



Department of Administrative Services Purchasing and Contracts

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Sabra Smith Newby, Chief Administrative Officer
Adleen B. Stidhum, Purchasing Administrator



CLARK COUNTY, NEVADA BID NO. 603334-14

TRAFFIC SIGNAL SYSTEMS AT CC-215 NORTH HUALAPAI WAY INTERCHANGE

June 12, 2014

ADDENDUM NO. 1

ESTIMATED COST

1. The estimated cost has been revised to read: \$506,890.80 to \$563,212.25.

INVITATION TO BID

2. The Bid Opening date of June 20, 2014 at 2:15:00 p.m. **remains unchanged.**

GENERAL CONDITIONS

3. **Add** the following sentence to GENERAL CONDITIONS SECTION 1.1, Paragraph A:

The Public Works Department shall issue a separate Notice to Proceed for each location to commence the work.

4. **Delete** the first paragraph in GENERAL CONDITIONS SECTION 1.2, Paragraph B, and **replace** with the following:

The Successful Bidder, upon becoming the awarded Contractor, shall commence the work to be performed on the date set by the Owner's departmental representative in the written Notice to Proceed, continuing the work in accordance with the approved schedule and shall complete the entire work for **1. Traffic Signal Systems at CC-215 and North Hualapai Way Interchange** within 45 days, and separately, **2. the Median Island Improvements on Silverado Ranch Blvd** within 15 calendar days from the date specified in the Notice to Proceed. Further, separable portions of the work may be subject to milestone or specific dates as established in this document. The Contractor shall complete all work or separable portions of work in accordance with specified milestones or specific dates and in accordance with these specifications. Any costs associated with the overtime, which may be required to complete the project in time, and/or milestones specified shall be solely the responsibility of the Contractor and shall have been included in the bid amount(s).

BID SCHEDULE

5. **Delete** the original Bid Form and **replace** with the revised Bid Forms (attached).

SPECIAL PROVISIONS

SECTION 104 – SCOPE OF WORK

6. Subsection 104.04, MAINTENANCE OF TRAFFIC (page 104-1 through 104-2),

Add the following to Subparagraph 8:

For improvements on Silverado Ranch Blvd. from Pyramid Cove Street to Jack Leavitt Street, 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 for the time periods previously described and at the discretion of Engineer. Contractor shall be responsible for the notification of all affected property owners of all access closures. Travel lanes shall be closed only while active work is taking place.

For Mission Front Drive and Jack Leavitt Street, Contractor shall be required to keep not less than one 12-foot wide paved travel lane open to traffic while he is working during the day along and when crossing the remaining streets. Not less than two travel lanes (one in each direction) shall be reopened to traffic at the end of each working day and shall remain open until work begins the following morning. At those locations where only one lane is left open while the Contractor is working during the day, the Contractor shall provide sufficient flaggers whose sole duty is to direct traffic in accordance with the requirements of subsection 624.03.02.

For Silverado Ranch Blvd., the Contractor shall be required to keep not less than two 12-foot wide paved travel lanes open to traffic while he is working during the day along and when crossing the remaining streets. Not less than six travel lanes (three in each direction) shall be reopened to traffic at the end of each working day and shall remain open until work begins the following morning.

Travel lanes shall only be closed while active work is taking place.

SECTION 107 - LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

7. Subsection 107.07.05, TRAFFIC CONTROL MEASUREMENT AND PAYMENT (page 107-4 through 107-5),

Add Paragraph E as follows:

- E. Traffic Control for Median Island Improvements on Silverado Ranch Blvd will not be measured for payment separately. Traffic Control for Median Island Improvements on Silverado Ranch Blvd shall be considered incidental to the lump sum price bid for the Median Island Improvements on Silverado Ranch Blvd and no additional payment will be made.

SECTION 108 - LEGAL PROSECUTION AND PROGRESS

8. Subsection 108.02 PROSECUTION AND PROGRESS (page 108-1),

Add Paragraph C as follows:

Improvements for CC-215 N/Hualapai Interchange and Median Island Improvements on Silverado Ranch Blvd. will each have a separate Notice to Proceed.

