

STATE OF NEBRASKA  
DEPARTMENT OF ROADS  
ADDENDUM NO. 1  
AND  
ELECTRONIC BIDDING SYSTEM  
AMENDMENT NO. 1  
PROJECT NO. ELEC-80-1(1031)  
CONTROL NO. 51370  
CALL NO. 510  
I-80. PINE BLUFFS INTERCHANGE  
LETTING DATE: SEPTEMBER 30, 2010

The Schedule of Items for Group 8B is amended as follows:

1. The quantity for the bid item "Pull Box, Type PB-5" is incorrect and should read 13.000 EACH.
2. The bid item "Lighting Control Center, Type D" has been eliminated.
3. The quantity for the bid item "Lighting Control Center, Type R" is incorrect and should read 1.000 EACH.
4. The quantity for the bid item "1 ½-Inch Conduit in Trench" is incorrect and should read 4,777.000 LF.
5. The quantity for the bid item "1 ½-Inch Conduit, Jacked" is incorrect and should read 154.000 LF.
6. The quantity for the bid item "Street Lighting Cable, No. 6 BARE" is incorrect and should read 4,931.000 LF.
7. The quantity for the bid item "Street Lighting Cable, No.6 USE" is incorrect and should read 3,576.000 LF.
8. The bid item "Lighting Control Center, Type RD" has been added with a quantity of 1.000 EACH.

The EBS generated bid items sheets must show these corrections or the bid will be considered void.

\* \* \* \* \*

Plan sheets 3 & 4 are void and superseded by added sheets 3A & 4A as depicted on the attached sheets.

\* \* \* \* \*

Plan sheet 5 will be revised as depicted on the attached sheet.

\* \* \* \* \*

Upon execution of the contract, the plans will be revised to reflect these changes.

DEPARTMENT OF ROADS

***Original Signed by Claude Oie***

Claude Oie  
Construction Engineer

Issued: September 21, 2010

CO:510AD109

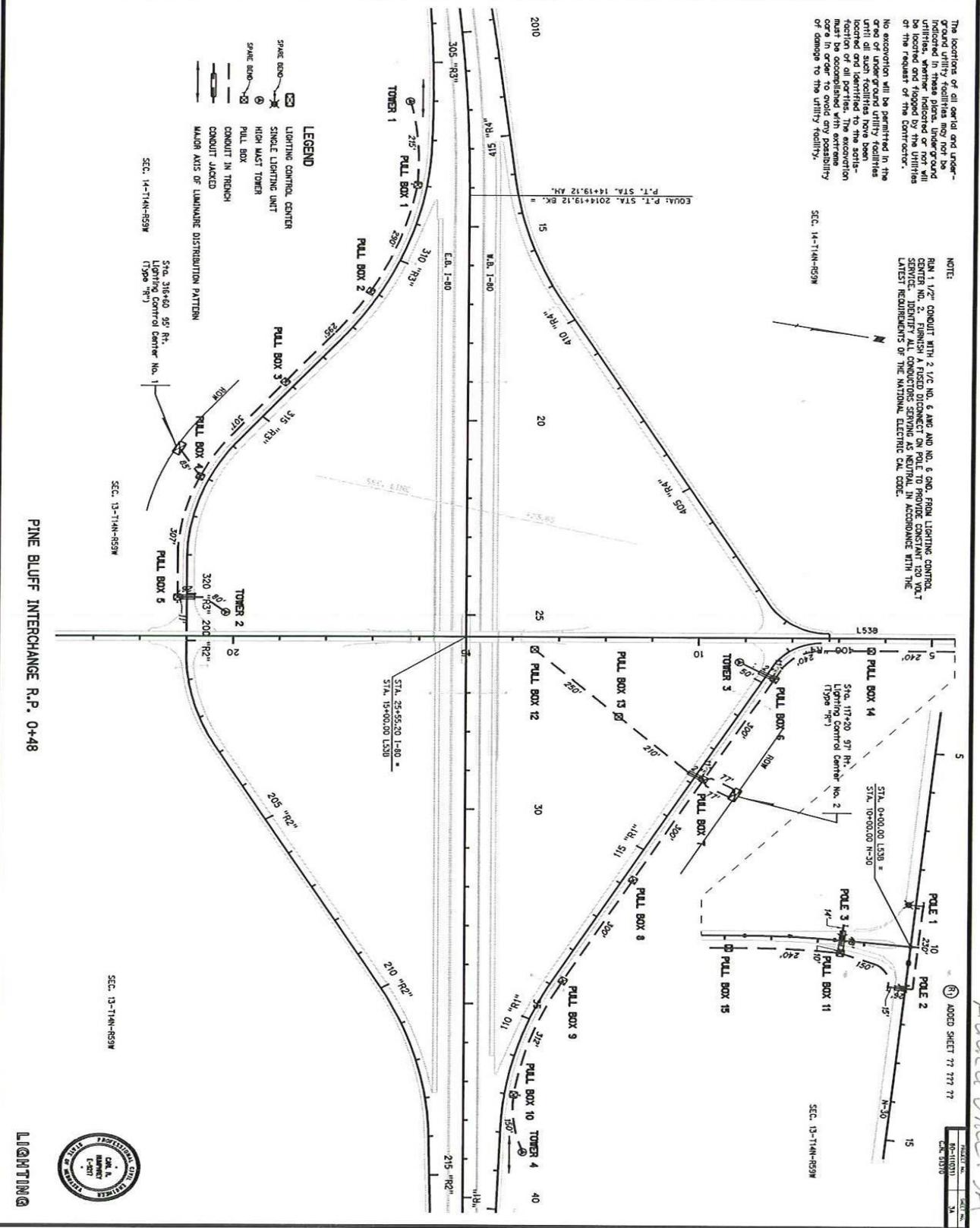
NOTICE: Only the contractors issued bidding proposals receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the contractor.



