UNIT PRICE BID PROPOSAL

To County of Bernalillo, Albuquerque, New Mexico (hereinafter called "Contracting Agency"):

1. The undersigned (hereinafter called "Bidder") in compliance with your invitation for bids for the construction of Camino Alto Bridge Crossing Bernalillo County, New Mexico Project Number 57-91, having carefully examined the Contract Documents and the sites of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the Contract Documents, within the time set forth herein, and at the unit prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents of which this proposal is a part. Quantities shown in this unit prices proposal and in alternates, if any, are estimated, and actual payment will be made on the basis of confirmed quantities a constructed.

2. UNIT PRICE BID PROPOSAL

| BID ITEM NO. | DESCRIPTION | UNIT | EST. QUANTITY | AMOUNT |
|--------------------|--|------|------------------|--------|
| 201002 | CLEARING AND GRUBBING | L.S. | 1 | |
| 202001 | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | L.S. | 1 | |
| 203001 | UNCLASSIFIED EXCAVATION | C.Y. | 1,296 | |
| 203010 | BORROW | C.Y. | 3,791 | |
| 207001 | SUBGRADE PREPARATION | S.Y. | 3,500 | |
| 212010 | CLASS A SEEDING | ACRE | 0.70 | |
| 212190 | CLASS I TEMP. SOIL STABILANT | ACRE | 0.42 | |
| 304001 | BASE COURSE | TON | 1,100 | |
| 304090 | BASE COURSE/SUBBASE TESTING BY CONTRACTOR | L.S. | _1 | |
| 401002 | PLANT MIX BITUMINOUS PAVEMENT, TYPE 1, GRADE B | TON | 510 | |
| 401090 | PLANT MIX BITUMINOUS PAVEMENT, TESTING BY CONTRACTOR | L.S. | 1 | |

| BID ITEM NO. | DESCRIPTION | UNIT | EST. QUANTITY | UNIT PRICE | AMOUNT |
|--------------------|--|------|------------------|---------------|--------|
| 401102 | 85-100 BITUMINOUS MATERIAL | TON | 26 | 3 | |
| 401150 | HYDRATED LIME | TON | 8 | | |
| 406001 | CORING BY THE CONTRACTOR | EA. | 5 | | |
| 407012 | ASPHALT FOR TACK COAT | TON | 2 | | |
| 408012 | ASPHALT FOR PRIME COAT | TON | 7 | | |
| 501324 | 24" CULVERT PIPE | L.F. | 203 | | |
| 504015 | REINFORCING BARS, GRADE 60 | LBS. | 103,170 | | |
| 509050 | STRUCTURAL CONCRETE, CLASS A | C.Y. | 600 | | |
| 603030 | WIRE ENCLOSED RIPRAP | C.Y. | 374 | | |
| 604034 | FILTER FABRIC | S.Y. | 220 | | |
| 606005 | METAL BARRIER W-BEAM | L.F. | 500 | | |
| 606009 | METAL BARRIER THRIE BEAM | L.F. | 225 | | |
| 606151 | METAL BARRIER ANCHORAGE, TYPE C | EACH | 4 | | |
| 606403 | PRECAST CONCRETE WALL BARRIER TYPE II | L.F. | 400 | | |
| 618001 | TRAFFIC CONTROL MANAGEMENT | L.S. | 11 | | |
| 621001 | MOBILIZATION | L.S. | 1 | | |
| 701010 | PLYWOOD OR ALUMINUM PANEL SIGN | S.F. | 77 | | |
| 701101 | POST FOR PLYWOOD/ALUMINUM PANEL SIGNS | L.F. | 195 | | |
| 702000 | CONSTRUCTION SIGNING | S.F. | 273 | | |
| 702103 | STEEL AND BASE POSTS FOR CONSTRUCTION SIGNING | L.F. | 416.5 | | |

| BID ITEM NO. | DESCRIPTION | UNIT | EST. QUANTITY | UNIT PRICE | AMOUNT |
|--------------------|--|---------|------------------|---------------|--------|
| 702145 | PORTABLE SIGN SUPPORT | EA. | 10 | | |
| 702215 | BARRICADE TYPE III, 8 FT. | EA. | 4 | | |
| 702349 | CHANNELIZATION DEVICES (BARRELS), TYPE A | EA. | 5 | | |
| 702350 | CHANNELIZATION DEVICES (BARRELS), TYPE B | EA. | 15 | | |
| 703100 | TRAFFIC MARKER - GUIDES | EA. | 9 | | |
| 703101 | TRAFFIC MARKER - HAZARD | EA. | 4 | | |
| 704010 | REFLECTORIZED PAINTED MARKINGS | L.F. | 6,360 | | |
| 704016 | ADHESIVE NON-METALLIC MARKING TAPE | L.F. | 200 | | |
| 870001 | CONSTRUCTION STAKING BY CONTRACTOR | L.S. | 1 | | |
| | SUBTOTAL OF ALL BID ITEMS | = | | \$ _ | |
| NEW ME | XICO GROSS RECEIPTS TAX AT 5. | 75% = | | \$_ | |
| TOTAL | BASE BID (ALL BID ITEMS AND N | MGRT) = | | \$ | 1 |

THE AWARD OF THE BID WILL BE BASED ON THE LOWEST RESPONSIBLE BIDDER, EXCLUDING ANY AND ALL GROSS RECEIPTS TAX, MEETING ALL SPECIFICATIONS.

- 9. The undersigned, as Bidder, hereby declares that the only persons or firms interested in the proposal as principal or principals is or are named herein and that no other persons or firms than herein mentioned have any interest in this proposal or in the contract to be entered into; that this proposal is made without collusion with any person, company, or parties making a bid or proposal; and that it is in all respect fair and in good faith without collusion or fraud.
- 10. The Bidder agrees to furnish to the Contracting Agency all information and data necessary for the Contracting Agency to determine the ability of the Bidder to perform the work.

This Bid Proposal is hereby respectfully submitted by:

| Name of Bidder | |
|---|----------------------|
| By (Signature) Date | |
| Bidder's New Mexico Contractor's License Num | ber & Classification |
| Bidder's New Mexico Resident Business Prefer | ence Number |
| Printed Name & Title of Bidder's Authorized | Representative |
| Bidder's Address | |
| | |
| Bidder's Telephone Number | |
| (SEAL) If Bid Proposal is submitted by a corp | oration. |

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MINIMUM WAGE RATES

| LABOR & INDUSTRIAL DIVISION | - PUBLIC WORKS | BUREAU, SANTA PE | , NEW HEXICO |
|-----------------------------|----------------|------------------|--------------|
|-----------------------------|----------------|------------------|--------------|

| DEPARTMENT, AGENCY OR BUREAU | | DECISION NUMBER |
|---|-------------|---|
| BERNAL ILLO COUNTY, PMD | BE 92-860 A | |
| DESCRIPTION OF WORK Camino Alto Bridge Reconstr Removal of exist. CMP of | | DATE OF DECISION 5/18/92 |
| constr. new concrete box culverts & asph. concrete roa | d surface | TYPE OF CONSTRUCTION — "A" STREET, HIGHWAY, UTILITY AND |
| LOCATION (CITY OR OTHER DESCRIPTION) | COUNTY | LIGHT ENGINEERING |
| Bernalillo County | BERNAL ILLO | DECISION EXPIRES * 9/18/92 |

| | BASE | FRINGE . BENEFITS | |
|---|------|--------------------|--|
| BRICKLAYER, BLOCKLAYER, STONEMASONCARPENTER. | 9.19 | 2.67 | |
| IRONNORKERREINFORCING IRONNORKERSTRUCTURAL | 8.50 | .26 .92 3.37 | |
| PAINTERS: SPRAY | 9.96 | 44 | |

*DECISION EXPIRES ON THIS DATE IF BIDS ARE NOT SUBMITTED PRIOR TO THIS DATE OR AS A RESULT OF A NEW VALID SURVEY EFFECTIVE AT LEAST 10 DAYS PRIOR TO BID SUBMISSION DATE.

| ELECTRICIANS ADDENDUM: | BASE | • | FRINGE BENEFITS |
|------------------------------|-------|-----|--------------------|
| Groundmen (Outside) | 13.59 | | 2.68 |
| Equipment Operator (Outside) | 16.41 | | 2.77 |
| Lineman or Tech. (Outside) | 17.00 | - 1 | 2.80 |
| Cable Spilcer (Outside) | 18.18 | - } | 2.84 |

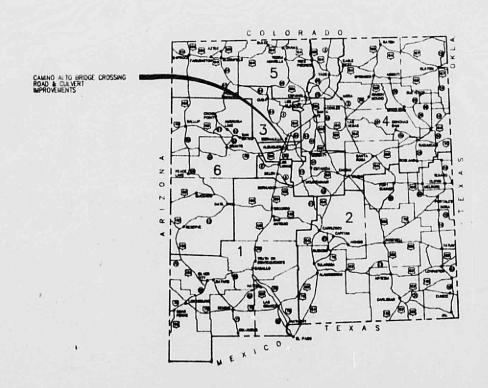
| OPERATORS *** . 26 | | GROUP X PIPEMOBILE OPR.: MOLE OPR. | | |
|---|------|--|---|------|
| OPERATORS | | | | 11.2 |
| GROUP I CONCR. PAVING CURING MACHINE | 8 75 | | Fringe Benefits | _ |
| SONCA. PAVING COMMO MACHINE | 0.72 | TRUCK DRIVERS ** | .26 | |
| ROUPII | | | | |
| BELT TYPE CONVEYORS (MATERIAL & CONCR.); BROOM (SELF | | GROUPI | | |
| PROP); FORK LIFT, GREASE TRUCK OPR.; HEAD CILER; HYDRO LIFT; (RACTOR (UNDER 50 DRAWBAR HP WITH OR WITHOUT ATTACH.); NDUS. LOCO. BRAKEMAN; FRONT END LOADER (2 CY OR LESS); | | | UNDER: WAREHOUSEMAN; DUMP B; FLAT BED, 1% TON OR UNDER | |
| IREMAN: OILER: SCREEDMAN; ROLLER (PULL TYPE); MULCHING | | GROUP II | | |
| AACHINE; ROLLER (SELF-PROPELLED) | 8.95 | GALLONS; FLATBED, OVER 11/2 | ARDS; TANK TRUCK, UNDER 6,000 | |
| ROUPIII | | | | 7.4 |
| ONCR. PAVING FORM GRADER; CONCR. PAVING GANG VIBRATOR; | | GROUP III | | |
| ONCR. PAVING JOINT OR SAW MACH.; CONCR. PAVING SUB- RADER; TRACTOR W/BACKHOE ATTACH.; SUBGRADE OR BASE | | TRANSIT MIX; LOWBOY, LIGHT E | ELLED); DISTRIBUTOR (ASPHALT) DUIPMENT, OFF-HIGHWAY HAULER; | |
| INISHER; POWER PLANT (ELECT. GEN. OR WELDING MACH.) | 9.53 | ANK TRUCK, OVER 6000 GALLO | INS: DUMP TRUCK OVER IS CURIC | |
| ROUPIV | | YARDS; TRAILER SEMI-TRAILER | DUMP | 7.6 |
| ULLDOZER (INCL. SELF-PROPELLED ROLLER WIDOZER | | GROUPIV | | |
| TTACHMENT); BATCH OR CONTINUOUS MIX PLANT (CONCR. SOIL- EMENT OR ASPH.); ROLLER (STEEL WHEEL); FRONT END LOADER | | | LOWBOY, HEAVY EQUIPMENT | 7.8 |
| CY THRU 10 CY); SCRAPER OPER.; MOTOR GRADER | 9.55 | | | |
| ROUPV | | | Fringe Benefits | _ |
| SPH DISTR.; ASPH. PAVING OR LAYDOWN MACH.; ASPH. RETORT | | LABORERS** | .35 | _ |
| | | | | |
| ACH.: CLAM TYPE SHAFTMUCKER: BACKHOE, CLAMSHELL RAGLINE, GRADALL, SHOYEL (INDER 14 C7): ELEWING GRADER R BELT LOADER: CRAMES (CRAWLER OR MOBILE) UNDER 20 TON; IR COMPRESSOR (300 CFM & OVER): CRUSHING SCREENING & MINING PLANTS; DRLG. MACH. (CABLE CORE OR ROTARY); MIXER, ONCR. (1 CY & LESS); PUMP (6" INTAKE OR OVER); WINCH TRUCK; OIST (1 DRUM); INDUS. LOCO. MOTORMAN; LUMBER STACKER; | | CONCR. WORKERS; FLAGMAN I. GROUP II—SEMI-SKILLED AIR & POWER TOOL MAN: ASPH | ORER: CARPENTER TENDER; VER; CONCR. BUGGY OPR. (HAND); 5011. SAMPLE, TESTER | 6.5 |
| RACTOR (50 DRAWBAR HP OR OVER) | 9.55 | CEMENT MASON & PLASTERED | T SCALEMAN; TENDERERS (TO | |
| ONCR. PAVER MIXER: HOIST /2 DOLLM & CHERY SIDE AGE! | | MACH., ASPH. OR CEMENT CUT | MAN; CONCR. SAWMAN; CURBING | |
| RAGLINE GRADALL SHOVE (NO CYTO 2 CO. CO. MISSING | | | HOD CARRIER; MORTAR MIXER & N OR BLASTER HELPER; SAND- | |
| IR MOBILE) 20 TON TO 40 TON; FRONT END LOADER (OVER 10 CY); IIXER, CONCR. (OVER 1 CY); MECHANIC AND/OR WELDER. | | COMPACTOR CHAND TYPE: WITH | MAN (HAND TYPE): VIBRATORY | |
| ROUP /III | | | | |
| ONCR. SLIP.FORM PAYING MACH. COMOR DESIGN | | THE PARTY OF THE P | DVARE. WORKER | 6.84 |
| | | GROUP III - MISCELLANEOUS | * | |
| EFRIG.; JUMBO FORM OR DRLG.; STAGE: SLUSHER; CONCR. AVING SPREADER; PUMPCRETE MACH.; GROUT PUMP OPR | | MANHOLF RUIL DED. BIOST AVER | ZZLEMAN; MULTIPLATE SETTER; ; POWDERMAN-BLASTER-MAKE- | |
| | 9.75 | UP; LANDSCAPER | *************************************** | 7.24 |
| ROUP YIII | | | | |
| INE HOIST, BULLDOZER (MULTIPLE UNITS); SCRAPER (MULTIPLE NITS); MUCKING MACHINE.; BACKHOE, CLAMSHELL, DRAGLINE, RADALL SHOVE! (VER SCHOE) | | AND LABORERS APPLY TO ALL CL EACH OF THESE CRAFTS. | OR OPERATORS, TRUCK DRIVERS, ASSIFICATIONS LISTED BENEATH | |
| RADALL, SHOVEL (OVER 3 CY); CRANES (CRAWLER OR MOBILE) VER 40 TONS | | months, | | |
| | 9.90 | ALL LABORERS OR MECHANICS AND DO LAYOUT. | HAY WARY FRANCES | |
| | | AND DO LAYOUT. | MAI WORK PHOM BLUEPRINTS | |
| ROUPIX | | | | |
| ELT LOADER ICMI TYPE OPR - PIRELIONILE OPE | | | | |
| ELT LOADER (CMI TYPE) OPR.; PIPEMOBILE OPR. ASSISTANT, | , | WELDER RECEIVES RATE PRESCI OPERATION TO WHICH WELDING | RIBED FOR CRAFT PERFORMING | |

