



Department of Administrative Services

Purchasing and Contracts

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CLARK COUNTY, NEVADA

BID NO. 603168-13

NORTHERN CC-215 BRUCE WOODBURY BELTWAY, DECATUR BOULEVARD TO
NORTH 5TH STREET

June 6, 2014

ADDENDUM NO. 8

INVITATION TO BID

1. The bid opening date, which was postponed indefinitely under Addendum 7 dated March 24, 2014, **has been rescheduled to June 27, 2014 at 2:15:00 p.m.**

BID FORM:

2. **Disregard** the Bid Form, pages 4-1 through 4-10 and **replace** with the attached Revised Bid Form, pages 4-1 through 4-10 attached to this Addendum No. 8. Add Bid Attachment 4, titled LOCAL SMALL BUSINESS PARTICIPATION SURVEY.

SPECIAL PROVISIONS

3. SECTION 100 GENERAL

Remove the sign front details indicated on page 100-5 and replace with the RTC Fuel Revenue Index Funded Project Sign detail provided as an attachment to this addendum.

4. SECTION 203 EXCAVATION AND EMBANKMENT

Remove and replace **Subsection 203.05.01 PAYMENT** with the following:

Compensation for roadway embankment shall include all testing required to confirm the suitability of materials, including testing to "fine tune" any required blending to achieve minimum R-values, etc. in the placement of suitable embankment. **Compensation for Roadway Embankment shall include import of aggregate material as necessary to achieve the minimum R Value.**

Compensation for Roadway Excavation, Roadway Embankment, Drainage Channel Excavation and Earthen Landscape / Sound Attenuation Berm Embankment shall include all labor, tools, equipment for borrow, hauling, placement, moisture conditioning, blading, plowing, disking, mixing, screening, compaction, all miscellaneous grading of shoulders, ditches, and transitions, and incidentals as necessary, as shown on the drawings, as specified herein, and as required by the Engineer.

All costs for proper offsite disposal of surplus or "unsuitable" materials inclusive of all stockpile and /or fill site permanent stabilization requirements of Federal, State and Local permitting conditions is considered to be included in the contract price paid per cubic yard of roadway excavation and no additional payment will be made therefore.

The Contractor is advised that Clark County Public Works does not have a site designated for disposal of surplus material. It shall be the Contractor's responsibility to properly dispose of the surplus material offsite and permanently stabilize all material in accordance with Federal, State and local permitting conditions.

Payment will be made under:

Pay Item	Pay Unit
Roadway Excavation	Cubic Yard
Drainage Channel Excavation	Cubic Yard
Roadway Embankment	Cubic Yard
Earthen Landscape / Sound	
Attenuation Berm Embankment	Cubic Yard

5. SECTION 623 SIGNALS, LIGHTING AND INTELLIGENT TRAFFIC SYSTEMS

Remove and replace **Subsection 623.03.22 LED HIGH MAST LUMINAIRES** with the following:

623.03.22 LIGHT EMITTING DIODE (LED) HIGH MAST LUMINAIRES

623.03.22 LIGHT EMITTING DIODE (LED) HIGH MAST LUMINAIRES

All devices shall meet the general specifications of the Transportation Electrical Equipment Specifications (TEES), Chapter 1--General Specifications, Section 86 of the Standard Specifications as well as the following specification. In case of conflict, this specification shall govern over the TEES, Chapter 1.

Glossary of LED Luminaire Terms

Wherever the following terms or abbreviations are used, the intent and meaning shall be interpreted as follows:

CALIPER - Commercially Available LED Product Evaluation and Reporting A US DOE program for the testing and monitoring of commercially available LED luminaires and lights.

Correlated Color Temperature (CCT) - A visible light characteristic of comparing a light source to a theoretical, heated black body radiator. Measured in Kelvin.

Candela (Cd) - Unit of measurement of light intensity.

Chromaticity - The property of color of light

Foot-Candle (fc) - Unit of illuminance

International Protection Rating (IP) - (Sometimes referred to as ingress protection)
Delineation of the level at which foreign objects and water can intrude inside a device.

Junction Temperature - The temperature of the electronic junction of the LED device. The junction temperature is critical in determining photometric performance, estimating operational life, and preventing catastrophic failure of the LED.

L70 - The extrapolated life in hours of the luminaire when the luminous output depreciates 30 percent from initial values.

LED - Light Emitting Diode.

LM-79 -A test method from the Illumination Engineering Society of North America (IESNA) specifying test conditions, measurements and report format for testing solid state lighting devices including LED luminaires.

LM-80- A test method from the Illumination Engineering Society of North America (IESNA) specifying test conditions, measurements and report format for testing and estimating the long term performance of LEDs for general lighting purposes.

METS - Material Engineering and Testing Services of the Translab.

NEMA - National Electrical Manufacturers Association

National Voluntary Laboratory Accreditation Program (NVLAP) - A program under the US DOE to accredit independent testing laboratories to qualify Power factor The ratio of the real power component to the total (complex) power component.

Rated power-The power consumption that the luminaire was designed and tested for at ambient temperature (70°F or 21°C)

Surge Protection Device (SPD) - A subsystem or component(s) that can protect the unit against short duration voltage and current surges.

Total Harmonic Distortion (THD) - The amount of higher frequency power on the power line

A. LED LUMINAIRE GENERAL REQUIREMENTS

1. Each luminaire shall consist of an assembly that utilizes LEDs as the light source. In addition, a complete luminaire shall consist of a housing, LED array, and electronic driver (power supply).
2. Each luminaire shall be rated for a minimum operational life of 63,000 hours.
 - 2.1 Each luminaire will operate at an average operating time of 11.5 hours per night.
 - 2.2 Each luminaire shall have a minimum operational life of 180 months (15 years).
 - 2.3 Each luminaire shall be designed to operate at an average nighttime operating temperature of 70°F.
 - 2.4 The operating temperature range shall be -40°F to +130°F.
 - 2.6 Each luminaire shall meet all parameter of this specification throughout the minimum operational life when operated at the average nighttime operating temperature.
3. The individual LEDs shall be connected such that a catastrophic loss or the failure of one LED will not result in the loss of the entire luminaire.
4. Each luminaire shall be listed with Underwriters Laboratory, Inc. under UL 1598 for luminaires in wet locations, or an equivalent standard from a recognized testing laboratory.

B. LED LUMINAIRE Electrical Requirements

1. Power Consumption: Maximum power consumption allowed for each luminaire shall be 285 W on 70 Ft. High Mast Poles and 551 W on 100 ft. Poles.
2. Operation Voltage: The luminaires shall operate from a 60 HZ \pm 3 HZ AC power source. The fluctuations of line voltage shall have no visible effect on the luminous output.
3. The luminaires shall operate at a voltage of 240 VAC.
4. The luminaires shall have a power factor of 0.90 or greater.
5. THD (current and voltage) induced into an AC power line by a luminaire shall not exceed 20 percent.
6. SPD: The luminaires on-board circuitry shall include SPD to withstand high repetition noise transients as a result of utility line switching, nearby lightning strikes, and other interference. The

SPD shall protect the luminaire from damage and failure for transient voltages and currents as defined in ANSI/IEEE C64.41.2 Tables 1 and 4) for Location Category C-High. SPD shall conform to UL 1449, or UL 1283, depending of the components used in the design. SPD performance shall be tested per the procedures in ANSI/IEEE C62.45 based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C-High.

7. The LED circuitry shall prevent perceptible flicker to the unaided eye over the voltage range specified above.
8. The LED luminaires shall be operationally compatible with currently used lighting control systems, high mast poles, high mast ring assemblies, high mast lowering / raising devices and photoelectric controls along the alignment of the Northern Clark County 215 Bruce Woodbury Beltway: Decatur Boulevard to North 5th Street as detailed in the Improvement Plans.
9. The luminaires and associated on-board circuitry shall meet Class A emission limits referred in Federal Communications Commission (FCC) Title 47, Subpart B, Section 15 regulations concerning the emission of electronic noise.

C. LED LUMINAIRE PHOTOMETRIC REQUIREMENTS

1. The minimum maintained roadway illuminance shall be: 0.6 FC average maintained with a 3:1 average to minimum ratio.
2. The luminaire shall have a correlated color temperature (CCT) range of 5500K +/-500K and the CRI shall be 65 or greater.
3. The luminaire shall not allow more than 10 percent of the rated lumens to project above 80 degrees from vertical.
4. The luminaire shall not allow more than 2.5 percent of the rated lumens to project above 90 degrees from vertical.

