



08/05/2024

Steve Lyon
City of Jacksonville
117 W Duval St
Jacksonville, FL 32202

RE: City Hall Comprehensive Bus Duct Replacement

Steve,

Miller Electric Company is pleased to provide you with the following proposal for the above-referenced project. Please see our below-referenced qualifications and clarifications.

Scope of Work with Inclusions:

Vertical Riser - East Bus Duct

Vertical Conduit and Wire Riser (Lead Time: 20-30 weeks)

- Furnish and Installation of the following:
 - (1) 2000A MLO Distribution piece of switchgear in the 1st Floor Electrical Room to feed the following:
 - (3) 600A Breakers for distribution to Floors 2, 3, and 4
 - (1) 125A Breaker (first floor power)
 - (1) 250A Breaker (first floor power)
 - (1) 100A Breaker (first floor power)
 - (1) 150A Breaker (Mezzanine)
 - (1) Surge Protection Device
 - (1) Furniture pad to put the 2000A Switchgear on
 - (3) 600A MCB Distribution Panels (with the equivalent breakers) on floors 2, 3, and 4 (fed from the 2000A Distribution) to feed the following Branch distribution:
 - (3) 125A Feeds
 - (3) 100A Feeds
 - (1) 225A Feed
 - (2) 250A Feeds
- All Equipment is NEMA 1, 277/480V, 3 phase, 65kAIC
- Furnish and Installation of all Conduit and Wire to meet power needs.
 - All Conduit and wire is to be EMT and THHN
- Breaker Testing for (3) 600A Distribution breakers is included
- Startup and commissioning of 2000A Switchgear is included
- GPRS Scanning if necessary for core-drills between floors
- All work is to be performed during normal working hours M-F, 7am-3:30pm (not including holidays)

Clarifiers and Exclusions:

- Any Electrical Room Door modifications (to fit 2000A switchgear) are to be provided by others



- No Overtime Included
- No Electrical Permit Included
- No Engineering Included
- This quote is valid for 14 days from the date on this proposal
- Due to Market volatility, Material prices cannot be guaranteed past the above validity date, and may cause fluctuations in the proposal price if released after the said 14 days

Vertical Conduit Cost (Lead time: 20-30 weeks).....\$520,656.06

Misc. Costs - Both Runs

Hi-Pot Testing

- Subcontractor and Labor to perform Hi-Pot Testing on both sets of Bus Ducts/Electrical Runs

Cost.....\$11,240.00

Electrical Engineering (Included in all Selections)

- Engineering for Arc Flash Studies and Coordination

Cost.....\$72,400.00

Horizontal Power - East Bus Duct

Horizontal Conduit and Wire Installation - Lead Time: 4-6 Weeks (for Tap Boxes)

- Furnish and Installation of the following:
 - 260' of (5) sets of (4) 600 MCM wire in THHN (2,000A worth of Power in Conduit and Wire)
 - All Conduit and Wire is to be EMT and THHN
 - (1) Tap box to be installed on existing bus
- Purchase and delivery of (1) tap box for COJ attic stock
- Duct-Jack rental if needed

Clarifiers and Exclusions:

- 30' of existing bus duct that has passed testing is to remain, and new conduit is to tie into the existing through tap boxes
- No Overtime Included
- No Electrical Permit Included
- No Engineering Included
- Path of Conduit is subject to change from existing bus duct path



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Horizontal Conduit and wire Cost\$326,903.34

Demolition - Both Runs

- Labor to remove DLO rental cable
- Demolition of all horizontal and vertical bus duct that was impacted (minus 30' of bus to remain)
- Labor to Install new 2000A breaker
- Furnish and Installation of Hoffman Seals to plug up temporary holes in gear
- 8 hours OT for panel disconnects and breaker installation only
- Duct-jack rental for bus removal
- 1-month Lull Rental for Material drop-off and movement
- All other wire removal and work to be done during normal working hours, M-F, 7am-3:30pm (not including holidays)

Clarifiers and Exclusions:

