

December 6, 2010

Addendum No. 001
IFB 9-101215J

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA **AND ALTON**, MISSOURI

THE BID OPENING DATE AND TIME SHALL REMAIN: DECMEBER 29, 2010 AT 3:00 P.M. LOCAL TIME.

The purpose of this addendum is to add one (1) Radio Tower at the Alton Tower site. This bid shall be for two (2) radio towers, one (1) at the Winona location and one (1) at the Alton location.

ATTACHMENT INSTRUCTIONS:

Remove and replace 00301 Bid Form page.

Add the 5-page Alton Radio Tower Specification.

Annual Wage Order for Oregon County shall apply to the Alton location.

AWARD:

Award of this will be made on an "Item By Item" basis using the "lowest and best" principle of award which may result in multiple awards.

END SECTION

00301

BID FORM

To: The Missouri Highway and Transportation Commission
PO Box 270
Jefferson City, Missouri 65102

1. The undersigned, having examined the proposed Contract Documents titled: **“9-101229 District Radio Towers”** and having visited the site and examined the conditions affecting the work, hereby proposes and agrees to furnish all labor, materials, equipment and everything which may be necessary or incidental thereto, as proposed by said Contract Documents, all to the satisfaction of the General Services-Facility Operations Supervisor or designated representative of the Missouri Department of Transportation and the Missouri Highway and Transportation Commission, for the stipulated sum of:

FOR THE WINONA TOWER: \$ _____

FOR THE ALTON TOWER: \$ _____

2. The undersigned, acknowledges having examined and being familiar with the contract documents including the drawings, the Instructions to Bidders, General Conditions, Supplementary Conditions and the body of technical specifications.
3. The undersigned acknowledges receipt of Addenda number _____ through _____ inclusive.
4. Enclosed with this bid is bid security in the amount of not less than 5% of the bidder's proposed Contract Sum, the amount being _____ DOLLARS (\$ _____).

IF AN INDIVIDUAL

Name of individual

Residence address

Social Security Number

Telephone Number

Firm Name, If Any

Address for communications

Signature

ALTON
RADIO TOWER SPECIFICATIONS

Demolish existing Winona radio tower and furnish and erect new radio tower.

1. Complete installation of one (1) 140' freestanding tower with waveguide ladder, safety climb device, and ice bridge in accordance with the TIA/EIA-222-G, the national standard'.
2. Demolish and dispose of existing 160 guyed tower that is on site.
Remove existing concrete 1' below grade and all other debris.
Preferred disposal: deliver to scrap recycling facility rather than dumping in a landfill.
3. Furnish and erect one (1) 140' freestanding tower with waveguide ladder, safety climb device, and ice bridge.
4. The footprint of the tower must fit the proposed site.
5. Ice-bridge to building with coax enclosure shall be constructed.
6. The galvanized steel constructed tower does not require primer and/or paint.
7. The National Electrical Code NEC standards and requirements shall be complied with in all instances. The Contractor shall complete the wiring and make proper connections at the electrical control panel in the building. The Contractor shall cooperate with the generator contractor in making these connections.
8. Antenna Tower Grounding Requirements. All connections shall be exothermically (cadwelded) connected. Tower and ice shield bridge grounding must meet all Motorola R-56 Standards.
9. The contractor supplied equipment shall be new and the manufacturer's latest current model. The supplier of these towers and equipment shall furnish evidence that he has been regularly engaged in the manufacturing of this equipment. All equipment, material, labor, and installation shall comply with or exceed F.A.A. and F.C.C. requirements.
10. Supply and install: two (2) each (DB224 or equivalent). One antenna shall be base mounted at the top of the tower and the second antenna shall be side mounted at 110 feet. The Missouri State Highway Patrol (MSHP) maintains 2 antenna systems on this tower. These antenna and coax will be removed and reinstalled by the MHSP or its representative. While these system will not be removed or replaced by the contractor these systems shall be taken into consideration when designing the load for this tower. See Section on Loading.

TOWER LOCATION: MoDOT, District 9, 5.7 MI W RTE P & .5 MI N
ALTON, MO OREGON County 36-41-49.2 N, 091-30-03.5 W

TYPES OF TOWER:

1. The tower shall be triangular in cross section. The tower shall also be of a rigid frame construction, consisting of solid or tubular vertical members.
2. Vertical members shall be braced with suitable horizontal and diagonal members of solid, tubular or angular cross section. Towers may be fabricated in sections of 10' or 20' (+/-) lengths.

PLANS, DRAWING, AND, STRESS CALCULATIONS: The contractor shall furnish complete drawings as called for in these specifications as follows:

1. Plans: The Contractor shall submit for approval, complete plans drawn to a legible scale from which he must install the tower foundations. The State shall furnish a plot plan for each and every location. The Contractor shall furnish large-scale details of each foundation which shall show dimensions, reinforcing, anchor bolts, etc. General drawings showing the type of construction and the size and weight of members for various heights of towers shall be submitted with the contractor's bids.
2. Shop Drawings: Shop drawing shall be submitted which must show overall dimensions, sections, size and relative location of each member, side and top mount antenna supports, ladder details, coaxial cable strap

ALTON
RADIO TOWER SPECIFICATIONS

details, location of aircraft warning lights, power wiring, conduit, and details of connections to towers, obstruction marking painting, detail of base plates and connection between tower sections, and any and all other necessary details as required.

3. Tower Analysis: Plans shall be supplemental with a stress analysis of the tower for design winds as specified later herein, showing design loads, shears, moments and axial forces resisted by all members and their connections. This analysis must be sealed by a Professional Engineer (PE)

LOADING:

1. Towers, antennas, antenna and coax mounting hardware shall be designed to withstand an indicated wind loading of 120 MPH with no ice and 95 MPH with ½ radial ice load. In addition the MSHP will be installing on this tower 1 UHF Yagi, DB436, at 95 feet with 7/8" coax and a 2 bay LVHF receive antenna, DB212, with the first bay at 140' and the second bay at 120' with both bays being fed by 7/8" coax. In addition to the contractor supplied antennas and coax and the needs of MSHP, the contractor shall design the tower to accommodate the future needs of one 3 foot flat panel antenna with 7/8" coax at 130 feet and an additional DB 224 with 7/8" coax at 100 feet. These additional antennas and coax are not to be installed at this time, but the tower has to be designed and built with these future needs in mind.
2. The total load specified above shall be applied to the structure in the directions which will cause the maximum stress in the various members.

ALLOWABLE UNIT STRESSES:

1. Structural Steel: All parts of the tower structure made of structural steel shall be designed in accordance which "Section C, Unit Stresses", E.I.A. Standard Code for Radio Transmitting antennas and Supporting Towers for Radio Transmitting antennas, RS-222, and the A.I.S.C. Specifications for design of structural steel.
2. The tower foundation shall be designed for the actual tower loading specified in this document and actual soil conditions. In no case shall tower foundations be less than 2' 0" x 2' 0" x 5' 0" in size with nominal 1' 0" above the ground line.
3. Other Materials: Allowable unit stresses for structural materials other than structural steel shall be subject to approval by the Engineer. For a particular material, the ultimate strength, yield strength, modulus of elasticity and proposed working stress shall be tabulated and submitted to the Engineer for approval.

MATERIALS:

1. Structural Steel: Structural steel shall conform to ASTM Standard Specifications for "Steel for Bridges and Buildings".
2. Concrete: All concrete shall have a minimum compressive strength at twenty-eight (28) days of 3000 pounds per square inch and shall have a maximum water cement ratio of 61/2 gallons per sack. All material shall conform to state requirements, as set forth in State Highway Commission Standard Specifications, 1959 Edition.
3. Reinforcing Steel: All reinforcing steel shall conform to TIA/EIA-222 standards for steel antenna towers and antenna supporting structures for all classes of communications service.
4. Bolts: Tower bolts, nuts, and anchor bolts shall conform to the ASTM Tentative Specification for "Galvanized Steel Transmission Tower Bolts".
5. Welding: All welding shall conform to the requirements of the specifications of the American Welding Society.

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RADIO TOWER SPECIFICATIONS

FINISH:

1. Shop Finish: Towers, Bolts, anchor rods, and other attachments and brackets made of iron or steel shall be furnished with a protective finish of zinc as specified below Galvanizing of structural steel shall be done after fabrication in accordance with the provisions of A.S.T.M. Serial Designation A123, "Zinc (Hot Galvanized). Coating on Products Fabricated from Rolled, Pressed and Forged Steel Shapes, Plates, Bar and Strips", as amended to date.

Galvanizing of steel hardware, other than tower bolts, shall conform to A.S.T.M. Serial Designation A153 as amended to date. Where applicable, the provisions of A.S.T.M. Serial Designation A385 and A386, as amended to date, shall be followed.

FABRICATION:

1. Workmanship: All workmanship shall be equal to the best practice in modern structural shops.
2. Straightening: All materials shall be straight and clean. If straightening or flattening is necessary, it shall be done by a process and in a manner that will not injure the material. Sharp kinks or bends shall be cause for rejection.
3. Welding: Parts to be fillet welded shall be brought in as close contact as practical. Welds of joints at contract surfaces shall be complete or 100% welds to avoid pockets which galvanizing material must not fill. The technique of welding employed, the appearance and quality of welds made, and the methods used in correcting defective work shall conform to the "Code of Arc and Gas Welding in Building Construction" of the American Welding Society, Section 4, Workmanship.