1. Traffic Signal Systems at CC-215 N/Hualapai Interchange shall be completed within 45 days from the date of the Notice to Proceed.
2. Median Island Improvements on Silverado Ranch Blvd shall be completed within 15 days from date of the Notice to Proceed.
3. The Notice to Proceed for Median Island Improvements on Silverado Ranch Blvd is anticipated to be issued within the 15-days Material Notice to Proceed time period.

SECTION 200 - MOBILIZATION

9. Subsection 200.05.01, PAYMENT (page 200-1),

Add Paragraph C as follows:

- A. Mobilization for Median Island Improvements on Silverado Ranch Blvd will not be measured for payment separately. Mobilization for Median Island Improvements on Silverado Ranch Blvd shall be considered incidental to the lump sum price bid for the Median Island Improvements on Silverado Ranch Blvd, and no additional payment will be made.

SECTION 412

Add section 412 (Attached)

SECTION 613 – CONCRETE CURB, WALK, GUTTERS, DRIVEWAYS AND ALLEY INTERSECTIONS

10. Subsection 613.04.01, MEASUREMENT (page 613-5),

Add the following:

Median Island Improvements on Silverado Ranch Blvd shall be measured for payment as lump sum, complete and in place for all materials and work indicated in plan sheets SI-1 through SI-4 and special provisions herein.

11. Subsection 613.05.01, PAYMENT (page 613-5),

Add the following:

The lump sum bid price for Median Island Improvements on Silverado Ranch Blvd shall be full compensation for all materials and work associated with the median island improvements as indicated in plan sheets SI-1 through SI-4 and special provisions, including mobilization, dust control, traffic control, removal and disposal of items, addition/construction of items, and for all labor, tools, and equipment, including materials and incidentals necessary to complete the work as specified, and shown on Drawings, and as required by Engineer.

SECTION 637 – POLLUTION CONTROL

12. Subsection 637.04.01, MEASUREMENT (page 637-3),

Add the following:

Dust Control for Median Island Improvements for Silverado Ranch Blvd will not be measured for payment separately.

13. Subsection 637.05.01, PAYMENT (page 637-4),

No payment will be made for Dust Control for Median Island Improvements on Silverado Ranch Blvd. The cost thereof shall be considered incidental to the lump sum price bid for the Median Island Improvements on Silverado Ranch Blvd .

CONTRACT DRAWINGS

14. The following sheets are being added with this addendum.

a. SI-1 thru SI-4

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

Attachment(s): Revised Bid Form pages 4-1 through 4-3
Section 412
Plan Set for Median Island Improvement

cc: Jim Benoit, Public Works
Mike Mamer, Public Works

Cindy Beauchamp, Public Works

CLARK COUNTY, NEVADA

BID FORM

BID NO. 603334-14

TRAFFIC SIGNAL SYSTEMS AT CC-215 AND NORTH HUALAPAI WAY INTERCHANGE

PWP NUMBER: CL-2014-263

Revised per Addendum No. 1

(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 COUNTYPURCHASING@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 COUNTYPURCHASING@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 after the two-hour time limit is not allowed and will be returned to me and the bid will be deemed non-responsive.
6. 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.
7. I acknowledge that my bid is based on the current State of Nevada prevailing wages.
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.

Traffic Signal Systems at CC-215 and North Hualapai Way Interchange

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 **\$1,500** 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
107.01	TRAFFIC CONTROL	45	DAY	\$
109.01	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK	1	LS	\$30,000.00
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	\$
200.01	MOBILIZATION	1	LS	\$
202.01	REMOVE TRAFFIC STRIPING	1	LS	\$

Revised Bid Form
 Bid No. 603334-14
 Traffic Signal Systems at CC-215 and North Hualapai Way Interchange

