



Department of Administrative Services

Purchasing and Contracts

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Sabra Smith Newby, Chief Administrative Officer
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CLARK COUNTY, NEVADA BID NO. 603680-15 TRAFFIC SIGNAL SYSTEM AT LAKE MEAD BOULEVARD AND SLOAN LANE

July 6, 2015

ADDENDUM NO. 2

INVITATION TO BID

1. The Bid Opening has been re-scheduled for **July 09, 2015 at 2:15:00 p.m.**

BID SCHEDULE

2. **Delete** the original Bid Form pages 4-1 through 4-5 and **Replace** with the attached revised Bid Form pages 4-1 through 4-5.

SPECIAL PROVISIONS

SECTION 104 – SCOPE OF THE WORK

3. **Replace** Subsection 104.04, MAINTENANCE OF TRAFFIC, (page 104-1 through 104-2) with the following:

Paragraph A of this subsection is changed to read as follows:

The Contractor shall maintain all school walk routes affected by construction on each school day for any school's walking attendance boundary within the project limits for the following time periods:

- From the thirty (30) minute period before through a minimum of five (5) minutes after each school day begins, and
- From a minimum of five (5) minutes before through thirty (30) minutes after each school day ends.

Contractor shall be responsible to verify the attendance boundary for the specific school from the Clark County School District website located at www.ccsd.net. Contractor shall be responsible to contact the specific school to determine the time school begins and ends.

Pedestrian access shall be maintained at all times. During construction of facilities that require sidewalk removal, contractor shall establish temporary walkways adjacent to or across construction activities that are in compliance with the American Disabilities Act of 1990 (ADA) and are such that normal pedestrian traffic is not impeded or endangered by vehicular traffic or the construction activities. Contractor shall prepare pedestrian detour plans, depicting Contractor's intended temporary walkways, for engineer's approval prior to removal of existing sidewalk.

Pedestrian crossings across Lake Mead Boulevard and Sloan Lane shall be maintained at all times. Contractor shall establish temporary crossings, within the limits of the intersection, that are in compliance with the American Disabilities Act of 1990 (ADA) and are such that normal pedestrian traffic is not impeded or endangered by vehicular traffic or the construction activities. Contractor shall prepare pedestrian detour plans, depicting Contractor's intended temporary walkways, for engineer's approval prior to removal of existing sidewalk.

The Contractor shall construct the required improvements in such a manner and sequence that:

- a. On Lake Mead Boulevard a minimum of four (4) through travel lanes (two (2) in each direction) shall be maintained, except for the following time period: Through travel lanes may be reduced to no less than two (2), 12-foot wide paved travel lanes (one (1) in each direction) from 9:00 P.M. to 5:30 A.M., Sunday night through Friday morning.
- b. On Sloan Lane a minimum of two (2) through travel lanes shall be maintained (one (1) in each direction) except for the following time period: Through travel lanes may be reduced to no less than one (1), 12-foot wide paved travel lane from 9:00 P.M. to 5:30 A.M., Sunday night through Friday morning.

At those locations where only one lane is left open while work is being performed, the Contractor shall provide sufficient flaggers whose sole duty is to direct traffic in accordance with the requirements of subsection 624.03.02.

The Contractor shall maintain all existing left turn lanes for all locations including left turns onto Toiyabe Street. The exclusive turn lanes shall be a minimum of 100 feet and shall be longer if so directed by the engineer. Exclusive turn lanes shall be a minimum of 10 feet wide and shall be maintained at all times. The Contractor shall maintain all existing emergency vehicle access at all times.

Continuous access across the construction zone shall be maintained at all publicly dedicated streets and at a minimum of one driveway to each developed parcel. The continuous accesses shall be paved wherever possible and, when not paved, shall be well compacted Type II gravel base. Access may be closed only when the paving operation is imminent and at the discretion of Engineer. Contractor shall be responsible for the notification of all property owners of all access closures affecting their property.

SECTION 107 – LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

4. **Replace** Subsection 107.23 Paragraph B, with the following:

Ten (10) working days after receiving the Notice of Award from Clark County Purchasing and Contracts Division, the Contractor shall prepare a draft public notification for approval by the Engineer that informs all property owners, residents and/or businesses within or adjacent to the project and also Bonnie Lane Senior Center located at 2047 North Bonnie Lane. The notification letter shall be distributed by the Contractor only after approval of the Engineer. The notification shall be an introductory letter, which shall contain information such as the scope of the project, and anticipated construction start date and sequence of work, and the Contractors contact information.

5. **Add** Subsection 107.26, NDOT RIGHT-OF-WAY OCCUPANCY TERM AND CONDITIONS, (page 107-10)

Lake Mead Boulevard is an NDOT maintained roadway, and as such certain conditions are required to be met during the performance of the work under this contract to satisfy the NDOT right-of-way occupancy permit. The Contractor shall comply with all terms and conditions of the NDOT permit, a copy of which is contained in the appendix.

SECTION 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

6. **Add** the following to subsection 202.05.01 PAYMENT (Page 202-4)

Pay Item:	Pay Unit:
1-INCH COLD PLANING	SY

SECTION 402(NDOT) – PLANTMIX BITUMINOUS SURFACE

7. **Delete** Section 402(NDOT) in its entirety (page 402(NDOT)-1).

SECTION 403(NDOT) – PLANTMIX BITUMINOUS OPEN-GRADED SURFACE

8. **Add** Section 403(NDOT) with the attached Section 403(NDOT) (page 403(NDOT)-1).

SECTION 405 – TACK COAT

9. **Replace** Section 405 in its entirety with the attached Section 405 (page 405-1).

SECTION 405(NDOT) – TACK COAT

10. **Add** Section 405(NDOT) with the attached Section 405(NDOT) (page 405(NDOT)-1).

SECTION 406 – PRIME COAT

11. **Add** Section 406(NDOT) with the attached Section 406(NDOT) (page 406(NDOT)-1).

SECTION 623 – TRAFFIC SIGNALS AND STREET LIGHTING

12. Subsection 623 G.02.02, PULL BOXES (page 623-1)

Add the following to this subsection:

Contractor may modify P-30 pull boxes for the installation of conduits as per RTC Std. Dwg. number(s) 763 and 764, as approved by the Engineer.

13. **Replace** Subsection 623 G.02.04, CONDUCTORS AND CABLE (page 623-1 through 623-2) with the following:

Replace the second sentence of paragraph A.4 with the following:

All traffic signal cable shall be 25-conductor, No. 14 AWG solid copper wire traffic signal cable.

Replace paragraph A.7.a in this subsection with the following:

Replace paragraph A.9.b with the following:

The insulation shall be 15 mils of orange PVC complying with UL83 with an overall jacket of clear nylon in accordance with ASTM D4066.

Add the following:

The induction loop wires shall be soldered and sealed to the loop lead-in wires.

14. Subsection 623 G.03.03, SCHEDULING OF WORK (page 623-2)

Replace the first paragraph of Paragraph G with the following:

The Contractor shall supply Traffic Jackets for signal head covers approved by the Maintaining Agency.

15. Subsection 623 G.03.08, WIRING AND CONDUIT (page 623-3)

Add the following as paragraph V:

All power lines (including Street Light and Traffic Signal conduit(s)) shall be encased in a minimum of six (6) inches of red concrete (3000 PSI minimum) extending a minimum of ten (10) feet on each side of the crossing from the outside diameter (in both directions) of the water transmission main. Fiber Optic conduits are not required to be encased. The cost of such shall be included in the lump sum price bid for Traffic Signal System at Lake Mead and Sloan.

16. **Replace** Subsection 623 G.03.09, ELECTRICAL SERVICES (page 623-3) with the following:

Delete Paragraph E in its entirety.

17. **Replace** Subsection 623 T.01.02, OWNER SUPPLIED MATERIALS (page 623-4) in its entirety with the following:

To expedite traffic signal construction, Clark County Public Works will supply the materials listed below for pick up and installation by Contractor.

The mast arms provided will not have tenons welded. Contractor shall be responsible for welding the Clark County-supplied tenons on the mast arms using hot-stick galvanized method.