THE SCHEDULE OF WAGES SHALL BE POSTED BY THE CONTRACTOR IN A PROMINENT AND EASILY ACCESSIBLE PLACE AT THE SITE OF THE WORK.
JOR DESCRIPTIONS FOR CLASSIFICATIONS LISTED ON THIS WAGE DECISION ARE AVAILABLE AT THE LABOR & INDUSTRIAL DIVISION,
PURLIC WORKS RUREAU, SANTA FE, NEW MEXICO.

BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

CONSTRUCTION PLANS

CAMINO ALTO BRIDGE CROSSING
BERNALILLO COUNTY
BCP 57-91



0000 0000 13*3*4



RICHARD G. VAUGHAN & ASSOC. - ALBUQUERQUE

BCCA1-1

B.C. PROJECT

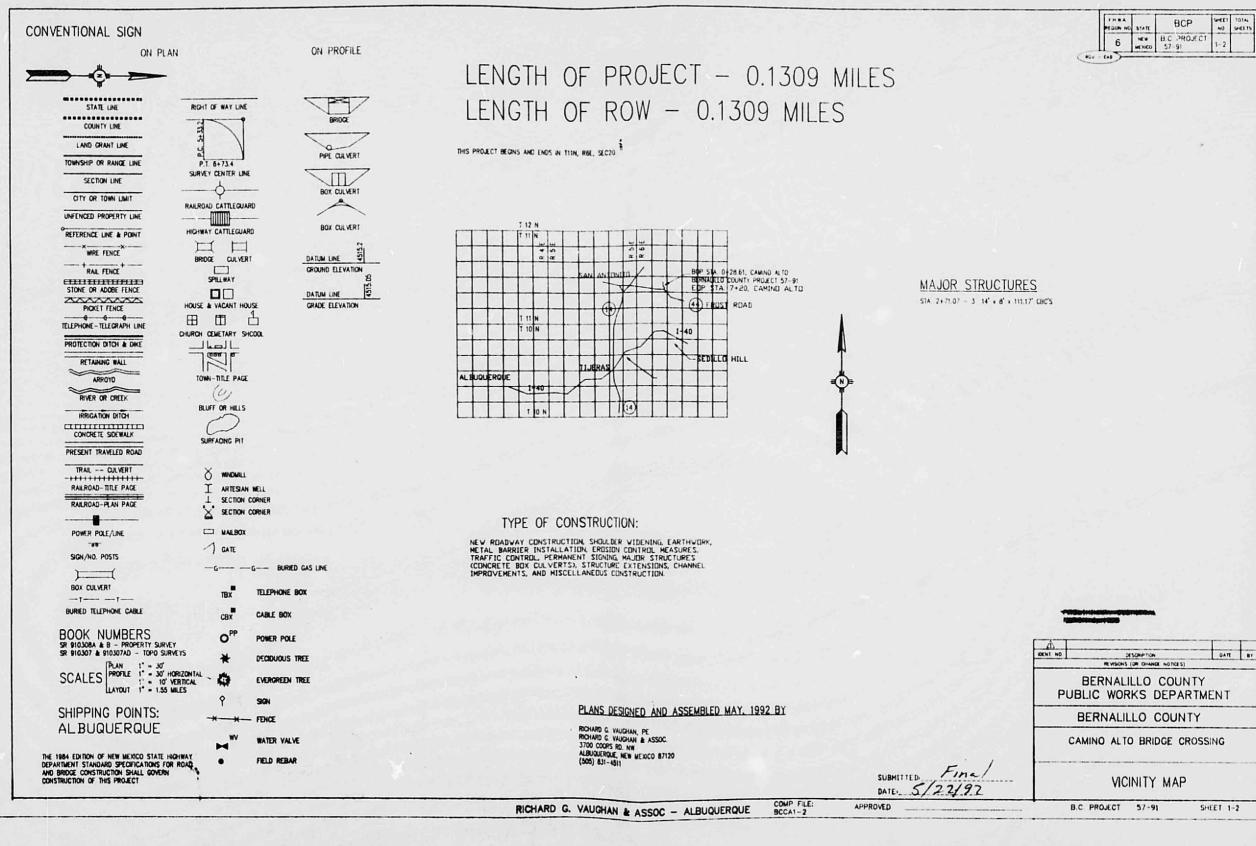
57-91

SHEET 1-1

SCALE 1/4" 1"

25× 0

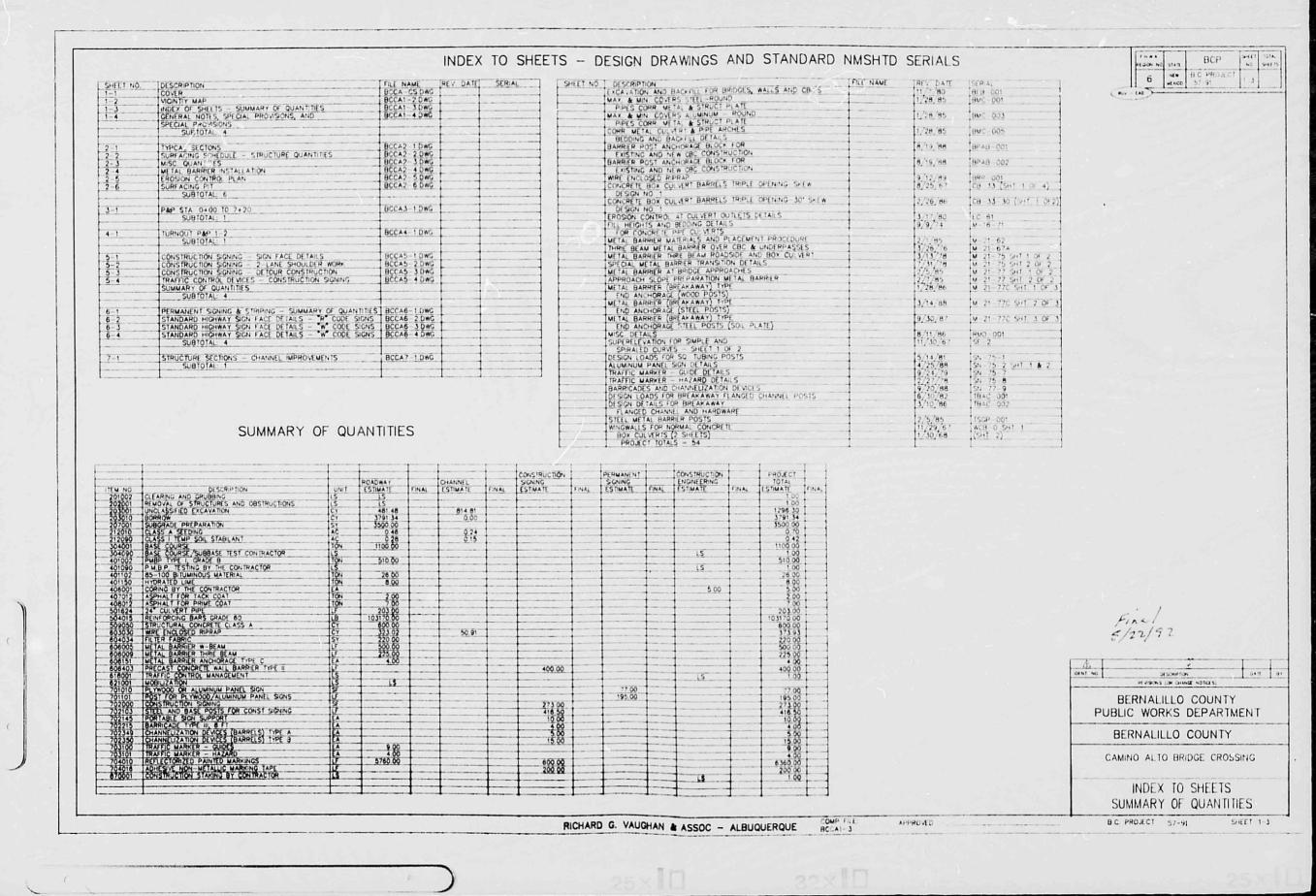
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25×10

32×10

DEV



GENERAL NOTES:

- 1. TRUNOUTS SHALL BE PAYED TO THE RICHT-OF-WAY OR AS NOTED WITH FULL SECTION. SURFACING IS TO BE ADJUSTED AT TURNOUTS TO ELIMINATE ABRUPT CHANGES IN THE RIDING SURFACE. SEE SERIAL RIMD-001.
- 2. EARTHWORK QUANTITIES ARE BASED ON A SHRINKAGE FACTOR OF 20% IN ROADWAY EMBANIKMENT.
- 3. THE DESIGN "N" VALUE FOR THIS PROJECT IS 29. MATERIAL WITH AN "R" VALUE OF LESS THAN 29 SHALL NOT BE PLACED OR ALLOWED TO REMAIN WITHIN 2 FEET OF FWISHED SUBGRADE.
- SURVEY CONTROL FOR THIS PROJECT IS THE EXISTING ROADWAY CENTERLINE. SHEET 3-1 PROVIDES TIES TO FIELD SET BRASS CAP ON NORTH END OF THE PROJECT.
- 5. ALL EXISTING TRAFFIC SIGNS, AND OTHER SIGNS SHALL BE REMOVED OR RESET AS NOTED.
- 6. THE CONTRACTOR SHALL ADJUST GRADES IF NECESSARY FOR TURNOUTS AND CROSS ROADS TO DRAIN AND TO RIT EXISTING FIELD CONDITIONS. PAYMENT FOR ANY STAKING REQUIRED TO COMPLETE WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM NO. 87000T—CONSTRUCTION STAKING BY THE CONTRACTOR, GRADES SHALL BE APPROVED BY THE PROJECT MANAGER.
- 7. THE CONTRACTOR SHALL CLEAN EXISTING STRUCTURES THAT ARE TO REMAIN AND/OR BE EXTENDED, COST OF THIS WORK WILL BE CONSIDERED INCIDENTAL TO COMPLETION OF THE PROJECT, SEE SPECIAL PROVISION 2068.
- 8. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION ZONE UNLESS: (his: EQUIPMENT OR MATERIAL IS PROPERLY SHELDED UNLIZHO CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DENGES FOR THE FIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BETORE IMPLEMENTING. THERE MILL BE NO DIRECT PAYMENT OR MEASUREMENT FOR THE DESIGN, MATERIALS, INSTALLATION, AND REMOVAL OF THE
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INGRESS AND ECRESS TO THE RESIDENTS ON CAMINO ALTO FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING THE RESIDENTS INFORMED OF CONSTRUCTION THAT AFFECTS INGRESS AND EGRESS.
- 10. THE REMOVAL OF EXISTING DRAINAGE STRUCTURES AND THE INSTALLATION OF NEW DRAINAGE STRUCTURES SHALL BE ACCESSFUSHED IN PHASES TO CONFORM WITH THE TRAFFIC CONTROL PLANS, CHUR PLANS, AND STRUCTURE PLACEMENT PLANS.
 THE CONTROL OF MILL BE REPONDISTED FOR MANIFAMING EXISTING DRAINAGE PATTERNS DURING THE CONSTRUCTION. SALVAGE DRAINAGE STRUCTURES AS DIRECTED BY THE PROJECT MANAGER.
- 11. THE CONTRACTOR SHALL PLAN HIS DALY SURFACING OPERATIONS ON A SCHEDULE WHICH WILL RESULT IN NOT MORE THAN ONE (1) DAYS OPERATION OF EXPOSED LONGITUDINAL JOINTS SHALL NOT HAVE A HEIGHT GREATER THAN TWO (2.0) INCHES AND SHALL NOT BE EXPOSED LONGER THAN 24 HOURS. ALL LONGITUDINAL JOINTS SHALL HAVE A ONE FOOT OR 8:1 MINIMUM TAPER AND TRANSVERSE JOINTS SHALL HAVE A FOUR FOOT OR 24:1 MINIMUM TAPER.

GENERAL NOTES: (CONT)

- 12. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE
- 13. WARP SLOPES WHERE NECESSARY TO STAY WITHIN RIGHT-OF-WAY OR CONSTRUCTION
- 14. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 ION HON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN EMBANGENT AND SUBGRADES IN URBAN OR OTHER AREAS WHERE THE USE OF HEAVER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
- 15. ANY INFORMATION REQUIRED ON THE MONUMENTATION PLANS FOR THIS PROJECT MAY BE OBTAINED FROM THE PROJECT MANAGER.
- 16. UTILITY OWNERS SHALL BE NOTIFIED PRIOR TO ANY WORK IN AND AROUND EXISTING UTILITIES. FIELD VERBY THE EXISTING WATER UNE AND CHECK THE LINE PRIOR TO ANY WORK. LINE BREAKS AFTER THE INITIAL CHECK ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION BY THE UTILITY COMPANIES WILL BE DONE CONCURRENTLY WITH CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN COMJUNCTION WITH HIS OWN WORK AND SHALL BE REQUIRED TO COORDINATE THE SCHOOLUNG OF WORK WITH THE RESPECTIVE UTILITY COMPANIES. NO CLAIM FOR DELAY WILL BE ALLOWED AND THE CONTRACTOR MUST PROVIDE FOR THESE CONTINGENCIES WHEN BIDDING THE PROJECT.

| ı | FRIEA. REGION NO. | STATE | BCP | SHEET | TOTAL |
|---|----------------------|-------|-------------|-------|-------|
| | 6 | NEW | B.C PROJECT | 1-4 | |

SPECIAL PROVISIONS

FOR MINIMUM WAGE RATES
FOR TAKES IMPOSED BY THE STATE OF NEW MEXICO, SECTION 107 (11/1/88)
FOR TAKES IMPOSED BY THE STATE OF NEW MEXICO, SECTION 107 (11/1/88)
FOR APPPRENTICES (4/26/82)
MODIFYING SECTION 101 — ABBREVIATIONS AND DEFINITIONS (8/12/87)
MODIFYING SECTION 105 — CONTROL OF WORK (5/8/90)
MODIFYING SECTION 106 — PROSECUTION AND PROGRESS (6/24/88)
MODIFYING SECTION 108 — PROSECUTION AND PROGRESS (6/23/88)
MODIFYING SECTION 401 — PLANT MIX BITUMINOUS PAVEMENT (PMBP) (3/29/90)
MODIFYING SECTION 402 — PLANT MIX BITUMINOUS PAVEMENT (PMBP) (3/29/90)
MODIFYING SECTION 501 — PIPE CULVERTS AND UNDERDRAINS (10/489)
MODIFYING SECTION 503 — PORTLAND CORMENT CONCRETE (8/28/90)
FOR FILTER FABRIC — SECTION 604—A (10/31/88)
MODIFYING SECTION 606 — METAL AND CONCRETE BARRIER (7/28/88)
FOR TRAFFIC COURROL WAMAGEWENT — SECTION 618 (2/11/91)
MODIFYING SECTION 701 — TRAFFIC SIGNS & SIGN STRUCTURES (4/5/88)
MODIFYING SECTION 701 — TRAFFIC CONTROL DEVICES FOR DETOURS (9/20/89)

SUPPLEMENTAL SPECIFICATIONS

MODIFYING SECTION 101 — ABBREVIATIONS AND DEFINITIONS (6/1/89)
MODIFYING SECTION 102 — BIDDING REQUIREMENTS AND CONDITIONS (1/14/87)
MODIFYING SECTION 103 — AWARD AND EXECUTION OF CONTRACT (1/14/87)
MODIFYING SECTION 104 — SCOPE OF WORK (4/26/89)
MODIFYING SECTION 105 — CONTROL OF WAR (4/26/89)
MODIFYING SECTION 106 — CONTROL OF MATERIALS (1/14/87)
MODIFYING SECTION 107 — LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC (9/12/89)
MODIFYING SECTION 108 — PROSECUTION AND PROGRESS (1/14/87)
MODIFYING SECTION 109 — MEASUREMENT AND PAYMENT (12/28/88)
MODIFYING SECTION 109 — MEASUREMENT AND PAYMENT (12/28/88)
MODIFYING SECTION 304 — BASE COURSE AND SUBBASE (6/21/90)
MODIFYING SECTION 401 — PLANT MIX BITUMINOUS PAYMENT (1/8/91)
MODIFYING SECTION 402 — BITUMINOUS MATERIALS (5/19/91)
MODIFYING SECTION 408 — PRIME COAT (2/2/87)
MODIFYING SECTION 408 — PRIME COAT (2/2/87)
MODIFYING SECTION 501 — PIPE CULVERTS AND UNDERDRAINS (6/30/86)
MODIFYING SECTION 503 — PORTLAND CEMENT CONCRETE (9/26/88)
MODIFYING SECTION 503 — PORTLAND CEMENT CONCRETE (9/26/88)
MODIFYING SECTION 504 — STEEL PEINFORCMEMENT (10/29/84)
MODIFYING SECTION 505 — PORTLAND CEMENT CONCRETE (9/26/88)
MODIFYING SECTION 507 — CONCRETE STRUCTURES (2/19/87)
MODIFYING SECTION 607 — MERCAL AND CONCRETE BARRIER (2/2/87)
MODIFYING SECTION 607 — MERCAL AND CONCRETE BARRIER (2/2/87)
MODIFYING SECTION 704 — PAYEMENT MARKENS (6/8/87)
MODIFYING SECTION 705 — TRAFFIC MARKERS (6/8/87)
MODIFYING SECTION 707 — TRAFFIC CONTROL DEVICES FOR DETOURS (6/1/87)
MODIFYING SECTION 707 — TRAFFIC MARKERS (6/8/87)
MODIFYING SECTION 708 — TRAFFIC MARKERS (6/8/87)
MODIFYING SECTION 870 — CONSTRUCTION STAKING BY THE CONTRACTOR (1/3/89)

Final SUBMITTED. DATE: 5/22/92

DATE BY DESCRIPTION REVISIONS (OR CHANGE HOTICES) BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT

BERNALILLO COUNTY

CAMINO ALTO BRIDGE CROSSING

GENERAL NOTES, SPECIAL PROVISIONS. SUPPLEMENTAL SPECIFICATIONS

B.C. PROJECT 57-91

SHEET 1-4

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

COMP FILE:

APPROVED

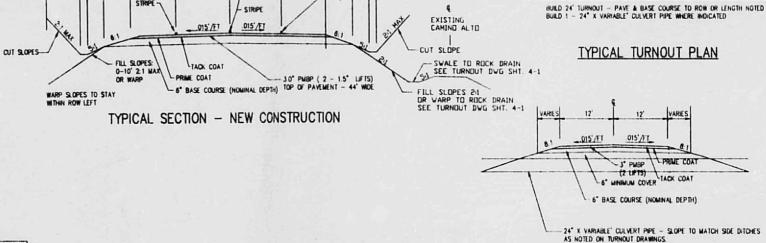
DESIGN SPEED 25 M.P.H. TOP OF PAVEMENT 22' + 0 0.02'/FL 0.02'/FT. 6" BASE COURSE (NOMINAL DEPTH) TYPICAL EXISTING ROADWAY SECTION FOR SHOULDER WIDENING AT BOP - CUT EXISTING PAVEMENT BACK 1'. PROFILE GRADE AT CENTERLINE - TOP OF PAVEMENT SHOULDER DETAIL TYPICAL ROADWAY SECTION

LENGTH OF PROJECT

| STATION | TO STATION | LINEAL FEET | MILES | REMARKS |
|---------|----------------|-------------|--------|------------------|
| 0+28.61 | 0+71.12 | 42.51 | .00806 | SHOULDER MOEHING |
| 0+71.12 | 7+20.00 | 648.88 | .12289 | NEW CONSTRUCTION |
| | TOTALS | 691.39 | .13095 | |
| WAJ | OR STRUCTURES | | | |
| 2+71.07 | 3 - 14x8 CBC & | 111 | | NEW CONSTRUCTION |
| | TOTALS | 111 | | |

0+71.12 TO 7+20.00

TYPICAL SECTION SURFACING STATION 0+26.61 TO 0+71.12



NOTES: 1. SEE SHEET 4-1 FOR TURNOUT PROFILES

DESCRIPTION REVISIONS (OR CHANGE NOTICES) DATE BY BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT BERNALILLO COUNTY CAMINO ALTO BRIDGE CROSSING TYPICAL SECTIONS