BID SCHEDULE				
ITEM NUMBER	ITEM DESCRIPTION	APPROX. QUANTITY	UNIT	TOTAL
202.02	REMOVE AND SALVAGE SIGNS	8	EA	\$
613.01	MEDIAN ISLAND IMPROVEMENTS ON SILVERADO RANCH BLVD	1	LS	\$
623.01	TRAFFIC SIGNAL SYSTEMS AT CC215 N/HUALAPAI WAY INTERCHANGE	1	LS	\$
627.01	PERMANENT SIGN (GROUND MOUNTED)	24	EA	\$
627.02	PERMANENT SIGN (POLE MOUNTED)	1	EA	\$
628.01	PAVEMENT MARKING FILM (24-INCH SOLID WHITE)	540	LF	\$
628.02	PAVEMENT MARKING FILM (CHEVRONS)	60	SF	\$
628.03	PAVEMENT MARKING ARROW	6	EA	\$
628.04	PAVEMENT MARKING "ONLY"	1	EA	\$
628.05	WHITE POLYUREA PAVEMENT MARKING (6-INCH SOLID)	65	LF	\$
628.06	WHITE POLYUREA PAVEMENT MARKING (8-INCH SOLID)	55	LF	\$
628.07	YELLOW POLYUREA PAVEMENT MARKING (8-INCH SOLID)	10	LF	\$
637.01	DUST CONTROL	45	DAY	\$
TOTAL BASE BID				\$

SECTION 412
PAVEMENT SURFACE TREATMENTS - SLURRY SEAL/MICROSURFACING
DESCRIPTION

412.01.01 GENERAL

Change Paragraph A to read as follows:

The slurry seal shall consist of a mixture of emulsified asphalt, mineral aggregate, mineral filler if required, set control additive and water; proportioned, mixed and spread evenly on a prepared surface in accordance with these specifications, or as directed by the Engineer. The slurry when cured, shall have a homogeneous appearance, fill all cracks, adhere firmly to the surface and have skid resistant texture.

MATERIALS

412.02.01 ASPHALT EMULSION

Change Paragraphs A and B to read as follows:

The asphalt emulsion shall be a Latex Modified Cationic Quick-set (LMCQS-1h) as determined by compatibility test procedures specified in ISSA Technical Bulletin #115, latest edition.

Each shipment of emulsified asphalt shall be accompanied with a certificate of analysis/compliance from the manufacturer for that lot.

412.02.04 CARBON BLACK:

Change Paragraph B to read as follows:

The Carbon Black shall be approved by the Engineer and meet the following criteria:

Specifications	Tolerances
Total Solids	40-44
Percent Black by Weight	35-37
Type Black	Medium furnace color

Add the following to this subsection:

Slurry seals shall be applied by experienced machine operators and material mixers. Machine operators shall have successfully completed a minimum of three (3) recent and consecutive construction seasons operating a slurry seal or micro-surfacing machine for a local government agency. Similarly, mixing operations shall be accomplished by an experienced material mixer who has successfully completed a minimum of three (3) recent and consecutive construction seasons on site mixing carbon black into the emulsion tank on the machine at the stockpile loading site.

412.02.05 SET CONTROL ADDITIVE

Change Paragraphs A and B to read as follows:

To control the setting time of the slurry mixture, an additive shall be added which will retard the set when a cationic emulsion is used. The set control additive shall be aluminum sulfate or Portland Type I/II cement, and shall be added to the slurry mix by an approved method that will assure uniform distribution and proper control. The exact amount shall be determined by conditions in the field.

412.02.07 MINERAL AGGREGATE

Change Paragraph A to read as follows:

The mineral aggregate shall conform to the specified contract gradations for ISSA Type I, Type II, or Type III. The gradation types are listed in section 705 Tables 10, 11, and 12.

Add the following to this subsection:

The mineral aggregate shall consist of angular sand or crushed stone that is free from dirt, organic matter, clay balls, and adherent films of clay, dust or other objectionable matter. When tested according to AASHTO T176, the aggregate shall have a sand equivalent of not less than 50, and the aggregate shall be non-plastic. When tested according to AASHTO T104, the aggregate shall show a loss of not more than 15 percent (using Na₂SO₄) and when tested according to AASHTO T96 the aggregate shall show a loss of not more than 35 percent.

The gradation test for the job mix formula shall not be out-of-spec for two consecutive tests.

CONSTRUCTION

412.03.01 SLURRY SEAL/MICROSURFACING MIXTURES

Change Paragraph C to read as follows:

Prior to the start of work, the Contractor shall place one test section of at least 1,000 square yards each, for each mix to be used, in an area designated by the Engineer.

The test section shall be placed using the same equipment, methods, and mixes as scheduled for use on the Contract.