Owner supplied materials for Traffic Signal Systems at Lake Mead and Sloan:

1. Four (4) XX-A poles
2. Two (2) 55' mast arms
3. One (1) 25' mast arm
4. One (1) 40' mast arm
5. One (1) County standard control cabinet fully loaded (FYA)
6. One (1) ATC model 980 traffic controller with latest Apogee Software
7. Two (2) M-4 traffic signal heads (FYA)
8. Eight (8) M-2 traffic signal heads with ball indications
9. Two (2) B-2T signal head assemblies
10. Two (2) B2-43 signal head assemblies (FYA)
11. Two (2) W-3T pedestrian head assemblies
12. Two (2) W-0T pedestrian head assemblies
13. Six (6) Polara pedestrian push button assemblies with signs and control module
14. One (1) Luminaire arm 15' straight
15. Six (6) Luminaire arm 15' standard
16. Ten (10) loose tenons
17. Anchor Bolts for all poles
18. Two (2) Video Cameras with equipment for Two (2) channels
19. One (1) Model 764 Opticom phase selector
20. Two (2) Model 722 Opticom detectors
21. One (1) County standard street light pole (single bolt simplex)
22. One (1) 8' (single bolt simplex) street light luminaire arm

Any materials **not** specifically called out in this list shall be the responsibility of the Contractor to supply and install. Contractor shall be responsible for picking up all County-supplied materials at Clark County Public Works Traffic Operations located at 5821 E. Flamingo Road, Las Vegas, Nevada between the hours of 6:00 a.m. and 1:00 p.m., Monday through Friday. Contractor shall also be responsible for safely storing all materials received from the County. Contractor shall, at his own expense, replace all materials that have been damaged or stolen once those materials have been issued to Contractor. These replacement materials shall be identical or superior to the materials furnished by the County as determined by the County. Contractor shall contact Traffic Operations a minimum of 48 hours in advance to arrange for pickup of County-supplied materials.

18. **Replace** Subsection 623 T.02.07, SYNCHRONIZING CLOCK (page 623-6) in its entirety with the following:

Contractor shall provide and install a highly accurate synchronizing clock that maintains time by referencing signals that are broadcast from Global Positioning System (GPS) satellites.

The timing device shall be compatible with the Naztec model 980 ATC signal controller (Naztec GPS Kit with Garmin GPS16x sensor, or approved equal by the Engineer). Contractor shall also provide and install all accessories and adapters as needed to provide a complete system.

19. **Replace** Subsection 623 T.03.02, ELECTRICAL TESTING (page 623-10) in its entirety with the following:

Replace paragraph A.3 with the following:

A megohm test shall be conducted on all single conductor, except ground wire, between a new service pedestal and transformer, and between service pedestal to controller cabinet. The insulation resistance shall not be less than 100 megohms when tested at 500 volts for 1 minute.

Detector loop continuity shall be tested using a loop amplifier.

20. Subsection 623 L.02.01, STREET LIGHT POLES AND ARMS (page 623-10)

Clarification only – no revision. Contractor shall refer to this paragraph for installation of street light poles as shown on sheet S-2 of the plans.

SECTION 627 – PERMANENT SIGNS

21. Subsection 627.03.03, INSTALLATION (page 627-1)

Add the following to Paragraph D:

Mast arm signs do not require the sign sticker.

APPENDIX

22. **Add** attached NDOT encroachment permit as appendix "A".

CONTRACT DRAWINGS L-2073

The following sheets are not being re-issued with this addendum. The Contractor shall make note of the following changes, which will be reflected in the "Issued for Construction" Plans.

23. Sheet No. G-2:

a) **Revise** CCWRD note one to say "No new sewer-at time of CCWRD signature".

24. Sheet No. G-3:

a) **Revised** County trench details see attached detail C & D.

b) **Revised** NDOT trench details see attached detail E & F.

c) **Added** SNWA clearance detail see attached detail G.

25. Sheet No. TY-1:

a) **Revised** trench section per NDOT T-30.1.2.1 to be 3' width to match revised NDOT trench details, see attached detail E & F.

b) **Revised** (2" mill and overlay with 2" plantmix bituminous asphalt) on typical sections and detail 2 to be replaced with (1" mill with overlay of 1" open grade).

c) Pavement section detail to be **Revised** to show 1" open grade over minimum 6" AC with a minimum 12" aggregate base

26. Sheet No. TY-2:

a) **Revised** trench section per NDOT T-30.1.2.1 to be 3' width to match revised NDOT trench details, see attached detail E & F.

b) **Revised** (2" mill and overlay with 2" plantmix bituminous asphalt) on typical sections and detail 2 to be replaced with (1" mill with overlay of 1" open grade).

27. Sheet No. RP-1:

a) **Added** CCWRD Inspection Notes: "CCWRD Inspection shall be contacted to schedule 24 hours in advance of performance of any of the work at (702) 668-8205"

b) **Added** label of existing sanitary sewer line "x10" SS, CCWRD #493" between Sta. LM 51+50 and 52+00.

c) **Added** CCWRD signature block.

- d) **Revised** Offsets for sawcut line, removal area of existing asphalt pavement and limits of milling to correspond to 3' NDOT trench detail, see attached detail E & F.
28. Sheet No. R-1:
- a) **Added** CCWRD Inspection Notes: "CCWRD Inspection shall be contacted to schedule 24 hours in advance of performance of any of the work at (702) 668-8205"
 - b) **Revised** Roadway and Paving Notes number 9 to say "All new pavement will require adjustment of existing sanitary sewer manhole covers to grade per DCSWCS SD-5 & concrete collars per SD-4. For grade adjustment, no more than 18-vertical inches consisting of frame, manhole rings and grout shall be allowed"
 - c) **Added** label of existing sanitary sewer line "x10" SS, CCWRD # 493" between Sta. LM 51+50 and 52+00.
 - d) **Added** CCWRD signature block.
 - e) **Revised** Offsets for sawcut line, removal area of existing asphalt pavement and limits of milling to correspond to 3' NDOT trench detail, see attached detail E & F.
29. Sheet No. R-2:
- a) **Added** CCWRD Inspection Notes: "CCWRD Inspection shall be contacted to schedule 24 hours in advance of performance of any of the work at (702) 668-8205",
 - b) **Added** CCWRD signature block.
 - c) **Revised** Offsets for area of new asphalt pavement and overlay area to correspond to 3' NDOT trench detail, see attached detail E & F.
30. Sheet No. R-3:
- a) **Added** CCWRD Inspection Notes: "CCWRD Inspection shall be contacted to schedule 24 hours in advance of performance of any of the work at (702) 668-8205"
 - b) **Revised** Roadway and Paving Notes number 9 to say "All new pavement will require adjustment of existing sanitary sewer manhole covers to grade per DCSWCS SD-5 & concrete collars per SD-4. For grade adjustment, no more than 18-vertical inches consisting of frame, manhole rings and grout shall be allowed"
 - c) **Added** CCWRD signature block.
 - d) **Added** SNWA note block that says: "SNWA test leads are shallow SNWA fiber optic conduit runs along the east side of the SNWA 78" lateral"
 - e) **Added** SNWA signature block
 - f) **Added** labels of SNWA facilities around station "SL" 40+50; 24L.that says "SNWA CP Test Station", and "SNWA AV/AR and Brass Cap".
 - g) **Added** label of SNWA facility around station "SL" 40+49; 12L that says "SNWA Vault".
31. Sheet No. S-2:
- a) **Clarification only – no revision.** Streetlight conduit may be installed under roadway.
 - b) **Clarification only – no revision.** Existing streetlight at station "SL" 32+48, 23L. Pole will be taken down and stored while a new streetlight base is installed as per RTC Std. Dwg. 321. The pole will then be reinstalled on the new foundation, and re-connected to existing overhead circuit. The new base will have a conduit installed for the connection to the new streetlight at station 34+35. The wiring from the new streetlight will come into the newly installed base and continue up the pole and connect to the existing overhead circuit.

32. Sheet No. TS-1:

- a) **Revised** Traffic Signal note No. 200 strike out the words "FURNISH AND".
- b) **Revised** Traffic Signal note No. 202 **Replace** "UL62" with "UL83".
- c) **Revised** Traffic Signal note No. 206 strike out the words "FURNISH AND".
- d) **Revised** Traffic Signal note No. 207 strike out the words "FURNISH AND".
- e) **Revised** Traffic Signal note No. 306 strike out the words "CONTRACTOR SUPPLIED" and "CONTRACTOR SHALL SUPPLY AND DELIVER ONE (1) ADDITIONAL GTT MODEL 764 PHASE SELECTOR TO CLARK COUNTY TRAFFIC OPERATIONS, 5821 E. FLAMINGO ROAD, LAS VEGAS, NEVADA 89122."
- f) **Revised** Traffic Signal note No. 307 strike out the words "CONTRACTOR SUPPLIED" and "CONTRACTOR SHALL SUPPLY AND DELIVER ONE (1) ADDITIONAL GTT MODEL 764 PHASE SELECTOR TO CLARK COUNTY TRAFFIC OPERATIONS, 5821 E. FLAMINGO ROAD, LAS VEGAS, NEVADA 89122."
- g) **Revised** Traffic Signal note No. 312 strike out the words "SUPPLY AND".
- h) **Revised** Traffic Signal note No. 313 strike out the words "SUPPLY AND".