HEW B.C PROJECT MENCO 57-91

WARP SLOPE FROM TYPICAL SIDE SLOPE

TO END OF CULVERT

EDGE OF PAVED SHOULDER

SKEW ANGLE - VARIES - ALL ROADS NORMAL AT INTERSECTION

CENTERLINE OF CONSTRUCTION

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

TYPICAL SECTION - TURNOUTS

B.C. PROJECT 57-91

SHEET 2-1

32× 🔲

0000 0000 1344

SURFACING SCHEDULE

SUBGRADE PREP

BASE COURSE

PMBP

ASPHALT

| SURFACING SCHEDULE | NO. &/OR | | ITEM 207001 SUBGRADE PREP | AVG | NORMAL | BASE COURSE | ITEM 304001 BASE COURSE | AVG WIDTH | | PMBP TYPE I-GRADE B | HEM 401002 PMBP TYPE I-GRADE B | 1TEM 401102 85-100 BIT MAT | ITEM 401150 HYD LIME | ITEM 407012 ASPHALT TACK COAT | ITEM 408012 ASPHALT PRIME COA |
|---|--------------------|-------|------------------------------------|--|-----------------|----------------|----------------------------------|--------------|--------|------------------------|---|-------------------------------------|----------------------------|--|--|
| STATION TO STATION | NO. &/OR LIN FT | WDTH | SQ YOS | MDTH IN FT | DEPTH IN IN. | SQ YDS | TONS | IN FY | IN IN. | SQ YDS 3" THICK | TONS | TONS | TONS | TONS | TONS |
| NEW CONST - 3.0" PMBP/6" BASE COURSE 0+71.12 TO 6+67.29 MAINLINE | 596.17 | 24.00 | 1589.79 | 24.00 | 6.00 | 1589.79 | 519.33 | 24.00 | 3 00 | 1589.79 | 262 98 | 13.15 | 3.94 | 1.01 | 3.40 |
| NEW CONST 2-8' SHDR\$/4.58' SURF TAPERS 1+48.91 TO 3+56.10 SHOULDER LT 1+48.91 TO 4+02.10 SHOULDER RT | 230.19 | 25.16 | 643.51 | 22.11 | 6.00 | 565.41 | 184.70 | 17.53 | 3.00 | 448.27 | 74.15 | 3.71 | 1.11 | 0.29 | 1.04 |
| SURF CONNECTIONS - J.O" PMBP /6" BASE COURSE 6+67 TO 7+20 MAINLINE - LANE TAPER | 53.00 | 22.00 | 129.56 | 22,00 | 6.00 | 129.56 | 42.32 | 22.00 | 3.00 | 129.56 | 21.45 | 1.07 | 0.32 | 0.08 | |
| SHOULDER TAPERS 28.61 TO 1+48.91 & 3+56.10/4+02.10 TO 5+07.33 | 248.53 | 12.58 | 347.39 | 11.05 | 6.00 | 305.23 | 99.71 | 8.76 | 3.00 | 241.99 | 40,03 | 2,00 | 0.60 | 0.15 | 0.56 |
| PAVED TURNOUTS-24' - GARDEN ROAD 3"PMBP ON 6"BASE COURSE | 1.00 | | 433.33 | | 6.00 | 400.00 | 130.67 | | 3.00 | 381.11 | 63.04 | 3.15 | 0.95 | 0.24 | 0.82 |
| PAVED TURNOUTS-24' TO CAMINO ALTO 3"PMBP ON 6"BASE COURSE | 1.00 | | 244.44 | | 6.00 | 221.11 | 72.23 | | 3,00 | 216.67 | 35.84 | 1.79 | 0.54 | 0.14 | 0.46 |
| ADDITIONAL METAL BARRIER INSTALLATION | 2.00 | | 40.00 | | 6.00 | 133.00 | 43.45 | | 1,50 | 133.00 | 11.00 | 0.55 | 0.17 | 0.03 | 0.09 |
| PROJECT TOTALS | | | 3428.02 | | | 3344.10 | 1092.41 | | | 3140.39 | 508.47 | 25.42 | 7,63 | 1.94 | 6.38 |
| USE | | | 3500.00 | 1 | | 3400 00 | 1100.00 | 1 | | 3200.00 | 510.00 | 26.00 | 8.00 | 2.00 | 7.00 |

STRUCTURE QUANTITIES

| | STRUCTURE QUANTITIES - CAMINO ALTO | | | | | | | |
|------------|--|--------------|--------------|-------------|--------------|--------------|-------------|---------|
| | | 1 | ITEM NO | ITEM NO | ITEM NO | ITEM NO | ITEM NO | ITEM NO |
| | | | 203001 | 501624 | 504015 | 509050 | 603030 | 604034 |
| | | | UNCLASSIFIED | 24" CULVERT | GRADE 60 | CLASS A | 12" WRE | FILTER |
| | | | EXCAVATION | PIPE | REBAR | CONCRETE | ENCL RIPRAP | FABRIC |
| STATION | STRUCTURE NO. AND DESCRIPTION | SKEW | INLET/OUTLET | LENGTH | LB | CY | CY | SY |
| | | | CY | | | + | | |
| 2+71.07 | 1 BUILD 3-14'x8'x111.17' CBC 30 SKEW | SKEW | | | 103159.55 | 599.00 | 73.33 | 220.00 |
| | 50' LT. & 50' RT. | | | | | | | |
| | BUILD EROSION CONTROL PADS FROM INLET AND OUTLET TO | | | | 1 | - | | |
| | END OF NEW WINGWALLS LT. & RT. | | | | | + | | |
| 1+83.12 LT | GARDEN ROAD TURNOUT - BUILD 1-24"x105" CUL. PIPE-SKEW | | | + | · | | + | |
| | 37' LT - 2.381% PIPE SLOPE | SKEW | | 105.00 | | | | |
| 3+65.10 RT | CAMINO ALTO RO TURNOUT-BUILD 1-24"x78' CUL PIPE-SKEW 53.83' RT - 2.564% PIPE SLOPE | 1 | | Ī | | | | |
| | 53.83' RT - 2.564% PIPE SLOPE | SKEW | | 78.00 | | | | |
| 5+94.50 | 2 1 - 24" x 42" CMC SKEWED IN PLACE | | | + | | | | |
| | 2 1 - 24" x 42' CMC - SKEWED IN PLACE EXTEND IN KIND - 20' LT - SLOPE = 7.02% | SKEW | | 20.00 | 1 | | | |
| | TOTALS - ALL STRUCTURE QUANTITY SHEETS | | 0.00 | 203.00 | 103159.55 | 599.00 | 73.33 | 220.00 |
| | TOTAL TELEVISION AND ADDRESS OF THE PARTY OF | | 1 | | | 1 225.00 | /3.33 | 220.00 |
| | USE | | 0.00 | 203.00 | 103170.00 | 600.00 | 74.00 | 220.00 |

ESTIMATED SURFACING FACTORS

| | BITUMIN | DUS MATER | ZIAL | | ESTIMATED | T |
|--|---------------|----------------------|----------------------|---------|-----------|------------------|
| | 95-100 | SPEC 407 | SPEC 408 | PER TON | LBS/CY | HYDRATED LIME |
| BASE COURSE - TYPE 18 | | | | | 3920 | |
| PLANT MIX BITUMINOUS PAVEMENT TYPE 1 GR B | 5 0% | | | | 3970 | 15% BY V |
| ASPHALI FOR TACK COAT | | 0 Q2-0.15 GALS/SY | | 235.66 | | |
| ASPHALI FOR PRIME COAT | | | 0.35-0.55 GALS/SY | 256.86 | | |

CAMINO ALTO BRIDGE CROSSING

BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT BERNALILLO COUNTY

DESCRIPTION REVISIONS (OR CHANGE HOTICES)

STRUCTURE QUANTITIES SURFACING SCHEDULE

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

B.C. PROJECT 57-91

32×▮□

ITEM NO. 202001

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

| TATION TO | STATION | UN FT/NO | LOCATION | DESCRIPTION |
|-----------|---------|--------------|----------|-------------------------------|
| 0+00 | 7+20 | | PROJECT | SIGNS TO BE REMOVED & RESET |
| 1+70 | | 60'-10" | LEFT | CMP |
| 2+00 | | 67'-60" | RIGHT | ICMP |
| 2+08 | | 1 | RIGHT | CABLE BOX- REMOVAL BY OTHERS |
| 3+42 | | 1 | LEFT | TPOWER POLE-REMOVAL BY OTHERS |
| 5+92 | | | LEFT | SIGNAL POLE-REMOVAL BY OTHERS |

EARTHWORK ESTIMATE SUMMARY

| STATION TO STATION | TEXCAVATION | EMBANKMENT | SHRINK | BORROW | EXCESS | REMARKS |
|---------------------|------------------|----------------|--------|---------|------------------|--------------|
| 0+28.61 TO 7+20 | 481,48 | 4033.33 | 806,67 | 4358.52 | 0.00 | MAIN ROADWAY |
| TOTALS | 481.48 | 4033.33 | 806.67 | 4358.52 | 0.00 | MAIN ROADWAY |
| EAST CHANNEL | 518.52 | 206.37 | 41.27 | 0.00 | 270.68 296.30 | CHANNEL |
| WEST CHANNEL TOTALS | 296,30 814.81 | 0.00 208.37 | 41.27 | 0.00 | 567,18 | CHANNEL |
| NET BORROW & EXCESS | | | | 3791.34 | 0.00 | |
| PROJECT TOTALS | 1296.29 | 4239.70 | 847.94 | 3791.34 | 0.00 | |

SHRINKAGE FACTOR OF 20% ASSUMED FOR EARTHWORK COMPUTATIONS.
EXISTING ROAD SURFACING MAY BE BROKEN UP AND USED IN EMBANKMENT.
BORROW SHALL BE OBTAINED FROM COMMERICAL SOURCES.
EXCESS SHALL BE USED IN ROADWAY.

ENVIRONMENTAL REQUIREMENTS

THERE ARE NO SPECIAL ENVIRONMENTAL CONCERNS.

ITEM NO. 201002 CLEARING AND GRUBBING

BID AS A LUMP SUM FOR THE PROJECT

ITEM NO. 401090 P.M.B.P. TESTING BY THE CONTR

BID AS A LUMP SUM FOR THE PROJECT

ITEM NO. 618001 TRAFFIC CONTROL MANAGEMENT

BIO AS A LUMP SUM FOR THE PROJECT

ITEM NO. 406001 CORING BY CONTRACTOR

5 / EACH

ITEM NO. 870001 CONSTRUCTION STAKING BY CONTRACTOR

BID AS A LUMP SUM FOR THE PROJECT

ITEM NO. 621001 MOBILIZATION

BID AS A LUMP SUM FOR THE PROJECT

ITEM NO. 304090 BASE COURSE/SUBASE TEST CONTR

BID AS A LUMP SUM FOR THE PROJECT

ITEM NO. 704010
REFLECTORIZED PAINTED MARKINGS

| STATION | TO STATION | LF YELLOW | LF WHITE | REMARKS |
|---------|------------|-----------|----------|--|
| 0+00 | 7+20 | 1440 | 1440 | DOUBLE CENTER YELLOW & SHOULDER STRIPES |
| | USE | 1440 | 1440 | DOUBLE APPLICATION TOTAL = 2880-2 = 5760 |

SEE SHEET 5-4 FOR CONSTRUCTION STRIPPING QUANITIES.