- No electrical permit included
- No Electrical Engineering included
- No Additional DLO Rental included
- Price is valid for 14 days after date stated on this proposal

Demolition Cost\$125,687.66

Electrical Integrity Improvements - Both West and East

Scope of Work with Inclusions:

- Furnish and install the following:
 - (18) runs of 100A worth of MC or Armored cable (as decided by COJ) to bypass rental DLO cable
 - (18) runs are distributed as follows:
 - (6) First Floor
 - (4) Second Floor
 - (4) Third Floor
 - (4) Fourth Floor
 - Junction boxes in each load-side electrical room to roll up cable for future use
 - 20' of carflex rolled up and ready for quick tie-ins



- All work (minus 6 hrs OT) are to be Regular time, M-F, 7am-3:30pm, (Not including Holidays)

Clarifiers and Exclusions:

- 6 hours OT for cable disconnects only
- DLO cable removal not included
- No electrical permit included
- No Electrical Engineering included
- Price is valid for 14 days after date stated on this proposal

Electrical Integrity Improvements Cost\$239,760.20

Complete West Bus Duct

West Bus Duct - Conduit and Wire - Lead Time: 20-30 weeks

- Furnish and Installation of the following:
 - 120' of (6) sets of (4) 600 MCM wire in THHN (2,500A worth of Power in Conduit and Wire)
 - All Conduit and Wire is to be EMT and THHN
 - (1) Tap box to be installed on existing bus
 - Purchase and delivery of (1) tap box for COJ attic stock
 - Duct-Jack rental if needed
 - 100' of existing bus duct (from existing 2500A Breaker to bus riser) is to remain, and new conduit is to tie into the existing bus, in the maintenance office, through tap boxes
 - Path of Conduit is subject to change from existing bus duct path
- Furnish and Installation of the following:
 - (1) 2500A MLO Distribution piece of switchgear in the 1st Floor Electrical Room to feed the following:
 - (3) 150A Breakers (first floor power)
 - (1) 250A Breaker (first floor power)
 - (1) 600A Breaker for Mezzanine Dist.
 - (1) 1600A Breaker for 2nd Floor Dist.
 - (1) Surge Protection Device
 - (1) Furniture pad to put the 2500A Switchgear on
 - (2) 600A MCB Distribution Panels (with the equivalent breakers) on floors 2, 3, and 4 (fed from the 2000A Distribution) to feed the following Branch distribution:
 - (5) 150A Feeds
 - (1) 250A Feed
 - (1) 1600A MLO Distribution section of switchgear in the 2nd Floor Electrical Room to feed the following:
 - (2) 150A Feeds
 - (2) 250A Feeds



MILLER ELECTRIC COMPANY
Powering the Possibilities

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- (1) 600A Feed
- (1) 400A Feed
- (1) 600A Feed for dist. (3rd Floor)
- (1) 800A Feed for dist. (4th Floor)
- All Equipment is NEMA 1, 277/480V, 3 phase, 100kAIC
- Furnish and Installation of all Conduit and Wire to meet power needs.
 - All Conduit and wire is to be EMT and THHN
- Breaker Testing for (2) 600A, (1) 1600A, and (1) 800A Distribution breaker is included
- GPRS Scanning if necessary for core-drills between floors
- Majority of work is to be performed during normal working hours M-F, 7am-3:30pm (not including holidays)
- Minimal overtime is included and reserved for panel tie ins and switching switchgear loads. No Overtime is included for conduit runs and non-energized work

Clarifiers and Exclusions:

- Any Electrical Room Door modifications (to fit 2500A switchgear) are to be provided by others
- No Electrical Permit Included
- Electrical Engineering is included for Arc Flash study, coordination study, and drawings
- This quote is valid for 14 days from the date on this proposal
- Due to Market volatility, Material prices cannot be guaranteed past the above validity date, and may cause fluctuations in the proposal price if released after the said 14 days

West Bus Duct Replacement (20-30 weeks Lead time).....\$1,098,352.74

Total Cost\$2,395,000.00

Sincerely,
Miller Electric Company
Jack Delac
Jack Delac
Assistant Project Manager