



# City of Las Cruces®

PEOPLE HELPING PEOPLE

## Council Action and Executive Summary

Item # 3Ordinance/Resolution# 17-013For Meeting of \_\_\_\_\_  
(Ordinance First Reading Date)For Meeting of August 1, 2016  
(Adoption Date)

Please check box that applies to this item:

 QUASI JUDICIAL LEGISLATIVE ADMINISTRATIVE

**TITLE:** A RESOLUTION APPROVING A ROADWAY LIGHTING MAINTENANCE AGREEMENT BETWEEN THE CITY OF LAS CRUCES AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TO PROVIDE FOR THE MAINTENANCE OF ROADWAY LIGHTING ON INTERSTATE 10 OVER UNION AVENUE AND INTERSTATE 10 OVER RAMP E, NMDOT CONTROL NO. 1100830.

### PURPOSE(S) OF ACTION:

Approve agreement.

<b>COUNCIL DISTRICT: 2</b>		
<b><u>Drafter/Staff Contact:</u></b> SooGyu Lee, P.E.	<b><u>Department/Section:</u></b> Transportation / Street and Traffic Operations	<b><u>Phone:</u></b> 541-2566
<b><u>City Manager Signature:</u></b>		

### BACKGROUND / KEY ISSUES / CONTRIBUTING FACTORS:

The New Mexico Department of Transportation (NMDOT) is constructing a project (Control No.1100830) that includes the installation of roadway lighting on Interstate 10 over Union Avenue and on Interstate 10 over Ramp E. The lighting project is scheduled to be completed in Summer 2016.

Pursuant to the Roadway Lighting Maintenance Agreement, attached hereto as Exhibit "A", NMDOT will provide for the design and construction of the roadway lighting at the aforementioned locations. This agreement is for the maintenance of those street lights by City forces to include routine maintenance, replacement of material and power costs. The estimated annual maintenance and power cost will be approximately \$4,000.00 which would be approximately 25% power costs and 75% material costs.

No prior written maintenance agreement between the City and the NMDOT was in place for the maintenance of lighting under NMDOT jurisdiction at this location. Therefore, the NMDOT requests that the City enter into the attached maintenance agreement to facilitate the future upkeep of the roadway lighting systems upon final acceptance of the project.

(Continue on additional sheets as required)

**SUPPORT INFORMATION:**

1. Resolution.
2. Exhibit "A", Roadway Lighting Maintenance Agreement.
3. Attachment "A", Location Map

**SOURCE OF FUNDING:**

<b>Is this action already budgeted?</b>	Yes	<input checked="" type="checkbox"/>	See fund summary below
	No	<input type="checkbox"/>	If No, then check one below:
	<i>Budget Adjustment Attached</i>	<input type="checkbox"/>	Expense reallocated from: _____
	<input type="checkbox"/>	Proposed funding is from a new revenue source (i.e. grant; see details below)	
<input type="checkbox"/>	Proposed funding is from fund balance in the _____ Fund.		
<b>Does this action create any revenue?</b>	Yes	<input type="checkbox"/>	Funds will be deposited into this fund: _____ in the amount of \$ _____ for FY__.
	No	<input checked="" type="checkbox"/>	There is no new revenue generated by this action.

**BUDGET NARRATIVE**

Estimated annual maintenance and power cost for the lighting systems will be approximately \$4,000.00 and will be taken from the General Fund street lighting operating budget.

**FUND EXPENDITURE SUMMARY:**

Fund Name(s)	Account Number(s)	Expenditure Proposed	Available Budgeted Funds in Current FY	Remaining Funds	Purpose for Remaining Funds
General	15110002-711000	\$1,000.00	\$1,125,000.00	\$1,124,000.00	Electricity for street lighting
General	15110002-701000	\$3,000.00	\$189,000.00	\$186,000.00	Street lighting operational expenditures

**OPTIONS / ALTERNATIVES:**

1. Vote "Yes"; this action approves the resolution and authorizes the City to accept maintenance responsibilities of the roadway lighting systems, as specified in the Roadway Lighting Maintenance Agreement, once it is accepted by both NMDOT and City entities.
2. Vote "No"; this action denies the resolution and will not authorize the City to accept maintenance responsibilities of the roadway lighting systems, which will place

(Continue on additional sheets as required)

maintenance responsibilities back upon the NMDOT office headquartered out of Santa Fe, NM for the roadway lighting systems and NMDOT jurisdiction. Local traffic conditions may be adversely affected by the longer response time by NMDOT crews to any issues related to the roadway lighting systems under NMDOT jurisdiction.

3. Vote to "Amend"; this action could approve the agreement with adjustments to conditions or other changes as requested by City Council.
4. Vote to "Table"; this would allow City Council to postpone consideration of the resolution to approve the agreement and direct staff accordingly.