At the test section, the Contractor shall also satisfactorily demonstrate the equipment and procedure intended for the removal of oil deposits from the pavement surface.

The test section will be evaluated for a minimum of 3 days after placement under traffic and normal usage.

If a test section proves to be unsatisfactory, the necessary adjustments to the mix design, equipment, and placement methods shall be made.

Additional test sections, as required, shall be constructed and evaluated for conformance to the specifications.

The initial test section, if acceptable, will be paid for at the contract unit price.

The Contractor will be given a maximum of 15 calendar days to successfully place an acceptable test section. These days will not be counted toward nor added to the contract calendar days. The contract calendar days will commence after the test section is approved or the maximum 15 day limit is attained.

412.03.01 SLURRY SEAL/MICROSURFACING MIXTURES

Change Paragraph F to read as follows:

Job Mix Design:

No slurry or micro surfacing mixture shall be placed until mix design(s) submitted by the Contractor have been approved by the Engineer.

Sources of all materials shall be selected prior to the time when the materials are required to be used in the work, and suitable sized samples of aggregate, bituminous material and mineral filler shall be submitted when required by the Engineer, for approval not less than ten days before the work starts. All samples of materials shall be supplied by the Contractor at his expense, and all tests necessary to determine conformance with requirements specified shall be performed without cost to the Contractor. AASHTO T2/ASTM D75 shall be used for sampling aggregate; AASHTO T127/ASTM C183 shall be used for sampling mineral filler; and AASHTO T40/ASTM D140 shall be used for sampling asphalt emulsions. Additional samples of materials shall be furnished as directed by the Engineer during progress of the work.

The exact proportions used in the preparation of the slurry seal or micro surfacing shall be determined by a testing laboratory, experienced in slurry seal and micro surfacing mix design procedures, and approved by the Engineer.

Mix design preparation shall conform to Section 703, "Bituminous Materials," and shall be at no additional cost to the Contracting Agency.

The approved mixture shall be homogenous and sufficiently stable during the entire mixing and spreading period so that the emulsion does not break prematurely, there is no segregation of the fines from the coarser aggregate, and the liquid portion of the mix does not float to the surface.

The amount and type of asphalt emulsion to be blended with aggregate shall be determined by the laboratory mix design.

The set control additive shall be introduced into the slurry mix by an approved method that will ensure uniform distribution and proper control. The exact amount shall be determined by conditions in the field and indicated in the mix design.

A minimum amount of water, added as specified by the Engineer, shall be used as necessary to obtain a workable and homogeneous mixture.

The slurry mixture shall show no signs of uncoated aggregate or premature breaking of emulsion when applied to the pavement surface.

The slurry shall be a homogeneous mixture. Prior to the emulsion breaking, it shall be sufficiently stable during the entire mixing and spreading. There shall not be any segregation of the fines and coarse aggregate nor liquid floating on the surface. If it is established that a satisfactory mixture meeting the requirements specified herein cannot be produced from the materials furnished, the materials shall be rejected and the Contractor shall submit a new mix design.

412.03.02 PREPARATION OF SURFACE

Add the following to Paragraph B:

It shall be the Contractor's responsibility to ensure that the surface is suitable for the proper adhesion of Slurry Seal when complete.

Add the following to Paragraph C:

The crack sealing material shall be CRAFCO Polyflex Type 3 (Style S21, Number 34521) or approved equal. Crack sealing material shall be applied to all cracks 1/4" or wider in accordance with manufacturer recommendations and as required by the Engineer. Cracks shall be filled flush with the surface and any overfill shall be squeegeed so that the overband cap does not exceed 1/16" above the surface and the width does not exceed two (2) inches beyond the crack edges. Multiple applications of the crack sealing material may be required for deeper cracks.

Any unacceptable applications of the crack sealing material shall be corrected by the Contractor at no additional cost to the Owner and shall be corrected within five days of notification. Work shall be scheduled such that crack seal operations in a given area are performed and completed at least three (3) weeks prior to application of slurry seal.

Change paragraph D.1 to read as follows:

Traffic paint not tightly bonded to the surface, pavement marking tape, polyurea pavement markings and thermoplastic markings shall be removed prior to slurry seal placement and replaced afterwards. Unless directed otherwise, the pavement markings shall be reinstalled in the identical pattern as existed prior to their removal.

