

**LEEDY & PETZOLD ASSOCIATES, LLC**

Consulting Electrical Engineers/Planners  
12970 West Bluemound Road ■ Elm Grove, Wisconsin 53122  
Voice (262) 860-1544 ■ Fax (262) 860-1566  
tdn@leedypetzold.com

May 7, 2015

Milwaukee County Department of Public Works  
Airport Engineers Office  
General Mitchell International Airport  
5300 South Howell Avenue  
Milwaukee, WI 53207-6189

Attention: Mr. Timothy Kipp, P.E.  
Project Manager

Subject: ***Proposal for Professional Engineering Add Services  
for the Parking Structure Relighting  
at General Mitchell International Airport  
Project No. A096-10012***

Dear Mr. Kipp:

In accordance with your request wherein you requested that Leedy & Petzold Associates, LLC provide a contract to finish documenting the parking structure electrical efforts. We are pleased to submit this project scope and fee proposal outlining the consulting engineering services associated with the overall project for your consideration.

This Proposal is based upon the following scope of services relative to this project as currently understood by our office:

1. Provide Design Services for the final accepted and approved Parking Structure Relighting Master Plan Report consisting of Design Development and Construction Documents services.
  - Project shall comply with Milwaukee County's green building policy.
  - Construction phasing plans shall adequately maintain parking operations.
  - Current revenue control system functions shall not be interrupted during normal operational periods.
  - Include "Buy American" language for lighting components and equipment.
  - Provide detailed opinion of probable construction costs for review at the Schematic Design, Design Development, 95% Design competition and Construction Documents phases.
  - Revise lighting in original parking structure and car rental area.
  - New conduit (PVC or EMT) in original structure.
  - New fixtures in North Lot, reuse circuitry unless survey results indicate conductor aging.
  - Revise ramp lighting.
  - Submit paperwork to Air Traffic Control form 74-60 which will involve the perimeter points and height of pole.
  - In Design Development Stage attempt to minimize closet quantity from 6 per floor down to 4 per floor.

Mr. Timothy Kipp

May 7, 2015

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- Feeder currently terminated in SG/4 gear (west side) – needs to be documented to receive its service from the north end of SG/4 where it will receive its power from the powerhouse.
  - Provide documentation for the following:
    - Relight and provide all new conductors in new conduit south structures.
    - Relight north structure.
2. Provide Bidding and Construction Administration services for the components of the project included in the Design Services shall be provided in cooperation with a Construction Management team that may either consist of DPW personnel or a consultant under separate agreement with the Owner.
- The consultant shall conduct a pre-bid conference and prepare meeting minutes.
  - The consultant shall coordinate with GMIA for the advertisement for bids.
  - Prepare required Addenda in response to bidders' technical questions.
  - Review bids received and make recommendation to award contract.
  - Review contractor submittals, VE proposals, process RFI's and assist the construction manager with preparation of change orders as required.
  - Participate in site visits, construction meetings, and substantial and final completion inspections.

Knows:

- GMIA will assist with Federal and State paperwork submittal.
- GMIA will replace all stairwells with new lighting units, installed by their staff.
- Bid set will be one set with one specification.
- GMIA will provide any necessary backgrounds in AutoCAD format.
- Bid set due prior to January 2016.

The services provided as a consultant to your office will include preparation of technical electrical drawings and specifications suitable for bidding and construction purposes, consistent with practice here in Wisconsin. Engineering design will be in accordance with documented program criteria provided. Design services will include Code required subsystems, i.e., emergency power system interconnections and other facilities required by the National Electrical Code.

The service product to be furnished includes preparation of one (1) copy of technical specification in Microsoft Word 2007 format and AutoCad 2008 electrical drawings on CD disk, with an original bid set of the Construction Documents, bearing the seal of the Registered Professional Engineer in charge from the State of Wisconsin.

Based on the foregoing, we propose to perform the professional consulting engineering services for the following a lump sum fees (see the attached Fee Proposal spread sheet);

- Design Services
  - Parking Structure Lighting.....Sixty Thousand Three Hundred Two Dollars and Sixty Cents (\$60,302.60).
- Bidding & Construction Administration Services
  - Parking Structure Lighting.....Nineteen Thousand Seven Hundred Fifty Two Dollars and Fourteen Cents (\$19,752.14).