ITEM NO. 703100 TRAFFIC MARKER GUIDES

| STATION | TO | STATION | LOCATION | NO. | REMARKS |
|---------|----|---------|---------------|-----|--|
| 0+00 | | 1+50 | LT. | 3 | SPACE 0 50' +/- O.C. AROUND CURVE |
| 4+50 | | 7+00 | RT. | 6 | SPACE • 50' +/- O.C. AROUND CURVE SPACE • 50' +/- O.C. AROUND CURVE |
| | | | PROJECT TOTAL | | |

ITEM NO. 703101 TRAFFIC MARKER - HAZARD

| STATION TO STATION | LOCATION | NO. | REMARKS |
|--------------------|---------------|-----|------------|
| PROJECT LENGTH | RY. | 2 | TWO AT CBC |
| PROJECT LENGTH | 16 | 2 | TWO AT CBC |
| | | | |
| | PROJECT TOTAL | 4 | |

SEE STRUCTURE QUANTITY SHEET FOR LOCATION

BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT

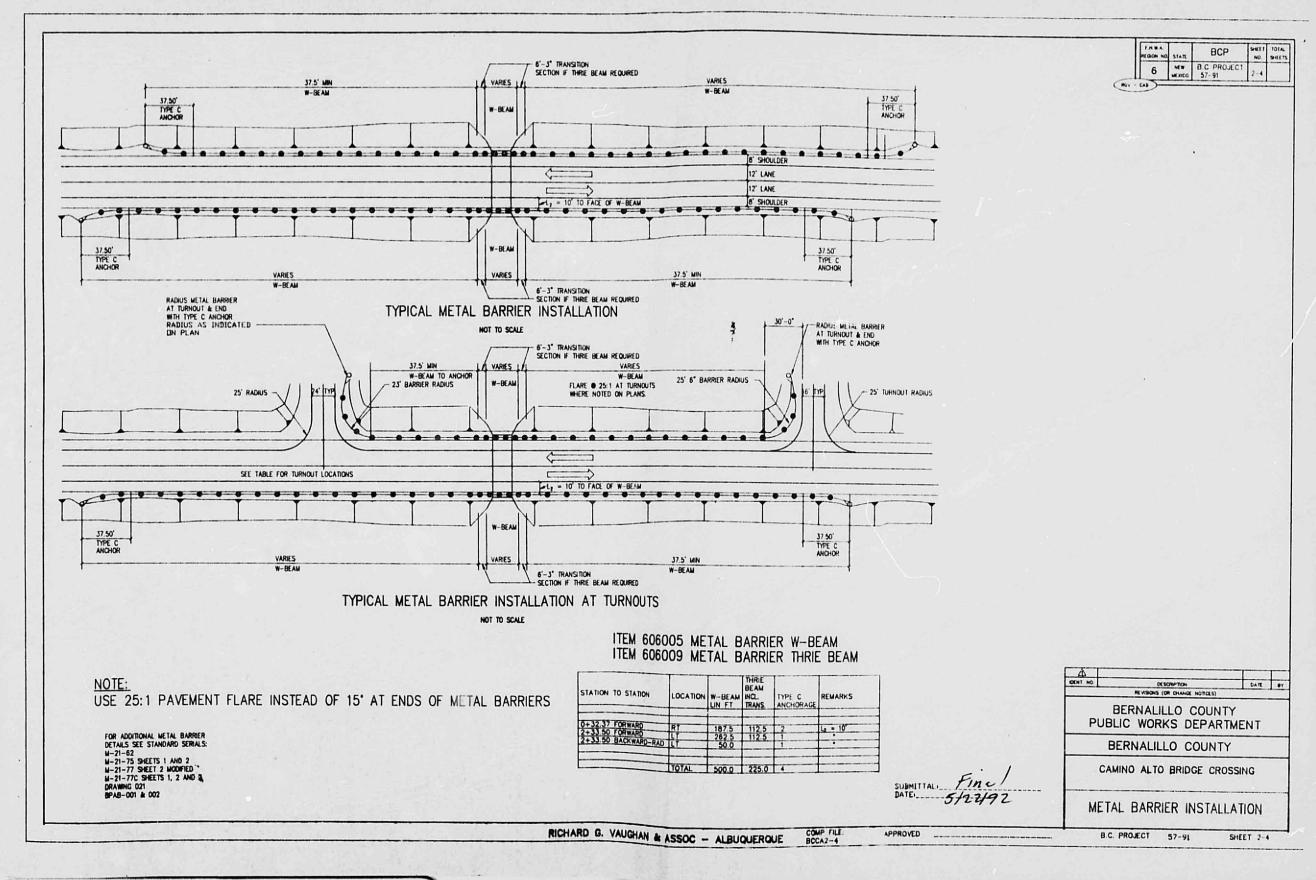
BERNALILLO COUNTY

CAMINO ALTO BRIDGE CROSSING

MISCELLANEOUS QUANTITIES

B.C. PROJECT 57-91

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE



25× □

32× ▮□

EROSION CONTROL PLAN

A. ERODIBLE SURFACE AREA

THERE IS NO LIMIT TO ERODIBLE SURFACE AREA EXPOSED AT ONE TIME FOR THIS PROJECT

TEMPORARY SOIL STABILANT PER ACRE SHALL CONSIST OF DRY POWERED MUCLIOD DERIVED FROM SEED HUSKS OR SEMIRETINED SEAWEED EXTRACT, EITHER SHALL BE MIXED WITH VIRGIN WOOD CELLULOSE MUCCH COMBINED WITH WATER, MIXED ACCORDING TO MANUFACTURER'S RECOMMENDATION AND APPLIED AT THE DISORRIDON OF THE PROJECT MANAGER TO AREAS IN WHICH THERE MILL BE A SIGNIFICANT DELAY IN APPLYING PERMANENT MEASURES AND/OR THE SOIL ERODBILITY IS SEVERE.

"ALL SOIL SLOPES SHALL BE SCARIFED OR LEFT ROUGH AS THEY ARE CONSTRUCTED"

(NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT, STANDARD SPECIFICATIONS
FOR ROUD AND BRIDGE CONSTRUCTION, 1984 EDITION, SECTION 211.031 CONSTRUCTION
FOR ROUD AND BRIDGE CONSTRUCTION 1984 EDITION, SECTION 211.031 CONSTRUCTION
FOR WALKING A TRACKED VEHICLE PERPERDICULAR TO THE SLOPE, INDENTATIONS SHALL BE A MINIMUM
OF THREE INCHES DEEP, ALL SOILS AREAS 3:1 OR FLATTER EXPOSED DURING
CONSTRUCTION WITHIN PALLECT LIMITS SHALL BE TREATED WITH CLASS "A" SEEDING, SLOPES
STEEPER THAN 3:1 SHALL BE TREATED WITH CLASS "C" SEEDING, ANY CLASS "C" SEEDING
EQUIPMED SHALL BE MEASURED AND PAD FOR UNDER CLASS "A" SEEDING MY MICH FOR
SEEDING SHALL BE BRAILEY STRAW AT THE RATE OF 1-1/2 TONS PER ACRE, MULCH FOR
CLASS "A" SEEDING SHALL BE ANCHORED WITH TACKIPIER AS IN CLASS "C" SEEDING.

THE PITS AND HAUL ROADS SHALL BE TREATED WITH CLASS "A" SEEDING AS REQUIRED.

CONTRACTORS' CAMPSITES, STOCKPILE AREAS AND ANY OTHER NON DESIGNATED HAUL ROAD OR DISTURBED AREA SHALL BE TREATED WITH CLASS "A" SEEDING AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

MULCH ANCHORING TACK FOR CLASS "C" SEEDING SHALL BE THE SAME AS THE TEMPORARY SOIL STABILANT EXCEPT THAT IT IS APPLIED AS AN OVERSPRAY AFTER FERTILIZER, SEED AND MULCH ARE IN PLACE TACK SHALL BE APPLIED AT A SUFFICIENT RATE SO AS TO PREVENT MULCH FROM MOVING DUE TO WINDS OR TURBULENCE CREATED BY TRAFFIC ON THE ROADWAY, AREAS WHERE MALCH FAILS TO ADHERE SHALL BE REMULCHED AND TACKED AND NO EXTRA PAYMENT SHALL BE MADE THEREFOR.

MEN SEEDING IS APPLIED, ALL VEGETATION WHICH WILL INTERFERE
THE SEED AND MULCH MAKING CONTACT WITH THE SOIL SHALL BE REMOVED.

CLASS "C" MULCH SHALL BE APPLIED FROM SEPTEMBER I THROUGH APRIL 30. MULCH SHALL BE BARLEY STRAW AT THE BASE RATE OF 1.5 TONS PER ACRE AND SHALL BE ANCHORED AS IN CLASS "C" SEEDING ABOVE.

| SPECIES | ORIGIN | SEED PER ACRE |
|--|---------------------|---------------|
| Boutelous gracilis (BLUE CRAMA) | HACHITA OR LOWNGTON | 1.0 |
| Buteloug curlipendulo (SIDEDATS GRAMA) | VAUGHN OF NINER | 4.0 |
| Agropyron smithil (WESTERN WHEATGRASS) | BARTON OR ARRIBA | 4.0 |
| Hilaria Jameeli (GALLETA) | VIVA | 0.5 |
| Buchloe doctyloides (BUFFALOGRASS) | TEXOKA OR SHARPS | 4.0 |
| | TOTAL | 17.0 |

THE FOLLOWING SEED SHALL REMAIN <u>UNINIZED</u> AND BE BROADCAST AND RAKED INTO AREAS DESIGNATED BY THE LANDSCAPE ARCHITECT, AND AT LEAST ONE WEEKS NOTICE SHALL BE GIVEN PRIOR TO SEEDING TO ALLOW AREAS TO BE SELECTED:

| | | UBS. PURE LIVE SEED |
|--|--------------------------|---------------------------------|
| Gallardia artetet (FREWHEEL) Petalastemum purpureum (P. PRAIRE COVER) Litum leviali (BLUE FLAX) Pensteman strictus (ROCKY MT. PENSTEMON) Chrysanthemum leucanthemum (OX-EYE DAISY) | ANY ANY ANY ANY | 7.0 7.0 7.0 7.0 7.0 |
| | TOTAL | 35.0 |

** THE PROJECT MANAGER SHALL CONTACT CHARLES PREFER AT THE NEW MEXICO DEPARTMENT OF ACRICULTURE (846-2886) TWO WEEKS PRIOR TO SEEDING SO THAT AN OFFICIAL SEED SAMPLE CAN BE TAKEN.

FERTILIZER REQUIREMENTS

| CHEMICAL | ACTUAL MIN POWNDS/ACRE |
|---|---------------------------|
| SLOW RELEASE NITROCEN (I.E., UREA FORMALDEHYDE) | 50 |
| PHOSPHORUS, AS P2 05 SULPHER (IN WATER SOLUBLE FORM) | 46 48 |

SEEDING DATES

* A. PERIOD A TO B — MAY 1 THROUGH MAY 3! B. PERIOD B TO E — JUNE 1 THROUGH AUGUS! 3! C. PERIOD C TO D — NONE D. PERIOD E TO A — SEPTEMBER 1 THROUGH APRIL 30

WATER FOR PERIOD A TO B SHALL BE APPLIED ACCORDING TO SECTION 212.39 OF THE STANDARD SPECIFICATIONS AT THE FOLLOWING RATES AND SHALL BE CONTINUED UNTIL JUNE 14:

FIRST TWO WEEKS – FOUR APPLICATIONS ON ONE INCH EACH. TIMED THREE DAYS APART,

SUBSEQUENT WEEKS - ONE INCH PER WEEK.

** DURING THIS PERIOD CLASS "G" MULCH SHALL BE APPLIED. IT SHALL BE THE RESPONSIBILITY OF THE PRPJECT MANAGER TO ADVISE THE CONSTRUCTION BUREAU OF THE NEED TO INITIATE A PROJECT TO PERFORM PERMANENT SEEDING.

ANY PROPOSED CHANGES OR MODIFICATION TO THIS PLAN SHALL BE DISCUSSED WITH THE LANDSCAPE ARCHITECT PRIOR TO MAKING SUCH CHANGES OR MODIFICATIONS.

ITEM 212010 - CLASS "A" SEEDING

| | PROJECT |
|---------|-----------|
| ROADWAY | .46 ACRES |
| CHANNEL | .24 ACRES |
| TOTAL | .70 ACRES |

ITEM 212090 - CLASS "I" TEMPORARY SOIL STABILANT

| | PROJECT |
|----------------------|-------------|
| ROADWAY | .28 ACRES |
| CHANNEL | .15 ACRES |
| TOTAL | .43 ACRES + |
| . 60% OF ALL SEEDING | |

DATE BY DESCRIPTION REVISIONS (OR CHANGE NOTICES) BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT BERNALILLO COUNTY CAMINO ALTO BRIDGE CROSSING EROSION CONTROL PLAN

MEW BIC PROJECT MEXICO 57-91

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

APPROVED

SUBMITTED Fina/

B.C. PROJECT 57-91

SHEET 2-5

0000 0000 1348

USE COMMERICAL PIT FOR SURFACING AND BORROW

-5/22/92

| | SURF. PIT NO. | | FHWA | | | per | TOTAL |
|----------|---------------|------|-----------|--------|---------------------|-----|-------|
| | | | REGION NO | | | NO. | 94175 |
| NO. DESC | R# TION | DATE | | NEW | BC PROJECT 57-91 | | |
| | | | II o | MENICO | 57-91 | 2-6 | |

CAMINO ALTO BRIDGE CROSSING - BERNALILLO COUNTY

HYDRAITD LIME WILL BE REQUIRED TO MEET DESIGN REQUIREMENTS FOR PLANT MIX BITUMINOUS PAYEMENT. THAS IS TO BE ADDED BY A CONTROLLED PROCESS IN ACCORDANCE WITH SPECIFICATIONS.