51370001A.dgn  
 328.125:1  
 SHEET 1 OF 1

DESIGNER'S  
 09/13/09  
 10-SEP-2010 13:40

roadway Design Division



PINE BLUFF INTERCHANGE R.P. 0+48

LIGHTING



513700K02A.dgn  
 15:21:23  
 SHEET 1 OF 1

DESIGNED BY  
 CHECKED BY  
 DATE 2010 12:41

Highway Design Division

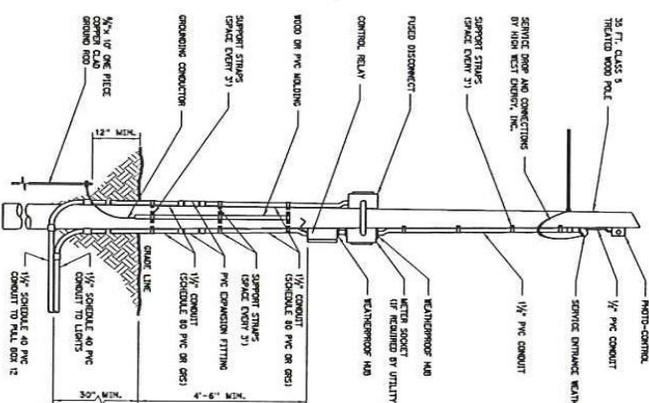
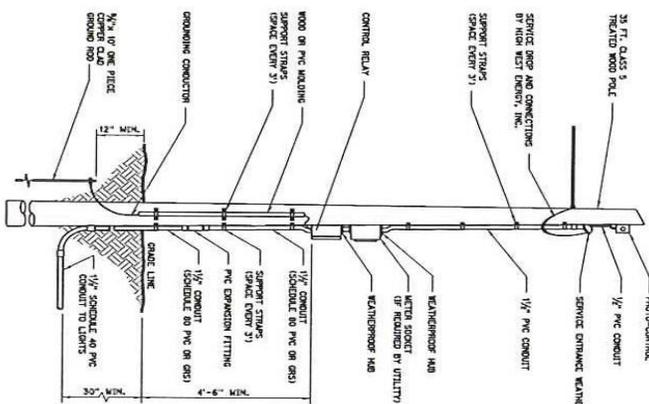
- GENERAL NOTES:**
- A 72 HOUR BURN IS NOT REQUIRED ON INSTALLATIONS USING #5 LUMINAIRES.
  - FOR ALL BOX DETAILS, SEE STANDARD PLAN 91-46. ALL WALL BOSS WITH METAL FLANG AND LID SHALL BE SLOTTED, UNLESS INDICATED OTHERWISE.
  - ALL CONNECTORS IN WALL BOSS WILL BE MADE USING STANDARD SECONDARY CONNECTORS ACTIVE AND GIVE REQUIREMENTS.
  - ELECTRICAL CONNECTORS IN WALL ON TRANSFORMER BASE SHALL BE MADE USING UL APPROVED, RATED-COLOR, DUAL METAL, METALLIC CONNECTOR BLOCKS WITH ALUMINUM SET SCREWS, THE CONNECTOR SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND TYPING WILL NOT BE ALLOWED.
  - THE CONNECTOR BLOCK MUST CONTAIN THE CORRECT NUMBER OF CABLE ENTRANCES TO ALLOW ONE CABLE PER CABLE AND MUST BE RATED FOR THE SIZE AND TYPE OF CABLE BEING USED. UNLESS OTHERWISE SPECIFIED, ALL CABLES SHALL BE FULLY INSULATED TO PREVENT ACCIDENTAL CONTACT WITH LIVE COMPONENTS.
  - AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE BONDING:
    - TO ALL PILES ON TRANSFORMER BREAKAWAY BASES.
    - TO ALL CONTROL CENTER SERVICE LOCATIONS.
    - TO ALL METALLIC PENETRATOR CARRYING COMPONENTS.
    - TO ALL GROUND RODS.
  - IN WALL BOSS, PILE BASES, JUNCTION BOXES AND CONTROL CABINETS, THE DIRECTION OF EACH CABLE SHALL BE INDICATED BY ATTACHING A PERMANENT TAG OF RIBBON PLASTIC OR METAL TO THE CABLE. THE TAG SHALL BE IDENTIFIED BY THE LETTERS "A" THROUGH "Z" ON ONE END AND "1" THROUGH "12" ON THE OTHER END. IN INSTANCES WHERE THE CONDUIT OR CONDUIT ENTRANCES ARE NOT VISIBLE OR ACCESSIBLE AS IN ANCHOR BASE INSTALLATIONS, A DIRECTION TAG SHALL BE ATTACHED TO EACH CABLE. CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 405 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
  - ALL METALLIC AND NONMETALLIC CONDUIT SHALL BEAR THE UL LISTING.
    - UNLESS INDICATED OTHERWISE IN THE PLANS.
    - ALL CONDUIT SHALL BE 1 1/2".