FOUNDATIONS:

1. Standard Foundations: Shall be designed for a soil bearing pressure of 3000 pounds per square foot under the specified loading. In uplift, the tower foundations shall be designed to resist 100% more than the specified uplift loading.
2. In no case shall the tower foundations be less than 2' -0" x 2' -0" x 5' -0" in size, with approximately 1' -0" above the ground line.
3. Excavation, Grading, Etc: The work covered by this section includes the furnishing of forms, all material, labor and equipment and the performing of all operations in connection with the installation of tower base foundations. All trees, vegetation, roots brush, grass sod, decayed matter, rubbish, etc. shall be removed from the area and disposed of by the Tower Contractor All excavation waste shall be disposed of by the Tower Contractor as directed by the Engineer. The Contractor shall submit the drawings and the design calculations for the tower foundations for Engineer.

ANTENNAS: The contractor shall furnish all antennas, side arms brackets, coaxial transmission lines, clamps, fittings, and all other necessary accessories. It shall be the responsibility of the radio equipment contractor to assemble the above and to also furnish a detailed equipment list for each location and instructions for proper installation by the tower contractor. However, it shall be the duty and responsibility of the tower contractor to properly install all antennas, coaxial cable and etc. as called for in these specifications and as shown on the plans. All transmission lines connectors shall be completely covered with a heavy coat of liquid neoprene upon installation. It shall also be the responsibility of the tower contractor to assist the radio contractor in testing the transmission lines and antennas. Any shorts, and etc. discovered in the transmission lines, antennas or accessories shall be corrected by the tower company, in conjunction with the radio technician.

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RADIO TOWER SPECIFICATIONS

SUPPLY AND INSTALL ANTENNAS:

1. All transmission feed lines shall be Andrew Heliax® 7/8" rigid coax which must be connected with Andrew® end connectors (Part # LDF5-50) designed for LDF series cable. There shall be no substitute for the Andrew® brand feed line and connectors.
2. It shall be the responsibility of the tower contractor to route the transmission line through the proper conduit from the tower to inside the building, leaving a sufficient extra length coiled in a neat package to make the necessary connections to the transmitter. The tower contractor is not required to make the final connections to the transmitter; this shall be the responsibility of the radio contractor.

PROTECTIVE GROUNDING:

1. All towers shall be effectively grounded. Exact arrangement shall be as conditions require in accordance with Motorola R56 ground ring around the tower and dictates how the site grounding is to be installed.
2. Since connection of copper to steel will produce a cathodic reaction in the presence of moisture, such connections shall be painted using an electrically conducting, corrosion-resistant paint such as "Galvanox", manufactured by Subox, Inc. or approved equal. Any and all equipment mounted on a tower mast shall be so fastened that it is effectively grounded. On structures provided with obstruction lights, the power service to the obstruction lights shall be protected with lightning arrestors. Where power to tower lights is run underground, lightning protection shall be provided where electric service enters building.

CONDUIT: Rigid metallic conduit shall be furnished and installed as shown on the plans for the tower base and in accordance with the rules of the National Electrical Code. The tower contractor is to make final connections of conduit between the tower base and house foundation. Conduit shall be of the size as shown on the plans.

FENCING: The contractor shall furnish and erect galvanized steel fencing: Minimum 6' chain link with a minimum of 2-strands of barbed wire topping; Fenced area shall allow for an 8' clearance from the base of the tower; 12' gate entrance with two 6' gate sections; and fenced area must have weed barrier and 4 inches of crushed limestone. MoDOT Fence Specification Section 02830 shall be used to evaluate and accept or reject proposals.

WORKING TIMES: A total of 60 calendar days shall be allowed for completion of the contract. Time shall start as of the date of notification by the Department.

EXTRA WORK: Claims for extra work not authorized in writing by the Department of Transportation or its representatives, prior to the performance of work, shall be rejected.

TEMPORARY LIGHTING: The contractor shall provide at his own expense all current for temporary lighting that may be required during the construction and completion of the work.

CLEANING: Contractors shall not allow waste material or rubbish, caused by their employees, to accumulate in or about the premises, but shall promptly remove same. At the completion of the work, they shall remove any rubbish and all tools, and surplus materials provided for operations from and about the premises and shall leave all work clean and ready for use.

LAYING OUT OF THE WORK: The contractor shall carefully lay out his own work on the premises except as otherwise provided and make proper provision for the work of other contractors. The contractor who will be responsible for its correctness shall lay out all work of every description. Before ordering any material or doing any work, each contractor shall verify all measurements.

SHED AND STORAGE: The contractor shall provide maintain and remove at completion of work, suitable, substantial, water-tight storage sheds upon the premises where directed, in which he shall store all material which would be damaged by water or weather. Contractors shall confine the storage materials and equipment and the operation of their workmen to the limits provided by law, ordinance, permits or as directed by the Engineer.

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RADIO TOWER SPECIFICATIONS

COORDINATION OF WORK: Proper coordination between contractor installing the radio towers and other contractors shall be maintain so that and overall proper functioning layout shall be accomplished. In case the work required interferes with other contractors, the tower contractor may make a request 72 hours in advance to the engineer so that proper coordination accomplished.

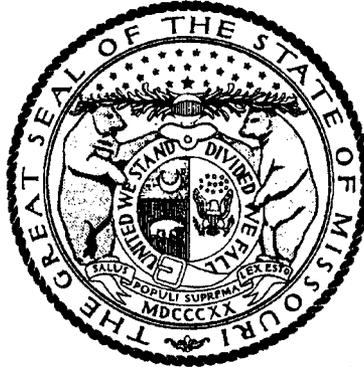
ACCEPTANCE: During installation and at the time all components of this tower is installed by the contractor, it shall be subject to inspection by the Engineer or his authorized representative. Before acceptance of the installation, site cleanup shall be affected by removal of excess or scrap material, packing, crating or other refuse. Excavation waste from tower foundation shall be disposed of as directed by the Engineer.

WARRANTY:

1. All towers in their entirety shall be guaranteed for a period of one (1) year against defective materials, design, and workmanship, and if a failure of any portion of any part occurs during the first year due to above causes, the defective portions or parts plus any damage caused by the failure of such defective part shall be replaced promptly upon notice by the Department, by and at the expense of the Contractor.
2. MoDOT shall be responsible for providing a soil analysis of the tower site.
3. The new tower that was erected at the District 3 Office, Highway 61, Hannibal, Mo. should be used as an example of the MoDOT requirement described herein.

Missouri Division of Labor Standards

WAGE AND HOUR SECTION



JEREMIAH W. (JAY) NIXON, Governor

Annual Wage Order No. 17

Section 075

OREGON COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by

Carla Buschjost, Director
Division of Labor Standards

This Is A True And Accurate Copy Which Was Filed With The Secretary of State: **March 10, 2010**

Last Date Objections May Be Filed: **April 9, 2010**

Prepared by Missouri Department of Labor and Industrial Relations

Building Construction Rates for
OREGON County

Section 075

OCCUPATIONAL TITLE	**Effective Date of Increase	*	Basic Hourly Rates	Over-Time Schedule	Holiday Schedule	Total Fringe Benefits
Asbestos Worker			\$23.72	56	28	\$10.50
Boilermaker			\$32.30	57	7	\$20.01
Bricklayers-Stone Mason			\$25.92	24	74	\$14.38
Carpenter			\$21.63	62	43	\$11.44
Cement Mason			\$19.45	81	7	\$14.70
Electrician (Inside Wireman)			\$23.93	21	48	\$11.17 + 10%
Communication Technician			USE ELECTRICIAN (INSIDE WIREMAN) RATE			
Elevator Constructor		a	\$40.945	26	54	\$21.505
Operating Engineer						
Group I			\$25.92	86	66	\$18.37
Group II			\$25.92	86	66	\$18.37
Group III			\$24.67	86	66	\$18.37
Group III-A			\$25.92	86	66	\$18.37
Group IV			\$23.69	86	66	\$18.37
Group V			\$26.62	86	66	\$18.37
Pipe Fitter		b	\$34.00	91	69	\$21.43
Glazier			\$21.55	36	52	\$4.35
Laborer (Building):						
General			\$21.86	110	80	\$9.19
First Semi-Skilled			\$23.76	110	80	\$9.19
Second Semi-Skilled			\$22.76	110	80	\$9.19
Lather			\$21.63	62	43	\$11.44
Linoleum Layer & Cutter			\$21.63	62	43	\$11.44
Marble Mason			\$20.62	124	74	\$12.03
Millwright			\$21.63	62	43	\$11.44
Iron Worker			\$26.41	11	8	\$17.80
Painter			\$19.23	106	62	\$10.00
Plasterer			\$20.40	121	20	\$8.90
Plumber		b	\$34.00	91	69	\$21.43
Pile Driver			\$21.63	62	43	\$11.44
Roofer			\$19.25	15	73	\$8.87
Sheet Metal Worker			\$25.91	4	24	\$12.64
Sprinkler Fitter			\$30.84	33	19	\$15.80
Terrazzo Worker			\$27.48	124	74	\$13.60
Tile Setter			\$20.62	124	74	\$12.03
Truck Driver-Teamster						
Group I		c	\$25.535	35	36	\$8.65
Group II		c	\$25.695	35	36	\$8.65
Group III		c	\$25.685	35	36	\$8.65
Group IV		c	\$25.805	35	36	\$8.65
Traffic Control Service Driver			\$25.685	22	55	\$9.045
Welders-Acetylene & Electric		*				

Fringe Benefit Percentage is of the Basic Hourly Rate

Attention Workers: If you are not being paid the appropriate wage rate and fringe benefits contact the Division of Labor Standards at (573) 751-3403.

**OREGON COUNTY
OVERTIME SCHEDULE - BUILDING CONSTRUCTION**

FED: Minimum requirement per Fair Labor Standards Act means time and one-half (1 ½) shall be paid for all work in excess of forty (40) hours per work week.