Mr. Timothy Kipp  
May 7, 2015  
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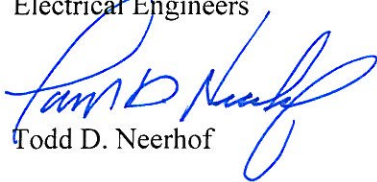
Each sub category of the Design and Bidding & Construction Services can be individually provided based upon the final accepted and approved Master Plan Report and Milwaukee County's written notice-to-proceed.

To fulfill Milwaukee County's Disadvantaged Business Enterprise (DBE) goals we propose to engage the services of Hurt Electric, Inc., Boer Architects, Inc., and Cervantes Consulting Engineers, LLC to perform site survey, architectural design and mechanical engineering associated the scope of the project. We propose to employ these firms for 25.0 percent of the total contract amount, as further detailed in the attached Fee Proposal spreadsheet.

We appreciate your selection of our firm for this project and look forward to working with you and your staff. Should you have any questions or reservations regarding the foregoing, please call for further discussion on the matter.

Very truly yours,

**LEEDY & PETZOLD ASSOCIATES, LLC**  
Electrical Engineers



Todd D. Neerhof

TDN:cb  
Proposals/2015/7985-A/Proposal

**LEEDY AND PETZOLD ASSOCIATES, LLC  
CONSTANT EFFORT SPREADSHEET**

Date: May 7, 2015

Milwaukee County Project No. A096-10012

Project: GMIA Parking Structure Phase 2 Re-Lighting, and Service Panel Design Services

CLASSIFICATION	Principal		Associate		Technician		Admin. Asst.		LPA		DBE Sub-Consultant		DBE Sub-Consultant		Total Billing Cost	
	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
LABOR RATES																
OVERHEAD FACTOR																
BILLING RATES		\$140.00		\$128.21		\$52.50		\$61.25						\$100.00		
<b>TASK</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>
<b>DESIGN DEVELOPMENT</b>																
Revise Lighting Layout	10.0	\$ 1,400.00	50.0	\$ 6,410.25	40.0	\$ 2,100.00		\$ -	100.0	\$ 9,910.25	16.0	\$ 1,600.00		\$ -	116.0	\$ 11,510.25
New Closet Layouts	8.0	\$ 1,120.00	30.0	\$ 3,846.15	20.0	\$ 1,050.00		\$ -	58.0	\$ 6,016.15	8.0	\$ 800.00		\$ 4,800.00	114.0	\$ 11,616.15
Lighting Fixture Pre Bid																
Mock Ups	4.0	\$ 560.00	28.0	\$ 3,589.74	4.0	\$ 210.00	4.0	\$ 245.00	40.0	\$ 4,604.74		\$ -		\$ -	40.0	\$ 4,604.74
Revise Double Ended																
Switchgear Conductors			16.0	\$ 2,051.28	8.0	\$ 420.00	2.0	\$ 122.50	26.0	\$ 2,593.78		\$ -		\$ -	26.0	\$ 2,593.78
Update Low Voltage Location			12.0	\$ 1,538.46	12.0	\$ 630.00		\$ -	32.0	\$ 2,168.46		\$ -		\$ -	32.0	\$ 2,168.46
FAA Submittals			24.0	\$ 3,076.92	16.0	\$ 840.00	6.0	\$ 367.50	46.0	\$ 4,284.42		\$ -		\$ -	46.0	\$ 4,284.42
<b>CONSTRUCTION DOCS.</b>																
Revise Lighting Layout	10.0	\$ 1,400.00	45.0	\$ 5,769.23	10.0	\$ 525.00	6.0	\$ 367.50	71.0	\$ 8,061.73		\$ -		\$ -	71.0	\$ 8,061.73
New Closet Layouts	8.0	\$ 1,120.00	10.0	\$ 1,282.05	10.0	\$ 525.00	6.0	\$ 367.50	34.0	\$ 3,294.55		\$ -		\$ 4,900.00	83.0	\$ 8,194.55
Lighting Fixture Pre Bid																
Mock Ups	4.0	\$ 560.00	16.0	\$ 2,051.28	2.0	\$ 105.00		\$ -	22.0	\$ 2,716.28		\$ -		\$ -	22.0	\$ 2,716.28
Revise Double Ended																
Switchgear Conductors			16.0	\$ 2,051.28	4.0	\$ 210.00		\$ -	20.0	\$ 2,261.28		\$ -		\$ -	20.0	\$ 2,261.28
Update Low Voltage Location			4.0	\$ 512.82	4.0	\$ 210.00		\$ -		\$ 722.82		\$ -		\$ -	0.0	\$ 722.82
FAA Submittals			8.0	\$ 1,025.64	8.0	\$ 420.00	2.0	\$ 122.50	18.0	\$ 1,568.14		\$ -		\$ -	18.0	\$ 1,568.14
<b>TOTAL</b>	<b>44.0</b>	<b>\$ 6,160.00</b>	<b>259.0</b>	<b>\$ 33,205.10</b>	<b>138.0</b>	<b>\$ 7,245.00</b>	<b>26.0</b>	<b>\$ 1,592.50</b>	<b>467.0</b>	<b>\$ 48,202.60</b>	<b>24.0</b>	<b>\$ 2,400.00</b>	<b>97.0</b>	<b>\$ 9,700.00</b>	<b>588.0</b>	<b>\$ 60,302.60</b>
Revise Lighting Layout									171.0	\$ 17,971.98	16.0	\$ 1,600.00	0.0	\$ -	187.0	\$ 19,571.98
New Closet Layouts									92.0	\$ 9,310.70	8.0	\$ 800.00	97.0	\$ 9,700.00	197.0	\$ 19,810.70
Lighting Fixture Pre Bid																
Mock Ups									62.0	\$ 7,321.02	0.0	\$ -	0.0	\$ -	62.0	\$ 7,321.02
Revise Double Ended																
Switchgear Conductors									46.0	\$ 4,855.06	0.0	\$ -	0.0	\$ -	46.0	\$ 4,855.06
Update Low Voltage Location									32.0	\$ 2,891.28	0.0	\$ -	0.0	\$ -	32.0	\$ 2,891.28
FAA Submittals									64.0	\$ 5,852.56	0.0	\$ -	0.0	\$ -	64.0	\$ 5,852.56
<b>TOTAL</b>	<b>467.0</b>	<b>\$ 48,202.60</b>	<b>24.0</b>	<b>\$ 2,400.00</b>	<b>97.0</b>	<b>\$ 9,700.00</b>	<b>24.0</b>	<b>\$ 2,400.00</b>	<b>588.0</b>	<b>\$ 60,302.60</b>	<b>24.0</b>	<b>\$ 2,400.00</b>	<b>97.0</b>	<b>\$ 9,700.00</b>	<b>588.0</b>	<b>\$ 60,302.60</b>

