LA CHOLLA BOULEVARD
MAGEE RD.-LAMBERT LN.
PROJECT NUMBER: 4RTLTM

GENERAL DESCRIPTION OF PROJECT
IMPROVEMENTS TO 0.3 MILES OF LA CHOLLA BOULEVARD FROM MAGEE RD. TO LAMBERT LN.
INCLUDING A FOUR LANE ROADWAY WITH MEDIANS, CURBS, SIDEWALKS, MULTI-USE PATH, AND DRAINAGE FACILITIES.
A NEW BRIDGE WILL BE CONSTRUCTED AT THE CANADA DEL ORO WASH TO IMPROVE EXISTING CONDITIONS.

STAGE II (30%)
INITIAL CONSTRUCTION PLANS
### SHEET INDEX

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<td>128-130</td>
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<td>NOISE WALL PLAN &amp; PROFILES</td>
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### DESIGN DATA

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<td>LA CHOLLA BLVD.</td>
<td>9900 TO 15600</td>
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<td>23900 TO 25000</td>
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### LENGTH OF PROJECT

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<td>LA CHOLLA BLVD.</td>
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### EARTHWORK QUANTITIES

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<th>ITEM</th>
<th>EARTHWORK QUANTITIES</th>
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<tr>
<td>20330300</td>
<td>ROADWAY EXCAVATION</td>
<td>70,229 C.F.</td>
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<td>DRAINAGE EXCAVATION</td>
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<td>ROADWAY EMBANKMENT</td>
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<td>20330700</td>
<td>GROUND COMPACT</td>
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<td>20330800</td>
<td>BORROW</td>
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### FACTORS

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<td>20309400</td>
<td>SHRINK +10%</td>
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### ABBREVIATIONS

| A.B. | Aggregate Base |
| A.C. | Asphalt Concrete |
| ACP | Aluminum Cap Pipe |
| B.C.R. | Begin Curb Return |
| BCSW | Brass Cap Survey Marker |
| Bldg | Boulevard |
| B.c. | Centerline |
| Conc. | Concrete |
| Const | Construction |
| Cor | Corner |
| Corr | Correction |
| CSM | Corrugated Metal Pipe |
| DE | Drainage Easement |
| DI | Detail |
| Dr. | Drive |
| E. | East |
| E.C.R. | End Curb Return |
| Elev | Elevation |
| EOP | Edge of Pavement |
| Est. | Existing |
| Ex. | Existing |
| Fd. | Found |
| Fnd. | Found |
| Gnd. | Ground |
| Grd. | Ground |
| L. | Left |
| N. | North |
| NE | Northeast |
| NO. | Number |
| NTS | Not to Scale |
| NW | Northwest |
| P.C. | Point of Curvature |
| P.C.C. | Point of Compound Curve |
| P.G.L. | Profile Grade Line |
| P.I. | Point of Intersection |
| P.O.B. | Point of Beginning |
| P.O.E. | Point of Ending |
| P.R.C. | Point of Reverse Curve |
| P.T. | Point of Tangency |
| P.V.C. | Point of Vertical Curvature |
| P.V.C. | Point of Vertical Intersection |
| P.V.R. | Point of Vertical Reverse Curve |
| P.V.T. | Point of Vertical Tangency |
| R. | Radius |
| RCBC | Reinforced Concrete Box Culvert |
| RCP | Reinforced Concrete Pipe |
| RLS | Registered Land Surveyor |
| RN | Rigid |
| H/W | Alignment of Way |
| S | South |
| SD | Storm Drain |
| S.D. | Stopping Sight Distance |
| SE | Southeast |
| Sac | Section |
| Shbr | Shoulder |
| Sh. | Station |
| SHL | Standard |
| SW | Southwest |
| TCE | Temporary Construction Easement |
| Typ. | Typical |
| UTL | Utility |
| VC | Vertical Curve |
| W. | West |
| WSE | Water Surface Elevation |
1. Construction shall conform to the Pima County/City of Tucson Standard Specifications and details for public improvements, 2003 edition except as modified by the special provisions. In addition, the contractor shall conform to the May 2007 ADOT construction drawing (D-series) and the June 1992 ADOT standard drawing (E-series) plus current revisions to other series.

2. Utilities locations shown on plans were compiled based on the best information available to the department. Utility locations are not intended to be exact or complete. Prior to commencing construction, the contractor shall verify the locations of all utilities with the appropriate organizations. Contact "Blue Stake" at 1-800-762-3348 two full working days prior to beginning construction (Saturdays and Sundays are not considered working days).

3. Construction zone traffic control shall conform to the requirements of the "Manual on Uniform Traffic Control Devices" 2003 edition, the project plans and the special provisions. Most elements of the project work will be performed in a lane stay on the project plans, bid schedule and special provisions for specific information.

4. Right-of-way encroachments shall be removed only by order of Pima County, unless otherwise noted.

5. Removal of all native and natural plant species shall be in accordance with the Pima County environmentally sensitive roadway design guidelines and Regional Flood Control District Pima Ordinance.

6. Contractor shall comply with all applicable occupational safety and health administration regulations, in particular, sheltering of trenches and excavations.

7. Contractor shall adjust all water meters, valve boxes, storm drain manholes, and sewer manholes and clean outs to finish grade. This work shall be considered incidental to the other items of work except when the bidding schedule contains specific items on a unit base.

8. Contractor shall obtain all permits required by all governmental agencies, contractor and Pima County to obtain separate permits with separate fees and separate fees for work beyond the scope of the project limits, plans or specifications shall be obtained to permit to proceed with any work.

