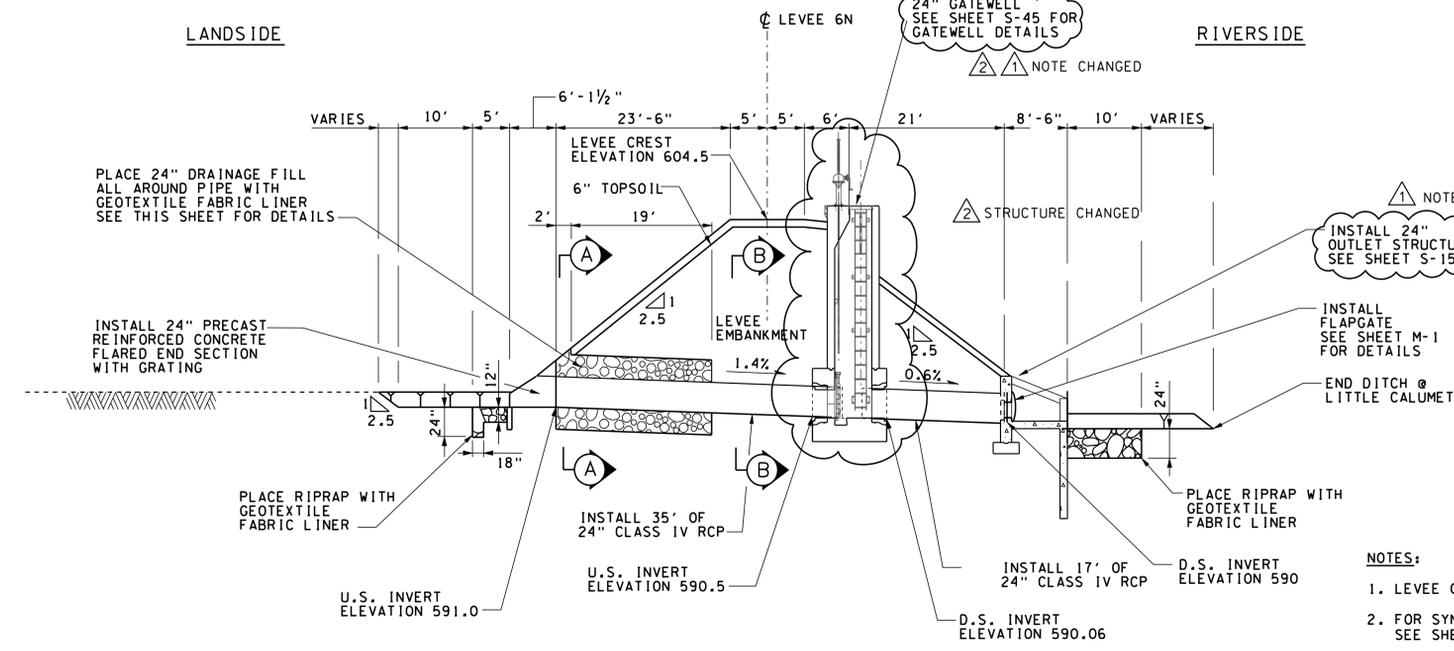
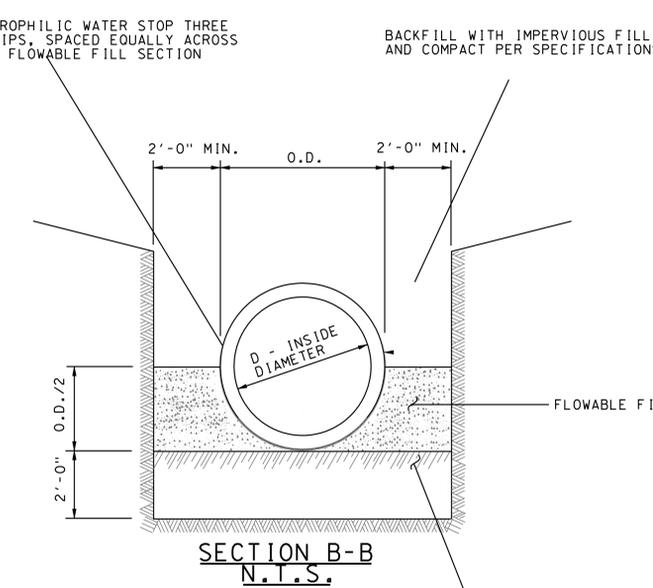
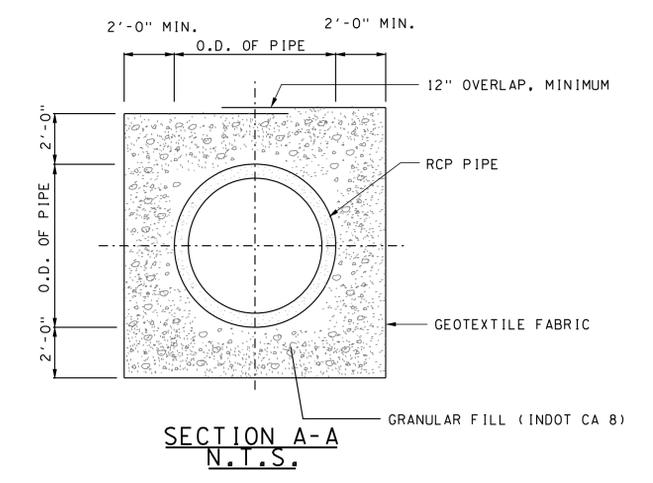
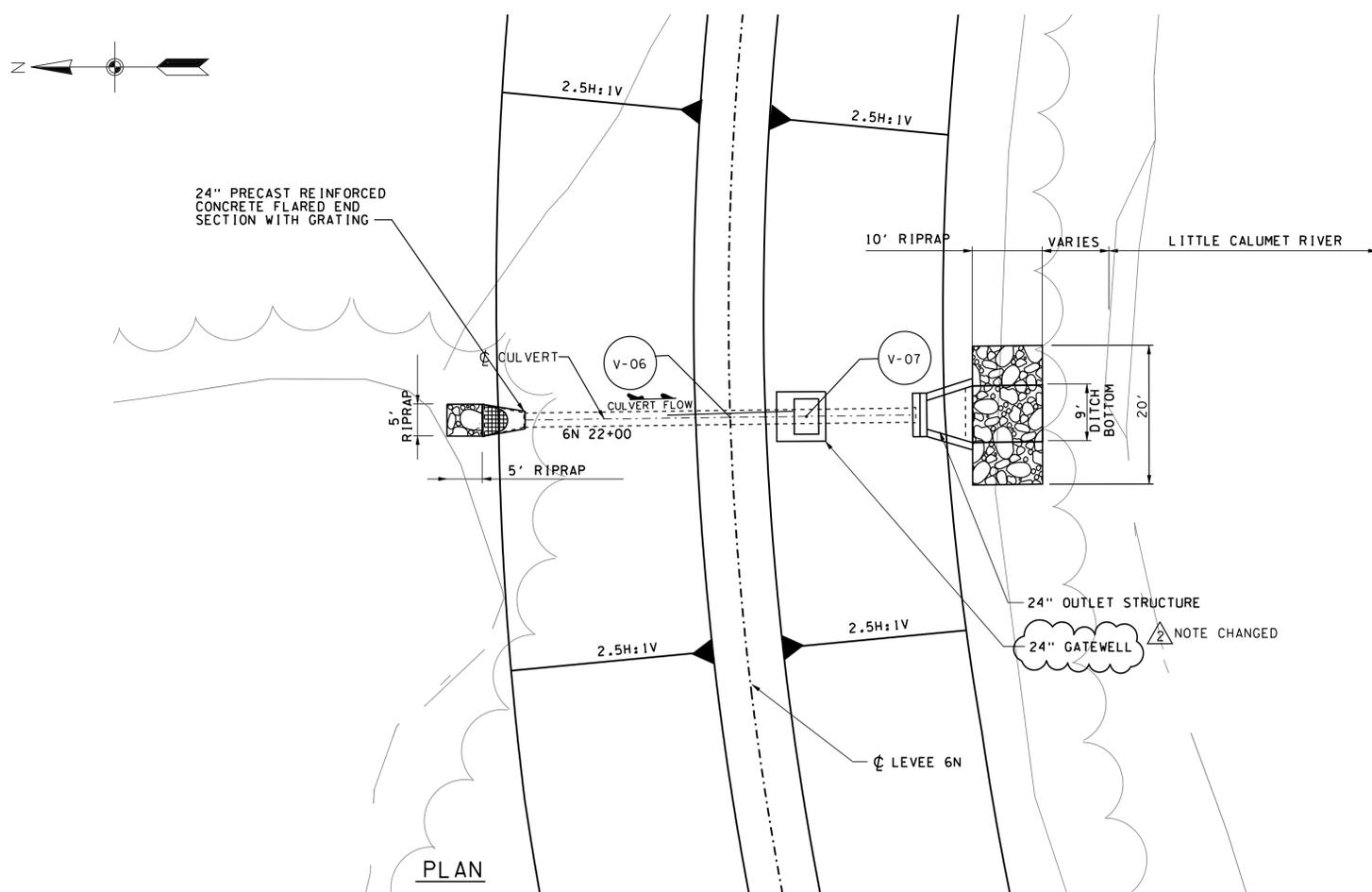
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DESIGNED BY:	DATE:	SCALE:	DATE:
JAG	AUG 2007	AS SHOWN	
DRAWN BY:	CHECKED BY:	SOLICITATION NUMBER:	DATE:
DB	JOHN GROBOSKI	W912PB-07-B-0006	