    - CONDUIT PLACED IN TRENCH ON UNDER THE ROADWAY SHALL BE NONMETALLIC AND OF THE FOLLOWING TYPES AS DEFINED IN THE SPECIFICATIONS: PVC, FIBER, COB OR HDPE.
    - NONMETALLIC CONDUIT SHALL BE INSTALLED ON STRUCTURES ON ROAD AS RIBBED SHALL BE SCHEDULE 80 PVC.
    - METALLIC CONDUIT SHALL BE TYPE 305 OR 306.
    - ADVANCED INTERMEDIATE METAL CONDUIT (IMC) MAY BE USED IN LINED OR GALVANIZED RIBBON STEEL CONDUIT (RS).
    - CONDUIT PLACED IN TRENCH SHALL HAVE A MINIMUM COVER DEPTH OF 3" UNLESS INDICATED OTHERWISE.
    - ALL UNDERGROUND CONDUIT MUST BE TERMINATED IN WALL BOSS, LIGHT FIXTURE BASES, BREAKAWAY TRANSFORMER BASES, FIBER/STEEL BASES, LIGHTING CONTROL CENTER CABINETS OR TO THE CABLES SURFACE. ALL CONDUIT ENDS SHALL BE PROTECTED BY THE MANUFACTURER'S METHOD TO PROTECT THE CABLE THEY CARRY FROM CHIPPING OR ABRASION.
    - CONDUIT UNDER ROADWAY SHALL BE KEPT ABOVE THE ROADWAY AS EXTENDING 1 FT. ABOVE THE TOP OF THE ROADWAY SURFACE (INCLUDING SURFACE SLOPAGES).
    - JACKETED CONDUIT MAY BE EITHER METALLIC OR NONMETALLIC.
    - TRENCHING SHALL BE LEFT A MINIMUM OF 6 FT. FROM THE TRENCH OR EXISTING TRENCH. WORKING MAY BE REQUIRED UNDER THE CENTER OF LANE IN LIMITED SPACE.
    - ROUTING OF CONDUIT AND CABLE MAY BE ALTERED BY THE PROJECT ENGINEER, IF NECESSARY, TO SUIT FIELD CONDITIONS.
    - INSTALL SPACE BENCH AS SHOWN ON PLANS. SPACE BENCH MUST BE SECURELY CAPED OR PLACED AT BOTH ENDS WITH FITTINGS OF THE CORRECT SIZE AND TYPE FOR THE CONDUIT BEING USED. CONDUIT BENCHES ARE NOT REQUIRED.
    - LIGHTING CONDUIT AND TYPICAL SIGNAL CONDUIT MAY BE Laid IN THE SAME TRENCH.
    - LUMINAIRES SHALL BE LOCATED AFTER PILE HAS BEEN INSTALLED ON FOUNDATION. LUMINAIRE MOUNTING BOLTS SHALL BE PROVIDED TO MANUFACTURER'S SPECIFICATIONS.
    - ROADWAY LIGHTING SYSTEM MUST MEET PROJECT ENGINEER'S FINAL INSPECTION. ROADWAY LIGHTING REFERRED TO IN THESE NOTES IS THE LIGHTING SYSTEM AS SHOWN ON THE PLANS AND SHALL BE SUBJECT TO A FINAL INSPECTION BY THE STATE ELECTRICAL INSPECTOR.
    - CONTACT UTILITY THREE WORKING DAYS PRIOR TO RECEIVING SERVICE CONNECTION OR DISCONNECT.
    - GROUNDING CONNECTIONS IN WALL BOSS AND JUNCTION BOXES SHALL BE MADE USING METALLIC CONNECTORS SPECIFICALLY DESIGNED FOR THE PURPOSE.
    - UNLESS INDICATED OTHERWISE IN THE PLANS:
      - CONVENTIONAL LIGHTING UNITS MAY BE INSTALLED USING EITHER CONCRETE OR MASONRY GROUND LUMINAIRE UNITS SHALL BE OF ONE TYPE.
      - ALL LUMINAIRE USED ON A PROJECT SHALL BE OF ONE TYPE.
      - A LETTER IDENTIFICATION NUMBER CONSISTING OF THE LETTER TABLES A-Z, 10-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82, 83-84, 85-86, 87-88, 89-90, 91-92, 93-94, 95-96, 97-98, 99-100, 101-102, 103-104, 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-168, 169-170, 171-172, 173-174, 175-176, 177-178, 179-180, 181-182, 183-184, 185-186, 187-188, 189-190, 191-192, 193-194, 195-196, 197-198, 199-200, 201-202, 203-204, 205-206, 207-208, 209-210, 211-212, 213-214, 215-216, 217-218, 219-220, 221-222, 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236, 237-238, 239-240, 241-242, 243-244, 245-246, 247-248, 249-250, 251-252, 253-254, 255-256, 257-258, 259-260, 261-262, 263-264, 265-266, 267-268, 269-270, 271-272, 273-274, 275-276, 277-278, 279-280, 281-282, 283-284, 285-286, 287-288, 289-290, 291-292, 293-294, 295-296, 297-298, 299-300, 301-302, 303-304, 305-306, 307-308, 309-310, 311-312, 313-314, 315-316, 317-318, 319-320, 321-322, 323-324, 325-326, 327-328, 329-330, 331-332, 333-334, 335-336, 337-338, 339-340, 341-342, 343-344, 345-346, 347-348, 349-350, 351-352, 353-354, 355-356, 357-358, 359-360, 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, 383-384, 385-386, 387-388, 389-390, 391-392, 393-394, 395-396, 397-398, 399-400, 401-402, 403-404, 405-406, 407-408, 409-410, 411-412, 413-414, 415-416, 417-418, 419-420, 421-422, 423-424, 425-426, 427-428, 429-430, 431-432, 433-434, 435-436, 437-438, 439-440, 441-442, 443-444, 445-446, 447-448, 449-450, 451-452, 453-454, 455-456, 457-458, 459-460, 461-462, 463-464, 465-466, 467-468, 469-470, 471-472, 473-474, 475-476, 477-478, 479-480, 481-482, 483-484, 485-486, 487-488, 489-490, 491-492, 493-494, 495-496, 497-498, 499-500, 501-502, 503-504, 505-506, 507-508, 509-510, 511-512, 513-514, 515-516, 517-518, 519-520, 521-522, 523-524, 525-526, 527-528, 529-530, 531-532, 533-534, 535-536, 537-538, 539-540, 541-542, 543-544, 545-546, 547-548, 549-550, 551-552, 553-554, 555-556, 557-558, 559-560, 561-562, 563-564, 565-566, 