NO. 4: Means the regular working day shall consist of eight (8) hours labor on the job between six (6) a.m. and six-thirty (6:30) p.m. and the regular working week shall consist of five (5) consecutive eight (8) hour days beginning with Monday and ending with Friday of each week. All full time or part time labor performed during such hours shall be recognized as regular working hours and paid for at the regular hourly rate. All work performed outside the regular working hours and performed during the regular work week and Saturday work, shall be paid at one & one-half (1½) times the regular rate. All recognized holidays or days locally observed as such, and Sundays shall be paid at the double (2) time rate of pay. Also, there may be a 40-hour work week which would consist of ten (10) hours each day for Monday, Tuesday, Wednesday, Thursday or Friday.

NO. 11: Means eight (8) hours shall constitute a day's work, with the starting time to be established between 6:00 a.m. and 8:00 a.m. from Monday to Friday. Time and one-half (1½) shall be paid for first two (2) hours of overtime Monday through Friday and the first eight (8) hours on Saturday. All other overtime hours Monday through Saturday shall be paid at double (2) time rate. Double (2) time shall be paid for all time on Sunday and recognized holidays or the days observed in lieu of these holidays.

NO. 15: Means the regular working day shall be scheduled to consist of at least eight (8) hours, but no more than ten (10) consecutive hours, exclusive of the lunch period. The regular working day may be scheduled to commence at any time between the hours of 5:00 a.m. and 10:00 a.m. All work performed in excess of forty (40) hours in one work week, or in excess of ten (10) hours in one work day shall be paid at the rate of one and one-half (1½) times the regular hourly wage scale. Any work performed on a Saturday shall be paid for at the rate of one and one-half (1½) times the regular hourly wage scale unless such Saturday work falls under the category of Saturday Make-Up Day. Any work performed by Employees anywhere on Sunday or recognized holidays, shall be paid for at the rate of double (2) time the regular wage scale. If, during the course of a work week, an Employee is unable to work for any reason, and, as a result, that Employee has not accumulated forty (40) hours of compensable time at the straight time rate, the Employer, at his option may offer the Employee the opportunity to work on Saturday at straight time; provided, however, if during the period worked by said Employee on Saturday, the Employee's compensable time at the straight time rate exceeds forty (40) hours, all time worked in excess of the forty (40) hours will be paid at the rate of one and one-half (1½) times the regular hourly wage scale.

NO. 21: Means eight (8) hours of work between the hours of 8:00 a.m. and 4:30 p.m. shall constitute a work day. Forty (40) hours within five (5) days, Monday through Friday, shall constitute a work week. The regular starting time of a job may be moved not more than two (2) hours prior to 8:00 a.m. However, in no case shall more than eight (8) hours be worked per day without the applicable overtime rate being paid. When job conditions dictate, the Employer shall be allowed to establish a four (4) day, ten (10) hours per day work week. This work week is defined as Monday through Thursday or Tuesday through Friday. All hours worked in excess of ten (10) hours per day or forty (40) hours per week shall be paid at the applicable overtime rate. This language is not intended to change the normal five (5) day, eight (8) hour per day work week. All overtime work performed after the regularly scheduled working hours Monday through Friday and Saturday shall be paid for at time and one-half (1½) the regular straight time rate of pay. Sundays and recognized holidays shall be paid for at two (2) times the straight time rate of pay. Shift work performed between the hours of 4:30 p.m. and 1:00 a.m. (second shift) shall receive eight (8) hours pay at the regular hourly rate of pay plus 17.3% for all hours worked. Shift work performed between the hours of 12:30 a.m. and 9:00 a.m. (third shift) shall receive eight (8) hours pay at the regular hourly rate of pay plus 31.4% for all hours worked. An unpaid lunch period of thirty (30) minutes shall be allowed on each shift. All overtime work required before the established start time and after the completion of eight (8) hours of any shift shall be paid at one and one-half (1½) times the shift hourly rate.

NO. 22: Means a regular work week of forty (40) hours will start on Monday and end on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof may be worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A workday is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time may be advanced or delayed if mutually agreed to by the interest parties. For all time worked on recognized holidays, or days observed as such, double (2) time shall be paid.

**OREGON COUNTY
OVERTIME SCHEDULE - BUILDING CONSTRUCTION**

NO. 24: Means eight (8) hours shall constitute a day's work on all classes of work between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. The pay for time worked during these hours shall be at the regular wage rate. The regular workweek shall be Monday through Friday. A workweek of four (4), ten (10) hour days may be established on a per job basis. Saturday may be used for a make-up day, when working 5-8's, Friday when working 4-10's. All time worked before and after the established workday of eight (8) hours, Monday through Friday, and all time worked on Saturday shall be paid for at the rate of time and one-half (1½) except after eight (8) hours worked, then double (2) time will apply. All time worked on Sundays and the recognized holidays shall be paid at the rate of double (2) time.

NO. 26: Means that the regular working day shall consist of eight (8) hours worked between 6:00 a.m., and 5:00 p.m., five (5) days per week, Monday to Friday, inclusive. Hours of work at each jobsite shall be those established by the general contractor and worked by the majority of trades. (The above working hours may be changed by mutual agreement). Work performed on Construction Work on Saturdays, Sundays and before and after the regular working day on Monday to Friday, inclusive, shall be classified as overtime, and paid for at double (2) the rate of single time. The employer may establish hours worked on a jobsite for a four (4) ten (10) hour day work week at straight time pay for construction work; the regular working day shall consist of ten (10) hours worked consecutively, between 6:00 a.m. and 6:00 p.m., four (4) days per week, Monday to Thursday, inclusive. Any work performed on Friday, Saturday, Sunday and holidays, and before and after the regular working day on Monday to Thursday where a four (4) ten (10) hour day workweek has been established, will be paid at two times (2) the single time rate of pay. The rate of pay for all work performed on holidays shall be at two times (2) the single time rate of pay.

NO. 33: Means the standard work day and week shall be eight (8) consecutive hours of work between the hours of 6:00 a.m. and 6:00 p.m., excluding the lunch period Monday through Friday, or shall conform to the practice on the job site. Four (4) days at ten (10) hours a day may be worked at straight time, Monday through Friday and need not be consecutive. All overtime, except for Sundays and holidays shall be at the rate of time and one-half (1½). Overtime worked on Sundays and holidays shall be at double (2) time.

NO. 35: Means a regular work week of forty (40) hours, will start on Monday and end on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof maybe worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A work day is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time maybe advanced or delayed if mutually agreed to by the interested parties. For all time worked on recognized holidays, or days observed as such, double (2) time shall be paid.

NO. 36: Means eight (8) hours shall constitute a work day, Monday through Friday between the hours of 6:00 a.m. and 6:00 p.m. Saturday can be used as a makeup day if time is lost due to weather. All hours in excess of the regular forty (40) hour work week or eight (8) hours per day shall be considered overtime and shall be paid for at the rate of one and one-half (1½) times the regular rate. Employees will be paid at the rate of one and one-half (1½) times their regular rate for work performed on Saturdays. Sundays and holidays worked are to be paid at double (2) the regular hourly rate. Four (4) ten-hour days, at the option of the Employer, shall be the standard work week, consisting of a consecutive ten-hour period, Monday through Thursday or Tuesday through Friday, between the hours of 6:00 a.m. and 6:00 p.m. Forty (40) hours per week shall constitute a week's work.

NO. 50: Means eight (8) hours constitute a normal day's work Monday through Friday. Any time worked over eight (8) hours will normally be paid at time and one-half (1½) except for exclusions stated in some following additional sentences. The Employer, at his discretion, may start the work day between 6:00 a.m. and 9:00 a.m. Any schedule chosen shall be started at the beginning of the work week (Monday) and used for at least five days. Work may be scheduled on a four (4) days a week (Monday through Thursday) at ten (10) hours a day schedule. If such a schedule is employed, then Friday may be used as a make-up day when time is lost due to inclement weather. Time and one-half (1½) shall be paid for any work in excess of eight (8) hours in any regular work day Monday through Friday unless working 4-10's, then time and one-half (1½) after ten (10) hours. All work performed on Saturday will be time and one-half (1½). Double (2) time shall be paid for all work on Sundays and recognized holidays.

**OREGON COUNTY
OVERTIME SCHEDULE - BUILDING CONSTRUCTION**

NO 56: Means the regular work day shall consist of eight (8) hours between 8:00 a.m. and 4:30 p.m. An optional four day work week may be utilized with the ten (10) hour clause, days Monday through Thursday or Tuesday through Friday. Work hours shall be from 7:00 a.m. to 5:30 p.m. any work performed on Monday or Friday outside the regular scheduled four (4) days shall be at one and one half (1 ½) the regular rate of pay. Work performed outside of the regular work day, and on Saturdays shall be paid at one and one half (1 ½) the regular rate of pay. Sundays and holidays shall be paid at double (2) time the regular rate of pay.

NO. 57: Means eight (8) hours per day shall constitute a day's work and forty (40) hours per week, Monday through Friday, shall constitute a week's work. The regular starting time shall be 8:00 a.m. The above may be changed by mutual consent of authorized personnel. When circumstances warrant, the Employer may change the regular workweek to four (4) ten-hour days at the regular time rate of pay. It being understood that all other pertinent information must be adjusted accordingly. All time worked before and after the established workday of eight (8) hours, Monday through Friday, all time worked on Saturday, shall be paid at the rate of time and one-half (1½) except in cases where work is part of an employee's regular Friday shift. All time worked on Sunday and recognized holidays shall be paid at the double (2) time rate of pay.