Change Paragraph F to read as follows:

Manholes, valve boxes, drop inlets, monuments, and other facilities will be protected from the slurry seal by placing "FIBREEN GRADE 208 - SD10" reinforced, waterproof all-purpose paper as manufactured by the Fortifiber Corporation (or approved equal), held in place with spray glue, or other suitable method approved by the Engineer. The paper shall be removed within twenty-four hours after the Slurry Seal has cured.

Change Paragraph G to read as follows:

Raised pavement markers shall be removed prior to slurry seal application and replaced following the slurry seal operation in the identical pattern as before their removal unless otherwise directed by the Engineer.

412.03.03 MIXING UNIT

Change Paragraph A to read as follows:

The slurry seal or micro surfacing shall be mixed and applied with a machine designed and manufactured to lay the mixture. The equipment, tools and machines needed in the performance of the work shall be provided by the Contractor, shall be subject to the approval of the Engineer and shall be maintained in a satisfactory working condition at all times.

Change paragraph C.9 to read as follows:

The mixing machine shall be equipped with a water pressure system and fog type spray-bar adequate for completely fogging the surface with up to 0.05 gallons per square yard immediately ahead of the spreading equipment.

Add the following to Paragraph D:

No machine will be allowed to work on the project until the calibration has been completed and/or accepted.

Add the following to Paragraph F:

Power pick-up brooms, power brooms, power blowers, air compressors, water flushing equipment, and hand brooms shall be suitable for cleaning the pavement surface and cracks therein.

Hand squeegees, shovels and other equipment shall be provided as necessary to perform the work.

412.03.04 MIX PREPARATION

Add the following to this subsection:

The slurry seal shall be mixed and applied with a slurry machine. The amount and type of asphalt emulsion to be blended with the aggregate shall be determined by the laboratory mix design. A minimum amount of water, added as specified by the Engineer, shall be used as necessary to obtain a workable and homogeneous mixture. The slurry mixture shall be of proper consistency with no segregation when deposited on the surface of the pavement and no additional elements shall be added. The slurry mixture shall show no signs of uncoated aggregate or premature breaking of emulsion when applied to the pavement surface. Total time of mixing shall not exceed four minutes. The Mixing machine shall be equipped with a temperature indicating device installed in the emulsion tank at the suction line level. The machine shall be equipped with a hydraulically controlled steel pugmill gate for positive discharge operations. Discharge from the pugmill shall be controlled by a chute or other mechanical device. The pugmill shall not leak slurry seal or other fluids.

412.03.06 APPLICATION

Change Paragraph C to read as follows:

The slurry seal shall be placed in accordance with the following:

Aggregate	Minimum Application Rate (pounds per square yard)
Type I	13
Type II	18
Type III	28

Add the following to Paragraph E:

Report the gallons per minute of Carbon Black, sulfate, and water used.

Yields shall be calculated daily and will be calculated on a street section basis, as directed by the Engineer. The actual yield will be divided by the Minimum Acceptable application rate shown above. If the actual yield divided by the Minimum Acceptable yield is less than one (1), the contractor shall be paid his unit bid price times the daily fraction for the volume of work completed that day. However, if the yield on any street section is outside the acceptable range stipulated above, the Contractor shall correct the application rate to achieve the stipulated range, at his cost.

Add the following to Paragraph G:

If in the Contractor's opinion, the proposed Slurry Seal Type or application rate is not appropriate for a particular street, he shall notify the Engineer prior to any application of slurry on that particular street. Once the Contractor notifies the Engineer of a potential problem with a particular street, the Engineer shall review the field conditions and make the final decision regarding the appropriate Slurry Seal Type and application rate.

Add the following to Paragraph H:

No build-up of cured slurry seal shall be allowed to collect in the spreader box.

412.03.08 PRODUCTION

Change Paragraph A to read as follows:

The Contractor shall average a minimum of 15,000 square yards of material, in place, per working day.

412.03.11 CURING

Change Paragraph D to read as follows:

Areas which are damaged before being opened to traffic shall be repaired by the Contractor at his expense.

412.03.12 ROLLING

Change Paragraph A to read as follows:

All streets will be compacted using a smooth pneumatic tire roller, with a minimum weight of four (4) tons.