D. LED LUMINAIRE THERMAL MANAGEMENT

1. The thermal management (of the heat generated by the LEDs) shall be of sufficient capacity to assure proper operation of the luminaire over the minimum operational life.
2. The LED manufacturer's maximum junction temperature for the minimum operational life shall not be exceeded.
3. The junction-to-ambient thermal resistance shall be 58°F/Watt or less.
4. Thermal management shall be passive by design. The use of fans or other mechanical devices shall not be allowed.
5. The heat sink material shall be aluminum or other material of equal or lower thermal resistance.
6. The luminaire may contain circuitry that will automatically reduce the power to the LEDs to a level that will insure that the maximum junction temperature is not exceeded, when the ambient, outside air temperature is 100°F or greater.

E. LED LUMINAIRE PHYSICAL AND MECHANICAL REQUIREMENTS

1. The luminaire shall be a single, self-contained device, not requiring on-site assembly for installation. The power supply for the luminaire shall be integral to the unit.
2. The maximum weight of the luminaire shall be 80 lbs.

3. Each housing shall be provided with a slip-fitter capable of mounting on a 2 inch pipe tenon.
4. This slip-fitter shall fit on mast-arms from 1-5/8 to 2-3/8 in. (O.D.)
5. The slip-fitter shall be capable of being adjusted a minimum of ± 5 degrees from the axis of the tenon in a minimum of five steps (+5, +2.5, 0, -2.5, -5).
6. The clamping brackets of the slip-fitter shall not bottom out on the housing bosses when adjusted within the designed angular range.
7. No part of the slip-fitter mounting brackets on the luminaires shall develop a permanent set in excess of 1/32 in. when the two or four 3/8 in. diameter cap screws used for mounting are tightened to 10 ft-lb.
8. Two sets of cap screws may be supplied to allow for the slip-fitter to be mounted on any pipe tenon in the acceptable range without the cap screws bottoming out in the threaded holes.
9. The cap screws and the clamping bracket(s) shall be made of corrosion resistant materials and be compatible with the luminaire housing and the mast-arm, or treated to prevent galvanic reactions.
10. The assembly and manufacturing process for the LED luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration from high winds and other sources.
11. The housing shall be designed to prevent the buildup of water on the top of the housing.
12. Exposed heat sink fins shall be oriented so that water can freely run off the luminaire, and carry dust and other accumulated debris away from the unit.
13. The optical assembly of the luminaire shall be protected against dust and moisture intrusion per the requirements of IP-66 (minimum).
14. The electronics/power supply enclosure shall be protected per the requirements of IP-43 (minimum).
15. Each luminaire shall be furnished with an ANSI C136.10 compliant, locking type, Photocontrol receptacle. A rain tight shorting cap must be provided and installed. The receptacle must conform to the requirements of Standard Specification 86-6.07B(1).
16. When available, an ANSI C136.41 compliant, locking type photocontrol receptacle with dimming connections shall be furnished in place of the ANSI C136.10 compliant receptacle.
17. When the components are mounted on a down opening door, the door shall be hinged and secured to the luminaire housing separately from the refractor or lens frame. The door shall be secured to the housing in a manner to prevent its accidental opening. A safety cable shall mechanically connect the door to the housing.
18. Field wires connected to the luminaire shall terminate on a barrier type terminal block secured to the housing. The terminal screws shall be captive and equipped with wire grips for conductors up to No. 6. Each terminal position shall be clearly identified.
19. The power supply shall be contained inside the luminaire.
20. The power supply shall be rated for outdoor operation.

21. The power supply must have a minimum IP rating of IP65.
22. The power supply shall be rated for a minimum life expectancy equal to or greater than the minimum operation life (Section 2.2) of the luminaire.
23. The power supply case temperature shall have a self-rise of 45° F or less above ambient temperature in free air with no additional heat sinks.
24. The power supply shall have two leads to accept standard 0-10V Dimming control. (compatible with IEC 60929 Annex E).
25. If the control leads are open or the analog control signal is lost, the driver will default to 100% power.

F. LED LUMINAIRE MATERIALS

1. Housings shall be fabricated from materials that are designed to withstand a 3000-hour salt spray test as specified in ASTM Designation: B117.
2. Each refractor or lens shall be made from UV inhibited high impact plastic (such as acrylic or polycarbonate) or heat and impact resistant glass, and be resistant to scratching.
3. All aluminum used in housings and brackets shall be a marine grade alloy with less than 0.2% copper. All exposed aluminum shall be anodized.
4. Polymeric materials (if used) of enclosures containing either the power supply or electronic components of the luminaire shall be made of UL94VO flame retardant materials. The len(s) of the luminaire are excluded from this requirement.

G. LED LUMINAIRE IDENTIFICATION

1. Each luminaire shall have the manufacturer's name, trademark, model number, serial number, date of manufacture (month-year), and lot number as identification permanently marked inside the each unit and the outside of each packaging box.
2. The following operating characteristics shall be permanently marked inside each unit: rated voltage and rated power in Watts and Volt-Ampere.

H. LED LUMINAIRE QUALITY ASSURANCE

1. The luminaires shall be manufactured in accordance with a manufacturer quality assurance (QA) program. The QA program shall include two types of quality assurance: (1) design quality assurance and (2) production quality assurance. The production quality assurance shall include statistically controlled routine tests to ensure minimum performance levels of the modules built to meet this specification, and a documented process of how problems are to be resolved.
2. QA process and test results documentation shall be kept on file for a minimum period of seven years.
3. LED luminaire designs not satisfying design qualification testing and the production quality assurance testing performance requirements described below shall not be labeled, advertised, or sold as conforming to this specification.
4. Design Qualification Testing shall be performed by an independent testing lab hired by the manufacturer on new luminaire designs, and when a major design change has been implemented on an existing design. A major design change is defined as a design change (electrical or

physical) which changes any of the performance characteristics of the luminaire, results in a different circuit configuration for the power supply, or changes the layout of the individual LED's in the module.

5. A quantity of two units for each design shall be submitted for Design Qualification Testing.
6. Manufacturer's testing data shall be submitted with test units for NDOT verification of Design Qualification Testing data.
7. Product submittals shall be accompanied by product specification sheets or other documentation that includes the designed parameters as detailed in this specification. These parameters include (but not limited to):
 - 8.1 Maximum power in Watts
 - 8.2 Maximum Designed Junction Temperature
 - 8.3 Heat sink area in square inches.
 - 8.4 Designed junction to ambient thermal resistance calculation with thermal resistance components clearly defined L70 in hours, when extrapolated for the average nighttime operating temperature.
 - 8.5 Product submittals shall be accompanied by IES LM-79 and IES LM-80 compliant test reports from a CALiPER qualified or NVLAP approved testing laboratory for the specific model being submitted.
 - 8.6 Product submittals shall be accompanied by an IES LM63 compliant photometric file (IES) based on the LM-79 test report.
 - 8.7 Product submittals shall be accompanied by initial and depreciated isofootcandle charts showing the specified minimum illuminance curve for that particular application.
 - 8.7.1 The charts shall be calibrated to feet and show a 40 by 40 foot grid.
 - 8.7.2 The charts shall be calibrated to the mounting height specified for that particular application.
 - 8.7.3 The depreciated isofootcandle curve shall be calculated at the minimum operational life.
 - 8.7.4 Product submittals shall be accompanied by a test report showing SPD performance as tested per the definitions and procedures in ANSI/IEEE C62.41.2 and ANSI/IEEE C62.45.
 - 8.7.5 One test unit shall be fitted with temperature sensors
 - 8.7.6 Temperature sensors shall be thermistor or thermocouple type
 - 8.7.7 Thermocouples will be either Type K or Type C.
 - 8.7.8 Thermistors shall be negative temperature coefficient (NTC) type with a nominal resistance of 20k ohm.
 - 8.7.9 Temperature sensors shall be mounted on the LED solder pads as close to the LED as possible.
 - 8.7.10 One temperature sensor shall be mounted on the power supply (driver) case.
 - 8.7.11 Light bar or modular systems shall have one sensor for each module, mounted as close to the center of the module.
 - 8.7.12 Other configurations shall have at least 5 sensors per luminaire. (Contact NDOT for advice on sensor location.)
 - 8.7.13 The appropriate thermocouple wire shall be used. The leads shall be a minimum of 6 ft.
 - 8.7.14 Documentation shall accompany the test unit that details the type of sensor used.
9. The sample luminaires shall be energized for a minimum of 24 hours, at 100 percent on-time duty cycle, at a temperature of +70°F (+21°C) before performing any design qualification testing.
10. Any failure of the luminaire, which renders the unit non-compliant with the specification after burn-in, shall be cause for rejection.