NO. 62: Means eight (8) hours shall constitute a working day between 7:00 a.m. to 3:30 p.m. or from 8:00 a.m. to 4:30 p.m. exclusive of a one-half (½) hour lunch break. Monday through Friday shall constitute the regular work week. Starting and quitting time may be moved up or set back where conditions warrant; however, a notification for each project must be made prior to working 4-10's. All time over the regular work day as defined and all hours worked on Saturday shall be paid at the rate of one & one-half (1½) the regular rate of wages. If a job can't work forty (40) hours Monday through Friday because of inclement weather, Friday (if working 4-10's) or Saturday (if working 5-8's), may be worked as a make-up day at straight time. In the event that Friday (if working 4-10's) or Saturday (if working 5-8's) is utilized as a workday, any employee that has been absent from work during the week shall be paid the straight time rate until such time that the employee has earned forty (40) hours of straight time pay. If any employee is required to work recognized holidays or days observed as such, or on Sunday, they shall receive double (2) the regular rate of pay for such work.

NO. 81: Means a workday of eight (8) hours, beginning at 8:00 a.m., Monday through Friday shall constitute a forty (40) hour work week. All time over the eight (8) hour day as above defined and all hours worked on Saturday shall be paid at the rate of one and one-half (1½) the regular rate of wages. If workmen are required to work the recognized holidays or days observed as such, or on Sunday, they shall receive double (2) the regular rate of pay for such work.

NO. 86: Means the regular work week shall consist of five (5) days, Monday through Friday, beginning at 8:00 a.m. and ending at 4:30 p.m. The regular work day beginning time may be advanced one or two hours or delayed by one hour. However, the Employer may have the option to schedule his work week from Monday through Thursday at ten (10) hours per day at the straight time rate of pay with all hours in excess of ten (10) hours in any one day to be at the applicable overtime rate. If the Employer elects to work from Monday through Thursday and is stopped due to circumstances beyond his control, inclement weather or holiday, he shall have the option to work Friday at the straight time rate of pay to complete his forty (40) hours. If an employee declines to work Friday as a make-up day, he shall not be penalized. All overtime work performed on Monday through Saturday shall be paid at time and one-half (1½) of the hourly rate plus an amount equal to one-half (½) of the hourly Total Indicated Fringe Benefits. All work performed on Sundays and recognized holidays shall be paid at double (2) the hourly rate plus an amount equal to the hourly Total Indicated Fringe Benefits.

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OVERTIME SCHEDULE - BUILDING CONSTRUCTION**

NO. 91: Means eight (8) hours shall constitute a day's work commencing at 8:00 a.m. and ending at 4:30 p.m., allowing one-half (½) hour for lunch. The option exists for the Employer to use a flexible starting time between the hours of 6:00 a.m. and 9:00 a.m. The regular workweek shall consist of forty (40) hours of five (5) workdays, Monday through Friday. The workweek may consist of four (4) ten (10) hour days from Monday through Thursday, with Friday as a make-up day. If the make-up day is a holiday, the employee shall be paid at the double (2) time rate. The employees shall be paid time and one-half (1½) for work performed **on Saturdays**, before the regular starting time or after the regular quitting time or over eight (8) hours per work day (unless working a 10-hour work day, then time and one-half (1½) is paid for work performed over ten (10) hours a day) or over forty (40) hours per work week. Work performed on Sundays and recognized holidays shall be paid at the double (2) time rate of pay. **SHIFT WORK:** When it is necessary for the project to operate in shifts, there will be three (3) eight (8) hour shifts commencing at 8:00 a.m. Shift work must continue for a period of not less than three (3) consecutive work days, two (2) days which must be regular work days (Monday through Friday). In the event the second or third shift of any regular work day shall fall into a Saturday or a holiday, such extension into a Saturday or holiday shall be considered as part of the previous workday and employees shall be paid at the regular shift rate. The first day shift shall work a regular eight (8) hour day at regular rates. The second shift shall be eight (8) hours regular time pay plus \$2.00 per hour premium for seven and one-half (7½) hours work. Third shift will be for eight (8) hours regular time pay plus \$2.50 per hour premium for seven (7) hour work.

NO. 106: Means the normal work week shall consist of five (5) eight (8) hour days for a total of forty (40) hours, starting on Monday at 8:00 a.m. and ending on Friday at 4:30 p.m. The starting time can be flexible between 6:00 a.m. and 8:00 a.m., and ending at 2:30 p.m. or 4:30 p.m. respectively. All work before the designated starting time and after the quitting time shall be paid for at the rate of time and one-half (1½). An overtime rate of time and one-half (1½) the base hourly rate shall be paid on all hours in excess of eight (8) hours in a day Monday through Friday. Any work started after 12:00 midnight Sunday, will be classified as time and one-half (1½) up to the legal starting time on Monday. Saturdays, Sundays and Holidays shall be paid for in the rate of double (2) time the prevailing scale.

NO. 110: Means eight (8) hours between the hours of 8:00 a.m. and 4:30 p.m. shall constitute a work day. The starting time may be advanced one (1) or two (2) hours. Employees shall have a lunch period of thirty (30) minutes. The Employer may provide a lunch period of one (1) hour, and in that event, the workday shall commence at 8:00 a.m. and end at 5:00 p.m. The workweek shall commence at 8:00 a.m. on Monday and shall end at 4:30 p.m. on Friday (or 5:00 p.m. on Friday if the Employer grants a lunch period of one (1) hour), or as adjusted by starting time change as stated above. All work performed before 8:00 a.m. and after 4:30 p.m. (or 5:00 p.m. where one (1) hour lunch is granted for lunch) or as adjusted by starting time change as stated above or on Saturday, except as herein provided, shall be compensated at one and one-half (1½) times the regular hourly rate of pay for the work performed. All work performed on Sunday and on recognized holidays shall be compensated at double (2) the regular hourly rate of pay for the work performed. When working a five 8-hour day schedule and an Employer is prevented from working forty (40) hours, Monday through Friday, or any part thereof by reason of inclement weather (rain or mud), Saturday or any part thereof may be worked as a make-up day at the straight time rate. The Employer shall have the option of working five eight (8) hour days or four ten (10) hour days Monday through Friday. If an Employer elects to work five (5) eight (8) hour days during any work week, hours worked more than eight (8) per day or forty (40) hours per week shall be paid at time and one-half (1½) the hourly rate Monday through Friday. If an Employer elects to work four (4) ten (10) hour days in any week, work performed more than ten (10) hours per day or forty (40) hours per week shall be paid at time and one-half (1½) the hourly rate Monday through Friday. If an Employer is working ten (10) hour days and loses a day due to inclement weather, they may work ten (10) hours Friday at straight time. All hours worked over the forty (40) hours Monday through Friday will be paid at time and one-half (1½) overtime rate. Overtime shall be computed at half-hour intervals. **Shift work:** Where it is necessary for the project to operate in shifts, a twenty-four (24) hour or sixteen (16) hour daily schedule shall be established for not less than three (3) consecutive days at the wage rates applicable to the work being performed. One-half (1/2) hour in eight (8) hour shift shall be allowed for lunch for which there will be no deduction in the pay of the employee. Employees on the second shift shall be paid twenty-five cents (\$.25) per hour more and employees on the third shift fifty cents (\$.50) per hour more than those on the first shift. Overtime shall be computed after shift differential is added to base pay.

**OREGON COUNTY
OVERTIME SCHEDULE - BUILDING CONSTRUCTION**

NO. 121: Means the regular work day shall be either eight (8) or ten (10) hours. The regular work week shall start on Monday and end on Friday, except where the Employer elects to work Monday through Thursday, ten (10) hours per day. All work over eight (8) hours per day (if working five eight hour days) and ten (10) hours per day (if working four ten hours days) and over forty (40) hours per week shall be paid at time and one-half (1½) the regular rate of pay. If a job cannot work forty (40) hours Monday through Friday because of inclement weather or other conditions beyond the control of the Employer, Friday or Saturday may be worked as a make-up day at straight time (if working four ten hour days). Saturday may be worked as a make-up day at straight time (if working five eight hour days). Make-up days shall not be utilized for days lost because of Holidays. All work performed on Sundays and Holidays shall be paid for at two (2) times the regular straight time rate of pay.

NO. 124: Means eight (8) hours shall constitute a day's work on all classes of work between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. The pay for time worked during these hours shall be at the regular wage rate. The regular workweek shall be Monday through Friday. Employment from 4:30 p.m. to 12:00 midnight, Monday through Friday, shall be paid for at one and one-half (1½) times the regular hourly rate. From 12:00 midnight until 8:00 a.m. on any day shall be paid for at twice the regular hourly rate. All time worked on Sundays and the recognized holidays shall be paid at the rate of double (2) time. It is understood that forty (40) hours shall constitute a regular workweek, (5-8's) Sunday Midnight through Friday Midnight, understanding anything over eight (8) hours is one and one-half (1½) times the hourly wage rate.

**OREGON COUNTY
HOLIDAY SCHEDULE – BUILDING CONSTRUCTION**

NO. 4: All work done on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas Day shall be paid at the double time rate of pay. If any of the above holidays fall on Sunday, Monday will be observed as the recognized holiday. If any of the above holidays fall on Saturday, Friday will be observed as the recognized holiday.

NO. 7: The following days are assigned days and are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. If a holiday falls on a Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This is applied to protect Labor Day. When a holiday falls during the normal workweek, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week. However, no reimbursement for these eight (8) hours is too paid to the workman unless worked. If workman are required to work the above enumerated holidays or days observed as such, or on Sunday, they shall receive double (2) the regular rate of pay for such work.