33. Sheet No. TS-2:

- a) **Added** Pull Box Legend G to say "SNWA utility separation refer to detail G sheet G-3 for SNWA utility separation guideline power and streetlight conduits. All power lines to be encased in red concrete for 10 feet either side of the SNWA water lateral per standard plate note 1."
- b) **Added** Label Note G where conduits 6 crosses over SNWA lateral around station "SL" 36+20, 12L, and where conduits 9, and 19 cross over SNWA lateral around station "SL" 37+25, 12L.
- c) **Added** SNWA note around station "SL" 35+44; 26R, "Existing SNWA brass cap marker adjust to grade refer to roadway plans."

34. Sheet No. TS-3:

- a) **Revised** Pole Schedule:, Pole D, mast arm length is revised to be 40' in length.
- b) **Revised** Street Name Sign Detail: font for "Lake Mead" is revised to be 12C.
- c) Conduit and Wire Schedule; The wire and cable from "point of service" to "service pedestal" is **Revised** to say "NV Energy supplied/Installed".
- d) Conduit and Wire Schedule Note: **Replace** note with the following: "Video detection (VID) cable shall include one (1) 8281 coaxial cable home run from cabinet to the camera, three (3) #10 AWG, THW-2 or XHHW-2 conductors from cabinet to the hand hole at the base of the pole, and one (1) three conductor #16 AWG SEOW cord from the hand hole at the base of the pole to the camera.

If the camera requires a manufacturer's recommended cable for proper installation, Contractor shall provide and install the manufacturer's recommended cable from camera to hand hole and one (1) 8281 coaxial cable and three (3) #10 AWG, THW-2 or XHHW-2 conductors from cabinet to the hand hole at the base of the pole."

e) "Signal Head Border Stripe Detail" is deleted.

Except as modified herein all other bid specifications, terms, conditions and special provisions shall remain the same.

Issued by:



For ASHLEY BLANCO
Purchasing Analyst

Attachments: Revised Bid Form pages 4-1 through 4-5
403 NDOT
405 NDOT
405.03.04; 405.04.01; 405.05.01
406 NDOT
Detail G
NDOT Permit
NDOT Trench Details E & F
Trench Details C & D

Cc: Jimmy Benoit, Public Works
Irene Lam, Public Works
Lonnie Wilborn, Public Works
Kaizad Yazdani, Public Works
Cindy Beauchamp, Public Works

CLARK COUNTY, NEVADA

BID FORM

BID NO. 603680-15

TRAFFIC SIGNAL SYSTEM AT LAKE MEAD BOULEVARD AND SLOAN LANE

PWP NUMBER: CL-2015-224

REVISED PER ADDENDUM NO. 2

(NAME)

(ADDRESS)

I, THE UNDERSIGNED BIDDER:

1. Agree, if awarded this Contract, I will complete all work for which a Contract may be awarded and to furnish any and all labor, equipment, materials, transportation, and other facilities required for the services as set forth in the Bidding and Contract Documents.
2. Have examined the Contract Documents and the site(s) for the proposed work and satisfied themselves as to the character, quality of work to be performed, materials to be furnished and as to the requirements of the specifications.
3. Have completed all information in the blanks provided and have submitted the following within this Bid:
 - a) Have listed the name of each Subcontractor which will be paid an amount exceeding five percent (5%) of the Total Base Bid amount.
 - b) Attached a bid security (in the form of, at my option, a Cashiers Check, Certified Check, Money Order, or Bid Bond in favor of the Owner in the amount of five percent (5%) of the Total Base Bid amount.
 - c) If claiming the preference eligibility, I have submitted a valid Certificate of Eligibility with this Bid.
4. I acknowledge that if I am one of the three apparent low bidders at the bid opening, and if I have listed Subcontractor(s) pursuant to NRS 338.141, I must submit Bid Attachment 2 within two-hours after completion of the bid opening pursuant to the Instructions to Bidders, forms must be submitted via hand delivery or email to COUNTPURCHASING@CLARKCOUNTYNV.GOV and I understand that hand delivery is recommended, and Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission after the two-hour time limit is not allowed and will be returned to me and the bid will be deemed non-responsive. I acknowledge that for:
 - a) Projects UNDER \$5,000,000
I need to list **only those Subcontractors** that will provide labor/improvements exceeding \$50,000.00.
5. I acknowledge that if I am one of the three apparent low bidders at bid opening, and if I have submitted a valid Certificate of Eligibility as described in 3.c above, I must submit Bid Attachment 3, Affidavit Pertaining to Preference Eligibility, within two-hours after completion of the bid opening pursuant to the General Conditions. The forms must be submitted via hand delivery or email to COUNTPURCHASING@CLARKCOUNTYNV.GOV and I understand hand delivery is recommended. Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission of the Certificate after the two-hour time limit is not allowed and it will be returned to me and the bid will be deemed non-responsive.
6. I acknowledge that if I am one of the three apparent low bidders at the bid opening I must submit BID ATTACHMENT 4, LOCAL SMALL BUSINESS PARTICIPATION SURVEY within twenty four hours after completion of the bid opening.
7. I acknowledge that if notified that I am the low bidder, I must submit the Disclosure of Ownership/Principals form within 24-hours of request.
8. I acknowledge that my bid is based on the current State of Nevada prevailing wages.
9. I acknowledge that I have not breached a public work contract for which the cost exceeds \$25,000,000, within the preceding year, for failing to comply with NRS 338.147 and the requirements of a contract in which I have submitted within 2 hours of the bid opening an Affidavit pertaining to preference eligibility.

10. Upon faxed or mailed receipt of a Notice of Intent to Award the Contract, I will provide the following submittals within seven business days from receipt of the Notice:
 - a) Performance Bond, Labor and Material Payment Bond and a Guaranty Bond, for 100% of the Contract amount as required.
 - b) Certificates of insurance for Commercial General Liability in the amount of \$1,000,000, Automobile Liability in the amount of \$1,000,000, and Workers' Compensation insurance issued by an insurer qualified to underwrite Workers' Compensation insurance in the State of Nevada, as required by law.
11. I acknowledge that if I do not provide the above submittals on or before the seventh business day after receipt of the Notice of Intent to Award; or do not keep the bonds or insurance policies in effect, or allow them to lapse during the performance of the Contract; I will pay over to the Owner the amount of **\$1,500** per day as liquidated damages.
12. I confirm this bid is genuine and is not a sham or collusive, or made in the interest of, or on behalf of any person not herein named, nor that the Bidder in any manner sought to secure for themselves an advantage over any bidders.
13. I further propose and agree that if my bid is accepted, I will commence to perform the work called for by the contract documents on the date specified in the Notice to Proceed and I will complete all work within the calendar days **specified in the General Conditions.**
14. I further propose and agree that I will accept as full compensation for the work to be performed the price written in the Bid Schedule below.
15. I have carefully checked the figures below and the Owner will not be responsible for any error or omissions in the preparation or submission of this Bid.
16. I agree no verbal agreement or conversation with an officer, agent or employee of the owner, either before or after the execution of the contract, shall affect or modify any of the terms or obligations of this Bid.
17. I am responsible to ascertain the number of addenda issued, and I hereby acknowledge receipt of the following addenda:

Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
18. I agree to perform all work described in the drawings, specifications, and other documents for the amounts quoted below:

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
104.01	FLAGGERS	3	DAY	\$
107.01	TRAFFIC CONTROL	90	DAY	\$
109.01	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK	1	LS	\$75,000.00
109.02	HISTORICAL OWNER CAUSED DELAY ALLOWANCE	7	DAY	\$3,500.00
109.03	ADDITIONAL AMOUNT OVER \$500.00/DAY AS DETERMINED BY BIDDER	7	DAY	\$
110.01	TRAINING	80	HR	\$112.00
200.01	MOBILIZATION	1	LS	\$
202.01	REMOVE TRAFFIC STRIPING	1	LS	\$
202.02	REMOVE AC PAVEMENT	480	SY	\$

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
202.03	2-INCH COLD PLANING	325	SY	\$
202.04	REMOVE CONCRETE SIDEWALK	900	SF	\$
202.05	REMOVE CURB AND GUTTER	210	LF	\$
202.06	REMOVE DRIVEWAY	200	SF	\$
202.07	1-INCH COLD PLANING	1260	SY	
203.01	EXCAVATION	140	CY	\$
302.01	TYPE II AGGREGATE BASE	410	CY	\$
402.01	PLANTMIX BITUMINOUS SURFACE	400	TON	\$
403.01	1-INCH PLANTMIX OPEN GRADED SURFACING	80	TON	\$
609.01	ADJUST STORM DRAIN MANHOLE COVER TO GRADE	2	EA	\$
613.01	CONCRETE SIDEWALK	1,080	SF	\$
613.02	TYPE "L" CURB AND GUTTER	510	LF	\$
613.03	TACK ON MEDIAN	1,555	SF	\$
613.04	SIDEWALK RAMP	3	EA	\$
613.05	COMMERCIAL DRIVEWAY	225	SF	\$
623.01	TRAFFIC SIGNAL SYSTEM AT LAKE MEAD AND SLOAN	1	LS	\$
627.01	PERMANENT SIGN (GROUND MOUNTED)	6	EA	\$
627.02	REMOVE AND SALVAGE SIGN	2	EA	\$
628.01	TYPE 2 PAVEMENT MARKING FILM (24-INCH SOLID WHITE)	420	LF	\$
628.02	TYPE 2 PAVEMENT MARKING FILM (ARROW)	7	EA	\$
628.03	WHITE POLYUREA PAVEMENT MARKING (4" SOLID)	1,000	LF	\$
628.04	YELLOW MEDIAN PAINT	1,555	SF	\$
629.01	ADJUST LVVWD VALVE TO GRADE	1	EA	\$
630.01	ADJUST SEWER MANHOLE COVER TO GRADE	3	EA	\$
633.01	REFLECTIVE PAVEMENT MARKER	75	EA	\$
633.02	NON-REFLECTIVE PAVEMENT MARKER	180	EA	\$
637.01	DUST CONTROL	90	DAY	\$

19. BUSINESS ENTERPRISE INFORMATION:

The Prime Contractor submitting this Bid is a MBE WBE PBE SBE VET DVET ESB as defined in the Instructions to Bidders.