Note: Schematic phase complete with the last phase of work.





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tdn@leedyetzold.om

May 7, 2015

Milwaukee County Department of Transportation  
Airport Engineers Office  
General Mitchell International Airport  
5300 South Howell Avenue  
Milwaukee, WI 53207-6189

Attention: Mr. Timothy Kipp, P.E.  
Project Manager

Subject: ***Revised Construction Administration Services  
GMIA - Parking Structure  
Project No. A096-10012***

Dear Mr. Kipp:

We respectfully request a change order to our contract for the electrical consultant fees associated with the Construction Administration Services for the above project.

As we understand the project requirements, we are now in the process of performing the following construction administration services as identified in our April 8, 2015 meeting, "Provide Bidding and Construction Administration services for the components of the project included in the Design Services shall be provided in cooperation with a Construction Management team that may either consist of DPW personnel or a consultant under separate agreement with the Owner.

- The consultant shall conduct a pre-bid conference and prepare meeting minutes.
- The consultant shall coordinate with GMIA for the advertisement for bids.
- Prepare required Addenda in response to bidders' technical questions.
- Review bids received and make recommendation to award contract.
- Review contractor submittals, VE proposals, process RFI's and assist the construction manager with preparation of change orders as required.
- Participate in site visits, construction meetings, and substantial and final completion inspections,"

And as further enumerated here within;

Bid/Award Phase:

1. Interpret Contract Documents during the bidding period and prepare addenda as required.
2. Interpret bids received, make recommendations, if requested, as to award and generally assist in the award of contract, except excluding redesign, revision to the technical Contract Documents and/or extensive negotiations with bidders to adjust scope and construction cost.