**REFERENCE INFORMATION:**

The resolution(s) and/or ordinance(s) listed below are only for reference and are not included as attachments or exhibits.

N/A



# City of Las Cruces<sup>®</sup>

PEOPLE HELPING PEOPLE

## COUNCIL ACTION AND EXECUTIVE SUMMARY PACKET ROUTING SLIP

For Meeting of \_\_\_\_\_  
 (Ordinance First Reading Date)

For Meeting of August 1, 2016  
 (Adoption Date)

**TITLE:** A RESOLUTION APPROVING A ROADWAY LIGHTING MAINTENANCE AGREEMENT BETWEEN THE CITY OF LAS CRUCES AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TO PROVIDE FOR THE MAINTENANCE OF ROADWAY LIGHTING ON INTERSTATE 10 OVER UNION AVENUE AND INTERSTATE 10 OVER RAMP E, NMDOT CONTROL NO. 1100830.

Purchasing Manager's Request to Contract (PMRC) {Required?}    Yes     No

DEPARTMENT	SIGNATURE	PHONE NO.	DATE
Drafter/Staff Contact		541-2566	6/28/16
Department Director		541-2048	6-30-16
Other			
Assistant City Manager /CAO Management & Budget Manager		541-2078 541-2300	7-6-2016 7.1.2016
Assistant City Manager/COO		541-2107	7-11-16
City Attorney		541-2128	12 July 2016
City Clerk		541-2115	7-22-16

**RESOLUTION NO. 17-013**

**A RESOLUTION APPROVING A ROADWAY LIGHTING MAINTENANCE AGREEMENT BETWEEN THE CITY OF LAS CRUCES AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION TO PROVIDE FOR THE MAINTENANCE OF ROADWAY LIGHTING ON INTERSTATE 10 OVER UNION AVENUE AND INTERSTATE 10 OVER RAMP E, NMDOT CONTROL NO. 1100830.**

The City Council of the City of Las Cruces is informed that:

**WHEREAS**, the New Mexico Department of Transportation (NMDOT) is constructing a project (Control No.1100830) that includes the installation of roadway lighting on Interstate 10 over Union Avenue and on Interstate 10 over Ramp E; and

**WHEREAS**, this entails the installation of all equipment and materials for fully operational roadway lighting systems on Interstate 10 over Union Avenue and on Interstate 10 over Ramp E; and

**WHEREAS**, the estimated annual maintenance costs will be in the range of \$4,000.00 which would be approximately 25% power costs and 75% materials costs; and

**WHEREAS**, the parties want to set forth their responsibilities on installation, operation and maintenance of the roadway lighting systems; and

**WHEREAS**, the roadway lighting systems are being installed primarily to promote traffic safety.

**NOW, THEREFORE**, Be it resolved by the governing body of the City of Las Cruces:

**(I)**

**THAT** the City Manager is hereby authorized to enter into a roadway lighting maintenance agreement to maintain the roadway lighting systems on Interstate 10 over Union Avenue and on Interstate 10 over Ramp E, with the NMDOT, attached hereto as Exhibit "A", and made a part of this resolution.

(II)

THAT City staff is hereby authorized to do all deeds necessary in the accomplishment of the herein above.

DONE AND APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

APPROVED:

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

(SEAL)

VOTE:

Mayor Miyagishima:	_____
Councillor Gandara:	_____
Councillor Smith:	_____
Councillor Pedroza:	_____
Councillor Eakman:	_____
Councillor Sorg:	_____
Councillor Levatino:	_____

Moved by: \_\_\_\_\_

Seconded by: \_\_\_\_\_

APPROVED AS TO FORM:

  
\_\_\_\_\_  
City Attorney

## DRAFT ONLY

Contract No.: \_\_\_\_\_  
 Vendor No.: \_\_\_\_\_

## MAINTENANCE AGREEMENT

## ROADWAY LIGHTING

**This Agreement** is between the **NEW MEXICO DEPARTMENT OF TRANSPORTATION** ("Department"), and the **CITY OF LAS CRUCES**, ("Public Entity"). This Agreement is effective as of the date of the last party to sign it on the signature page below.

## RECITALS

**Whereas**, the Department contemplates the construction of a highway project within the boundaries of the Public Entity, identified as I-10 over Union Ave. and I-10 over Ramp E, PN: 1100830, CN: 1100830 ("Project"); and,

**Whereas**, the Department and Public Entity agree with the need for installation of roadway lighting at the following location: I-10 over Union Ave. and I-10 over Ramp E.