20. BUSINESS ETHNICITY INFORMATION:

The Prime Contractor submitting the Bid Ethnicity is Caucasian (CX) African American (AA) Hispanic American (HA) Asian Pacific American (AX) Native American (NA) Other as defined in the Instructions to Bidders.

21. BIDDERS' PREFERENCE Is the Bidder claiming Bidders' Preference?

Yes If yes, the Bidder acknowledges that he/she is required to follow the requirements set forth in the Affidavit (Bid Attachment 3).

No I do not have a Certificate of Eligibility to receive preference in bidding.

22.

LEGAL NAME OF FIRM AS IT WOULD APPEAR IN CONTRACT

ADDRESS OF FIRM

CITY, STATE, ZIP CODE

TELEPHONE NUMBER

FAX NUMBER

NEVADA STATE CONTRACTORS' BOARD LICENSE INFORMATION:

I certify that the license(s) listed below will be the license(s) used to perform the majority of the work on this project.

LICENSE NUMBER: _____

LICENSE CLASS: _____

LICENSE LIMIT: _____

ONE TIME LICENSE LIMIT INCREASE \$ _____ IF YES, DATE REQUESTED _____

CLARK COUNTY BUSINESS LICENSE NO. _____

STATE OF NEVADA BUSINESS LICENSE NO. _____

AUTHORIZED REPRESENTATIVE
(PRINT OR TYPE)

E-MAIL ADDRESS

SIGNATURE OF AUTHORIZED REPRESENTATIVE

TODAY'S DATE

SECTION 403

PLANTMIX BITUMINOUS OPEN-GRADED SURFACE

This project includes roadways that are maintained by the Nevada Department of Transportation and are subject to the Standard Drawings and Specifications developed by that public agency. Information regarding the requirements of NDOT is available on the Internet at <http://www.nevadadot.com/business/contractor/Standards/>

Roadways in this project that will be subject to NDOT guidelines are Lake Mead Boulevard from approximately 450' west of Sloan lane to approximately 220' east of Sloan Lane.

403.03.04 Surface Tolerances.

Type ___A___ pavement smoothness is required.

403.04.01 Measurement. The first two paragraphs of this Subsection of the Standard Specifications are hereby deleted and the following substituted therefore:

Plantmix open-graded surfacing will be measured as specified in Subsection 401.04.01.

403.05.01 Payment. This Subsection of the Standard Specifications is hereby deleted and the following substituted therefore:

The accepted quantities, measured as provided above, will be paid for at the contract price per unit of measurement for the pay items listed below that are shown in the proposal. Payment will be full compensation for the work prescribed in this Section.

Payment will be made under:

Pay Item	Pay Unit
1-INCH PLANTMIX OPEN-GRADED SURFACING	(Ton)

*Aggregate size in Subsection 705.03.02, and as indicated in the proposal.

SECTION 405

TACK COAT

MATERIALS

405.02.01 Bituminous Material.

Replace this section with the following:

Emulsified asphalt for the tack coat shall be Emulsified Asphalt, Type SS-1h (diluted).

Emulsified asphalt shall meet the applicable requirements of Section 703. The bituminous material may be conditionally accepted at the source.

Emulsified asphalt (diluted) shall be a mixture of emulsified asphalt and water. Add water in the quantity of 40% of the emulsified asphalt by mass. To accomplish this mixing, fill the distributor partly with water, and then add the emulsified asphalt. Spray the remaining required water into the tank under pressure and then thoroughly circulate within the distributor.

CONSTRUCTION

405.03.04 Application of Bituminous Materials

Add the following to this section:

Use Emulsified Asphalt type SS-1h for tack coat at the following application rates: (0.06 gal/yd²) between plantmix lifts and (0.07 gal/yd²) on milled surface within NDOT Right of Way.

METHOD OF MEASUREMENT

405.04.01 MEASUREMENT

Replace this section with the following:

Emulsified asphalt (diluted) will not be measured for payment directly.

BASIS OF PAYMENT

405.05.01 PAYMENT

Replace this section with the following:

No payment will be made for emulsified asphalt as such. The cost thereof shall be considered as included in the price bid for the construction of plantmix bituminous surface to which emulsified asphalt is incidental.

SECTION 405
TACK COAT
CONSTRUCTION

405.03.04 APPLICATION OF ASPHALTIC EMULSION

Add the following:

The Contractor shall provide to the Engineer the Contractor's calculations of the spread rate that was applied.

BASIS OF PAYMENT

405.04.01 MEASUREMENT

Replace this section with the following:

Tack coat shall not be measured for payment directly.

405.05.01 PAYMENT

No payment will be made for tack coat as such. The cost thereof shall be considered as included in the price bid for the construction of the plantmix bituminous surface to which tack coat is incidental.

SECTION 406

PRIME COAT

MATERIALS

406.02.01 BITUMINOUS MATERIAL.

Delete this subsection and replace with the following:

Use cut back asphalt type MC-70NV for prime coat within NDOT Right of Way.

METHOD OF MEASUREMENT

406.04.01 Measurement.

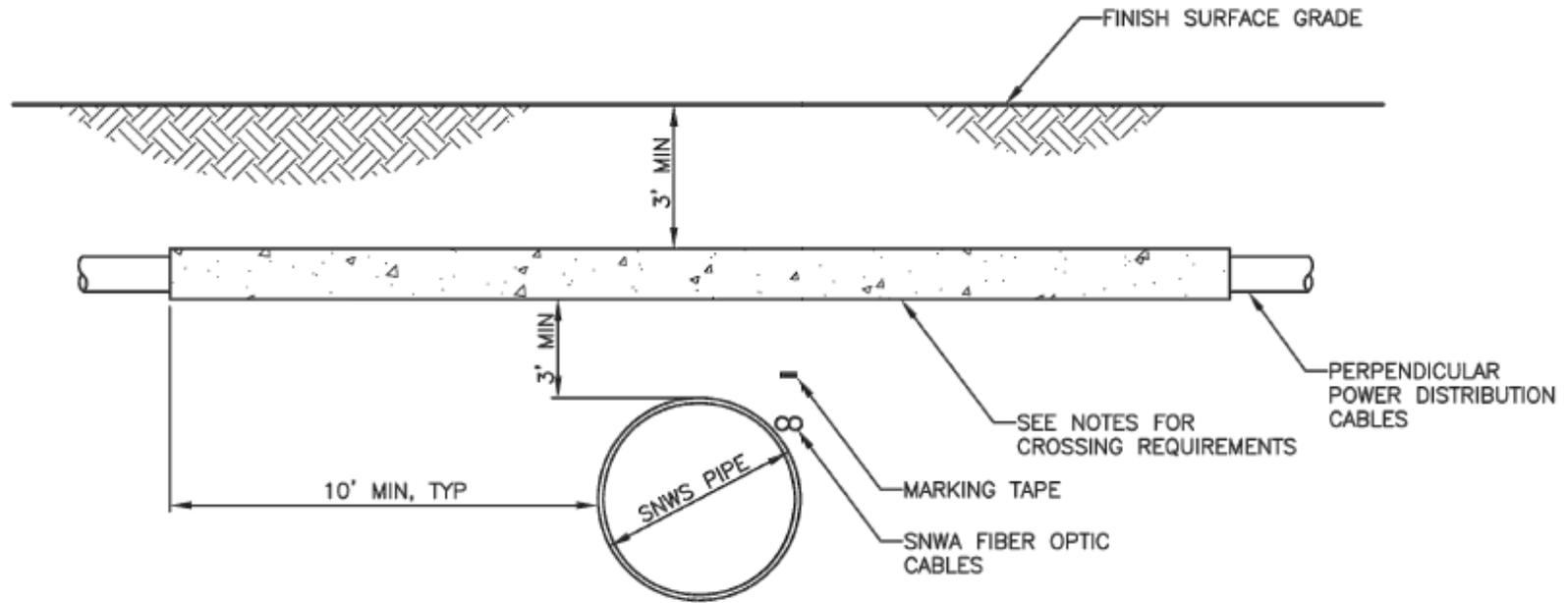
Delete this subsection and replace with the following:

Prime coat will not be measured for payment directly.