NO. 8: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day, or the days observed in lieu of these holidays, shall be paid at the double time rate of pay.

NO. 19: All work done on New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, and Christmas Day shall be paid at the double time rate of pay. The employee may take off Friday following Thanksgiving Day. However, the employee shall notify his or her Foreman, General Foreman or Superintendent on the Wednesday preceding Thanksgiving Day. When one of the above holidays falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double (2) time rate. When one of the holidays falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double (2) time rate.

NO. 20: The following days or assigned days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day (to be observed November 11), Thanksgiving Day, and Christmas Day. If a holiday falls on Sunday, it shall be observed on the following Monday. If a holiday falls on Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week. However, no reimbursement for these eight (8) hours is to be paid the workman unless worked. If workmen are required to work the above enumerated holidays or days observed as such, or on Sunday, they shall receive the double regular rate of pay for such work.

NO. 24: All work done on Christmas Day, Thanksgiving Day, New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Presidential Election Day or days locally observed as such, and Sunday shall be recognized as holidays and paid at the double time rate of pay.

NO. 28: All work done on New Year's Day, Veteran's Day, Memorial Day, Independence Day, Thanksgiving Day and Christmas Day shall be paid at the double time rate of pay. No work shall be performed on Labor Day except when triple (3) time is paid. When a holiday falls on Sunday, the following Monday shall be observed as the holiday.

NO. 36: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workman unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make-up day when an observed holiday occurs during the work week. Employees have the option to work that make-up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

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HOLIDAY SCHEDULE – BUILDING CONSTRUCTION**

NO. 43: All of the following days or assigned days are recognized as holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Veteran's Day (November 11th), Thanksgiving Day, and Christmas Day. If a holiday falls on Sunday, it shall be observed on the following Monday. If a holiday falls on Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week. However, no reimbursement for these eight (8) hours is to be paid the employee unless worked. If the employee is required to work the above enumerated holidays or days observed as such, or on Sunday, they shall receive double (2) the regular rate of pay for such work.

NO. 48: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day shall be paid for at double (2) the straight-time rate of pay. Any one of the above-listed holidays falling on Sunday shall be observed on the following Monday and paid for at double (2) the straight-time rate of pay. Any of the above holidays falling on Saturday shall be observed on the previous Friday and paid at double (2) the straight-time rate of pay. Employees working on the Saturday will receive the standard pay for Saturday work.

NO. 52: All work performed on Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall receive the double (2) time rate of pay.

NO. 54: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day shall be paid at the double (2) time rate of pay. When a holiday falls on Saturday, it shall be observed on Friday. When a holiday falls on Sunday, it shall be observed on Monday.

NO. 55: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workmen unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make up day when an observed holiday occurs during the work week. Employees have the option to work that make up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 62: All work performed on holidays shall be considered overtime and work performed on these days shall be paid at double (2) time rate of pay. The holidays of understanding are: New Years' Day, Decoration Day, Independence Day, Veteran's Day, Thanksgiving Day and Christmas Day. Should any of these holidays fall on Saturday the Friday before shall be observed as the holiday. Should any of these days fall on Sunday, then the following Monday shall be observed as the holiday. Under no circumstance shall employees be permitted to work on Labor Day (the first Monday in September).

NO. 66: All work performed on Sundays and the following recognized holidays, or the days observed as such, of New Year's Day, Decoration Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day, shall be paid at double (2) the hourly rate plus an amount equal to the hourly Total Indicated Fringe Benefits. Whenever any such holidays fall on a Sunday, the following Monday shall be observed as a holiday.

NO. 69: All work performed on New Year's Day, Decoration Day, July Fourth, Labor Day, Veteran's Day, Thanksgiving Day or Christmas Day shall be compensated at double (2) their straight-time hourly rate of pay. Friday after Thanksgiving and the day before Christmas will also be holidays, but if the employer chooses to work these days, the employee will be paid at straight-time rate of pay. If a holiday falls on a Sunday in a particular year, the holiday will be observed on the following Monday.

**OREGON COUNTY
HOLIDAY SCHEDULE – BUILDING CONSTRUCTION**

NO. 73: The following days are recognized as holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day (or mutually agreed date of the Friday after Thanksgiving Day may be substituted for Veteran's Day), Thanksgiving Day and Christmas Day, or in the event that any of said Holidays falls on Sunday, then the day or days generally recognized as such. Any work performed anywhere on any of the aforesaid Holidays, or on the day or days recognized and observed as such, shall be paid for at double (2) time the regular hourly rate.

NO. 74: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day, shall be paid at double (2) time of the hourly rate of pay. In the event one of the above holiday's falls on Saturday, the holiday shall be celebrated on Saturday. If the holiday falls on Sunday, the holiday will be celebrated on Monday.

NO. 80: The following days shall be recognized as Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. In the event that any of these Holidays fall on a Saturday, the preceding Friday shall be observed; if on a Sunday, the following Monday shall be observed. No work shall be performed on these days except in emergency to protect life or property. All work performed on these holidays shall be compensated at double the regular hourly rate for the work performed. Overtime shall be computed at half hour intervals.

Heavy Construction Rates for
OREGON County

Section 075

OCCUPATIONAL TITLE	*Effective Date of Increase	Basic Hourly Rates	Over-Time Schedule	Holiday Schedule	Total Fringe Benefits
CARPENTER					
Journeymen		\$26.95	23	16	\$11.57
Millwright		\$26.95	23	16	\$11.57
Pile Driver Worker		\$26.95	23	16	\$11.57
OPERATING ENGINEER					
Group I		\$25.00	21	5	\$18.28
Group II		\$24.65	21	5	\$18.28
Group III		\$24.45	21	5	\$18.28
Group IV		\$20.80	21	5	\$18.28
Oiler-Driver		\$20.80	21	5	\$18.28
LABORER					
General Laborer		\$24.56	2	4	\$9.29
Skilled Laborer		\$25.16	2	4	\$9.29
TRUCK DRIVER-TEAMSTER					
Group I		\$25.535	25	21	\$8.65
Group II		\$25.695	25	21	\$8.65
Group III		\$25.685	25	21	\$8.65
Group IV		\$25.805	25	21	\$8.65

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate sheet.

**REPLACEMENT PAGE
OREGON COUNTY
OVERTIME SCHEDULE – HEAVY CONSTRUCTION**

FED: Minimum requirement per Fair Labor Standards Act means time and one-half (1 ½) shall be paid for all work in excess of forty (40) hours per work week.

NO. 2: Means a regular workweek shall be forty (40) hours and will start on Monday and end on Friday. The Employer shall have the option of working five 8-hour days or four 10-hour days Monday through Friday. If an Employer elects to work five 8-hour days during any workweek, hours worked more than eight (8) per day or 40 per week shall be paid at time and one-half the hourly rate Monday through Friday. If an Employer elects to work four 10-hour days in a week, work performed more than ten (10) hours per day or 40 hours per week shall be paid at time and one-half the hourly rate Monday through Friday. When working a five 8-hour day schedule and an Employer is prevented from working forty (40) hours Monday through Friday, or any part thereof, by reason of inclement weather, Saturday or any part thereof may be worked as a make-up day at the straight time rate. If an Employer is working a four 10-hour day schedule and loses a day due to inclement weather, he may work 10 hours Friday at straight time. All hours worked over the 40 hours Monday through Friday will be paid at 1 ½ overtime rate. A workday shift is to begin at the option of the Employer, between 6:00 a.m. and not later than 9:00 a.m. However, the project starting time may be advanced or delayed if required. If workmen are required to work the enumerated holidays or days observed as such or Sundays, they shall receive double (2) the regular rate of pay for such work. Overtime shall be computed at one-half (1/2) hour intervals. Shift: The Contractor may elect to work one, two or three shifts on any work. When operating on more than one shift, the shifts shall be known as the day shift, swing shift, and graveyard shift as such terms are recognized in the industry. When two shifts are worked on any operation, the shifts will consist of eight (8) or ten (10) hours exclusive of lunchtime. When three shifts are worked the first day or day shift will consist of eight (8) hours exclusive of lunchtime. The second or swing shift shall consist of seven and one-half (7 1/2) hours work for eight hours pay, exclusive of lunchtime, and the third or the graveyard shift shall consist of seven (7) hours work for eight (8) hours pay, exclusive of the lunchtime. All time in excess of normal shifts shall be considered overtime. Multiple shift (the two or three shift) operation will not be construed on the entire project if at anytime it is deemed advisable and necessary for the Employer to multiple shift a specific operation. However, no shift shall be started between midnight and six a.m. except the graveyard shift on a three-shift operation, or except in an unusual or emergency situation. If an Employer starts a shift between midnight and 6 a.m. except the graveyard shift on a three-shift operation, he shall reimburse all employees for the entire shift at the double time rate. Completion of the second shift on a two-shift operation or completion of the graveyard shift on a three-shift operation that carries over into Saturday morning, shall be at the straight time rate. Overtime shall be computed at ½ hour intervals.

NO. 21: Means the regular workday for which employees shall be compensated at straight time hourly rate of pay shall, unless otherwise provided for, begin at 8:00 a.m. and end at 4:30 p.m. However, the project starting time may be advanced or delayed at the discretion of the Employer. At the discretion of the Employer, when working a five (5) day eight (8) hour schedule, Saturday may be used for a make-up day. If an Employer is prohibited from working on a holiday, that employer may work the following Saturday at the straight time rate. However, the Employer may have the option to schedule his work from Monday through Thursday at ten (10) hours per day at the straight time rate of pay with all hours in excess of ten (10) hours in any one day to be paid at the applicable overtime rate. If the Employer elects to work from Monday through Thursday and is stopped due to circumstances beyond his control, he shall have the option to work Friday or Saturday at the straight time rate of pay to complete his forty (40) hours. If an Employer is prohibited from working on a holiday, that Employer may work the following Friday or Saturday at the straight time rate. Overtime will be at one and one-half (1½) times the regular rate. If workmen are required to work the enumerated holidays or days observed as such, or Sundays, they shall receive double (2) the regular rate of pay for such work.