**Whereas**, the installation of the roadway lighting will promote traffic safety; and,

**Whereas**, the parties want to set forth their responsibilities on operation and maintenance of the roadway lighting.

**Now therefore**, pursuant to NMSA 1978, Section 67-3-28, the parties agree as follows:

**1. The Department Shall:**

- a. Provide the necessary plans, designs and estimates and other documents required for the construction of the Project and cause the Project to be constructed in the manner provided by law.
- b. Determine the design, provide and install new roadway lighting equipment with cabinet, concrete foundations, poles, luminaires, underground conduit, and conductor for complete roadway lighting.
- c. Provide and install approximately 19 LED luminaires on 19 – 40 ft. type V standards on I-10 (or from mile post 141.5 to mile post 142.5), for a fully operational lighting system (Design shown in Appendix A).

**2. The Public Entity Shall:**

After the lighting system has been constructed, provide at its own expense all electrical energy, routine maintenance such as luminaire replacement; and in case of accidental damage or vandalism to poles or fixtures, conduits and wiring replace them with in kind or approved equal for continued satisfactory operation of said roadway lighting system.

**3. Term.**

This Agreement becomes effective upon signature of all parties. The effective date is the date when the last party signed the Agreement on the signature page below.

**4. Third Party Beneficiaries.**

It is not intended by any of the provisions of any part of this Agreement to create in the public or any member thereof a third party beneficiary or to authorize anyone not a party to the Agreement to maintain a suit(s) for wrongful death(s), bodily and/or personal injury(ies) to person(s), damage(s) to property(ies), and/or any other claim(s) whatsoever pursuant to the provisions of this Agreement.

**5. New Mexico Tort Claims Act.**

As between the Department and Public Entity, neither party shall be responsible for liability incurred as a result of the other party's acts or omissions in connection with this Agreement. Any liability incurred in connection with this Agreement is subject to the immunities and limitations of the New Mexico Tort Claims Act, NMSA 1978, Section 41-4-1, *et seq.* This paragraph is intended only to define the liabilities between the parties and it is not intended to modify, in any way, the parties' liabilities as governed by common law or the New Mexico Tort Claims Act.

**6. Scope of Agreement.**

This Agreement incorporates all the agreements, covenants, and understandings between the parties concerning the subject matter. All such covenants, agreements, and understandings have been merged into this written Agreement. No prior Agreement or understandings, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

**7. Terms of this Agreement.**

The terms of this Agreement are lawful; performance of all duties and obligations shall conform with and do not contravene any state, local, or federal statutes, regulations, rules, or ordinances.

**8. Equal Opportunity Compliance.**

The parties agree to abide by all federal and state laws and rules and regulations, and executive orders of the Governor of the State of New Mexico, pertaining to equal employment opportunity. In accordance with all such laws and rules and regulations, and executive orders of the Governor of the State of New Mexico, the parties agree to assure that no person in the United States shall, on the grounds of race, color, national origin, ancestry, sex, sexual preference, age or handicap, be excluded from employment with, or participation in, any program or activity performed under this Agreement. If the parties are found to not be in compliance with these requirements during the term of this Agreement, the parties agree to take appropriate steps to correct these deficiencies.

**9. Appropriations and Authorizations of State and Federal Funds.**

Construction of this Project is contingent upon sufficient appropriations and authorizations being made by the Legislature of New Mexico or the Congress of the United States. If sufficient appropriations and authorizations are not made by the Legislature or the Congress of the United States to the Department, this maintenance agreement shall terminate upon written notice being given by the Department to the City. The Department is expressly not committed to expenditure of any funds for this Project until such time as they are programmed, budgeted, encumbered, and approved for expenditure by the Department.

**10. Severability.**

In the event that any portion of this Agreement is determined to be void, unconstitutional or otherwise unenforceable, the remainder of this Agreement shall remain in full force and effect.

**11. Public Entity Sole Jurisdiction.**

The Department is not incorporating this Project into the State Highway System, nor is the Department assuming maintenance responsibility or liability for the Project.

**12. Project Responsibility.**

Design, construction and installation of this Project are the Department's sole responsibility and nothing is intended to give the Department any responsibility for future maintenance of the Project or related road improvements within the Public Entity's road system.

**13. Contingent on Project Being Let.**

In the event that the Project is not let for any reason, this Agreement shall become null and void and shall create no obligation on any of the parties.

**14. Applicable Law.**

The laws of the State of New Mexico shall govern this Agreement, without giving effect to its choice of law provisions. Venue shall be proper only in a New Mexico court of competent jurisdiction in accordance with NMSA 1978, Section 38-3-1(G).

**15. Amendment**

This Agreement shall not be altered, modified, or amended except by an instrument in writing and executed by the parties.

In witness whereof, each party is signing this Agreement on the date stated opposite that party's signature.