406.05.01 Payment.

Delete this subsection and replace with the following:

No payment will be made for prime coat as such. The cost thereof shall be considered as included in the price bid for the construction of plantmix bituminous surface to which prime coat is incidental



TYPICAL CROSS SECTION

NOTES

1. ALL POWER LINES (INCLUDING STREET LIGHT AND TRAFFIC SIGNAL CONDUIT(S)) SHALL BE ENCASED IN A MINIMUM OF SIX (6) INCHES OF RED CONCRETE (3000 PSI MINIMUM) EXTENDING A MINIMUM OF TEN (10) FEET ON EACH SIDE OF THE CROSSING FROM THE OUTSIDE DIAMETER (IN BOTH DIRECTIONS) OF THE WATER TRANSMISSION MAIN. FIBER OPTIC CONDUITS ARE NOT REQUIRED TO BE ENCASED.
2. ALL POWER LINES (INCLUDING STREET LIGHT, FIBER OPTIC, AND TRAFFIC SIGNAL CONDUIT(S)) SHALL MAINTAIN MINIMUM VERTICAL CLEARANCES OF THREE (3) FEET ABOVE AND TWO (2) FEET BELOW SNWS PIPELINE.

**SNWA UTILITY SEPARATION
GUIDELINE POWER AND
STREETLIGHT CONDUITS**

G
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N.T.S.



STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

P. O. Box 170
Las Vegas, Nevada 89125-0170
June 25, 2015

BRIAN SANDOVAL, Governor

RUDY MALFABON, P.E., Director

Ms. Irene Lam
Clark County Department of Public Works
500 South Grand Central Parkway
Las Vegas, NV 89155

SUBJECT: District Permit No. 203718-2015

To Whom It May Concern:

You are hereby advised to read and abide by the "Terms and Conditions Relating to Right-of-Way Occupancy Permits" booklet attached and any additional conditions which have been added to and listed on page 2 of your permit.

Please see the Terms and Conditions page for the limits of the Asphalt Mitigation. This permit is conditionally approved as follows: use Cut back asphalt type MC-70NV for prime coat within NDOT ROW. Use Emulsified Asphalt type SS-1h for tack coat at the following application rates: 0.06 between plantmix lifts, and 0.07 on milled surface within NDOT ROW.

If you have any questions or desire further information on this matter, please feel free to contact me at 671-6610.

Sincerely,

A handwritten signature in black ink, appearing to read "Rudy D. Lucero".

Rudye D. Lucero
District I Permit Coordinator

Fee: <u>0</u>	Permit No.:
Milepost: <u>SR147 CL 5.39-5.51</u>	District: <u>01C</u>
System No.: <u>203718-2015</u>	
Applicant: <u>Clark Co Public Works</u>	
Type of Work: <u>Street Improvements</u>	
FOR DEPARTMENT USE ONLY	

REVOCABLE APPLICATION AND PERMIT FOR OCCUPANCY OF
NEVADA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY
(Under the provisions of NRS 408.423, 408.210 and NAC 408)

1. Location where excavation, construction, installation and/or occupancy is proposed

<u>Lake Mead Boulevard</u>	<u>Sloan Lane</u>
Local name of highway	Street address or nearest cross street

2. Describe in detail the type and scope of work; capacity or size of facility; stages and time frame for development; scheduled dates for start and completion. Attach 4 sets of detailed plans or drawings.

This project consists of removing existing curb, gutter and sidewalk along the south side of Lake Mead Blvd at Sloan Ln and installing new curb returns to create a 4-way intersection and installation of a traffic signal system. The project construction is expected to begin in late summer 2015 and be complete in 90 days.

This will include: Removal of approximately 109 LF of existing curb, gutter and sidewalk including a driveway on the south side of Lake Mead Blvd

Install new curb returns on the south leg of the intersection

Removal and replacement of an existing curb return on the NE corner of the intersection

Removal and replacement of approximately 447 LF of AC on the south side of Lake Mead Blvd for traffic signal conduit installation

Removal and replacement of AC in NE quadrant of intersection

Mill and overlay of intersection and shoulder lane along south side adjacent to the trenching limits

Install tack on medians on Lake Mead Blvd

Install a new traffic signal system

Install new traffic delineation, crosswalks, and signage

3. PERMITTEE hereby acknowledges that he has received and read a copy of the specific Terms and Conditions Relating to Right-of-Way Occupancy Permits issued by the State of Nevada Department of Transportation, and accepts said terms and conditions and any additional terms and conditions stated in this permit. (except for General Provisions III.2,

4. **SPECIFIC TERMS AND CONDITIONS APPURTENANT TO THIS PERMIT ARE LISTED ON PAGE 2.**

5. THE PERMIT SHALL BE SIGNED AND RETURNED TO THE DISTRICT OFFICE.

Clark County Department of Public Works Irene Lam
Name of PERMITTEE (Type or Print)


Signature of PERMITTEE

500 South Grand Central Parkway
Address

Senior Civil Engineer 702.455.1487
Title Phone No.

Las Vegas, NV 89155
City, State, Zip

5/8/15
Date of Application

(702) 455.1487 (702) 455.6415
Phone No. Fax No.

Permittee's I.D. No. or Parcel No.

Standard Permit Application

NDOT Use Only	
Milepost:	SR 147E CL 5.39 - SR 147E CL 5.51
System ID #:	203718
Permit #:	Pending
Work Order #:	20151151
Permit Type:	Misc
Permit Category:	
Type of Activity:	ROADWAY MODIFICATION, PRIMARY

REVOCABLE APPLICATION AND PERMIT FOR OCCUPANCY OF NEVADA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY

(Under the provisions of NRS 408.423, 408.210 and NAC 408)

Applicant Information

Name:	MS	Irene		Lam	
	Prefix	First	Middle	Last	Suffix
Company Type:					
Company Name:					
Title:					
Address:	500 S. Grand Central Parkway				
	Las Vegas	Nevada	89155-4000		
	City	State	Zip Code		
Number:	(702) 455-1487	(702) 455-6415			
	Phone	Fax			
Email:					

Location and/or Occupancy is Proposed

Local Name of Highway:	SR 147			
Street Address:	Sloan Lane			
	Street Address or Nearest Cross Street			
Starting Location:	Clark	STATE ROUTE	147E	5.39
	Nevada County	Route Type	Route	Milepost #
Ending Location:	Clark	STATE ROUTE	147E	5.51
	Nevada County	Route Type	Route	Milepost #
District:	District 1 - Las Vegas			

Applicant Name: Irene Lam System ID #: 203718 Permit #: Pending

Work Description

Describe in details, number of participants, proposed route, scheduled dates and time. (Attach 4 sets of plans and/or drawings of proposed route.)

Description Title: Traffic Improvements Lake Mead & Sloan

Description Details: This work is located on and transversing eastbound/westbound SR 147 approximately 437.95' east of the intersection of Lake Mead Blvd. and Sloan Lane from NDOT Engineers Sta. "LM" 50 + 67.28, (32.65' Rt.) to NDOT Engineers Sta. "LM" 57 + 11.61, (1.11' Lt.). The permittee is requesting to REMOVE: existing C & G, sidewalk, (1) driveway, signage and striping and AC pavement. INSTALL: new C & G, sidewalk, signage and striping, new traffic signal system w/traffic signal, median tack on island and new AC pavement.

Number of Participants: 0 Minimum 0 Maximum

Closure Information: Lane Closure: No Road Closure: No Shoulder Closure: No

Time Schedule:

Please include (Start Date, Start Time, End Date, End Time, and Location)

Required Documents: Signed Application, Drainage Study Waiver, Drainage Information Form, Desk Audit, Technical Specification, Correspondence, Traffic Study Plan, Letter of Authorization, Storm Water Pollution Prevention Plan

Additional documents may be required depending on the type of work description. You will be notified of the additional documents if necessary.