11. The luminaire shall be tested according to California Test No. 678, and as described herein.
12. Luminaire performance shall be judged against the specified minimum illuminance in the specified pattern for a particular application.
13. The luminaire lighting performance shall be adjusted (depreciated) for the minimum life expectancy (Section A. 2.2).
14. The performance shall be adjusted (depreciated) by using the LED manufacturer's data or the data from the LM-80 test report, whichever ever one results in a higher level of lumen depreciation.

I. LED LUMINAIRE WARRANTY

The manufacturer shall provide a warranty against loss of performance and defects in materials and workmanship for the luminaires for a period of 60 months after acceptance of the luminaires. Replacement luminaires shall be provided promptly after receipt of luminaires that have failed at no cost to Clark County Public Works. All warranty documentation shall be given to the Construction Manager prior to random sample testing.

J. LED FIXTURE MATRIX Form A

The shop drawing submittal shall include a copy of the attached Form A with all information completely filled in on the matrix and readily identified in the shop drawing submittal documentation by highlighting and calling out with matching identification number.

Form A

TECHNICAL SPECIFICATIONS

BID NO. _____
LED HIGH MAST FIXTURES

Name of Contractor

INTENT:

The intent of these specifications is to provide a minimum standard for Light Emitting Diode (LED), outdoor high mast, beltway lighting.

These specifications shall be construed as minimum requirements. Should the manufacturer's current published data or specifications exceed these, as determined and approved by the Owner, they shall be considered as minimum specifications and be furnished by the Bidder.

BIDDERS MUST RETURN THE ORIGINAL OR A PHOTOCOPY OF THIS FORM AND MAKE AN ENTRY FOR EACH SPECIFICATION IN THE SPACE PROVIDED OPPOSITE THE SPECIFICATIONS, INDICATING ANY VARIANCES IN THE SPECIFICATION. IF THERE IS NOT ENOUGH SPACE, ATTACH AN ADDITIONAL SHEET OF PAPER.

LOT A – LED FIXTURES (MATERIALS ONLY)		
Manufacturer:		Proposed LED Fixture Model #:
SPECIFICATION NO. 1 – PHOTOMETRIC:		Specification Notes:
1.1	A normal Correlated Color Temperature (CCT) of 5500°K +/-500°K.	
1.2	A Color Rendering Index (CRI) ≥ 65.	
1.3	The individual LED's shall be connected such that a catastrophic loss or failure of one LED will not result in the loss of the entire luminaire.	
1.4	Photometric measurement shall be documented by an independent test lab report according to IESNA specification.	
1.5	LED light distribution shall be in accordance with IESNA Type III distribution with a true 90° light cutoff.	
1.6	Luminaire must operate at 77°F (25°C) for a minimum of 63,000 hours before the LED light output has decreased to 80% of initial output (L80). The power supply shall be rated >= the life of the LED's.	
1.7	The LED circuitry shall prevent perceptible flicker to the unaided eye over the voltage range specified.	
1.8	Fixtures installed for typical lighting for a high mast roadway application shall achieve average minimum foot-candle as outlined in IESNA RP-8-00 (latest edition), (Avg. and E _{avg} /E _{min}) within the given limits of the roadway. Lighting luminaire fixtures are at the mounting height of 70 and 100 ft. Supplier must provide an illuminance study utilizing computer modelling software AGI32 that proves that lighting luminaire standards are met per IESNA RP-08-00.	
1.9	Per IESNA TM-15-2007 (Revised) Backlight, Uplight, and Glare (BUG) rating shall be B3 U1 G3 or better. Fixture should be Dark Sky compliant.	

SPECIFICATION NO. 2 – ELECTRICAL:		
2.1	THD (current and voltage) induced into an AC power line by a luminaire shall not exceed 20%.	

2.2	The luminaires shall have a Power factor of ≥ 0.90 .	
2.3	Nominal operating voltage within a range of 120 to 240 volts at 60 HZ ± 3 HZ.	
2.4	Total power consumption of the fixture, including driver/ballast, shall not exceed 285 Watts on 70' high mast poles and 551 Watts on 100' poles.	
2.5	Fixture shall have a prewired heavy-duty barrier type terminal block, with captive screws capable of terminating up to #6 wire. Each terminal shall be clearly designated as to function voltage etc.	
2.6	Operating temperature range of -40°F to 130°F (-40°C to 54°C).	
2.7	Transient voltage/surge suppression protection must meet or exceed the requirements of ANSI/IEEE C.62.41-1991 Class A operation, which consists of seven strikes of a 100 HZ ring wave, 6 KV level, for both common mode and differential mode.	
2.8	The management of the heat generated by the LED's shall be of sufficient capacity to assure proper operation of the luminaire over the life of the fixture. Heat generated by the power supply shall have a self-rise $\leq 45^\circ\text{F}$ above ambient temperature with no additional heat sink.	
2.9	Maximum junction temperature of the LED's (as per LED manufacturer's specification) shall not be exceeded.	
2.10	A junction to ambient thermal resistance of 58°F/Watt or less shall be observed.	
2.11	The fixture may contain circuitry to adjust lighting output when the ambient temperature exceeds 100°F, so that maximum junction temperature will not be violated.	
2.12	Each luminaire shall be listed with Underwriters Laboratory, Inc. under UL 1310 class 2, UL 1598 or UL 8750 or approved equivalent. Any polymeric materials used (excluding the lens) shall be rated UL94VO (flame retardant)	
2.13	The luminaires and associated on board circuitry shall meet FCC 47 CFR 15/18.	
SPECIFICATION NO. 3 – HOUSING:		
3.1	The fixture shall be built such that all components are supported to withstand mechanical shock and vibration as would be encountered during normal use.	
3.2	The housing shall be constructed of die cast aluminum (marine grade $<0.2\%$ copper) all exposed surfaces shall be coated or protected.	
3.3	Lens shall be made of high impact acrylic, polycarbonate, and or heat and impact resistant glass.	
3.4	The luminaire shall be a single self-contained device, not requiring on-site assembly for installation. Driver(s) mounted internally and replaceable.	
3.5	All parts to be corrosion resistant.	
3.6	Fixture shall have a heat sink of aluminum or other material of equal or lower thermal resistance integrated into fixture body, and shall be resistant to debris buildup that may cause degraded heat dissipation. The housing shall be designed to prevent the buildup of water on the top of the housing, and to facilitate the removal of dust from the heat sink and housing.	
3.7	Thermal management shall be passive by design. The use of fans, liquids or other mechanical devices shall not be allowed.	
3.8	Fixture shall have a photoelectric receptacle, 3-prong twist-lock per ANSI C136.10. The receptacle (socket) will need to be able to rotate to face north direction without the use of tools. A rain tight shorting cap must be provided and installed. The receptacle must conform to the requirements of standard specifications 86-6.07B(1).	
3.9	When available, an ANSI C136.41 compliant, locking type photoelectric receptacle with dimming connections shall be furnished in place of the ANSI C136.10 compliant receptacle. The power supply shall be compliant with IEC 60929 Annex E, with two	