NATURAL FINES PASSING THE NO. 4 SCREEN ARE TO BE <u>PRESCREENED</u> DURING PLIBP PRODUCTION AND PLACED IN A SEPARATE STOCKPILE. CRUSHED COARSE AND FINE AGGREGATES PRODUCED FOR PUBP ARE ALSO TO BE STOCKPILED SEPARATELY.

THE LIQUID LIMIT AND SAND EQUIVALENT OF THE ASPHALT CONCRETE AGGREGATE WILL BE DETERMINED FROM REPRESENTATIVE SAMPLES TAKEN AFTER THE AGGREGATE MATERIALS HAVE BEEN BLENDED AND PRIOR TO MIXING WITH BITUMINOUS MATERIALS.

"THIS PIT HAS BEEN DESIGNATED FOR USE ON THIS PROJECT AND APPEARS SUITABLE FOR THE PRODUCTION OF THE SPECIFIED MATERIALS. THE CONTRACTOR MAY, IF DESRED, EXPLORE OTHER SOURCE(S) WHICH WILL PRODUCE SPECIFICATION AGGREGATE. WHEN ENDORSED BY THE ENVIRONMENTAL SECTION, AND APPROVED BY THE MATERIALS LAB. BUREAU, THE DISTRICT ENGINEER, AND THE ENGINEERING/OPERATIONS DIVISION DIRECTOR, THE CONTRACTOR MAY USE THE NEW SOURCE(S) IN LIEU OF THIS PIT. ALL MATERIALS PIT ACTIONS STALL BE GOVERNED BY THIS NOTE AND BY SECTION 108 OF THE STANDARD SPECIFICATIONS."

THE MATERIAL PIT DATA INDICATED HEREON IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE ACCURACY OF THE INFORMATION AND THE REQUIREMENTS NECESSARY TO PRODUCE SPECIFICATION MATERIALS.

EXCUSIVE ROCHS TO PIT NO.

ARE NOT GRANTED TO THE CONTRACTOR UNDER THIS CONTRACT AND THE STATE MAY ASSIGN PORTIONS OF THE PIT TO OTHER PROJECTS FOR THE PRODUCTION OF AGGREGATES. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO MAINIMUM AREA, DESIGNATED BY THE ENGINEER, NECESSARY TO PRODUCE THE AGGREGATE FOR THIS PROJECT.

ESTIMATE FOR SEALING EMULSION: USE 0.10 GALLONS SPYEG 400 PER SQL TU.

7 PLANT MIX BITUM. PAYEIENT 5.0 x 85-100/MCO AC-10. BY MGT. OF 10TAL MIX
ASPHALT P. MIX BITUM. BNDER COURSE X BY WGT. OF 10TAL MIX
RECOMM. OPEN GRADED FRICTION COURSE X BY WGT. OF 10TAL MIX
BY MGT. OF 10TAL MIX

SURFACE TREATMENT: 1st COURSE GALS. SQ. YARD LBS. OF AGREGATE PER SQUARE YARD 2nd COURSE GALS. SQ. YARD LBS. OF AGREGATE PER SQUARE YARD SPECIFICATIONS FOR SURFACING AGGREGATES (% PASISNG)

| BASE | PMBP | | | F.17/ | |
|----------------|---|---|--|---|---|
| COURSE | TYPE I-B | | | | |
| | | | | | |
| 100 | | | | | |
| 80-100 | 100 | | | | |
| | | | | | |
| | 80-100 | | | | |
| | 70-90 | | | | |
| 30-60 | 50-65 | | | | |
| 20-45 | 32-45 | | - | | |
| | 10-22 | | - | | |
| | | | | | |
| 3-10 | L. L. R. | | | | |
| 25 LR LESS | SANDY | | | | |
| | NP | | | | - |
| 50 OR LESS | 40 OR LESS | | | | |
| | 15 OR LESS | | | | |
| 50 OR MORE | 75 OR MORE | | | | |
| EIGHT OF UNTRE | ATED SURFACING | | 3920 | IRS PER | CUBIC YARD |
| | MIX BITUM. PAYEMENT | | 3970 | | CUBIC YARD |
| | | | | | CUBIC YARD |
| | 30-80 30-80 30-80 30-80 20-45 3-10 25 LR LESS 50 OR LESS 18 OR LESS 18 OR LESS 19 OR LESS 10 OF LESS | COURSE TYPE I-B 100 80-100 100 80-100 70-90 30-60 50-65 20-45 32-45 10-22 J-10 LB SANDY NP 50 OR LESS 40 OR LESS 50 OR MORE EIGHT OF UNITRE ATED SURFACING DIGHT OF UNITRE ATED SURFACING DIGHT OF PUNIT MEX BITLU PAYSMENT | COURSE TYPE I-B 100 100 80-100 100 80-100 70-80 30-60 50-65 20-45 32-45 10-22 3-10 3-8 25-UR LESS SANOY NP 50 OR LESS 40 OR LESS 15 OR LESS | COURSE TYPE I-B 100 100 80-100 100 80-100 70-80 30-60 50-65 20-45 32-45 10-22 3-10 3-8 25-UR LESS SANDY NP 50 OR LESS 15 | COURSE TYPE I-B 100 100 80-100 100 80-100 70-80 30-60 50-65 20-45 32-45 10-22 3-10 3-8 25 UR LESS \$ANDY NP 50 OR LESS 15 |

UNIT WEIGHT OF OPEN CRADED FRICTION COURSE

LBS. PER CUBIC YARD

DEVELOPMENT RECOMMENDATIONS FOR THE PRODUCTION OF

SURFACING MATERIALS BASED ON:

1 - SAMPLES AND LOSS FROM THE INDICATED TEST HOLES.
2 - STRIPPING OVERBURDEN TO THE DEPTHS RECOMMENDED.
3 - WORKING A VERTICAL FACE, EXPOSING THE APPROVED PRODUCTION DEPTH IN ONE LIFT AFTER

STRIPPING AS RECOMMENDED.

CONCRETE AGGREGATES MAY BE OBTAINED FROM APPROVED COMMERCIAL SOURCES OR FROM ANY OTHER SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

MIXING WATER FOR PORTLAND CEMENT CONCRETE, CEMENT TREATED BASE COURSE, ETC. MAY BE OBTAINED FROM ANY SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

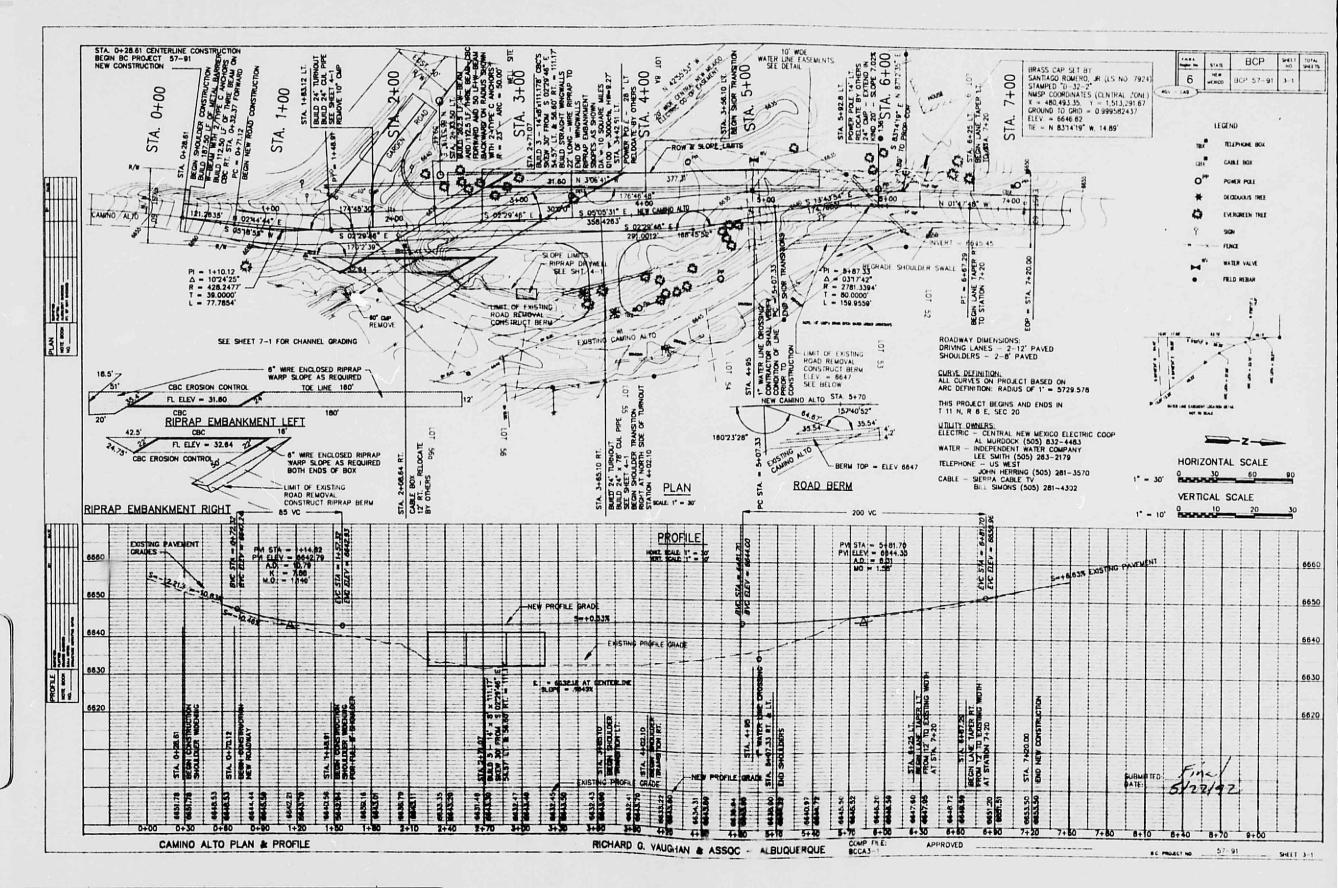
MICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