Applicant Name: Irene Lam

System ID #: 203718

Permit #: Pending

Standard Terms and Conditions

1. PERMITEE hereby acknowledge that he had read and received a copy of the specific Terms and Conditions relating to Right-of-Way Occupancy permits issued by the State of Nevada Department of Transportation, and accepts said terms and conditions and any additional terms and conditions stated in this permit.
2. SPECIFIC TERMS AND CONDITIONS APPURTENANT TO THIS PERMIT IS LISTED BELOW.
3. THE PERMIT SHALL BE SIGNED AND RETURNED TO THE DISTRICT OFFICE

Additional Terms and Conditions

1. Any and all appurtenances constructed by this permit shall be maintained by the permittee.
2. A complete permit package shall be available at the job site at all times during construction. All contractors and subcontractors connected with work on this project shall have a complete copy of this permit at the site at all times or the work will be closed down until a copy is made available.
3. Contact the District Office at 671-6650, a minimum of (4) four working days prior to the anticipated beginning of construction, the contractor shall comply with the NDOT Standard Specifications for Road and Bridge Construction Section 105.11
4. The contractor shall comply with the NDOT Standard Specifications for Road and Bridge Construction Section 105.11; specifically with the portion that states as follows: any work done or materials used without inspection by the NDOT inspector may be ordered removed or replaced at own expense, unless the NDOT inspector failed to inspect after having been given reasonable notice in writing that the work was to be performed.
5. The Indemnity provision incorporated into this permit as an attachment by the Terms and Conditions Relating to Right of Way Occupancy Permits Section III General Provisions 2. Permittee will be Liable for damages is superceded by this condition and made void. In lieu of the General Indemnity Provision the Bureau of Reclamation will be liable for damages as determined in accordance with the Federal Tort Claims Act; due to the General Indemnity Provision being regarded as a violation of the Anti-Deficiency Act (31 U.S.C. sect. 1341) since it is an open-ended obligation to pay unspecified costs in the future if any of the events that trigger indemnification were to occur.
6. The hours of work shall be as specified by NDOT review and approval of Traffic Control Plan.
7. The hours of work will be from 7:00 a.m. to 3:30 p.m., Monday through Friday provided all through lanes of traffic are unrestricted by work in progress. If traffic is restricted by work in progress, hours of work will be from 9:00 p.m. to 5:30 a.m., Sunday night through Friday morning; approval for lane closures will be based on traffic counts reviewed on a case by case basis.
8. No work shall be performed outside the permitted hours without prior written approval as follows: by commencing work on this permit or any portion of the proposed work permittee agrees to submit a written request to work outside the hours noted above 96 hours in advance of proposed overtime; the letter shall state the permittee will pay for the inspector's overtime and include a schedule of the proposed work to be performed on overtime.
9. By commencing work on this permit or any portion of the proposed work permittee agrees to pay for the NDOT inspector's overtime if a shift runs over the inspector's normal working hours and requires the NDOT inspector to stay on the project. The permittee shall provide a letter of justification/agreement to pay for the inspector's overtime by 12:00 the following shift or the work will be closed down until the letter has been provided.
10. An approved traffic control plan will be required, prior to the anticipated beginning of construction. The traffic control plan shall be available at the job site at all times during construction. Proper end treatment MUST be provided to prevent motorists from hitting the exposed blunt end of the barrier. Barriers and attenuator systems MUST be used and located within the manufacturers' guidelines to assure their proper function.
11. The work of setting up and tearing down the traffic control devices as required shall be completed each day within the hours specified on the permit and/or on the approved traffic control plan. All traffic control devices that are not actively in use to protect the work area shall be completely removed from the roadway and sidewalk at the end of the work period; message and arrow boards shall be stored offsite.
12. Utility Work Ahead signs shall be placed according to the approved traffic control plan.

Applicant Name: Irene Lam

System ID #: 203718

Permit #: Pending

Additional Terms and Conditions

13. Designate a traffic control supervisor who shall be responsible for initiating, installing and maintaining all traffic control devices as shown on the plans, as specified in the MUTCD and these specifications, or as directed. The traffic control supervisor shall be an employee of the Contractor and shall be under the supervision of the Superintendent. The designated traffic control supervisor shall also be available to be contacted by the Engineer 24 hours a day for the life of this contract. The persons so designated shall have at least one year of experience directly related to worksite traffic control in a supervisory or responsible capacity and shall be certified as a worksite traffic supervisor by ATSSA. Submit the name and qualifications of this person 7 days in advance of the date set for the preconstruction conference in order to review said qualifications.

14. The traffic control supervisor shall be capable of being on-site within 45 minutes of notification. The traffic control supervisor shall make at least 4 inspections of all traffic control devices each day as follows: • Before beginning work • At mid-shift • Half an hour after the end of the shift • Once during the period of non-working hours. Additional inspections may be required during adverse weather conditions.

15. In areas with pedestrian traffic, use fencing around open trenches. The fencing may be placed on top of portable concrete barrier rails.

16. During nonworking hours, park vehicles and equipment a minimum of 9 m (30 ft) from the pavement edge of the traveled way over which public traffic is directed unless separated by guardrail or concrete barrier rail.

17. Locate employee parking within "cleared" right of way and a minimum of 9 m (30 ft) from the pavement edge of the traveled way over which public traffic is directed unless separated by guardrail or concrete barrier rail.

18. Do not store or stockpile materials and supplies within 9 m (30 ft) of a travel lane unless separated by guardrail or concrete barrier rail.

19. Delineate and sign all longitudinal drop-offs greater than 25 mm (1 in.) exposed to public traffic.

20. It is the PERMITTEE's responsibility to contact the Traffic Section, Planning Department at (775) 888-7445 to determine if permitted work will affect any traffic counters or loops. It will be the PERMITTEE's responsibility to replace any affected traffic installations. This contact must be made a maximum of five working days prior to commencing permit work.

21. It is the PERMITTEE's responsibility to contact FAST at (702) 432-5300 to determine if permitted work will affect any traffic FAST facilities. It will be the PERMITTEE's responsibility to replace any affected FAST installations. This contact must be made a maximum of five working days prior to commencing permit work.

22. Backfill shall be placed in even uniform lifts and mechanically compacted. Ponding or jetting will not be permitted.

23. PERMITTEE shall supply a certified testing lab technician for compaction tests at the direction of a NDOT inspector.

24. An approved NDOT asphalt mix design is required. Asphalt mix design information shall be submitted to the Permit Office a minimum of 10 business days in advance of intended usage.

25. This permit will require that the permanent (hot) asphalt paving will be placed within seven (7) working days after the backfill operation is complete. Asphalt shall conform to NDOT Standard Specifications for Road and Bridge Construction (current version).

26. This permit will require that the permanent (hot) asphalt paving will be placed after the backfill operation is complete; coldmix is not permitted; plates shall be pinned, recessed flush with adjacent roadway and welded as directed by NDOT inspector. Asphalt shall conform to NDOT Standard Specifications for Road and Bridge Construction (current version).

27. Plantmix bituminous pavements shall conform to the following requirements: Stabilometer Value (Type 2C) - 37 minimum Percent Air Voids - 4 minimum to 7 maximum Mineral Filler shall be added to the aggregate by Method B (Marination) The aggregate shall be 3/4" for dense grade, 1/2" for open- grade, and the asphalt cement shall be grade PG 76-22NV.

28. Use Cut back asphalt type MC-70NV for primecoat within NDOT ROW. Use Emulsified Asphalt type SS-1h for tack coat at the following application rates: 0.06 between plantmix lifts, and 0.07 on milled surface within NDOT ROW.

29. The open-graded plantmix shall be placed only when the atmospheric temperature in the shade and the pavement surface temperature are above seventy (70) degrees Fahrenheit. In the event that ambient or surface temperature specifications cannot be achieved during the placement of the permanent paving, the dense grade shall be paved flush with the existing surface. The permanent paving shall be rotomilled 1" deep and open-graded at the earliest time when both the ambient and surface temperature specifications can be achieved. The open-grade shall be placed within 48 hours of the completion of the rotomill operation.

30. All conflicting pavement markings, including striping, pavement legends and raised pavement markers shall be completely removed. The method of removal shall be by rotomilling 1" of the existing pavement and placement of 1" open-grade material, of an approved NDOT mix design. The aggregate shall be 1/2" and the asphalt cement shall be grade PG 76-22NV. The limits of the rotomill and repave will be adjusted by the inspector in the field.

31. Saw-cut the existing asphalt at the lip of gutter and edge of pavement prior to removing existing concrete. PERMITTEE shall take all necessary precautions to protect the edge of asphalt pavement and surface. New concrete shall be poured to face of asphalt pavement.

32. Any sidewalk panels, curb and gutter disturbed or destroyed shall be replaced full section from joint to joint within 48 hours upon completion of backfill operation.