	leads for 0-10V dimming control. The default for dimming shall be 100% output.	
3.10	The fixture shall have a slip-fitter capable of adapting to 1-5/8-inch through 2-3/8 inch (OD) pipe bracket without rearrangement of parts and be adjustable +5° degrees from horizontal with a minimum of five steps (+5,+2.5,0,-2.5,-5). There shall be no more than four (4) 9/16-inch hex bolts to secure fixture to pipe. Bolts shall be secured from bottom of fixture and mounted internally.	
3.11	The optical assembly of the fixture shall have a minimum IP-65 rating to protect internal components.	
3.12	The electronics/power supply enclosure shall be protected per the requirements of IP-43 (minimum).	
3.13	Clamping brackets shall not bottom out on the housing when adjusted within the designed range. Parts of the slip fitter assembly shall not develop a permanent set >1/32 inch when cap screws are tightened properly. Sets of two or four cap screws may be used, but the cap screws shall not bottom out on the holes when assembled correctly on the pipe sizes as specified. Cap screws and the associated hardware shall be designed in such a way as to prevent corrosion from galvanic processes.	
SPECIFICATION NO. 4 – FIXTURE IDENTIFICATION:		
4.1	Each fixture shall have the manufacturer's name, trademark, model number, serial number, date of manufacture (month/year), and lot number permanently marked on inside of each unit.	
4.2	Operating characteristics shall be permanently marked inside each unit: Voltage rating, power rating (in watts and volt-ampere) and fixture efficiency rating (LER).	
4.3	Each LED light source shall be permanently marked with correlated color temperature (CCT) rating in Kelvin, color rendering index (CRI) and wattage driver current.	
SPECIFICATION NO. 5 – MEASUREMENTS AND PERFORMANCE:		
5.1	IESNA LM-79-08 Approved method for electrical and photometric measurements of solid-state lighting products.	
5.2	IESNA LM-80-08 Approved method for measuring lumen maintenance of LED lighting sources.	
5.3	IESNA data files shall be submitted for each fixture type, and also must include photometric test results for 70 foot and 100 foot mounting heights.	
SPECIFICATION NO. 6 – WARRANTY:		
A warranty must be provided for the replacement or repair of the fixture due to any electrical failure (including light source and power supplies/drivers) for a minimum of five (5) years after final acceptance of the materials. Contractor shall provide all warranty documents to Clark County Public Works Traffic Management Divisions at time of product delivery. Documents shall contain project name, bid number of the project, manufacturer, brand, model, and quantity of fixtures delivered.		

- K. For a specific fixture to be approved, an independent evaluation using a modeling software program, shall be submitted by the contractor for review by the Owner. The "IES" photometric file shall be loaded into the model, and all requisite inputs shall conform to the lighting standards as established in RP-08-00. The software program shall perform the analysis for the ultimate number of beltway lanes. Assume the ultimate beltway configuration will be two additional 12-foot lanes plus two 10-foot shoulders will be added to the inside toward the median. The successful bidder shall provide the lighting model input file and output file to CCPW Traffic Management Division and CCPW Design Division, as part of the shop drawing submittal for review by Owner. Bidders shall be provided autocad files to formulate the input files for the lighting model.
- L. For each fixture assessed, upon determination of the adequate illumination capability by means of the computer model and based on the given roadway specifications, the vendor shall deliver a sample of the luminaire types specified for further agency evaluation. The lowest responsive bidder shall provide Clark County Public Works with a sample of the LED fixture, cut-sheets, and all other relevant data sheets for approval prior to purchase of the fixture by the contractor. The lowest responsive bidder shall ship the fixture to Clark County Traffic Operations at 5821 E. Flamingo Road. Shipping shall be provided at no cost to Clark County to transport the fixture to and from Traffic Operations. No obligation of purchase is implied. Final approval and acceptance of the respective luminaires for a specific application shall be at the sole discretion of the Agency, and fixtures for the project shall only be purchased upon receiving final approval from Clark County.

The following forms are added to the end of this section:

**CLARK COUNTY PUBLIC WORKS TRAFFIC MANAGEMENT DIVISION
TRAFFIC ASSET DATA COLLECTION FORMS
FORM 1 – SIGNAL ASSET**

SIGNAL ASSET:

Signal Type: _____ (Traffic / Fire / School Flasher / Pedestrian Flasher)

Street name 1 _____
Street name 2 _____

Controller Cabinet:

Type: _____ (R-type / School / Other - Specify)

X _____ Y _____

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Service Pedestal: X _____ Y _____

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Address: _____

Meter #: _____

Amp Rating: _____ (200A / 125A / Other)

Poles:

Pole Type: _____ (1A / 1B / XX / XX-A / XX-B / TYPE 7 / SPECIAL)

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____

Mast arm length: _____ (Feet)

Luminaries: _____ (1 / 2)

X _____ Y _____

Pole Type: _____ (1A / 1B / XX / XX-A / XX-B / TYPE 7 / SPECIAL)

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____

Mast arm length: _____ (Feet)

Luminaries: _____ (1 / 2)

X _____ Y _____

Pole Type: _____ (1A / 1B / XX / XX-A / XX-B / TYPE 7 / SPECIAL)

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____

Mast arm length: _____ (Feet)

Luminaries: _____ (1 / 2)

X _____ Y _____

Pole Type: _____ (1A / 1B / XX / XX-A / XX-B / TYPE 7 / SPECIAL)

Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____

Mast arm length: _____ (Feet)

Luminaries: _____ (1 / 2)

X _____ Y _____

**CLARK COUNTY PUBLIC WORKS TRAFFIC MANAGEMENT DIVISION
TRAFFIC ASSET DATA COLLECTION FORMS
FORM 1 – SIGNAL ASSET**

SIGNAL ASSET (CONTINUED)

Pull Boxes:

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / 7 / P30 / T200 / other)
Corner/median: _____ (NE / NW / SE / SW / N / S / E / W)
X _____ Y _____

**CLARK COUNTY PUBLIC WORKS TRAFFIC MANAGEMENT DIVISION
TRAFFIC ASSET DATA COLLECTION FORMS
FORM 2 – STREET LIGHTING**

STREET LIGHTING

Circuit: _____ (A, B, C, etc.)

Service Pedestal: X _____ Y _____

Address: _____

Meter #: _____

Amp Rating: _____ (200A / 125A / Other)

Poles:

Pole designation: _____ (A-1, A-2, etc.; must be same designation from the plans)

Street name: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____ (Feet)

Pole Type: _____ (CCPW, NDOT, Summerlin, Southern Highland, Other - Specify)

Pole Base: _____ (Standard, Safety)

Pole Gage: _____ (7, 11, Other - Specify)

Luminaire arms: _____ (single, double)

Luminaire arm type: _____ (3-Bolt / Single Bolt)

Luminaire arm length: _____ (Feet) (8', 12', 15', 18')

Fixture type: _____ (HPS / Induction / LED)

Fixture Wattage: _____

Voltage: _____ (120 / 240 / 277)

X _____ Y _____

Pole designation: _____ (A-1, A-2, A-3, etc.; must be same designation from the plans)

Street name: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____ (Feet)

Pole Type: _____ (CCPW, NDOT, Summerlin, Southern Highland, Other - Specify)

Pole Base: _____ (Standard, Safety)

Pole Gage: _____ (7, 11, Other - Specify)

Luminaire arms: _____ (single, double)

Luminaire arm type: _____ (3-Bolt / Single Bolt)

Luminaire arm length: _____ (Feet) (8', 12', 15', 18')

Fixture type: _____ (HPS / Induction / LED)

Fixture Wattage: _____

Voltage: _____ (120 / 240 / 277)

X _____ Y _____

Pole designation: _____ (A-1, A-2, A-3, etc.; must be same designation from the plans)

Street name 1: _____ (NE / NW / SE / SW / N / S / E / W)

Pole Height: _____ (Feet)

Pole Type: _____ (CCPW, NDOT, Summerlin, Southern Highland, Other - Specify)

Pole Base: _____ (Standard, Safety)

Pole Gage: _____ (7, 11, Other - Specify)

Luminaire arms: _____ (single, double)

Luminaire arm type: _____ (3-Bolt / Single Bolt)

Luminaire arm length: _____ (Feet) (8', 12', 15', 18')

Fixture type: _____ (HPS / Induction / LED)

Fixture Wattage: _____

Voltage: _____ (120 / 240 / 277)

X _____ Y _____

**CLARK COUNTY PUBLIC WORKS TRAFFIC MANAGEMENT DIVISION
TRAFFIC ASSET DATA COLLECTION FORMS
FORM 2 – STREET LIGHTING**

STREET LIGHTING (CONTINUED)

Pull Boxes:

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

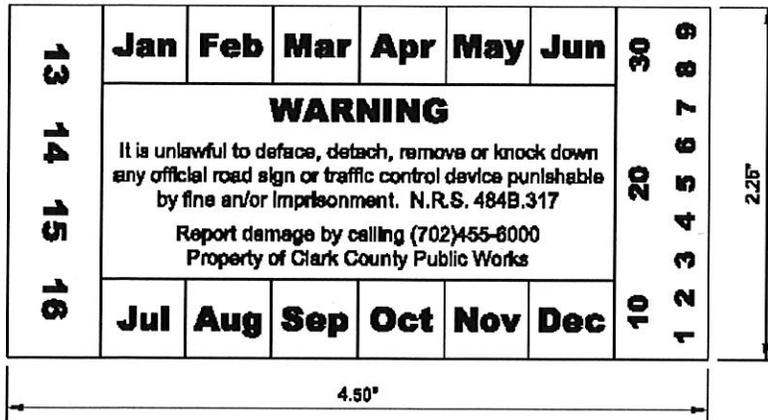
Pull Box Type: _____ (3½ / 5 / Other)
X _____ Y _____

5. Section 627 PERMANENT SIGNS

627.03.03 INSTALLATION

Add the following to this subsection:

A 4.50-inch x 2.25-inch (length x width) sticker shall be placed on the back of each sign on the lower right hand corner when facing the rear of the sign. The sticker shall have the date of installation, consisting of day, month and year, hole-punched prior to affixing to the rear of the sign. The sign sticker shall be made with ASTM Type III yellow reflective sheeting, silk screen printed with the information shown below in black, and overlaid with anti-graffiti protective overlay film.