412.03.13 WEATHER LIMITATIONS

Change Paragraph A to read as follows:

Slurry seal shall be applied only when the atmospheric temperature is fifty (50) degrees Fahrenheit and rising and when the temperature is not expected to fall below fifty (50) degrees Fahrenheit during working hours.

Change Paragraph B to read as follows:

Application of slurry seal when the atmospheric temperatures are expected to exceed one hundred five (105) degrees Fahrenheit may be allowed, if approved by the Engineer.

Add the following to this subsection:

The Contractor may be granted excusable, non-compensable days for weather limitations in accordance with Section 108.08.

412.03.17 CLEANUP

Change Paragraph B to read as follows:

All applied slurry seal surfaces shall be swept by the Contractor with a sweeper approved by the Engineer to remove any excess raveled material that becomes dislodged from the street after 72 hours. Dislodged material from the street shall be disposed of to a site approved by the Engineer. Sweeping required beyond the initial 5-day cure due to normal raveling shall be paid for under the appropriate bid item for sweeping.

METHOD OF MEASUREMENT

412.04.01 MEASUREMENT

Replace this subsection with the following:

The quantity of crack sealing material, rolling polymer modified slurry seal treatment, carbon black, surface preparation, ravel sweeping, and Type II Slurry Seal will not be measured for payment directly but will be considered incidental to the Median Island Improvements on Silverado Ranch Blvd..

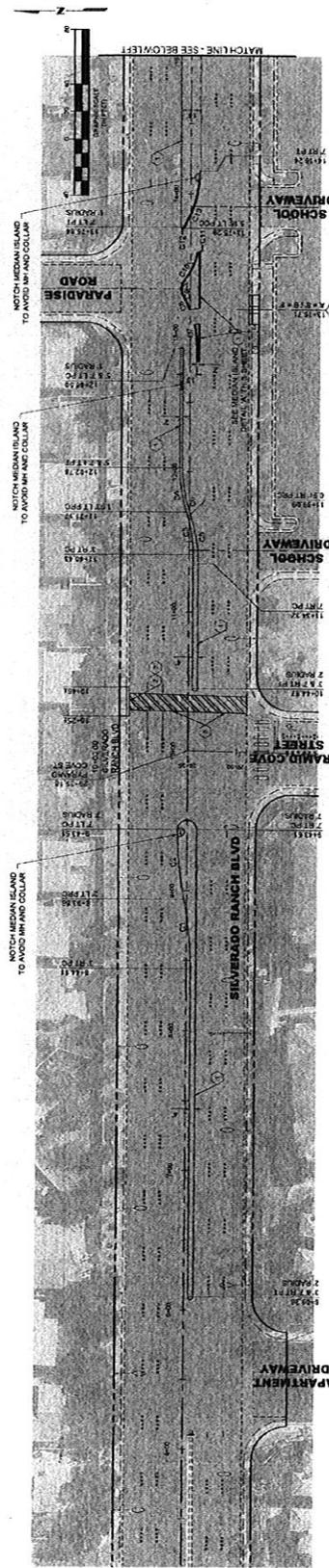
412.05.01 PAYMENT

Replace this subsection with the following:

Crack seal material, rolling polymer modified slurry seal treatment, carbon black, surface preparation, and ravel sweeping will not be paid directly. The cost of furnishing and applying these materials as specified shall be included in the price bid for Median Island Improvements on Silverado Ranch Blvd for which these materials are appurtenant and ancillary.