**REPLACEMENT PAGE
OREGON COUNTY
OVERTIME SCHEDULE – HEAVY CONSTRUCTION**

NO. 23: Means the regular workweek shall start on Monday and end on Friday, except where the Employer elects to work Monday through Thursday, (10) hours per day. All work over ten (10) hours in a day or forty (40) hours in a week shall be at the overtime rate of one and one-half (1½) times the regular hourly rate. The regular workday shall be either eight (8) or ten (10) hours. If a job can't work forty (40) hours Monday through Friday because of inclement weather or other conditions beyond the control of the Employer, Friday or Saturday may be worked as a make-up day at straight time (if working 4-10's). Saturday may be worked as a make-up day at straight time (if working 5-8's). An Employer, who is working a four (4) ten (10) hour day work schedule may use Friday as a make-up day when a workday is lost due to a holiday. A workday is to begin at the option of the Employer but not later than 11:00 a.m. except when inclement weather, requirements of the owner or other conditions beyond the reasonable control of the Employer prevent work. Except as worked as a make-up day, time on Saturday shall be worked at one and one-half (1½) times the regular rate. Work performed on Sunday shall be paid at two (2) times the regular rate. Work performed on recognized holidays or days observed as such, shall also be paid at the double (2) time rate of pay.

NO. 25: Means a regular work week of forty (40) hours, starting on Monday and ending on Friday. The regular work day shall be either eight (8) or ten (10) hours. If a crew is prevented from working forty (40) hours Monday through Friday, or any part thereof by reason of inclement weather, Saturday or any part thereof maybe worked as a make-up day at the straight time rate. Employees who are part of a regular crew on a make-up day, notwithstanding the fact that they may not have been employed the entire week, shall work Saturday at the straight time rate. A work day is to begin between 6:00 a.m. and 9:00 a.m. However, the project starting time maybe advanced or delayed if mutually agreed to by the interest parties. All hours worked on recognized holidays, or days observed as such, double (2) time shall be paid.

**OREGON COUNTY
HOLIDAY SCHEDULE – HEAVY CONSTRUCTION**

NO. 4: All work performed on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, or observed as such, shall be paid at the double time rate of pay. When a Holiday falls on a Sunday, Monday shall be observed. No work shall be performed on Labor Day, except in case of jeopardy to life or property. This is applied to protect Labor Day.

NO. 5: The following days are recognized as holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. If a holiday falls on a Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward a forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workman unless worked. If workmen are required to work the above recognized holidays or days observed as such, or Sundays, they shall receive double (2) the regular rate of pay for such work. The above shall apply to the four 10's Monday through Friday work week. The ten (10) hours shall be applied to the forty (40) hour work week.

NO. 16: The following days are recognized as holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on Sunday, it shall be observed on the following Monday. If a holiday falls on Saturday, it shall be observed on the preceding Friday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid to the worker unless worked. If workers are required to work the above recognized holidays or days observed as such, they shall receive double (2) the regular rate of pay for such work.

NO. 21: The following days are recognized as holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. If a holiday falls on a Sunday, it shall be observed on the following Monday. No work shall be performed on Labor Day except in case of jeopardy to work under construction. This rule is applied to protect Labor Day. When a holiday falls during the normal work week, Monday through Friday, it shall be counted as eight (8) hours toward the forty (40) hour week; however, no reimbursement for this eight (8) hours is to be paid the workman unless worked. An Employer working a four (4) day, ten (10) hour schedule may use Friday as a make-up day when an observed holiday occurs during the work week. Employees have the option to work that make-up day. If workmen are required to work the above enumerated holidays, or days observed as such, they shall receive double (2) the regular rate of pay for such work.

OUTSIDE ELECTRICIAN

These rates are to be used for the following counties:

Adair, Audrain, Boone, Callaway, Camden, Carter, Chariton, Clark, Cole, Cooper, Crawford, Dent, Franklin, Gasconade, Howard, Howell, Iron, Jefferson, Knox, Lewis, Lincoln, Linn, Macon, Maries, Marion, Miller, Moniteau, Monroe, Montgomery, Morgan, Oregon, Osage, Perry, Phelps, Pike, Pulaski, Putnam, Ralls, Randolph, Reynolds, Ripley, St. Charles, St. Francois, St. Louis City, St. Louis County, Ste. Genevieve, Schuyler, Scotland, Shannon, Shelby, Sullivan, Texas, Warren, and Washington.

COMMERCIAL WORK

Occupational Title	Basic	Total
	Hourly	Fringe
	Rate	Benefits
Journeyman Lineman	\$35.03	\$4.75 + 42%
Lineman Operator	\$30.24	\$4.75 + 42%
Groundman	\$23.38	\$4.75 + 42%

OVERTIME RATE: Eight (8) hours shall constitute a work day between the hours of 7:00 a.m. and 4:30 p.m. Forty (40) hours within five (5) days, Monday through Friday inclusive, shall constitute the work week. Work performed in the 9th and 10th hour, Monday through Friday, shall be paid at time and one-half (1½) the regular straight time rate of pay. Contractor has the option to pay two (2) hours per day at the time and one-half (1½) the regular straight time rate of pay between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. Work performed outside the regularly scheduled working hours and on Saturdays, Sundays and recognized legal holidays, or days celebrated as such, shall be paid for at the rate of double (2) time.

HOLIDAY RATE: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day, or days celebrated as such, shall be paid at the double time rate of pay. When one of the foregoing holidays falls on Sunday, it shall be celebrated on the following Monday. When one of the foregoing holidays falls on Saturday, it shall be celebrated on the Friday before the holiday.

UTILITY WORK

Occupational Title	Basic	Total
	Hourly	Fringe
	Rate	Benefits
Journeyman Lineman	\$35.03	\$4.75 + 39.55%
Lineman Operator	\$30.24	\$4.75 + 39.55%
Groundman	\$23.38	\$4.75 + 39.55%

OVERTIME RATE: Eight (8) hours shall constitute a work day between the hours of 7:00 a.m. and 4:30 p.m. Forty (40) hours within five (5) days, Monday through Friday inclusive, shall constitute the work week. Work performed in the 9th and 10th hour, Monday through Friday, shall be paid at time and one-half (1½) the regular straight time rate of pay. Contractor has the option to pay two (2) hours per day at the time and one-half (1½) the regular straight time rate of pay between the hours of 6:00 a.m. and 5:30 p.m., Monday through Friday. Work performed in the first eight (8) hours on Saturday shall be paid at the rate of one and eight tenths (1.8) the regular straight time rate. Work performed outside these hours and on Sundays and recognized legal holidays, or days celebrated as such, shall be paid for at the rate of double (2) time.

HOLIDAY RATE: All work performed on New Year's Day, Memorial Day, Fourth of July, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day, or days celebrated as such, shall be paid at the double time rate of pay. When one of the foregoing holidays falls on Sunday, it shall be celebrated on the following Monday. When one of the foregoing holidays falls on Saturday, it shall be celebrated on the Friday before the holiday.

*Missouri
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Kevin Keith, Director

December 15, 2010

**Addendum No. 002
IFB 9-101215J**

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA AND ALTON, MISSOURI

THE BID OPENING DATE AND TIME SHALL REMAIN: DECMEBER 29, 2010 AT 3:00 P.M. LOCAL TIME.

The attached Materials Geotechnical Section Foundation Investigation for Alton Radio Tower shall be made part of this IFB.

END SECTION

MISSOURI DEPARTMENT OF TRANSPORTATION
Construction and Materials

BORING DATA (CORE & SPT)

Sheet 1 of 1

Job No.:	<u>R35G</u>	Route:	<u>--</u>	Design:	<u>--</u>
County:	<u>Oregon</u>			Skew:	<u>--</u>
Over:	<u>Alton Radio Tower</u>			Operator:	<u>Lamberson</u>
Logged by:	<u>Fennessey</u>			Drillers Hole No.:	<u>A-10-17</u>
Equipment:	<u>Failing 1500</u>			Date of Work:	<u>8/16-17/2010</u>
Hole Stab. by:	<u>Drilling Fluids</u>			Drill No.:	<u>G-7887</u>
Automatic Hammer Efficiency:			<u>80 %</u>		

Bent	Station	Location	Surface Elevation, ft.	LOG OF MATERIALS*
	526787.3E	315814.1N	1052.8	0.0-24.5'

TEST DATA

Depth, ft.	SPT Blows/6"	N ₆₀	P.P., tsf	Tv., tsf	Wn%
2.5-5.0	--	--	4.50+	0.9+	35.0
5.0-6.5	4-8-14	29	4.50+	--	--
7.5-10.0	--	--	4.50+	--	39.0
10.0-11.5	6-8-9	23	4.50	--	--
12.5-14.0	4-6-8	19	3.50	--	36.2
15.0-16.5	8-5-8	17	2.75	--	--
17.5-19.0	6-7-8	19	3.50	--	33.7
20.0-21.5	5-9-9	24	3.75	--	--
22.5-24.0	4-6-8	19	3.25	--	29.5
25.0-26.5	8-10-10	27	2.75	--	--
27.5-29.0	7-12-8	27	2.75	--	37.9
30.0-31.5	7-8-9	23	2.50	--	--
35.0-36.5	5-6-9	19	1.75	--	42.5
40.0-41.5	3-5-6	15	1.75	--	51.7

LOG OF MATERIALS*

0.0-24.5' Reddish-brown to orange fat clay, very hard to very stiff, moist, reddish-brown to orange with tan mottles, trace gravel and cobbles from 7.1 to 14.5', highly weathered rock seam at 11.5', reddish-brown to orange with tan mottles, trace to scattered gravel, trace cobbles from 14.5 to 24.5'.