567-568, 569-570, 571-572, 573-574, 575-576, 577-578, 579-580, 581-582, 583-584, 585-586, 587-588, 589-590, 591-592, 593-594, 595-596, 597-598, 599-600, 601-602, 603-604, 605-606, 607-608, 609-610, 611-612, 613-614, 615-616, 617-618, 619-620, 621-622, 623-624, 625-626, 627-628, 629-630, 631-632, 633-634, 635-636, 637-638, 639-640, 641-642, 643-644, 645-646, 647-648, 649-650, 651-652, 653-654, 655-656, 657-658, 659-660, 661-662, 663-664, 665-666, 667-668, 669-670, 671-672, 673-674, 675-676, 677-678, 679-680, 681-682, 683-684, 685-686, 687-688, 689-690, 691-692, 693-694, 695-696, 697-698, 699-700, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 717-718, 719-720, 721-722, 723-724, 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741-742, 743-744, 745-746, 747-748, 749-750, 751-752, 753-754, 755-756, 757-758, 759-760, 761-762, 763-764, 765-766, 767-768, 769-770, 771-772, 773-774, 775-776, 777-778, 779-780, 781-782, 783-784, 785-786, 787-788, 789-790, 791-792, 793-794, 795-796, 797-798, 799-800, 801-802, 803-804, 805-806, 807-808, 809-810, 811-812, 813-814, 815-816, 817-818, 819-820, 821-822, 823-824, 825-826, 827-828, 829-830, 831-832, 833-834, 835-836, 837-838, 839-840, 841-842, 843-844, 845-846, 847-848, 849-850, 851-852, 853-854, 855-856, 857-858, 859-860, 861-862, 863-864, 865-866, 867-868, 869-870, 871-872, 873-874, 875-876, 877-878, 879-880, 881-882, 883-884, 885-886, 887-888, 889-890, 891-892, 893-894, 895-896, 897-898, 899-900, 901-902, 903-904, 905-906, 907-908, 909-910, 911-912, 913-914, 915-916, 917-918, 919-920, 921-922, 923-924, 925-926, 927-928, 929-930, 931-932, 933-934, 935-936, 937-938, 939-940, 941-942, 943-944, 945-946, 947-948, 949-950, 951-952, 953-954, 955-956, 957-958, 959-960, 961-962, 963-964, 965-966, 967-968, 969-970, 971-972, 973-974, 975-976, 977-978, 979-980, 981-982, 983-984, 985-986, 987-988, 989-990, 991-992, 993-994, 995-996, 997-998, 999-1000.

TYPICAL OF LIGHTING CONTROL CENTER NO. 1

CONDUIT	RELAY	BREAKERS	COIL
L.C.C. NO. 1	2 REL-100 AMP	2 REL-75 AMP	120 VOLT-40 WZ

TYPICAL OF LIGHTING CONTROL CENTER NO. 2

CONDUIT	RELAY	BREAKERS	COIL
L.C.C. NO. 2	2 REL-100 AMP	2 REL-75 AMP	120 VOLT-40 WZ



ADDED SHEET 77 777 77

CDC 5370

Add Sheet 44



LIGHTING