**NEW MEXICO DEPARTMENT OF TRANSPORTATION**

By: \_\_\_\_\_  
Cabinet Secretary or Designee

Date: \_\_\_\_\_

Recommended by:

By: \_\_\_\_\_  
State Traffic Engineer

Date: \_\_\_\_\_

By: \_\_\_\_\_  
District Engineer

Date: \_\_\_\_\_

Approved as to form and legal sufficiency by the New Mexico Department of Transportation's Office of General Counsel

By: Cynthia A. Christ  
Assistant General Counsel

Date: 7-6-15

**City of Las Cruces**

By: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Attest: \_\_\_\_\_

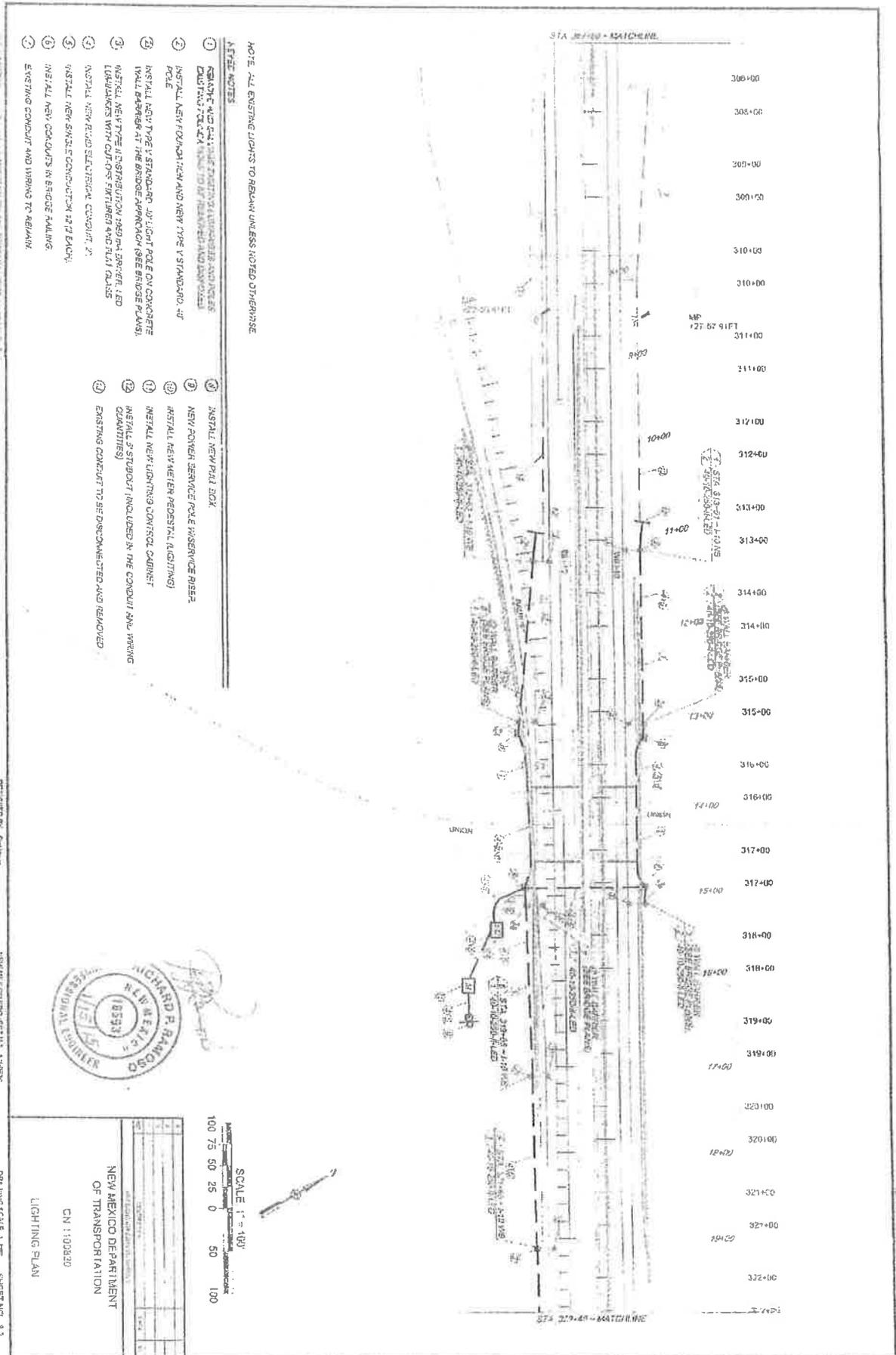
APPROVED AS TO FORM:

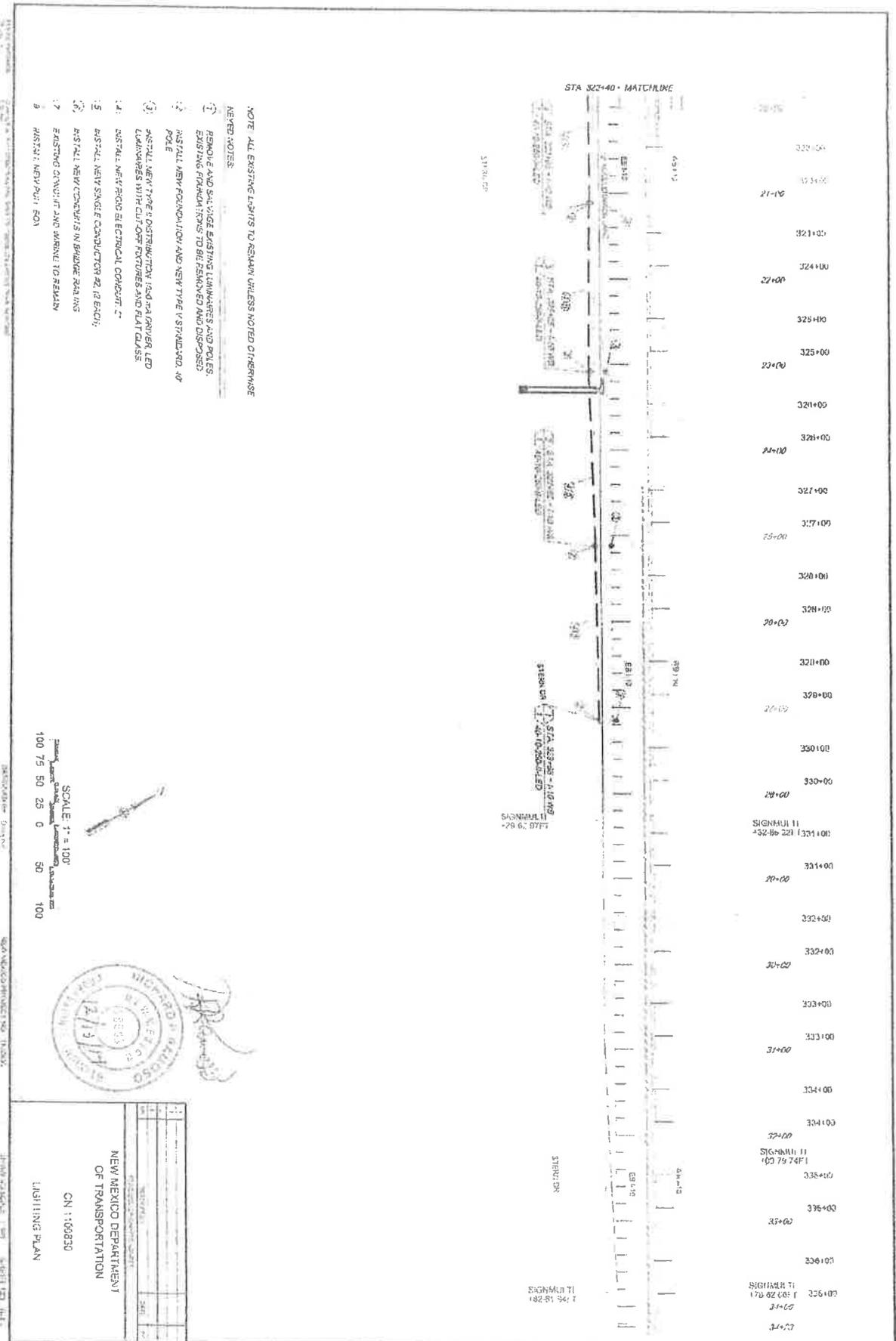
[Signature]  
City Attorney

# Appendix A









- NOTE: ALL EXISTING LIGHTS TO REMAIN UNLESS NOTED OTHERWISE
- NEW NOTES:
1. REMOVE AND SAVE EXISTING LUMINAIRES AND POLES. EXISTING FOUNDATIONS TO BE REMOVED AND DISPOSED.
  2. INSTALL NEW FOUNDATION AND NEW TYPE V STANDARD 40' POLE.
  3. INSTALL NEW TYPE V DISTRIBUTION AND SUPPORTER LED LUMINAIRES WITH CUT-OFF EXTURERS AND FLAT GLASS.
  4. INSTALL NEW RIGID ELECTRICAL CONDUIT 2"
  5. INSTALL NEW SINGLE CONDUCTOR 20.0 EACH.
  6. INSTALL NEW CONCRETS IN BRIDGE RAFTERS.
  7. EXISTING CONDUIT AND WIRING TO REMAIN.
  8. MAST: NEW POLE 40'

SCALE: 1" = 100'

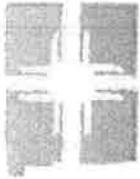
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NEW MEXICO DEPARTMENT OF TRANSPORTATION	
CN 1159830	
LIGHTING PLAN	
DATE	
BY	
CHECKED	
APPROVED	

Google Maps





AUG 13 2015

*Rodriguez*

August 7, 2015

Willie Roman, P.E., PTOE  
Administrator  
Street & Traffic Operations  
City of Las Cruces  
700 North Main  
Las Cruces, NM 88001

**Subject: Signal and Intersection Maintenance Agreement**

**Project: 1100830 CN: 1100830**

Dear Mr. Roman:

Enclosed for approval and signature are three original Maintenance Agreement Signal and Intersection Lighting for the above referenced project. The agreement describes the responsibilities of the Public Entity and of the Department for this project.