APPROVED

B.C. PROJ. 57-91

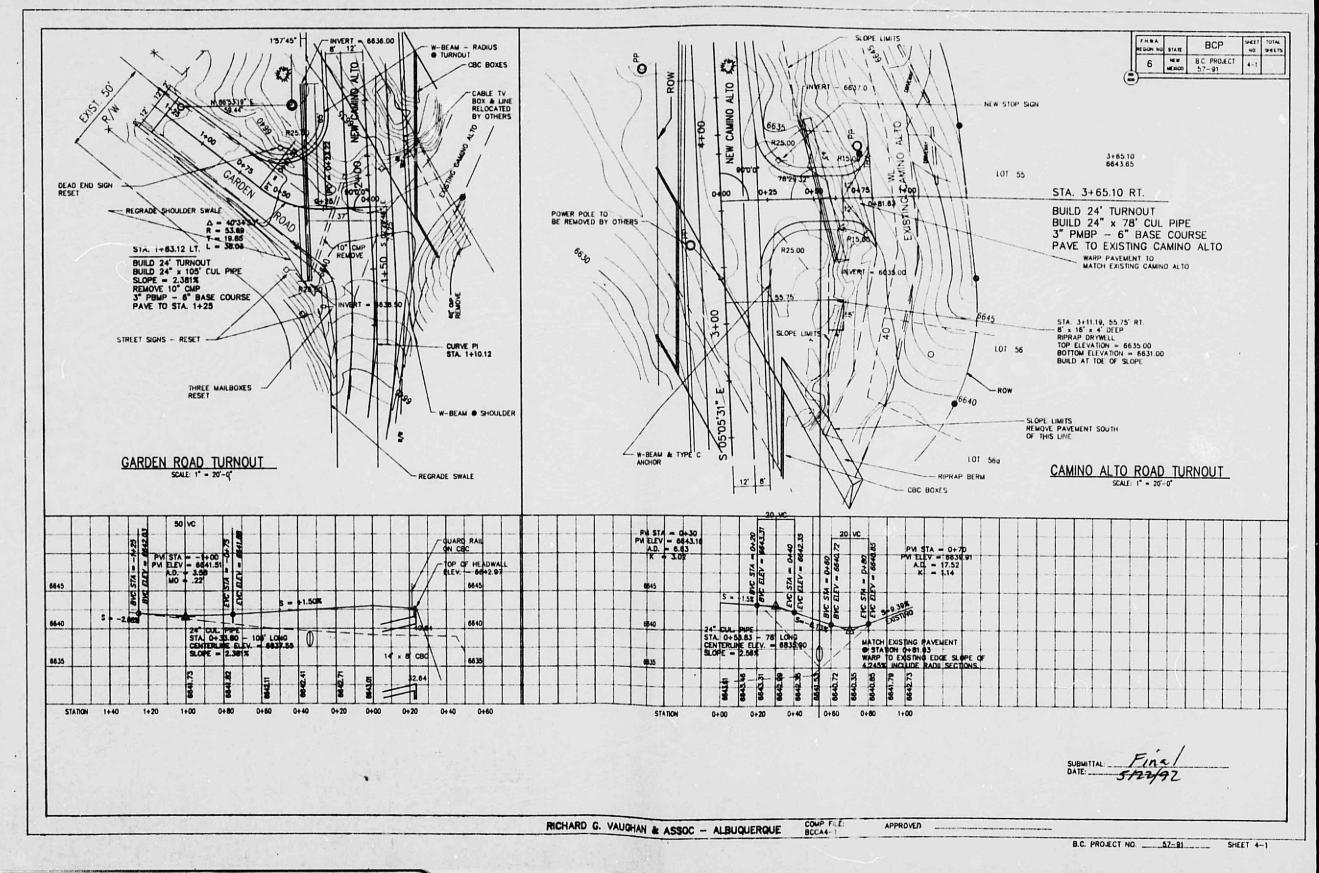
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32×10



25×1

32×Ⅱ□

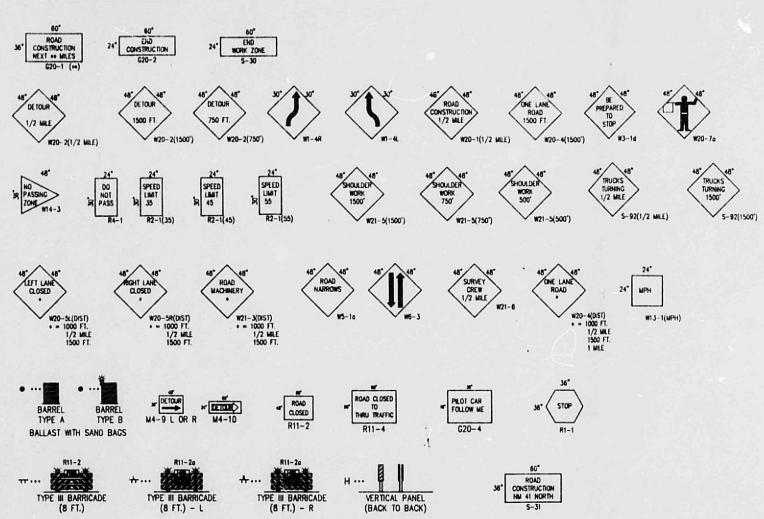


25×10

32×10

SIGN FACE DETAILS

NOT ALL SIGNS ARE UTLIZED IN THESE PLANS



SIGNS R1-1, R2-1, R4-1, W14-3, R11-2, & R11-4 ARE NOT BLACK ON ORANGE AS REQUIRED BY NOTE 3 ON SHEET 5-4.