Add the following to this subsection:

Rivets used for the installation of ground mounted signs shall be all steel drive rivets. Aluminum alloy rivets shall not be used. Rivets shall have 3/8-inch diameter x minimum 1/2-inch long, conforming to ASTM A502, Grade 1. Zinc plated stainless steel fender washers shall be used between the drive rivets and the sign panel. Fender washer shall have a minimum thickness of 3/8-inch, a minimum outside diameter of 1-1/4-inch and fit a bolt size of 3/8-inch diameter. For signs with an area of eight (8) square foot or larger, 2-inch diameter fender washers shall be used.

Pole mounted signs shall be installed using stainless steel bandings, stainless steel flared leg brackets with 5/16-inch diameter x 3/4-inch long bolts, and 2-inch diameter x 3/8-inch thickness fender washers. Zinc plated stainless steel fender washers shall be used between the bolts and the sign panel. The banding shall be 5/8-inch wide x 0.030-inch thickness with 5/8-inch buckles.

All mast arm mounted signs, including the horizontal blank sign, shall be mounted using back-bracing straps and brackets. Straps shall be aluminum straps of a minimum size of 1/8-inch thickness x 2-inch wide. Brackets shall be 12 gauge zinc plated stainless steel flared leg bracket, with 5/16-inch diameter stainless steel theft-proof bolt or standard hex washer face bolt. A fender washer of a minimum size of 1-1/4-inch diameter shall be installed on the front side of the sign in addition to the neoprene washer, and also behind the bracket strap, with lock and nut. Signs 24-inch (width) or smaller shall have a minimum of one (1) strap. Signs 24-inch (width) or larger and smaller than 48-inch (width) shall have a minimum of two (2) straps. Signs 48-inch (width) or larger shall have a minimum of three (3) straps. Double panel signs require special bracket mounting system, and shall be designed and stamped by a registered Professional Engineer in Nevada.

The following forms are added to the end of this section:

CLARK COUNTY PUBLIC WORKS TRAFFIC MANAGEMENT DIVISION
TRAFFIC ASSET DATA COLLECTION FORMS
FORM 3 – PERMANENT SIGNS

PERMANENT SIGNS

Sign Designation: _____ (R1-1, R2-1, etc.)
Sign Description: _____ (Stop, Speed Limit XX, etc.)
Route: _____ (Name of street where the sign is located)
Street Ahead: _____ (Closest street ahead)
Street Back: _____ (Closest street behind)
Sign Size: _____
Type: _____ (Post mounted / Ground Mounted/ Mast Arm Mounted/Sign Structure/Other)
Sign faces direction: _____ (N, S, E, W)
X _____ Y _____

Sign Designation: _____ (R1-1, R2-1, etc.)
Sign Description: _____ (Stop, Speed Limit XX, etc.)
Route: _____ (Name of street where the sign is located)
Street Ahead: _____ (Closest street ahead)
Street Back: _____ (Closest street behind)
Sign Size: _____
Type: _____ (Post mounted / Ground Mounted/ Mast Arm Mounted/Sign Structure/Other)
Sign faces direction: _____ (N, S, E, W)
X _____ Y _____

Sign Designation: _____ (R1-1, R2-1, etc.)
Sign Description: _____ (Stop, Speed Limit XX, etc.)
Route: _____ (Name of street where the sign is located)
Street Ahead: _____ (Closest street ahead)
Street Back: _____ (Closest street behind)
Sign Size: _____
Type: _____ (Post mounted / Ground Mounted/ Mast Arm Mounted/Sign Structure/Other)
Sign faces direction: _____ (N, S, E, W)
X _____ Y _____

Sign Designation: _____ (R1-1, R2-1, etc.)
Sign Description: _____ (Stop, Speed Limit XX, etc.)
Route: _____ (Name of street where the sign is located)
Street Ahead: _____ (Closest street ahead)
Street Back: _____ (Closest street behind)
Sign Size: _____
Type: _____ (Post mounted / Ground Mounted/ Mast Arm Mounted/Sign Structure/Other)
Sign faces direction: _____ (N, S, E, W)
X _____ Y _____

Sign Designation: _____ (R1-1, R2-1, etc.)
Sign Description: _____ (Stop, Speed Limit XX, etc.)
Route: _____ (Name of street where the sign is located)
Street Ahead: _____ (Closest street ahead)
Street Back: _____ (Closest street behind)
Sign Size: _____
Type: _____ (Post mounted / Ground Mounted/ Mast Arm Mounted/Sign Structure/Other)
Sign faces direction: _____ (N, S, E, W)
X _____ Y _____

6. SECTION 640 RETAINING WALLS

Remove and replace this entire Section:

640.01.01 GENERAL

Add the following to this subsection:

Sound Wall shall be constructed in accordance with Section 502, "Concrete Structures." Measurement and Payment shall be in accordance with Subsections 640.04 and 640.05 respectively.

640.01.01 METHOD OF MEASUREMENT

Add the following to this subsection:

Sound Wall shall be measured by the square foot measured along one face of the wall, from the top of the footing to the top of wall, as shown on the plans.

640.05.01 BASIS OF PAYMENT

Add the following to this subsection:

Payment for Sound Wall shall include full compensation for all work necessary to complete the Sound Wall in accordance with these specifications and the details shown on the plans, including all labor, materials and equipment for removal and replacement of gravel mulch inclusive of the application of pre-emergent herbicide, excavation, backfill, Portland Cement Concrete, reinforcing steel, wall finishes and paint / stain.

<u>Pay Item</u>	<u>Pay Unit</u>
Sound wall	Square Foot

7. SECTION 729 TRAFFIC PAINT

Remove and replace this entire Section:

SECTION 729 TRAFFIC PAINT

PHYSICAL PROPERTIES AND TESTS

729.01.01 MATERIALS COVERED:

Contractor shall provide and install the type(s) of pavement marking materials as specified in the plans. No substitutions of types of materials will be allowed.

729.03.05 PAINT FOR TRAFFIC STRIPING, PAVEMENT MARKING, AND CURB MARKING – GENERAL

Contractor shall use an approved material listed under Rapid Dry Waterborne Paint – Permanent Striping Formulations (Type II) in the current NDOT QPL that also meets the requirements set forth in the Standard Specifications and these special provisions. A material listed in the NDOT QPL is not guaranteed to be accepted for use on this project. Contractor's shop drawings/materials submittals for approval of materials that are in the NDOT QPL which do not meet the requirements in the Standard Specifications and the special provisions will be rejected.

729.03.06 PAVEMENT MARKINGS

Type 2 pavement marking material shall also meet the RTC "Heavy Traffic" performance criteria.

Type 2 film shall have a min. thickness of 0.065 inches and shall provide a minimum service period of 3 years.

Qualified Products List

For transverse pavement marking applications, Contractor shall use an approved material listed under Pavement Marking Tape (Type II) in the current NDOT QPL that also meets the Type 2 pavement marking material requirements set forth in the Standard Specifications and these special provisions. A material listed in the NDOT QPL is not guaranteed to be accepted for use on this project. Contractor's shop drawings/materials submittals for approval of materials that are in the NDOT QPL which do not meet the requirements in the Standard Specifications and the special provisions will be rejected.

The following products have been approved for transverse pavement marking applications in this contract:

ATM - 400 Tape or approved equal. Product manufacturer shall provide specifications that prove it meets the criteria for "Heavy Traffic" applications. Note: Previously approved products that do not meet these criteria will not be accepted.