24.5-26.1' Orange sandy lean clay, trace to scattered gravel, very stiff, moist.

26.1-29.5' Reddish-brown to orange-tan gravelly fat clay, very stiff, moist.

29.5-32.3' Reddish-brown to orange fat clay, scattered to with gravel, very stiff, moist.

32.3-40.0' Red-tan to yellow-tan fat clay, trace to scattered gravel, very stiff to stiff, moist, highly weathered rock from 35.8 to 36.3'.

40.0-41.5' Red-tan to yellow-tan fat clay, stiff, moist.

Termination of boring at 41.5'.

SOIL CLASSIFICATION TEST DATA

Depth, ft.	LL	PI	ASTM Class.
2.5-5.0	77	40	CH
12.5-14.0	65	40	CH
22.5-24.0	55	29	CH
35.0-36.5	66	36	CH

UNCONFINED COMPRESSIVE STRENGTH

TEST DATA

Depth, ft.	Qu, psf	P.P., tsf
2.5-5.0	1915	4.50+

Electrochemical Analysis Test

Depth, ft.	pH	Resistivity, ohm-cm
2.5-5.0	4.2	11000

UNIT WEIGHTS

Depth, ft.	γ _{sat} , pcf	γ _{moist} , pcf	% _{sat}
2.5-5.0	116.3		100 ⁽¹⁾
7.5-10.0	113.4		100 ⁽¹⁾
12.5-14.0	115.4		100 ⁽¹⁾
17.5-19.0	117.3		100 ⁽¹⁾
22.5-24.0	120.7		100 ⁽¹⁾
27.5-29.0	114.2		100 ⁽¹⁾
35.0-36.5	111.2		100 ⁽¹⁾
40.0-41.5	106.2		100 ⁽¹⁾

(1) Assumed

(2) Actual

WATER TABLE OBSERVATIONS

Date	Time Change	Depth Hole Open	Depth To Water
8/17/2010	0	Backfill at completion	

Coordinate System:	<u>U.S. State Plane 1983</u>	Coordinate Zone:	<u>Missouri East 2401</u>
Coordinate Datum:	<u>NAD 83 (CONUS)</u>	Coordinate Units:	<u>U.S. Survey Feet</u>
		Coordinate Projection Factor:	<u>--</u>

N₆₀ - Corrected N value for standard 60% SPT efficiency.

Em - Measured transfer efficiency in percent.

Nm - Observed N-value.

N₆₀ = (Em/60)Nm

* Persons using this information are cautioned that the materials shown are determined by the equipment noted and accuracy of the "log of materials" is limited thereby and by judgment of the operator.
THIS INFORMATION IS FOR DESIGN PURPOSES ONLY.



FILE COPY

MEMORANDUM
Missouri Department of Transportation
Construction - Materials
Central Laboratory

TO: Tom Stehn-9ao

CC/ATT: Tom Stehn-9ao
Tom Ryan-9ma

FROM: Thomas W. Fennessey *TF*
Geotechnical Engineer

DATE: September 1, 2010

SUBJECT: Materials
Geotechnical Section
Foundation Investigation for
Alton Radio Tower
Job No. R35G
Oregon County

Attached is the boring log for a proposed radio tower near Alton, MO. This project site is located off of Route P and County Road 315 approximately 5.0 miles west of Alton, MO in Oregon County as indicated on Figure 1, Project Location Map. It is proposed to replace the existing radio tower at this site. The proposed radio tower is to be located immediately adjacent to the existing radio tower.

Shallow foundations at the site may be designed using a nominal bearing resistance of up to 20 ksf and a resistance factor of 0.50. Shallow foundations shall be embedded a minimum of 18 inches below finished grade for frost protection. Spread footings shall have a minimum width of 3 feet while strip footings shall have a minimum width of 2 feet.

The values in the following table may be used for drilled shaft design at this site. The resistance of the soil to a depth of 5 feet shall be ignored. The use of permanent casing is not anticipated.

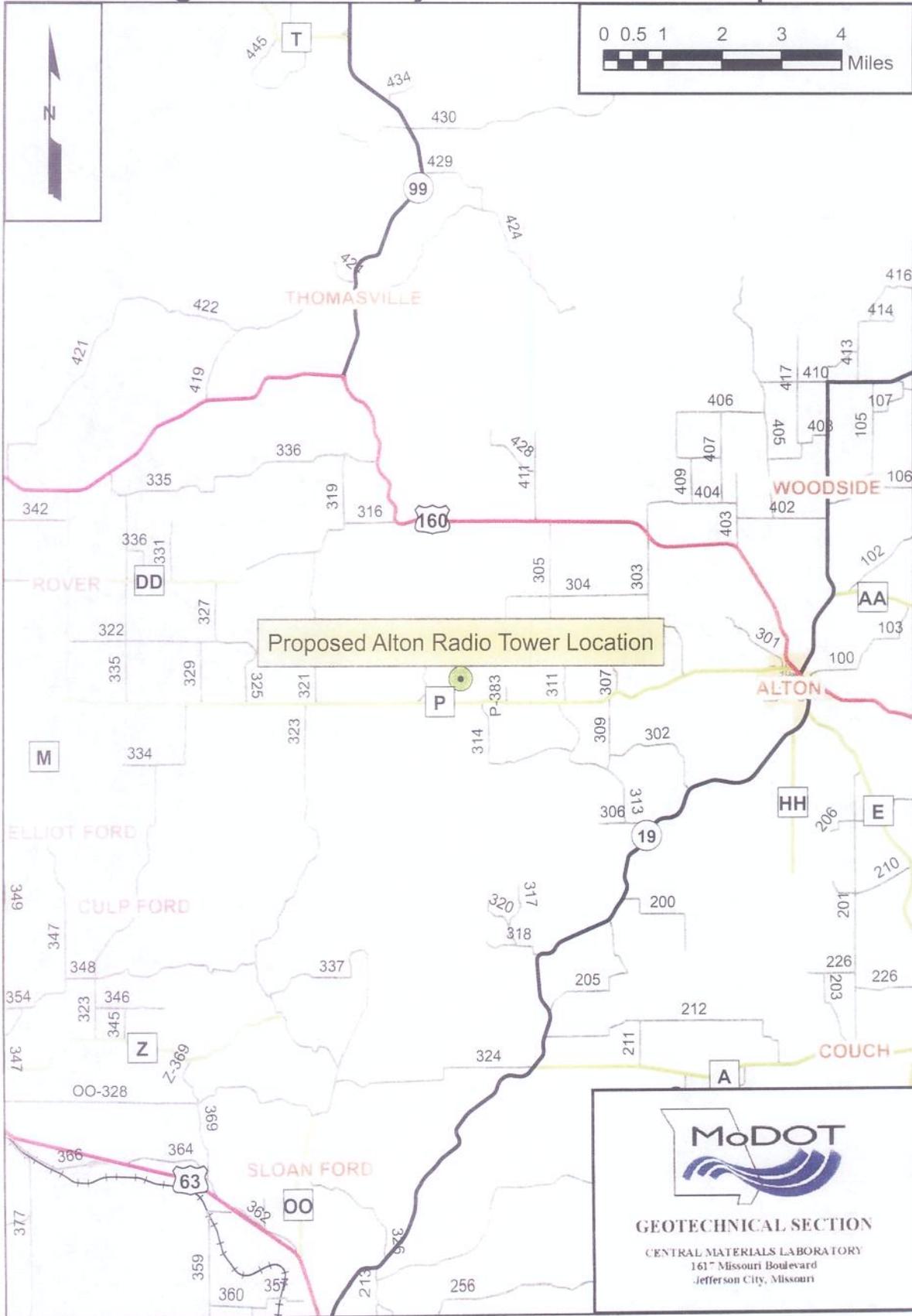
Depth From-To	Unit Wt., pcf	Nominal Skin Resistance, ksf	Resistance Factor ¹	Nominal Tip Resistance, ksf	Resistance Factor ¹	Internal Friction Angle ϕ°	Undrained Shear Strength, S_u , ksf	Strain, ϵ_{50}	Lateral Subgrade Modulus, k_t , pci
0.0-5.0	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
5.0-12.0	115	2.2	0.45	29	0.40	25	4.50	0.0040	1500
12.0-24.5	117.5	1.8	0.45	23	0.40	25	3.25	0.0045	1100
24.5-33.0	115	1.4	0.45	16	0.40	25	2.50	0.0055	850
33.0-41.5	110	1.0	0.45	14	0.40	25	1.75	0.0060	600

¹ Resistance factor should be reduced by 20% for non-redundant drilled shaft foundations.

The results of electrochemical testing indicate the shallow soil at the site has a minimum resistivity of about 11000 ohm-cm as determined by AASHTO T 288 and a pH of 4.2 as determined by AASHTO T 289.

cs
j:\sublec\tomi\alton radio tower ltr.doc
Attachments

Figure 1 - Project Location Map





Kevin Keith, Director

December 27, 2010

**Addendum No. 003
IFB 9-101215J**

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA AND ALTON, MISSOURI

The purpose of this addendum is to change, delete, or clarify the following items in the project specifications.