Construction Phase:

During this Phase the Engineer will assist GMIA Engineering and endeavor to review construction work in progress to verify conformance with the technical Contract Documents.

1. The Engineer shall process contractor submittals responsive to provisions of the Contract Documents and thereafter, upon request, shall interpret the Contract Documents for the Prime Design Professional.
2. Site Visits:
  - A. Engineer shall conduct an initial project Contract Document review with the contractor.
  - B. Conduct monthly interim site observations visit during construction and note any work not in compliance with the intent of the Construction Documents.
  - C. Conduct one (1) final site observation visit upon substantial completion of the work to prepare punch-list field observation report identifying work incomplete and to outline deficiencies of work in place.

Based on the foregoing, we request an additional lump sum fee increase of **Nineteen Thousand Three Hundred Twelve Dollars and Fourteen Cents (\$19,752.14)** to our original Master Plan Report and Design Contract, consistent with the fee structure identified in our June 15, 2011 proposal,

“Bidding & Construction Administration Services

• Revise Lighting Layout	\$ 5,186.92
• New Closet Layouts	\$ 5,738.38
• Lighting Fixture Pre Bid Mockups	\$ 4,199.92
• Revise Double Ended Switchgear Conductors	<u>\$ 4,626.92</u>
	\$19,752.14

Included in this lump sum increase are the services of American Design, Inc. for construction administration associated with the substation room, in the additional amount of Three Thousand Dollars (\$3,000.00). This additional DBE amount maintains our 25% participation as indicated in our original proposal to meet Milwaukee County’s DBE goal.

Should you have any questions or reservations regarding the foregoing, please call for further discussion on the matter.

Very truly yours,

**LEEDY & PETZOLD ASSOCIATES, LLC**  
Electrical Engineers

  
Todd D. Neerhof

TDN:cb

Enclosures: Fee Proposal Spreadsheet  
MC - 014PS

**LEEDY AND PETZOLD ASSOCIATES, LLC  
FEE PROPOSAL SPREADSHEET**

Date: May 7, 2015

Milwaukee County Project No. A096-10012

Project: GMIA Parking Structure CA Services, and Service Panel Design Services

CLASSIFICATION	Principal		Associate		Technician		Admin. Asst.		LPA		DBE Sub-Consultant		Total Billing Cost	
	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
LABOR RATES														
OVERHEAD FACTOR														
BILLING RATES		\$140.00		\$128.21		\$52.50		\$66.50				\$110.00		
<b>TASK</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>	<b>Hours</b>	<b>Dollars</b>
<b>CONSTRUCTION ADMIN.</b>														
Revise Lighting Layout	8.0	\$ 1,120.00	24.0	\$ 3,076.92		\$ -		\$ -	32.0	\$ 4,196.92	9.0	\$ 990.00	41.0	\$ 5,186.92
New Closet Layouts		\$ -	36.0	\$ 4,615.38		\$ -	2.0	\$ 133.00	38.0	\$ 4,748.38	9.0	\$ 990.00	47.0	\$ 5,738.38
Lighting Fixture Pre Bid		\$ -												
Mock Ups		\$ -	24.0	\$ 3,076.92		\$ -	2.0	\$ 133.00	26.0	\$ 3,209.92	9.0	\$ 990.00	35.0	\$ 4,199.92
Revise Double Ended		\$ -												
Switchgear Conductors	4.0	\$ 560.00	24.0	\$ 3,076.92		\$ -		\$ -	28.0	\$ 3,636.92	9.0	\$ 990.00	37.0	\$ 4,626.92
Update Low Voltage		\$ -				\$ -		\$ -						
Location		\$ -				\$ -		\$ -						
FAA Submittals		\$ -				\$ -		\$ -	0.0	\$ -				
<b>TOTAL</b>	<b>12.0</b>	<b>\$ 1,680.00</b>	<b>108.0</b>	<b>\$ 13,846.14</b>	<b>0.0</b>	<b>\$ -</b>	<b>4.0</b>	<b>\$ 266.00</b>	<b>124.0</b>	<b>\$ 15,792.14</b>	<b>36.0</b>	<b>\$ 3,960.00</b>	<b>160.0</b>	<b>\$ 19,752.14</b>