Polyurea paint used for pavement markings shall conform to materials requirements listed in RTC Standard Specification (Bluebook) Subsection 714.03.11, "Polyurea Paint for Traffic Markings."

Type 1 pavement marking material shall also meet the "Heavy Traffic" performance criteria establish in the RTC Standard Specifications.

For longitudinal pavement marking applications, Contractor shall use an approved material listed under Pavement Marking Tape (Type IV) in the current NDOT QPL that also meets the Type 1 pavement marking material requirements set forth in the Standard Specifications and these special provisions. A material listed in the NDOT QPL is not guaranteed to be accepted for use on this project. Contractor's shop drawings/materials submittals for approval of materials that are in the NDOT QPL which do not meet the requirements in the Standard Specifications and the special provisions will be rejected.

729.03.11 POLYUREA PAINT FOR TRAFFIC MARKINGS

Qualified Products List

For longitudinal pavement marking applications, Contractor shall use an approved material listed under Paint Marking Material (Polyurea) in the current NDOT QPL that also meets the Polyurea Paint requirements set forth in the Standard Specifications and these special provisions. A material listed in the NDOT QPL is not guaranteed to be accepted for use on this project. Contractor's shop drawings/materials submittals for approval of materials that are in the NDOT QPL which do not meet the requirements in the Standard Specifications and the special provisions will be rejected.

8. IMPROVEMENT PLANS

SHEET D3

Remove and replace Sheet D3.

Clarifying Statement:

Round post mounting plate detail has been added.

SHEET L-28

Remove and replace Sheet L-28.

Clarifying Statement:

Proposed High Mast Lighting Summary Table has been revised.

SHEET L-37

Remove and replace Sheet L-37.

Clarifying Statement:

Conduit No 1905 and 1906 wiring schedules have been revised.

Sheet SW-1

Add Sheet SW-1

Clarifying Statement:

New sound wall to be constructed in the Northwest quadrant of the CC 215 / Jones Blvd. Interchange.

9. NV Energy Plan Sheets

Include NVE Sheets 1 of 2 and 2 of 2 provided as an attachment to this addendum to the Project Improvement Plans.

Clarifying Statement:

All "By Customer" work items indicated on these NV Energy plan sheets are already included in Section 623 Pay Items.

10. RESPONSES TO PERSPECTIVE BIDDER QUESTIONS

- Question No. 1: Plan Sheet TY-01 & TY-02 Structural Section Detail Specifically calls out 12" and or 24" of Selected Borrow Embankment to be placed in the Mainline Beltway, Shoulders and Ramps. However, there is not a Pay Item designated for this work.
- Response No. 1: Roadway Embankment Material is Select Borrow.
- The First paragraph of Subsection 203.03.15 EMBANKMENT MATERIALS states: *"All materials utilized in Roadway Embankment material shall be **Select Borrow** having a maximum particle size of 3 inches and a minimum R-value of 45."*
- Question No. 2: Plan Sheet 146 of 252 D-1 does not specifically call out Cut-off walls for the Channel Bottom. Can you please specify the dimensions and spacing for such Cut-off walls.
- Response No. 2: Cutoff walls are to be constructed at each expansion joint. Cutoff Wall detail and Stations are presented in the upper right of Sheet S-01 (Sheet 212 of 252).
- Question No. 3: Plan Sheet 146 of 242 D-1 Typical Excavation Sections makes mentions and drawings indicate that a ¾" Drain Backfill will be placed at the Bottom of the Channel Wall. Does this ¾" Drain Backfill run the entire length of the Channel or is it specific to weep Holes being placed for the Channel. If it is for the later, please specify the spacing for the Weep Holes.
- Response No. 3: Wall drain detail is shown on Sheet S-01(Sheet 212 of 252). Drain rock and fabric to run continuous between drains.
- Question No. 4: Rather than drill holes in the wall and possibly hit rebar is it possible to install embeds as the wall is being poured?

Response No. 4: Refer to Subsection 502.01.02 CONCRETE STRUCTURE SUBMITTALS.
All appurtenances, inclusive of embedded hardware, must be included on structural shop drawings for review and approval.

Question No. 5: Item 202.06 Does the cost of removal include removing the footings?

Response No. 5: Refer to Subsection 202.05.01 PAYMENT
Removal of concrete bases from posts shall be included as part of the pertinent pay item of work.

Question No. 6: Is this removed chain link to be installed elsewhere on the job?

Response No. 6: No.*
*The Construction Manager may determine removed materials are of acceptable quality and condition to be reused on the Project.

Question No. 7: Item 202.28 Is the chain link AND post being replaced or just the chain link (and tension wire)?

Response No. 7: All existing fencing fabric, posts, tension wire, hardware, etc. are to be removed and replaced.*
*The Construction Manager may determine removed materials are of acceptable quality and condition to be reused on the Project.

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

ISSUED BY:



THOMAS E. BOLDT, C.P.M.
Senior Purchasing Analyst

Attachments: Revised Bid Form pages 4-1 through 4-10
Bid Attachment 4
Sheet L-28 198
Sheet L-37 207
NVE Sheet 1 of 2
NVE Sheet 2 of 2
Sheet D3 148
Sheet SW-1 252A
Construction Sign

cc: Roy Davis, P.E., Public Works
Joe Yatson, P.E., Public Works
Mike Mamer, Public Works
Cindy Beauchamp, Public Works
Jeff Herrick, VTN Nevada

CLARK COUNTY, NEVADA

BID FORM

BID NO. 603168-13

NORTHERN CC-215 BRUCE WOODBURY BELTWAY, DECATUR BOULEVARD TO NORTH 5TH STREET

PWP NUMBER: CL-2014-84

REVISED PER ADDENDUM NO. 8

(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.
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, 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. This Attachment will be time stamped by the Purchasing and Contracts Division. I understand that submission after the two-hour time limit is not allowed and will be returned to me and the bid may be deemed non-responsive. I acknowledge that for:
 - a) Projects EXCEEDING \$5,000,000
I need to list only Subcontractors that will provide labor/improvements exceeding one percent (1%) of the Prime Contractor's total base bid amount, or \$50,000.00, whichever is greater.
5. I acknowledge that if I am one of the apparent low bidders at bid opening, and if I have submitted the Certificate of Eligibility as required, 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 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. This Bid Attachment will be time stamped by the Purchasing and Contracts Division. I understand that submission after the two-hour time limit is not allowed and will be returned to me and the bid may 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 my bid is based on the current State of Nevada prevailing wages and/or the current Davis-Bacon wage rates, whichever is greater.

8. 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.
9. 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.
10. 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 **\$3,000** per day as liquidated damages.
11. 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.
12. 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**.
13. 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.
14. 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.
15. 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.
16. 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, _____

17. 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
109.01	HISTORICAL OWNER CAUSED DELAY ALLOWANCE	20	DAY	\$10,000.00
109.02	ADDITIONAL AMOUNT OVER \$500/DAY AS DETERMINED BY BIDDER	20	DAY	
109.03	CONSTRUCTION CONFLICT AND ADDITIONAL WORK	1	LS	\$750,000.00

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
110.01	TRAINING	8000	HOURS	\$11,200.00
201.01	CLEARING AND GRUBBING	1	LS	
202.01	REMOVE AND SALVAGE SIGNS	40	EA	
202.02	REMOVE BITUMINOUS SURFACE	92,450	SY	
202.03	REMOVE RAISED PAVEMENT MARKERS	1	LS	
202.04	REMOVE STRIPING	1	LS	
202.05	REMOVE GRAVEL MULCH	7,900	SY	
202.06	REMOVE GUARD RAIL	1,744	LF	
202.07	REMOVE GUIDE POST	10	EA	
202.08	REMOVE RIP RAP	9,653	SY	
202.09	REMOVE AND SALVAGE PORTABLE PRECAST BARRIER RAIL	4,338	LF	
202.10	REMOVE AND SALVAGE STREET LIGHT	13	EA	
202.11	REMOVE AND SALVAGE PULL BOX	36	EA	
202.12	REMOVE AND SALVAGE ORIFICE PLATE	3	EA	
202.13	REMOVE 18-INCH RCP	428	LF	
202.14	REMOVE 24-INCH RCP	116	LF	
202.15	REMOVE 30-INCH RCP	1,221	LF	
202.16	REMOVE 8' X 5' RCB	51	LF	
202.17	REMOVE 8' X 6' RCB	436	LF	
202.18	REMOVE DUAL 8' X 4' RCB	121	LF	
202.19	REMOVE DUAL 8' X 6' RCB	343	LF	
202.20	REMOVE WINGWALLS @ "CH1" 130+77.31	2	EA	
202.21	REMOVE INLET	7	EA	
202.22	REMOVE RCP HEADWALL	10	EA	
202.23	REMOVE RCP END SECTION	4	EA	
202.24	REMOVE STORM DRAIN MANHOLE	2	EA	
202.25	REMOVE CONCRETE WEIR STRUCTURE	2	EA	
202.26	REMOVE AND SALVAGE FENCE	7,701	LF	
202.27	REMOVE AND SALVAGE GATE	5	EA	
202.28	REMOVE AND REPLACE FENCE	2,985	LF	
202.29	REMOVE 12' CONCRETE MAINTENANCE RAMP	1	LS	
202.30	REMOVE AND RESET RIP RAP	189	SY	
202.31	REMOVE CONCRETE BARRIER RAIL	1,301	LF	
202.32	REMOVE AND SALVAGE SAND BARREL ATTENUATOR	2	EA	