Once the agreements have the appropriate signatures, please return them to us for further processing. Agreements should be mailed to NMDOT, Attention: Yvette Gonzales, Room 207, P.O. Box 1149, Santa Fe, New Mexico 87504. After the agreements have been fully executed, an original will be sent to you for your files.

We appreciate your cooperation and support concerning this project. If you have any questions, please contact me at 827-5484.

Sincerely,

*Afshin Jian*

Afshin Jian  
State Traffic Engineer

AJ:yhg

**Susana Martinez**  
Governor

**Tom Church**  
Cabinet Secretary, Designate

Commissioners

**Pete K. Rahn**  
Chairman  
District 3

**Ronald Schmeits**  
Vice Chairman  
District 4

**Dr. Kenneth White**  
Secretary  
District 1

**Robert R. Wallach**  
Commissioner  
District 2

**Butch Mathews**  
Commissioner  
District 5

**Jackson Gibson**  
Commissioner  
District 6

Contract No.: \_\_\_\_\_

Vendor No.: \_\_\_\_\_

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**NEW MEXICO DEPARTMENT OF TRANSPORTATION**

By: \_\_\_\_\_  
Cabinet Secretary or Designee

Date: \_\_\_\_\_

Recommended by:

By: \_\_\_\_\_  
State Traffic Engineer

Date: \_\_\_\_\_

By: \_\_\_\_\_  
District Engineer

Date: \_\_\_\_\_

Approved as to form and legal sufficiency by the New Mexico Department of Transportation's Office of General Counsel

By: Cynthia A. Chert  
Assistant General Counsel

Date: 7-6-15

**City of Las Cruces**

By: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Attest: \_\_\_\_\_

APPROVED AS TO FORM:

[Signature]  
City Attorney

# Appendix A

**LIGHTING NOTES:**

1. CONTRACTOR SHALL CONTACT WARD PRODUCT EVALUATION COMMITTEE FOR APPROVED PRODUCT LIGHTING FOR ROADWAY LIGHTING COMPONENTS
2. LOCATION OF CONDUIT POLYMERIZES, PULL BOXES AND CABINETS SHOWN ON THE PLANS ARE SCHEDULED AND SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE AND TO MAINTAIN CLEAR SPACE AVAILABLE FOR PREDICTORS AND VEHICLES TO COMPLY WITH THE AGREEMENT WITH REGULATORY AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPOSED LOCATION IN THE FIELD AT ALL LOCATIONS. TO BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
3. LIGHT STANDARDS ON THE BRIDGE SHALL HAVE DIRECT ANCHOR BASE SYSTEMS (NON-BENEFICIARY). ALL OTHER STANDARDS NOT ON THE BRIDGE SHALL BE BENEFICIARY. BRIDGEMOUNTAIN SYSTEMS WILL BE CONSIDERED INCIDENTAL TO THE LIGHTING STANDARD.
4. ALL LIGHTING ROADWAY LIGHTING SHALL BE INSTALLED ON THE BRIDGE AS DIRECTED BY PROJECT MANAGER.
5. CONTRACTOR SHALL REMOVE EXISTING CONDUITS AND PULL BOXES ON THE BRIDGE AS DIRECTED BY PROJECT MANAGER.
6. REMOVAL OF EXISTING LUMINAIRE'S TO REMAIN TO BE RECORDED AND RECT. AND CONNECTIONS TO NEW CIRCUITS SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT.
7. EACH CIRCUIT FOR ROADWAY LIGHTING SHALL BE INSTALLED IN SEPARATE CONDUITS UNLESS APPROVED OTHERWISE.
8. ALL ROADWAY LUMINAIRE'S AND Poles SHALL BE TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO OFFICE LAD OFFICES BY THE CONTRACTOR. THE COST SHALL BE PAID FOR UNDER ITEM NO 10100, REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
9. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL CORRESPOND WITH THE FOLLOWING REPRESENTATIVES:
  - 11. PASO ELECTRIC COMPANY
  - 12. PASO ELECTRIC COMPANY
  - 13. PASO ELECTRIC COMPANY
  - 14. PASO ELECTRIC COMPANY
10. POWER SHALL BE TURNED ON OR OFF BY THE RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
11. RESPONSIBILITY AND MAINTENANCE OF LIGHTING SYSTEMS INSTALLED AS PART OF THIS PROJECT SHALL BE AS FOLLOWS:
  - A. ROADWAY LIGHTING SYSTEM LIGHTING SHALL BE ACCEPTED AND MAINTAINED BY CITY OF LAS VEGAS AND THE PASO ELECTRIC COMPANY. THE CONTRACTOR SHALL PROVIDE THE CITY OF LAS VEGAS AND THE PASO ELECTRIC COMPANY WITH THE NECESSARY INFORMATION IN ADVANCE OF TURNING ON THE SYSTEM TO ALLOW THE CITY OF LAS VEGAS AND PASO ELECTRIC COMPANY TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON.
12. THE CONTRACTOR SHALL PAY FOR THE COSTS OF TURNING OFF AND ON THE POWER SERVICE. THESE COSTS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
13. NEW LIGHTING CONTROL CABINET SHALL INCLUDE PHOTO ELECTRIC CELLS. EXISTING CABINET WITH PHOTO ELECTRIC CELLS TO REMAIN.
14. THE CONTRACTOR SHALL PURCHASE AND INSTALL TYPE II DISTRIBUTION, 216 VOLT AMERICAN ELECTRIC LED LUMINAIRE (A19) 60 LED SERIES OR APPROVED EQUAL TO COMPLY WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT. LUMINAIRE'S SHALL HAVE THE FOLLOWING SPECIFICATIONS:
  - A. CORRELATED COLOR TEMPERATURE: MIN. 3000 K TO 5000 K
  - B. LED LIFE: 100,000 HOURS @ 25.0% CRI BETTER
  - C. CREEK LIFE: 100,000 HOURS @ 25.0% CRI BETTER
  - D. MINIMUM BEVERAGE LUMENS OF 16,500 AND EFFICIENCY (LPM) OF 80. OR BETTER.
15. DOCUMENT LIGHTING SUPPLIER SHALL SUBMIT PHOTOGRAMMETRIC ANALYSIS CORRELATED WITH PLANS TO LIGHTING DESIGN AND ANALYSIS.
16. THE CONTRACTOR SHALL APPROVE A NIGHT INSPECTION OF THE LIGHTING SYSTEM WITH THE PROJECT MANAGER CITY OF LAS VEGAS AND PASO ELECTRIC. TO ENSURE COMPLIANCE WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT AND PROTECT LEVELING OF LUMINAIRE HEADS
17. LIGHTING CONTROL CABINET SHALL BE OF THE FOLLOWING TYPE:
  - A. NEW 6 CIRCUIT 12" X 18" X 4" (R) AT THE INTERSECTION OF LINCOLN AVENUE & STEIN DRIVE
  - B. EXISTING CABINET AT UNIVERSITY AVENUE SHALL REMAIN
18. THE CONTRACTOR SHALL REMOVE EXISTING SERVICE RISER, SERVICE Poles, CONTROL CABINETS AND EXISTING WIRING AS REQUIRED BY THE PASO ELECTRIC COMPANY AND AS DIRECTED BY THE PROJECT MANAGER.
19. SEE STANDARD DRAWING 7105-01 BY FOR ELECTRICAL PULL BOX DETAILS.

**LIGHTING LEGEND:**

20. EL PASO ELECTRIC COMPANY WILL ASSIST WITH IDENTIFICATION OF EXISTING CIRCUITS. CONSTRUCTION SHALL BE REQUIRED TO THE NEW CIRCUITS AND EXISTING CIRCUITS. CONTRACTOR SHALL USE APPROPRIATE CAUTION WHEN IDENTIFYING EXISTING CIRCUITS.
21. SEE BRIDGE PLANS FOR CONDUITS ON BRIDGE.
22. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN VERTICAL CLEARANCE AND HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. EL PASO ELECTRIC COMPANY WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
23. LIGHTING SHALL BE COMPATIBLE WITH CONSTRUCTION PHASES. REFER TO THE TRAFFIC CONTROL PLAN AND BRIDGE SHEETS. NEW LAMPING SHALL BE OPERATIONAL PRIOR TO OPENING THE ROADWAY TO TRAFFIC.
24. ALL CONDUITS INSTALLED IN A TRENCH SHALL BE A MINIMUM OF 3" DEPT AND FLAGGED WITH CAUTION TAPE ONE FOOT ABOVE THE CONDUIT.
25. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER AND PROVIDE THE PROJECT MANAGER WITH A SET OF SERVED AND SEALED AS BUILT DRAWINGS OF THE STREET LIGHTING.
26. CONSTRUCTION SHALL BE ALL CONDUIT INSTALLATIONS UNLESS OTHERWISE DIRECTED BY PROJECT MANAGER OR AS INDICATED ON PLANS.
27. CLASS "B" CONDUIT SHALL BE USED FOR DRILLED SHAFTS. DO NOT USE CLASS "A" CONDUIT IN UNDESIGNATED SERIAL DRAWING TOLERANCE AND TOLERANCE FOR DRILLED SHAFT.
28. THE FOLLOWING CLEAR DISTANCES SHALL BE PROVIDED BETWEEN LIGHT Poles AND BARRIERS:
  - A) LIGHT Poles SHALL BE PLACED 2' OF CLEAR BEHIND ROAD BARRIERS (WALL BARRIERS) FROM THE BARRIER.
  - B) LIGHT Poles SHALL BE PLACED 4'-0" CLEAR BEHIND THE POST OR SEMI-FLEXIBLE BARRIERS FROM THE BARRIER.
  - C) LIGHT Poles SHALL BE PLACED 8'-0" CLEAR BEHIND FLEXIBLE BARRIERS (OVERHEAD BARRIERS).