33. All work on the wheelchair ramps shall conform to Clark County Area Standard Drawing No. 235 Case "I".

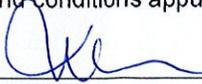
Applicant Name: Irene Lam

System ID #: 203718

Permit #: Pending

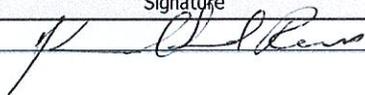
Additional Terms and Conditions

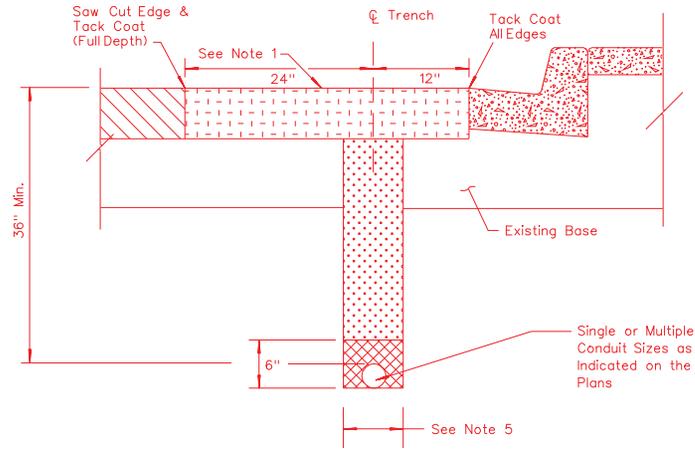
34. All curbing installed during median modification shall be of a driveable type and of concrete construction, NDOT R-5.1.1 (502.613) Type A or Type B and have a typical transition from rolled curb to vertical curb of 3'0" minimum.
35. All requirements for streetlights inclusive of foundation, pole and inspection shall be per local jurisdiction (). NDOT safety (break-away) bases are required.
36. Conduit shall have a minimum of 36" cover.
37. Per N.A.C. 408.457, an attached copper wire or an equivalent method is required to locate the facility by an electronic device within the total occupancy of NDOT right-of-way.
38. An approved NDOT concrete mix design is required. Concrete mix design information shall be submitted to the Permit Office a minimum of 10 business days in advance of intended usage.
39. A concrete collar will be constructed around the valve box after it is raised to grade.
40. The finished concrete collar shall not exceed 3' in diameter. All excavation and asphalt removal shall be maintained within the 3' diameter area.
41. PERMITTEE shall comply with all federal, state and local laws concerning the Desert Tortoise. If tortoise habitat, consultant must inform Environmental at 775-888-7689 of requirements from consultation.
42. Temporary pollution control and erosion control work shall conform to the requirements of NDOT's "Construction Site Best Management Practices (BMP's) Manual," hereinafter referred to as the Manual, and addenda thereto issued up to and including, the date of advertisement of the contract. The Manual is available for purchase, or can be accessed on the NDOT website. Adhere to the Manual's minimum requirements found in Section 2 for the selection and implementation of construction site BMP's. The requirements of the Manual are minimum requirements and additional BMP's may be required to meet permit requirements and the requirements specified herein. Know and fully comply with the provisions of the Manual, and Federal, State, and local regulations governing storm and non-storm water discharges from both the project site and areas of disturbance outside the project limits during construction.
43. Refer to Section 1.B. of the General Permit for Storm Water Associated with Construction Activity NVR100000 and the Manual fact sheets for determining when designed temporary BMP's are required. In conformance with NRS Chapter 625, a Nevada Registered Civil Professional Engineer shall design and/or reviewed by a qualified Professional Civil Engineer registered in the State of Nevada.
44. PERMITTEE agrees to notify the Department immediately upon the discovery of hydro-carbons or other hazardous substance within the Department's right-of-way. PERMITTEE shall also immediately cease construction operations under this permit at the location of the discovered hydro-carbons or other hazardous substance until further notice from the Department. If the nature of the discovery does not require immediate notification of federal, state or local agencies (such as EPA, NDEP, etc.), PERMITTEE shall delay notifying such agencies until the latest date possible without violating federal, state, or local laws, but this provision shall not relieve PERMITTEE of its above-stated duty to immediately notify the Department and cease operations.
45. The discovery of hydro-carbons or other hazardous substance within the Department right-of-way and the subsequent cessation of work under this provision shall not create any liability in the Department for delay damages to either PERMITTEE or its contractors. PERMITTEE shall indemnify, defend and hold Department harmless in any action for delay damages arising out of such a situation.
46. The PERMITTEE shall be responsible for maintaining the integrity of the roadway surface. Dust, dirt, mud, gravel, etc. carried onto the roadway surface shall be cleaned off on a regular basis (at least once a day or as requested by NDOT personnel). Failure to comply may result in the Nevada Department of Transportation having the roadway cleaned and the cost for the clean-up billed to the PERMITTEE.
47. Any highway appurtenances which may become disturbed or destroyed, by reason of this permit, shall be returned to a condition equal to or better than the original.
48. The PERMITTEE, in addition to obtaining the Right-of-Way Occupancy Permit, must also obtain any and all other permits required by State law or local ordinances. Applicant is responsible for all clearances.
49. The permittee shall confine all work activity to the NDOT Right-of-Way (RW). This permit does not allow any activity to be performed on or to affect adjacent property. The permittee is responsible for obtaining any and all permissions or clearances from adjacent property owners. The permittee will indemnify NDOT for any damages, trespass or any other consequence of the permittee's work on or near adjacent properties.

Applicant or Authorized Agent Signature	
By signing this application you agree to all terms and conditions appurtenant to this permit.	
<u>Irene Lam</u> * Printed Name	 * Signature
	<u>7/2/15</u> * Date

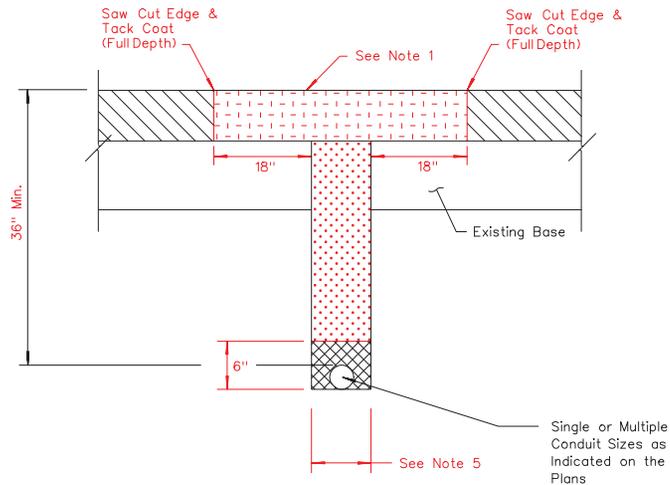
This Right-of-Way Occupancy permit is granted to the PERMITTEE in accordance with the provisions of Chapter 408 NRS and subject to the terms and conditions stipulated to perform the work described.

STATE OF NEVADA DEPARTMENT OF TRANSPORTATION

Authorized Signature(s)			
<input type="checkbox"/> Traffic <input type="checkbox"/> Inspector <input type="checkbox"/> District Engineer <input type="checkbox"/> Permit Coordinator <input type="checkbox"/> Director <input type="checkbox"/> Assistant Director			
District	Printed Name	Signature	Date
1	Mohamed Rowas		6/29/15
Comments:			



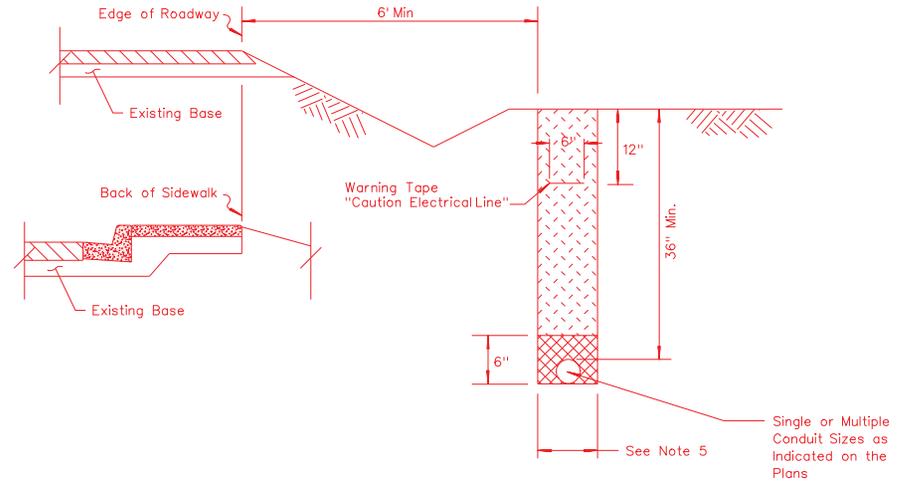
LONGITUDINAL



TRANSVERSE
TRENCHING IN PAVEMENT

LEGEND:

-  - Existing Pavement
-  - Limits of Removal & Repair of Pavement
-  - Sand Bedding (See Note 14)
-  - Class A Slurry Cement Backfill
-  - Backfill