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
CHICAGO, ILLINOIS

LITTLE CALUMET RIVER, INDIANA  
LOCAL FLOOD PROTECTION  
STAGE V, PHASE 2 - LEVEE  
CULVERT 6-5C DETAIL -  
24" RCP - 6N

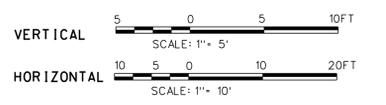
SHEET REFERENCE NUMBER:  
**C-46**  
SHEET 50 OF 138



△ DESCRIPTION COLUMN CHANGED

DESCRIPTION	POINT	NORTHING	EASTING
CL LEVEE AND CL CULVERT	V-06	1482846.33	394729.51
CL GATEWELL AND CL CULVERT	V-07	1482835.54	394728.12

- NOTES:
1. LEVEE CONTROL POINTS ARE LISTED ON WORK LIMITS SHEET C-10.
  2. FOR SYMBOLS, ABBREVIATIONS, & GENERAL NOTES SEE SHEETS G-03 AND G-04.
  3. FOR LEVEE TYPICAL SECTIONS SEE SHEET C-42.
  4. RIPRAP SHALL BE INDOT "REVTMENT" GRADEATION RIPRAP.
  5. PIPE BEDDING AND BACKFILL SHALL BE IMPERVIOUS MATERIAL EXCEPT FOR DRAINAGE FILL AREA.
  6. FOR LEVEE 6N PLAN AND PROFILE DETAILS SEE SHEET C-23.
  7. FOR TRENCH SECTION DETAILS, SEE SHEET C-42.
  8. SEE S-45 FOR GATEWELL.
  9. SEE SHEET C-43 FOR PRE-LOAD REQUIREMENTS.



NOTE CHANGED △