**LIST OF INCIDENTAL ITEMS:**

1. ANCHOR BOLTS AND ANY OTHER HARDWARE REQUIRED TO COMPLETE THE LIGHTING SYSTEM WHICH WERE NOT ON PLANS, AND NOT SPECIFICALLY LISTED.
2. REMOVAL OF ANY EXISTING LUMINAIRE'S TO BEHOLD OF BE RESET.
3. COSTS FOR LOCAL POWER COMPANY TO PROVIDE POWER SERVICE.
4. TROUBLESHOOTING EXISTING CIRCUIT AND LUMINAIRE'S.
5. NYLON PULL ROPES.
6. ALL ITEMS CALLED OUT AS INCIDENTAL ON INNOVATION STANDARD SHEETS AND SPECIFICATIONS.

**LIGHTING QUANTITIES (ESTIMATED)**

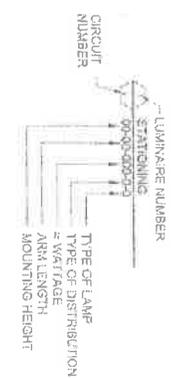
NUMBER	ITEM	UNIT	TOTAL
51000	DRILLED SHAFT FOUNDATION BY 24"	LN FT	22
51000	REINFORCING BARS CONCRETE	LN FT	102
70000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	EA	1
70000	CONCRETE FOR SYSTEM START-UP COURSE	LN FT	1
71000	6" METAL FIBERGLASS LIGHTING	LN FT	1
71000	CONCRETE FOR FOUNDATION	LN FT	1
71000	CONCRETE CONTROL CABINET - 6 CIRCUIT	EA	1
71000	TYPE II STANDARD W/	LN FT	10
71000	RISER ELECTRICAL CONDUIT 2"	LN FT	300
71000	ELECTRICAL PULL BOX STANDARD	EA	11
71100	SINGLE CONDUCTOR 2"	LN FT	300
71200	LUMINAIRE TYPE B	EA	19

1. ALL LIGHTING QUANTITIES LISTED IN THIS TABLE ARE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL VERIFY THE QUANTITIES AND MAKE ANY NECESSARY ADJUSTMENTS TO THE QUANTITIES LISTED IN THIS TABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LAS VEGAS AND PASO ELECTRIC COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LAS VEGAS AND PASO ELECTRIC COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LAS VEGAS AND PASO ELECTRIC COMPANY.

**DESIGN CRITERIA:**  
 LIGHTING DESIGN SHALL BE IN ACCORDANCE WITH 2005 ILLINOIS ILLINOIS ROADWAY LIGHTING DESIGN GUIDE, AMENDED 2010 AND ANY OTHER STANDARD PRACTICE FOR ROADWAY LIGHTING.

**REQUIRED STANDARD DRAWINGS:**

- ROADWAY LIGHTING ELECTRICAL SERVICE DESIGN 704-02-11
- ROADWAY LIGHTING TYPE "A" STANDARD 701-07-111
- ROADWAY LIGHTING SUPPORT STRUCTURES 701-07-241
- ROADWAY LIGHTING AND DIMENSION 701-07-241
- ROADWAY LIGHTING SUPPORT STRUCTURES 701-07-241
- TYPE "A" DIMENSION DETAILS 701-07-241
- ROADWAY LIGHTING SUPPORT STRUCTURES 701-07-241
- TYPE "A" BASE PLATE & ANCHOR BOLT DETAILS 7105-01-511
- PULL BOX DETAILS 7105-01-511



NEW MEXICO DEPARTMENT OF TRANSPORTATION  
 LIGHTING NOTES & QUANTITIES