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
203.01	ROADWAY EXCAVATION	868,900	CY	
203.02	DRAINAGE CHANNEL EXCAVATION	324,690	CY	
203.03	ROADWAY EMBANKMENT	72,670	CY	
203.04	EARTHEN LANDSCAPE / SOUND ATTENUATION BERM EMBANKMENT	314,300	CY	
208.01	TRENCH OVER-EXCAVATION AND COMPACTED IMPORTED AGGREGATE BEDDING	1,000	CY	
208.02	CHANGES IN EARTHWORK QUANTITIES BEFORE / AFTER INITIAL TRENCHING	2,000	CY	
302.01	TYPE 2, CLASS A AGGREGATE BASE	19,100	CY	
302.02	TYPE 2, CLASS B AGGREGATE BASE	5,700	CY	
402.01	PLANTMIX BITUMINOUS SURFACE (BELTWAY RAMPS AND STREETS)	1,810	TON	
402.02	PLANTMIX BITUMINOUS SURFACE (BELTWAY SHOULDERS)	9,260	TON	
402.03	PLANTMIX BITUMINOUS SURFACE (BELTWAY PCCP FOUNDATION COURSE)	22,330	TON	
409.01	PORTLAND CEMENT CONCRETE PAVING (12-INCH)	93,835	SY	
409.02	PROFILOGRAPH EXISTING PCCP	5,235	LF	
413.01	5/8 INCH UTACS	4,515	SY	
502.01	CONCRETE BARRIER RAIL (TYPE FA)	9,539	LF	
502.02	CONCRETE BARRIER RAIL (TYPE FB)	9,080	LF	
502.03	18'X9.5'/12' RECTANGULAR CHANNEL	157	LF	
502.04	20' x 10' RECTANGULAR CHANNEL	3,440	LF	
502.05	21' x 8' RECTANGULAR CHANNEL	964	LF	
502.06	21' x 8.5' RECTANGULAR CHANNEL	1,529	LF	
502.07	21' x 8.5'/11' RECTANGULAR CHANNEL	391	LF	
502.08	21' x 9.5' RECTANGULAR CHANNEL	986	LF	
502.09	21' x 10.5' RECTANGULAR CHANNEL	759	LF	
502.10	22' x 9.5' RECTANGULAR CHANNEL	1,537	LF	
502.11	22'X9.5'/12' RECTANGULAR CHANNEL	27	LF	
502.12	7' x 5' RCB	219	LF	
502.13	7.5' x 5.5' RCB	59	LF	
502.14	8' x 6' RCB (CLARK COUNTY SUPPLIED)	258	LF	
502.15	20' x 8' RCB	553	LF	
502.16	22' x 8' RCB	200	LF	
502.17	TRANSITION STRUCTURE - "CH1" 131+37.31 to "CH1" 132+27.31	1	LS	
502.18	TRANSITION STRUCTURE - "CH1" 134+39.50 to "CH1" 134+80.75	1	LS	
502.19	TRANSITION STRUCTURE - "CH1" 155+48.57 to "CH1" 156+16.07	1	LS	

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
502.20	TRANSITION STRUCTURE - "CH1" 191+12.00 to "CH1" 191+68.18	1	LS	
502.21	TRANSITION STRUCTURE - "CH1" 195+80.35 to "CH1" 196+47.85	1	LS	
502.22	RCB TRANSITION STRUCTURE - "CH1" 152+75.00 to "CH1" 152+90.00	1	LS	
502.23	RCB TRANSITION STRUCTURE - "TRIB4" 133+22.97 to "TRIB4" 133+25.94	1	LS	
502.24	CONFLUENCE STRUCTURE - "CH1" 130+77.31 to "CH1" 131+37.31	1	LS	
502.25	CONFLUENCE STRUCTURE - "CH1" 133+84.50 to "CH1" 134+39.50	1	LS	
502.26	CONFLUENCE STRUCTURE - "CH1" 154+90.57 to "CH1" 155+48.57	1	LS	
502.27	CONFLUENCE STRUCTURE - "CH1" 195+20.35 to "CH1" 195+80.35	1	LS	
502.28	WALL HEIGHT TRANSITION STRUCTURE "CH1" 135+07.63 to 135+35.00.	1	LS	
502.29	WALL HEIGHT TRANSITION STRUCTURE "CH1" 150+45.00 to 150+75.00.	1	LS	
502.30	WALL HEIGHT TRANSITION STRUCTURE "CH1" 203+23.61 to 203+40.00.	1	LS	
502.31	WALL HEIGHT TRANSITION STRUCTURE "CH1" 207+00.00 to 207+30.62.	1	LS	
502.32	WALL HEIGHT TRANSITION STRUCTURE "CH1" 220+00.00 to 220+07.00.	1	LS	
502.33	WALL HEIGHT TRANSITION STRUCTURE "CH1" 229+70.65 to 229+80.00.	1	LS	
502.34	WALL HEIGHT TRANSITION STRUCTURE "CH1" 232+40.00 to 232+50.00.	1	LS	
502.35	WALL HEIGHT TRANSITION STRUCTURE "CH1" 235+60.00 to 235+71.43.	1	LS	
502.36	WALL HEIGHT TRANSITION STRUCTURE "CH1" 243+30.00 to 243+52.35.	1	LS	
502.37	NDOT CULVERT HEADWALL	1	EA	
502.38	ACCESS RAMP - "CH1" 209+82.55 to "CH1" 211+16.50	1	LS	
502.39	FLOOD CONTROL DISTRICT MONITORING STATION	1	LS	
603.01	18-INCH RCP (Class III)	844	LF	
603.02	18-INCH RCP (Class V)	78	LF	
603.03	24-INCH RCP (Class III)	301	LF	
603.04	30-INCH RCP (Class III)	188	LF	
603.05	36-INCH RCP (Class III)	1,109	LF	
603.06	42-INCH RCP (Class IV)	54	LF	
603.07	48-INCH RCP (Class III)	657	LF	
603.08	48-INCH RCP (Class IV)	64	LF	
603.09	54-INCH RCP (Class III)	740	LF	
603.10	24-INCH NDOT RCP END SECTION	4	EA	
603.11	48-INCH NDOT RCP END SECTION	3	EA	
609.01	MODIFIED TYPE 2A DROP INLET	5	EA	