CHANGE:

- The **BID OPENING DATE WILL BE POSTPONED UNTIL AFTER THE NEW YEAR. A SPECIFIC BID OPENING DATE WILL BE ESTABLISHED WITH THE ISSUANCE OF A FORTHCOMING ADDENDUM NO. 004. CONSIDERATION OF AMPLE TIME FOR BIDDERS TO EVALUATE THE ITEMS IN THIS ADDENDUM, AS WELL AS THOSE ITEMS LISTED IN THE FORTHCOMING ADDENDUM NO. 004, WILL BE A DETERMINING FACTOR FOR THE BID OPENING DATE.** The **BID OPENING TIME SHALL REMAIN AT 3:00 P.M. LOCAL TIME.**
- Working time for Alton radio tower is changed to “complete the work and billing within 40 working days from the date specified” from “a total of 60 calendar days shall be allowed for completion of the contract”; reference is located in 9-101219, Addendum #001, Alton Specifications, page 4 of 5.

DELETE:

- **Line item 1.3 Telephone Service requirement;** reference is located in Section 01500 Construction Facilities and Temporary Control Requirements, page 30.
- **Line item 1.4 Facsimile Service requirement;** reference is located in Section 01500 Construction Facilities and Temporary Control Requirements, page 30.
- **Paragraph C. requirement;** reference is located in Part 1 Scope, Section 02100 Site Preparation, page 42.
- **Paragraph A, B, C, D requirements;** reference is located in Part 2 Seeding and Mulching, Section 02100 Site Preparation, page 42.
- **Paragraph 2. Concrete specification requirements;** reference is located in Materials section, Winona Radio Tower Specifications, page 2 of 5, and 9-101219, Addendum #001, Materials section, Alton Radio Tower Specifications, page 2 of 5.

CLARIFY:

- **CONCRETE REQUIREMENTS FOR BOTH TOWERS ARE** Line item 2.5 Concrete Mix, paragraph A through F; reference is located in Part 2 Products, Section 03300 Cast-In-Place Concrete, pages 55 – 56.

- As stated in Addendum #001, award of this work will be made on an "item By item" basis using the "lowest and best" principle of award, which may result in multiple awards. If both projects are awarded to one contractor, notice-to-proceed dates will be staggered (2) two weeks to prevent a same-day completion date requirement.

END SECTION



Kevin Keith, Director

December 28, 2010

Addendum No. 004
IFB 9-101215J

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA AND ALTON, MISSOURI

The purpose of this addendum is to change, delete, or clarify the following items in the project specifications.

CHANGE:

- The **BID OPENING DATE IS CHANGED TO JANUARY 10, 2011.** The **BID OPENING TIME SHALL REMAIN AT 3:00 P.M. LOCAL TIME.**

DELETE:

- **Line item 1.14 Field Offices and Sheds requirement;** reference is located in Section 01500 Construction Facilities and Temporary Control Requirements, page 31.

CLARIFY:

- Perimeter fencing for the towers and buildings may remain in place.
- All fencing shall meet the grounding requirements of the specifications.
- All existing guy wires, anchors, and guy wire protective fencing shall be removed. Each anchor needs to be removed from the ground in its entirety. No portion of the anchor can be cut off at ground level.
- The existing towers need to stay functional until the new ones are functional.

END SECTION

*Missouri
Department
of Transportation*



Kevin Keith, Director

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January 5, 2011

**Addendum No. 005
IFB 9-101229**

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA AND ALTON, MISSOURI

The purpose of this addendum is to provide potential bidders with the anchor design information for existing towers that is attached hereto.

BID OPENING DATE AND TIME: JANUARY 10, 2011 AT 3:00 P.M. LOCAL TIME.

END SECTION

Allied Tower Company, Inc.

809 KANSAS

P. O. BOX 331

SOUTH HOUSTON, TEXAS 77587

PHONE 946-9546

X. ANCHOR DESIGN.

3-1-69

160 TOWER 2-DB 224 ANT
30 PSF + 1/2 φ ICE DESIGN LOAD

ELEV.'	T #	H #	V #
150	2382	1535	1800
100	2357	1850	1445
50	1587	1470	575
	<u>6,326</u>	<u>4,855</u>	<u>3,820 #</u>

$$\frac{2}{7,640 \text{ # Req'd.}}$$

$$\text{Shaft Area} = \frac{6326}{22,000} = 0.288 \text{ sq" Req'd.}$$

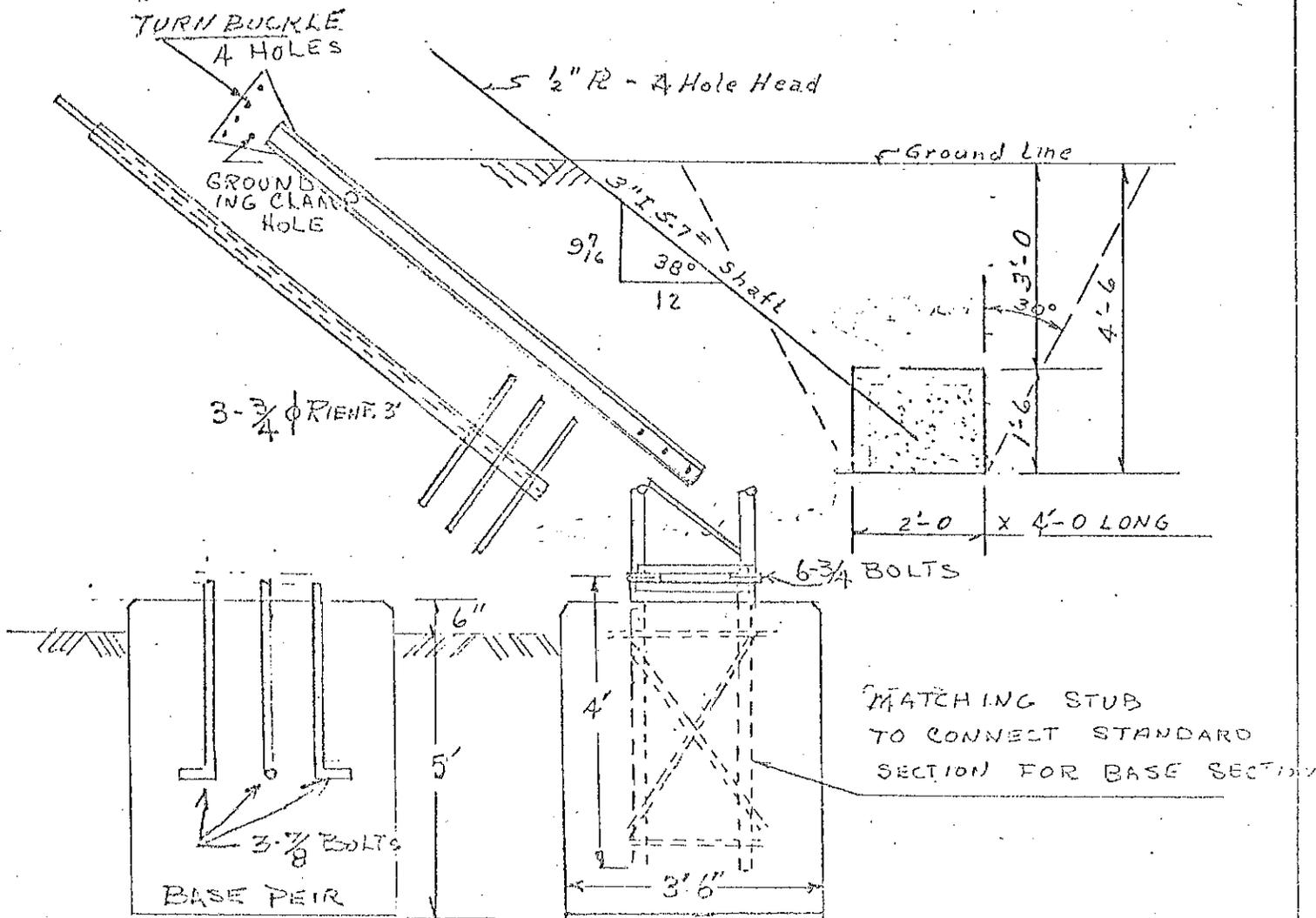
$$3" \text{ I } 5.7 = 1.64 \text{ sq" } \therefore \text{ O.K.}$$

$$\text{Bearing Face Anchor} = \frac{4,855}{3,000} = 1.62 \text{ sq' Req'd.}$$

$$\text{Anchor Vert.} = 100 \frac{4.5}{3} [2 \times 2 + 2 \times 2 \times 7.2 + \sqrt{2 \times 2 \times 7.2 \times 7.2}] + 40 \times 2 \times 2 \times 1.5$$

$$= 10,550 + 240 = 10,790 \text{ #} > 7,640 \text{ # Req'd.}$$

$$\text{Brng. Face} = 2 \times 1.5 = 3 \text{ sq' } > 1.62 \text{ sq' Req'd.}$$



OPTIONAL TWO TYPES OF BASE CONNECTION

*Missouri
Department
of Transportation*



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Kevin Keith, Director

January 6, 2011

**Addendum No. 006
IFB 9-101229**

MISSOURI DEPARTMENT OF TRANSPORTATION: DISTRICT – 9 RADIO TOWERS WINONA AND ALTON, MISSOURI

The sole purpose of this addendum delete paragraph 11.A. under Section 00100 Bidders Requirements.

BID OPENING DATE AND TIME: JANUARY 10, 2011 AT 3:00 P.M. LOCAL TIME.

END SECTION