DATE BY DESCRIPTION
REVISIONS (OR CHANGE NOTICE BERNALILLO COUNTY

PUBLIC WORKS DEPARTMENT BERNALILLO COUNTY

CAMINO ALTO BRIDGE CROSSING

CONSTRUCTION SIGNING SIGN FACE DETAILS

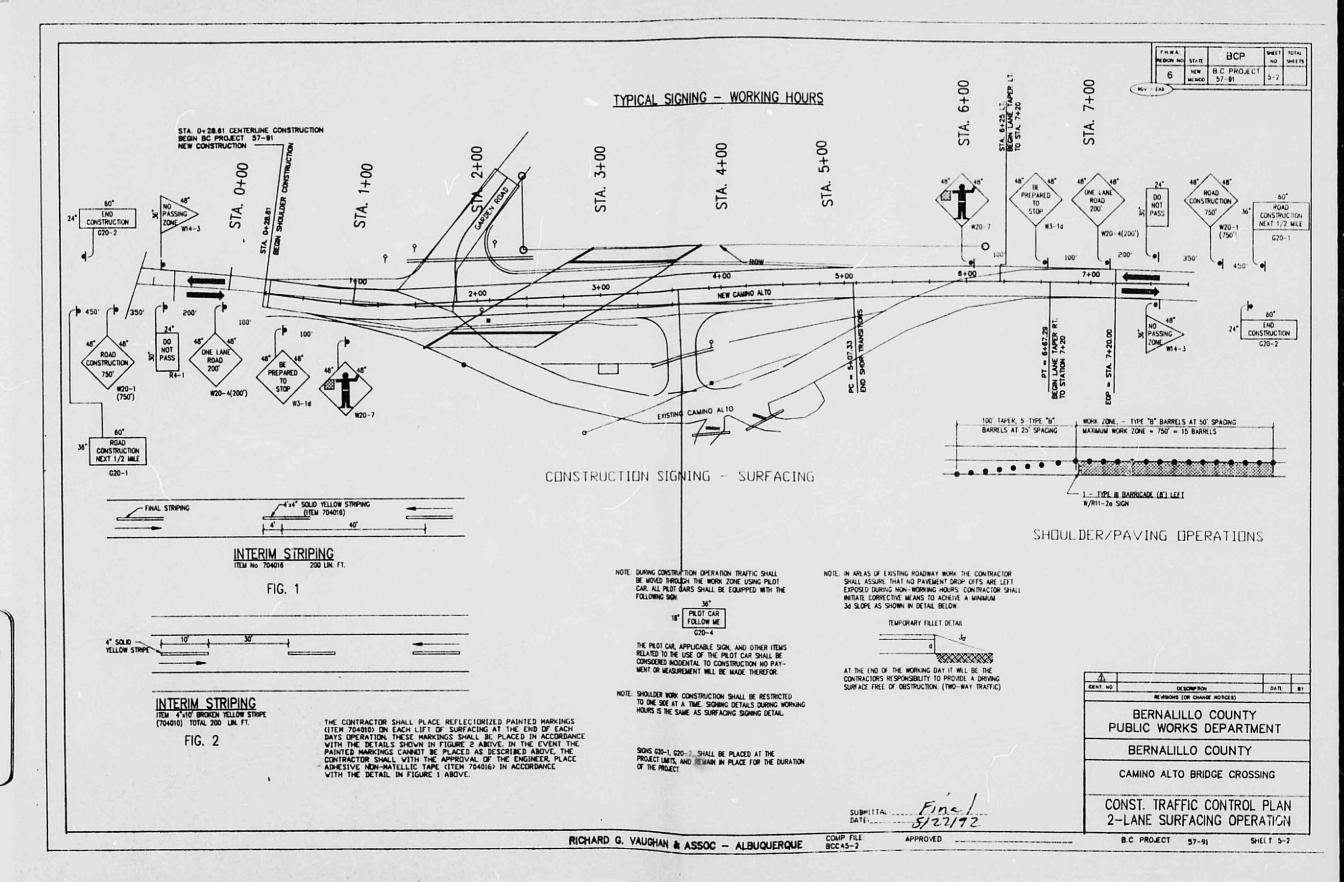
B.C. PROJECT 57-91

SHEET 5-1

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

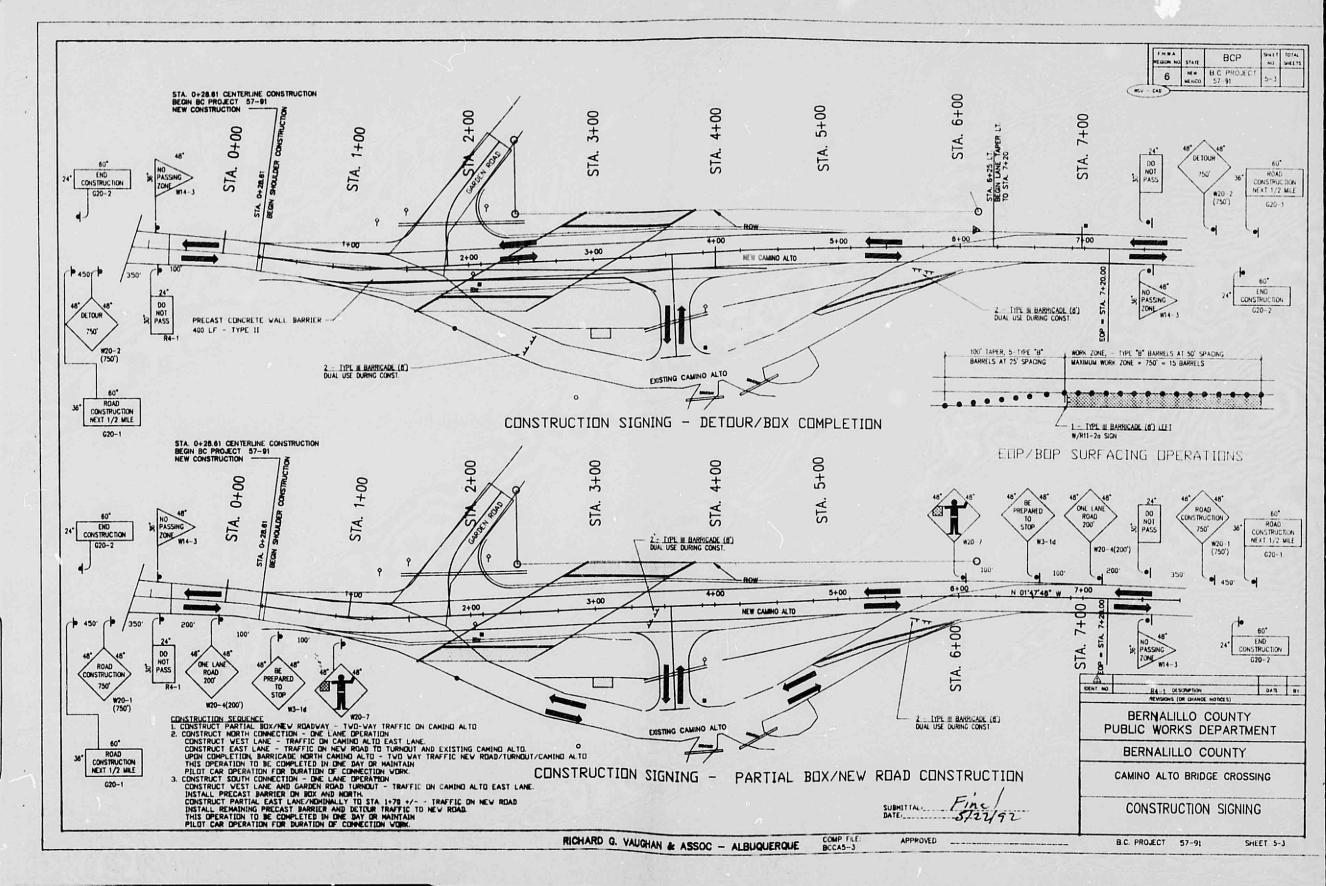
APPROVED

25× 🛘



25× 🔲

32×



25× □

32× ▮□

00'00 0000 1354

CONSTRUCTION SIGNING

| CONSTRUCTION | SICNING - comino alto | | | | | | | | MOU | NTING RE | | | PORTABLE | BASE POSTS | OSTS |
|---|---|--|--|---|--|-----------------------|--|---|---------------------------------|----------|---------------------------------|----------------|------------------------------|--------------------------------------|--|
| SURFACING 1-SETUP | TYPE | AREA | NO | AREA | LETT | POST LENGTH CENTER | RIGHT | TOTAL | 300/1 | 4.00/FT | 1345 2 3/16x | THICK 2 1/2 | PORTABLE SIGN SUPPORT | NO | TOTAL |
| G20-1 W20-1(750') W20-4(200) W3-1d W20-7 G20-2 R4-1 W14-3 BARRICADE BARRIS TOTALS | ROAD CONST (SOMILES) ROAD CONST (750') ONE LAME ROAD (200) OF LARE ROAD (200) OF PRE TO STOP FLAGRIAN LOW CONST DO NOT PASS NO PASSING ZONE TYPE IN B (LAM) ROAD CLOSED TYPE IN B (LAM) ROAD CLOSED TYPE IN | 15.00 16.00 16.00 16.00 16.00 10.00 5.00 6.00 | 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 | 30.00 31.00 32.00 32.00 32.00 10.00 12.00 | 9 50 9 50 9 50 9 50 9 50 9 50 9 50 | 9.50 | 9.50 9.50 9.50 9.50 9.50 9.50 | 36 00 36 00 36 00 36 00 36 00 36 00 36 00 36 00 36 00 | X X X X X X X | | X X X X X X X | | 2.00 2.00 2.00 2.00 | 4 00 4 00 4 00 2 00 4 00 | 14.00 14.00 0.00 0.00 0.00 14.00 14.00 |
| OUITONAL STRUCTURE / PHOULDER WORK PROSS TURNOUT (20 - 2(750) | S DETOUR 750' PRECAST WALL BARRIER BARRIER OCLINATOR | 16 00 400 00 10 00 | 3 00 | 32.00 | 9.50 | | 9 50 | 36.00 | x | | × | | 2.99 | 4.00 | 14.0 |
| CROSS HAUL RO | AD (IF REQUIRED) TRUCKS TURNING(1/4) STOP SIGN | 16.00 | 2.00 | 32 00 ¥ 00 41 50 | | 9.50 | | 9.50 | | | | | 4.00 | 200 | 0 00 7 00 7 00 |
| TOTALS | | 11 | | 273 00 | | | | 332 50 | 1 | 1 | | | 10.00 | | 84 0 |

| F.H.W.A. REGION NO. | STATE | BCP | SHEET | TOTAL |
|------------------------|---------------|-----------------------|-------|-------|
| 6 | NEW MEXICO | B.C. PROJECT 57-91 | 5-4 | |

SUMMARY OF QUANTITIES CONSTRUCTION

| ITCM | UNITS | TOTAL |
|----------------------------------|--|---|
| NSTRUCTION SIGNING | 56 | 2710 |
| | 1 | 416 6 |
| RTABLE SIGN SUPPORT | | 710 5 |
| RRICADE - TYPE III - A' | | 100 |
| ANNELIZATION DEVICE (BRIT TYPE A | 12 | - 20 |
| ANNEUZATION DEVICE (BRIT TYPE B | | |
| H NON-METAL MARK TARE | 10 | 150 |
| | - 1 | 200 0 |
| | - 4 | 600 0 |
| | | 10 0 |
| | ST FOR CONSTRUCTION SIGNING REABLE SIGN SUPPORT RECORD - TYPE III - 8' ANNELIZATION DEVICE (BRE) TYPE A ANNELIZATION DEVICE (BRE) TYPE B | NSTRUCTION SIGNING SF FOR CONSTRUCTION SIGNING FARICATION SIGNING FARICATION STATE FARICATION SIGNING FARICATION STATE FARICATION SIGNING FARICATION DEVICE (BRI) TYPE A H NON-ULTAL MARK FAPE LECTORIZED PAINTED MARKINGS LECTORIZED PAINTED PAINTED PAINTED MARKINGS LECTORIZED PAINTED |

ITEM NO. 704010 REFLECTORIZED PAINTED MARKINGS

| | LF WHITE | REMARKS |
|-----------|------------|--------------|
| | 400 200 | SINCLE WHITE |
| | 600 | |
| 200+2+400 | - 800 | |
| | | 200 |

NOTES

1. TRAFFIC CONTROL PLAN AND QUANTITIES MAY VARY AS FIELD CONDITIONS DIGITATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED, PLACING, RELOCATION, AND THE MAINTENANCE OF TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLAN, OR AS CARECTED BY THE PROJECT MANAGER ARE TO BE INCIDENTAL TO THE UMP. BID PRICE.

2. ALL TRAFFIC CONTROL DEMCES FOR DETOURS SHALL COMPLY WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION — SECTION 702 (1984 EDITION) AND CHAPTER W OF THE 1988 EDITION MUTCH AND CURRENT REVISIONS.

3. ALL CONSTRUCTION SIGNING SHALL BE BLACK ON REFLECTIVE OPANGE UNLESS OTHERWISE SPECIFIED ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES SHALL BE ORANGE UN WHITE REFLECTORIZED UNLESS OTHERWISE SPECIFIED.

4. BID ITEM —(STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS). THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING DITHER THE FLANGED CHANNEL, OR THE DRIVEDOMN POST. AS POR NEW MEIZCO STANDARD SERIALS, REFER TO SERIALS SN 75-1, TBAC-001-10 AND TBAC-002-11.

5. BID ITEM —(TYPE III BARRICADE —6" OR 6"). TYPE III BARRICADES ST. a.L. BE GRANGE ON WHITE REFLECTORIZED. ATTACHED TI.AE "A" FLASHING PLACONS. PLYMODO ARROW AND ROAD CLOSED SIGNS ARE TO BE INCIDENTAL TO BID PRICE, BID UNIT—PER EACH

6. BID ITEM -(TYPE I BARRICADE-2'). TYPE I BARRICADE SHALL RE ORANGE ON WHITE REFLECTORIZED. ATTACHED HIGH INTENSITY FLASHING BEACONS / TE TO BE INCIDENTAL TO BID PRICE. BID UNIT - PER EACH.

7. BID ITEM -(VERTICAL PANELS, SINC/E TYPE OF BACK TO BACK 8"X 24"). VERTICAL PANELS SHALL BE DRANGE ON WHITE REFLECTORIZED SHEETING .060 MIN 6061 T-6. PANELS TO BE MOUNTED ON DRIVEDOWN POST EITHER 3" DRIVE OR ON STANCHON, BID UNIT - PER EACH.

8. FLAGGING SHALL BE PROVIDED FOR SAFETY AND/OR AS DIRECTED BY THE PROJECT MANAGER, FLAGGERS SHALL USE STOP/SLOW PADDLES (18"X 18" MIN.) IN ACCORDANCE MITH THE MUTCO. THE FLAGGER, APPLICABLE SIGNS AND OTHER RELATED ITEMS SHALL BE CONSIDERED INCOCENTAL TO CONSTRUCTION. NO PAYMENT OR MEASUREMENT WILL BE MADE THEREFORE.

9 BIO ITEM -(CHANNELIZATION DEVICE BARREL TYPE "A" OR "B"). CHANNELIZATION DEVICE BARRELS SHALL BE ORANGE ON WHITE REFLECTIONIZED TYPE "A" REQUIRES NO BEACON. TYPE "B" SHALL BE EQUIPPED WITH BEACON AS SPECIFICED IN THE STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 702.021(g), 1984 EDITION.

10. THE PROVISIONS /S INCLUDED IN THE PLANS AND SPECIFICATIONS FOR HANDLING AND CONTROLLING TRAFFIC DURING CONSTRUCTION OF THE PROJECT MAY BE CHANGED BY THE COUNTY TRAFFIC ENGINEER IF, BECAUSE OF FIELD CONDITION AS ACTUALLY ENCOUNTERED, SUCH CHANGES ARE DESIRABLE AT THE DISCRETION OF THE PROJECT MANAGER. THESE CHANGES WILL BE MADE BY WRITTON INSTRUCTION TO THE CONTRACTOR, AND SHALL BE CONSIDERED AN AMENDMENT TO THE PLANS AND SPECIFICATIONS AS OF THE DATE OF THE CHANGE

11. THE CONTRACTOR SHALL SUBMIT ANY PROPOSED CHANGES IN THE TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC ENGINEER FOR APPROVAL.

12. NO PA:MEY' WILL BE MADE FOR ANY ADDITIONAL COST RESULTING FROM APPROVED TRAFFIC CONTROL PLAN CHANGES R C:ESTED BY THE CONTRACTOR.

13. ITEM 704010 IS INCLUDED FOR PAVEMENT STRIPING BETWEEN SURFACING LIFTS AS DIRECTED BY THE PROJECT MANAGER.

14. BID ITEM -(SAND BARREL VEHICULAR IMPACT ATTENUATOR UNIT). SAND BARREL VEHICULAR ATTENUATOR, UNLESS OTHERWISE SPECIFICED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AT COMPLETION OF THE CONSTRUCTION.

15. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PERSON ON SITE DURING WORKING HOURS AND ON CALL DURING NON WORKING HOURS TO INSPECT AND MAINTAIN PROJECT TRAFFIC CONTROL, OR AS DIRECTED BY THE PROJECT MANAGER.

16. ALL NON-APPLICABLE SIGNING SHALL BE REMOVED OR COVERED COMPLETELY WITH AN OPAQUE NON-LIGHT TRANSMITTING MATERIAL. ALL REMAINING, NON-APPLICABLE TRAFFIC CONTROL DEVICES ARE TO BE REMOVED AND STORED AT LOCATIONS DESIGNATED BY THE PROJECT MANAGER.

17. BID ITEM -(PRECAST CONCRETE WALL BARRIER). PRECAST CONCRETE WALL BARRIER WHEN USED FOR TRAFFIC CONTROL PURPOSES, SHALL BECOME THE PROPERTY OF THE COUNTY OF BERNALLILO AT COMPLETION OF THE PROJECT. PRECAST CONCRETE WALL BARRIER SHALL NOT REVERT TO THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.

PRECAST CONCRETE WALL BARRIER SHALL BE FABRICATED IN EITHER 10' OR 12.5' UNITS TO THE DIMENSIONS SHOWN ON PLANS ALL PRECAST CONCRETE WALL BARRIER UTILIZED IN THE WORK SHALL BE OF THE SAME LENGTH AND DESIGN. INTERMIXING WILL NOT BE ALLOWED, WORK SHALL BE DONE IN JACARDANCE WITH APPLICABLE PROVISIONS OF SECTION 503-PORTLAND CEMENT CONCRETE AND SECTION 504-022(c)-STELL REINFORCLMENT.

WHEN NEW PRECAST CONCRETE WALL BARRIER IS CALLED FOR ON THE PLAN, THE WALL BARRIER SHALL BE DELIVERED.

TO THE DESIGNATED AREA AND SITE AT COMPLETION OF WORK. THE CONTRACTOR IS TO UNLOAD AND STOCKPIEF PRECAST CONCRETE WALL BARRIER AS DIRECTED BY THE PROJECT MANAGER. HAULING AND STOCKPIING OF NEW PRECAST CONCRETE WALL BARRIER TO DESIGNATED AREA AND SITE SHALL BE HOLDOFITAL TO THE ITEM FOR PERCAST CONCRETE WALL BARRIER. THE DESIGNATED AREA IS THE ?????? YARD, HAUL DURING NORMAL WORKING HOURS.

18. CONTRACTOR SHALL MAINTAIN ONE GAP BETWEEN WORST ZONES.

SUBMITTAL Fine DATE: 5/22/92

DESCRIPTION DATE BY
REMSIONS (ON CHANCE NOTICES)

BERNALILLO COUNTY
PUBLIC WORKS DEPARTMENT

BERNALILLO COUNTY

CAMINO ALTO BRIDGE CROSSING

TRAFFIC CONTROL DEVICES-CONST. SIGNING

SUMMARY OF QUANTITIES

B.C. PROJECT 5

7-91 SHEET 5-4

RICHARD G. VAUGHAN & ASSOC - ALBUQUERQUE

COMP FI

APPROVED

25×11

32×11