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
609.02	NDOT TYPE 8 DROP INLET	1	EA	
609.03	MODIFIED NDOT TYPE 8 DROP INLET	4	EA	
609.04	NDOT TYPE 3 PIPE RISER WITH CONCRETE APRON	7	EA	
609.05	CLARK COUNTY 60-INCH TYPE 1 MANHOLE	2	EA	
609.06	CLARK COUNTY TYPE III MANHOLE	2	EA	
609.07	NDOT TYPE 4 MANHOLE	2	EA	
609.08	ADJUST STORM DRAIN MANHOLE TO GRADE	5	EA	
610.01	GRAVEL MULCH	339,600	SY	
610.02	RIP RAP (CLASS 300)	135	CY	
616.01	72-INCH CHAIN-LINK FENCE	12,110	LF	
616.02	48-INCH CHAIN-LINK FENCE	10,980	LF	
616.03	POST AND CABLE RAILING FENCE	10,980	LF	
616.04	12-FOOT DOUBLE SWING CHAIN-LINK GATE	3	EA	
616.05	4-FOOT WIDE 6-FOOT HIGH SINGLE SWING CHAIN-LINK GATE	20	EA	
616.06	4-FOOT WIDE 4-FOOT HIGH SINGLE SWING CHAIN-LINK GATE	20	EA	
618.01	GUARDRAIL TERMINAL (FLARED)	3	EA	
618.02	GUARDRAIL-BARRIER RAIL CONNECTION (TRIPLE CORRUGATION)	1	EA	
618.03	GALVANIZED GUARDRAIL (TRIPLE CORRUGATION)	12,210	LF	
619.01	MILE POST MARKER	4	EA	
623.01	200 AMP SERVICE PEDESTAL	2	EA	
623.02	4-INCH CONDUIT WITH #8 GREEN CONDUCTOR WIRE (I.T.S./FAST)	31,800	LF	
623.03	P-30 PULLBOX (I.T.S./FAST)	37	EA	
623.04	TYPE 200 SPLICE VAULT (I.T.S./FAST)	6	EA	
623.05	TYPE 334 TRAFFIC COUNT CABINET (ONLY)	9	EA	
623.06	TRAFFIC COUNT STATION	2	EA	
623.07	REMOVE AND REPLACE EXISTING HIGH MAST LUMINAIRES WITH 290W TYPE II LED LUMINAIRES	6	EA	
623.08	REMOVE AND REPLACE EXISTING HIGH MAST LUMINAIRES WITH 560W TYPE II LED LUMINAIRES	2	EA	
623.09	REMOVE AND REPLACE EXISTING HIGH MAST LUMINAIRES WITH 560W TYPE V LED LUMINAIRES	36	EA	
623.10	REMOVE AND REPLACE EXISTING HIGH MAST LUMINAIRES WITH 560W TYPE V LED LUMINAIRES INCLUDING CUTOFF SHIELD	2	EA	
623.11	HIGH MAST LIGHT POLE (70-FOOT)	37	EA	
623.12	HIGH MAST LIGHT POLE (100-FOOT)	20	EA	
623.13	HIGH MAST HEAD FRAME ASSEMBLY WITH 6-560W TYPE V LED LUMINAIRES	12	EA	

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
623.14	HIGH MAST HEAD FRAME ASSEMBLY WITH 2-560W TYPE II LED LUMINAIRES	4	EA	
623.15	HIGH MAST HEAD FRAME ASSEMBLY WITH 2-560W TYPE V LED LUMINAIRES INCLUDING CUTOFF SHIELD	4	EA	
623.16	HIGH MAST HEAD FRAME ASSEMBLY WITH 2-290W TYPE II LED LUMINAIRES INCLUDING CUTOFF SHIELD	37	EA	
623.17	150W SIGN LIGHTING FIXTURE	3	EA	
623.18	NO. 5 PULLBOX (LIGHTING)	10	EA	
623.19	NO. 7 PULLBOX (LIGHTING)	56	EA	
623.20	2-INCH CONDUIT (LIGHTING)	4,200	LF	
623.21	3-INCH CONDUIT (LIGHTING)	8,750	LF	
623.22	4-INCH CONDUIT (LIGHTING)	13,230	LF	
623.23	NO.1 CONDUCTOR (LIGHTING)	41,690	LF	
623.24	NO. 3 CONDUCTOR (LIGHTING)	14,736	LF	
623.25	NO. 4 CONDUCTOR (LIGHTING)	33,080	LF	
623.26	NO. 6 CONDUCTOR (LIGHTING)	18,810	LF	
623.27	NO. 8 CONDUCTOR (LIGHTING)	44,721	LF	
623.28	NO. 10 CONDUCTOR (LIGHTING)	422	LF	
623.29	1/0 LIGHTING CONDUCTOR	26,825	LF	
623.30	2/0 LIGHTING CONDUCTOR	1,436	LF	
623.31	3/0 LIGHTING CONDUCTOR	18,730	LF	
623.32	4/0 LIGHTING CONDUCTOR	48,525	LF	
623.33	250KCMIL LIGHTING CONDUCTOR	3,619	LF	
623.34	300KCMIL LIGHTING CONDUCTOR	21,784	LF	
623.35	350KCMIL LIGHTING CONDUCTOR	12,791	LF	
623.36	400KCMIL LIGHTING CONDUCTOR	9,075	LF	
623.37	500KCMIL LIGHTING CONDUCTOR	13,731	LF	
624.01	TRAFFIC CONTROL	1	LS	
625.01	TYPE IIIA BARRICADE	6	EA	
627.01	PERMANENT SIGNS (GROUND MOUNTED) (METAL SUPPORTS)	161	SF	
627.02	RELOCATE EXISTING SIGNS	16	EA	
627.03	PERMANENT SIGNS (OVERHEAD)	1,181	SF	
627.04	PERMANENT OVERHEAD SIGN SUPPORT STRUCTURE (BUTTERFLY)	2	EA	
627.05	NORTHERN BELTWAY CHANNEL SIGN	5	EA	
627.06	FLOOD WARNING SIGNS - TYPE A	43	EA	
627.07	FLOOD WARNING SIGNS - TYPE B	3	EA	
628.01	MOBILIZATION	1	LS	

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
629.01	EXTEND EX. 36" STEEL CASING (SUMMERSET)	120	LF	
632.01	POLYUREA PAVEMENT MARKINGS (8-INCH SOLID WHITE)	27,520	LF	
632.02	POLYUREA PAVEMENT MARKINGS (8-INCH SOLID YELLOW)	27,750	LF	
632.03	POLYUREA PAVEMENT MARKINGS (8"x36" BROKEN WHITE)	880	LF	
632.04	POLYUREA PAVEMENT MARKINGS (12-INCH SOLID WHITE)	2,440	LF	
633.01	NON-REFLECTIVE PAVEMENT MARKERS	2,010	EA	
633.02	REFLECTIVE PAVEMENT MARKERS	670	EA	
633.03	REFLECTIVE PAVEMENT MARKERS TYPE E	80	EA	
634.01	PERMANENT PAVEMENT MARKING FILM, TYPE I (24-INCH SOLID WHITE)	320	LF	
634.02	NDOT MERGE ARROW (TYPE 1 FILM)	6	EA	
637.01	DUST CONTROL	1	LS	
637.02	STORM WATER POLLUTION CONTROL	450	DAY	
637.03	DUST PALLATIVE	83	ACRE	
640.01	SOUND WALL	9,820	SF	
TOTAL BASE BID				\$

18. BUSINESS ENTERPRISE INFORMATION:

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

19. 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.

20. 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.

21.

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 _____

Company Name: _____

Bid # _____

BID ATTACHMENT 4 LOCAL SMALL BUSINESS PARTICIPATION SURVEY

THE COUNTY REQUESTS THE THREE (3) LOW BIDDERS SUBMIT THIS FORM VIA HAND DELIVERY OR EMAIL TO COUNTYPURCHASING@CLARKCOUNTYNV.GOV WITHIN TWENTY-FOUR (24) HOURS AFTER COMPLETION OF THE BID OPENING.

On October 1, 2013, the Clark County Board of County Commissioners adopted a resolution supporting local hiring on Fuel Revenue Indexing projects. The County is dedicated to identifying opportunities to maximize the use of local workers and local companies for the commission's projects, especially those that support minority-owned and women-owned local small businesses.

1. In preparing your bid, did your company solicit proposals from any of the local small businesses listed in the DIRECTORY at <http://www.sumnumarketing.com/os/resources/media/local-business-enterprises.pdf>, or any other local small businesses not listed in the directory?
Fill in the table below:

List local small businesses contacted:	Description of Work	In Directory? (Y/N)	Proposal Received?		Proposal Accepted?	
			Yes	No	Yes	No

If your company did not solicit proposals from any local small businesses in the DIRECTORY, provide

2. Was your company contacted by any of the local small businesses listed in the DIRECTORY, or any other local small businesses not listed in the directory, to perform any portion of the work on this bid? Fill in the table below:

List local small businesses contacted:	Description of Work	In Directory? (Y/N)	Proposal Received?		Proposal Accepted?	
			Yes	No	Yes	No

3. What is the total percentage of local small business work in your bid? _____%

4. If you received proposals from local small businesses that you did not accept, what was the reason?

_____ Cost too high _____ Limited bonding capacity _____ Unresponsive/incomplete bid

Other (explain):

Please attach additional sheets if necessary