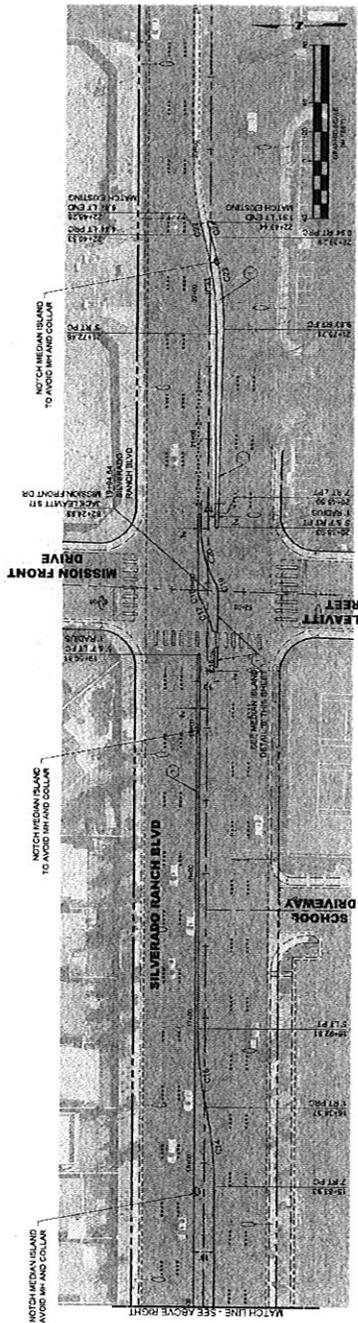
Type II Slurry Seal will be not be paid directly., The cost thereof for developing the mix design, furnishing the material, mixing, hauling, loading, surface grinding, rolling, excess ravel sweeping, carbon black, crack seal, protection of facilities and utilities, cleanup, and all labor, equipment, tools, and all incidentals required for completing all the work involved to achieve the finished product in accordance with the application rates specified in Section 412.03.06, as shown on the Drawings, and as required by the Engineer, shall be considered as incidental to the Median Island Improvements on Silverado Ranch Blvd.

It shall be the Contractor's responsibility to ensure that the surface is suitable for the proper adhesion of Slurry Seal when complete.



CONSTRUCTION PLAN

- CONSTRUCTION ITEMS:**
1. CONTRACTOR SHALL OBTAIN NEVADA MEDIAN ISLAND WHITE TOPPING, 3/4" MIN. PER 875 PER 2014 R-11
 2. CONTRACTOR SHALL OBTAIN NEVADA MEDIAN ISLAND WHITE TOPPING, 3/4" MIN. PER 875 PER 2014 R-11
 3. CONTRACTOR SHALL OBTAIN NEVADA MEDIAN ISLAND WHITE TOPPING, 3/4" MIN. PER 875 PER 2014 R-11
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 9. CONTRACTOR SHALL OBTAIN NEVADA MEDIAN ISLAND WHITE TOPPING, 3/4" MIN. PER 875 PER 2014 R-11
 10. CONTRACTOR SHALL OBTAIN NEVADA MEDIAN ISLAND WHITE TOPPING, 3/4" MIN. PER 875 PER 2014 R-11



CONSTRUCTION PLAN

MEDIAN FACE CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C11	84.84'	200'	100.00°
C12	6.00'	200'	17.19°
C13	84.84'	200'	100.00°
C14	10.00'	200'	28.65°

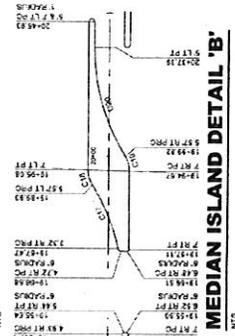
MEDIAN FACE CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C11	2.00'	100.00'	180.00°
C12	7.00'	100.00'	161.04°
C13	48.31'	75'	163.96°
C14	54.80'	200'	173.64°
C15	6.00'	200'	17.19°
C16	5.00'	200'	14.04°
C17	5.00'	200'	14.04°
C18	12.22'	15'	170.00°
C19	40.00'	75'	163.96°
C20	21.00'	100.00'	161.04°

MEDIAN FACE CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C11	84.84'	200'	100.00°
C12	6.00'	200'	17.19°
C13	84.84'	200'	100.00°
C14	10.00'	200'	28.65°

MEDIAN ISLAND DETAIL 'A'



MEDIAN ISLAND DETAIL 'B'



CLARK COUNTY
PLANNING AND ZONING DEPARTMENT
CLARK COUNTY, NEVADA

SI-2

DESIGNED BY: DND
DRAWN BY: JD/TJ/LJ/T
CHECKED BY: [Signature]
DATE: Jan 11, 2014 - 7:00pm

FIELD BOOK: NONE
WORK ORDER: NONE
PROJECT NO.: NONE

APPROVED: [Signature]

DATE: [Blank]

APPROVED: [Signature]

DATE: [Blank]