TRENCHING IN NATIVE SOIL

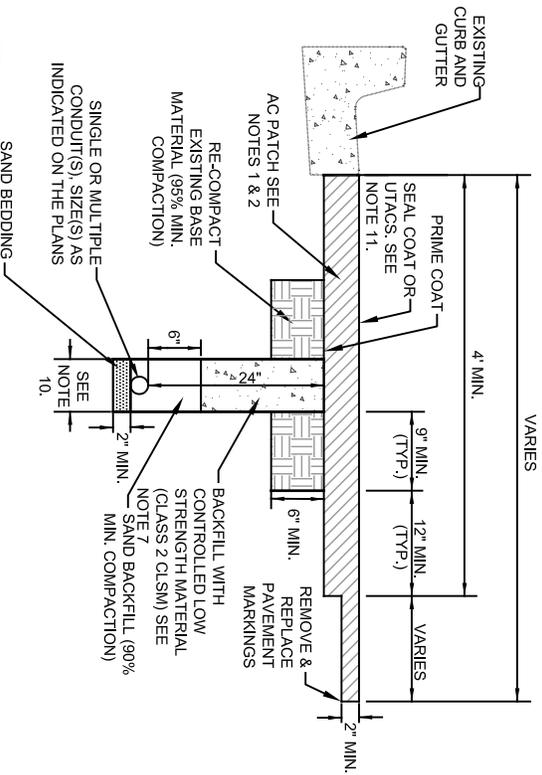
NOTES:

1. REMOVE EXISTING PAVEMENT AND REPLACE WITH NEW APPROVED MATERIAL OF SAME TYPE. MATCH EXISTING PAVEMENT DEPTH BUT NOT LESS THAN 6", AND SEAL NEW SURFACE AS DIRECTED BY THE ENGINEER.
2. RECOMPACT EXISTING BASE MATERIAL AROUND TRENCH TO MEET COMPACTION REQUIREMENTS FOR THAT MATERIAL TYPE AND LOCATION.
3. NEW ASPHALT AND CONCRETE PAVEMENT MATERIAL MUST BE APPROVED BY THE ENGINEER AND OBTAINED FROM AN APPROVED SOURCE.
4. UNLESS OTHERWISE PROVIDED FOR IN THE BASE AND SURFACE SUMMARIES NEW PAVEMENT MATERIAL AND TRENCHING SHALL NOT BE PAID FOR DIRECTLY BUT INCLUDED IN THE PRICE FOR THE CONDUIT.
5. TOTAL TRENCH WIDTH SHALL BE 6" WIDER THAN THE OUTSIDE EDGES OF CONDUIT(S) INSTALLED. USE CONDUIT SPACERS TO SEPARATE MULTIPLE CONDUITS IN TRENCH BY AT LEAST 1". PLACE SPACERS AT INTERVALS OF 5' MAXIMUM. CONDUITS SHALL BE CENTERED IN TRENCH.
6. FOR TRENCHING IN A NON-NDOT-OWNED FACILITY USE THE OWNER'S STANDARDS FOR TRENCHING, COMPACTION, AND PATCHING.
7. LONGITUDINAL TRENCHING IN SHOULDER: IF SHOULDER IS 4' WIDE OR LESS, REMOVE ALL SURFACE MATERIAL FROM EDGE OF OIL TO SHOULDER STRIPE AND REPLACE.
8. ENGINEER MAY FOR GOOD CAUSE, REQUIRE WIDER PATCH SECTIONS OR OTHERWISE ALTER THE REQUIREMENTS.
9. IF SAW CUT IS WITHIN 2' OF AN EXISTING PAVEMENT EDGE OR EXISTING PAVEMENT PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION
10. IF SAWCUT EDGES FOR TRENCH FALL WITHIN A WHEEL PATH, SAWCUT SHALL BE EXTENDED TO, AND REMOVAL MADE TO EDGE OF THE TRAVEL LANE. OPTIONALLY, THE ENTIRE TRAVEL LANE CAN BE ROTOMILLED TO A DEPTH OF 2" AND OVERLAYED WITH 2" OF BITUMINOUS PLANTMIX AS DIRECTED BY THE ENGINEER.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF LOOP DETECTORS, ADJUSTMENTS OF UTILITIES AND SURVEY MONUMENTS TO GRADE AND INSTALLATION OF TEMPORARY PAVEMENT MARKINGS.
12. PERMANENT RESURFACING SHALL NOT BE PLACED ON TRENCHES BACKFILLED WITH CONCRETE SLURRY FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT OF THE CONCRETE SLURRY OR SIMILAR MATERIAL. PROVIDE TEMPORARY COVER OR BACKFILL AS DIRECTED BY THE ENGINEER.
13. USE OF ROCK WHEEL TRENCHING MACHINES OR SIMILAR EQUIPMENT WILL NOT BE PERMITTED WITHIN PAVED AREAS OR WITHIN 1' OF THE EDGE OF PAVING.
14. SAND BEDDING SHALL CONFORM TO GRADATION REQUIREMENTS IN SUBSECTION 706.03.03 FINE AGGREGATES.
15. IF INSTALLING UNDERGROUND ELECTRICAL FACILITIES OR SUPPLIES REFER TO NAC 408.447 AND 408.453.
16. BACKFILL IN ACCORDANCE WITH SECTION 207 IF WITHIN THE ROADSIDE SLOPE OR DITCHES. OTHERWISE THE BACKFILL MAY BE ACCOMPLISHED WITH NATIVE MATERIAL COMPACTED TO 90% OR AS DIRECTED BY THE ENGINEER.

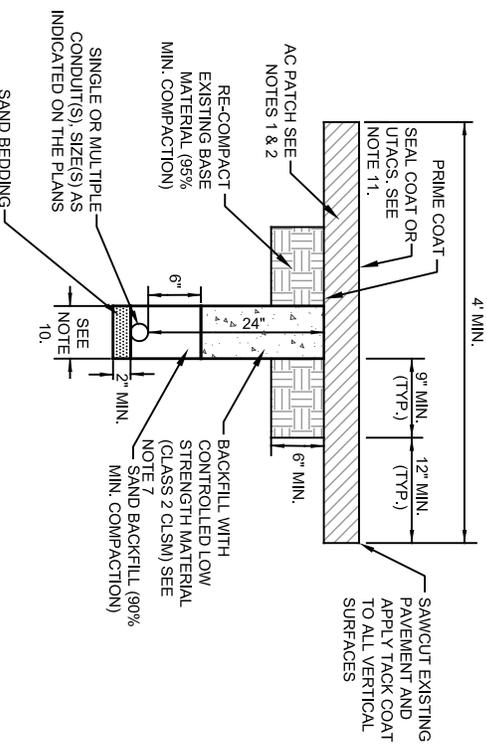
NEVADA DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONDUIT
TRENCHING DETAIL**

Signed Original On File	T-30.1.2.1	(623)
CHIEF SAFETY/TRAFFIC ENGR.	ADOPTED 2/71	REVISION 5/09



C TRENCH BACKFILL DETAIL
IN PAVED AREAS
 (LONGITUDINAL) NTS



D TRENCH BACKFILL DETAIL
IN PAVED AREAS
 (TRANSVERSE) NTS

- NOTES:
1. DEPTH TO MATCH EXISTING AC PAVEMENT, BUT NOT LESS THAN 4 INCHES. PLACED IN MULTIPLE LIFTS OF EQUAL THICKNESS.
 2. PATCH WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE. ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11.
 3. IF SAWCUTS WITHIN 3 FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
 4. IF 24 INCH COVER IS NOT POSSIBLE, THEN RED CONCRETE ENCASUREMENT MIN. 4 INCH ABOVE CONDUIT REQUIRED.
 5. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE INSTALLED TO FINAL GRADE FOR TEMPORARY PATCHING.
 6. PERMANENT PATCH MIX DESIGN SHALL BE AS REQUIRED BY ENGINEER.
 7. NO STONES OR LUMPS GREATER THAN 3 INCH PERMITTED.
 8. TRANSVERSE PAVEMENT PATCHES SHALL BE A MINIMUM WIDTH OF 4 FEET.
 9. LONGITUDINAL PATCHES SHALL BE ONE TRAVEL LANE IN WIDTH WITH SAW CUTS MADE AT THE EDGE OF THE TRAVEL LANE, OR THE SHOULDER IF IT IS A PAVED, MARKED SHOULDER OR THE BIKE LANE IF IT IS A PAVED, MARKED BIKE LANE.
 10. TOTAL TRENCH WIDTH SHALL BE 6 INCH WIDER THAN THE OUTSIDE EDGES OF CONDUIT(S) INSTALLED. USE CONDUIT SPACERS TO SEPARATE MULTIPLE CONDUITS IN TRENCH BY AT LEAST 1 INCH. PLACE SPACERS AT INTERVALS OF 5 FOOT MAXIMUM. CONDUIT(S) SHALL BE CENTERED IN TRENCH.
 11. SEAL COAT IS TO BE APPLIED TO PAVEMENT SURFACE UNLESS UTACS IS TO BE APPLIED AS SPECIFIED ON THE PLANS.