9. Design speed: 50 MPH, LA Cholla

10. Design vehicle is WB-50 for the project with the exception of the embankment and other construction activities.

11. The basis of bearings S89'39"W as measured between Pima County DOT-City of Tucson control points.


13. Elevation being 2388.10 NAVD88

14. Soils information shall be made available to prospective bidders in the project special provisions. Soils information may be made available separate from the special provisions, but not prior to the time of bidding. Soils information provided shall be for information purposes only and is not to be considered a part of the contract documents. This information was developed as accurately as possible by the methods used. Pima County accepts no responsibility for any conditions encountered which vary from the information provided.

15. It is the contractor's responsibility to adjust all sanitary sewer manhole structures to finished grade. All pipes and cover adjustments are to be in accordance with Pima County/City of Tucson standard details for public improvements WMS04, WMS05, WMS06, WMS07 and WMS08 (as applicable) and WMS09.

16. The pavement structural sections are from the pavement design summary report dated Dec. 17, 2009. The report assumes the subgrade material will have a minimum R-value of 35. All borrow materials shall have a minimum R-value of 35.

17. The contractor's attention is called to the limited area available on the site for excavation, embankment and other construction activities.

18. Existing conditions shown on plan sheets reflect conditions as of May, 2009.

19. The contractor shall maintain access to all driveways, alleys, and sidewalks during construction. The contractor will not restrict emergency vehicles, U.S. Postal Delivery, solid waste collections, and/or access to the adjacent properties, except as approved by the Engineer.

20. It shall be the contractor's responsibility to furnish, haul, and apply all water required for compaction, and for the control of dust from construction activity. The cost for this work is to be included in the construction price.

21. The contractor shall be responsible for the care, maintenance, repair or replacement of existing improvements in the work area which have been removed or damaged during the course of construction, all repairs, replacement, or cleanup shall be done to the satisfaction of the owner.

22. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the engineer and resolved before proceeding with the work.

23. Any revisions made to these plans must be approved by Pima County Department of Transportation Field Engineering Department, 762-2601 prior to construction.

24. A copy of these plans shall be kept in an easily accessible location on the site at all times during construction.

25. Any excess excavated material shall become the property of the contractor, and shall be removed from project site by the contractor.

26. All standing water on the plans and profiles is along the construction centerline unless otherwise noted.

27. All survey monuments shall be established by a Land Surveyor registered in the State of Arizona, and a record of survey will be provided.

28. Divisions shall not be scaled from drawings.

29. The discovery of human remains during construction shall be handled in accordance to state laws.

30. Flow management plans shall be submitted to Pima County Department of Public Health prior to construction.

31. SWPPP measures shall be installed so as to prevent all storm water, construction water, fluids, chemicals, or liquids to be directed into or onto any sanitary sewer facilities. Protection of sanitary sewer facilities shall be part of the approved construction SWPPP and best management practices. These facilities shall be installed and maintained around all potentially affected sanitary sewer facilities. The proposed limits, additional measures shall include, but not limited to the use of rain stoppers and water proof manhole covers as deemed necessary by the Pima County Regional Wastewater Reclamation Department.

32. Any manhole construction or reconstruction shall conform to WMS 304, 305, 306 & 307.
Notes:
1. See sheet TS07 for wall and slope protection locations.
3. Slope Varies, See Slope Table Sheet TS09.

**R/W** 4'11" Varies: 2' to 0' From Sta. 282+00.00 to Sta. 306+50.16
0' to 15' From Sta. 332+69.62 to Sta. 338+61.16
15' From Sta. 330+61.61 to Sta. 352+15.60

**Total Thickness 11"**
PAVEMENT STRUCTURAL
SECTION NO. 1 (INTS)
La Cholla Blvd.

**Total Thickness 6.5"**
PAVEMENT STRUCTURAL
SECTION NO. 2 (INTS)
Frontage Rd., Access Rd.

**Total Thickness 6"**
PAVEMENT STRUCTURAL
SECTION NO. 3 (INTS)
Multi-Use Pathways, Driveways

**NORTHBOUND**
LA CHOLLA BOULEVARD
TYPICAL SECTION

**SOUTHBOUND**

Project R/W Limits (Left of R/W): 4'11"
- New R/W, 100'- Sta. 312+00.41 to Sta. 314+98.36
- New R/W, 100'- Sta. 318+44.49 to Sta. 321+06.19
- New R/W, 100'- Sta. 323+95.55 to Sta. 330+67.90
- New R/W, 100'- Sta. 344+02.36 to Sta. 358+35.83
- New R/W, 80'- Sta. 360+05.84 to Sta. 385+53.11
- New R/W, 75'- Sta. 386+77.51 to Sta. 394+24.32
- New R/W, 75'- Sta. 398+96.73 to Sta. 437+55.12

Sta. 431+20.31 to Sta. 434+35.19
Sta. 414+25.75 to Sta. 424+26.83
Sta. 410+10.36 to Sta. 410+84.75
Sta. 405+73.51 to Sta. 406+31.45
Sta. 400+38.95 to Sta. 402+15.71
Sta. 395+84.95 to Sta. 396+74.74
Sta. 377+05.30 to Sta. 388+69.57
Sta. 363+04.08 to Sta. 369+99.71
Sta. 318+31.29 to Sta. 321+55.69
Sta. 306+38.34 to Sta. 311+33.58
Sta. 306+38.34 to Sta. 311+33.58
Sta. 318+31.29 to Sta. 321+55.69
Sta. 306+38.34 to Sta. 311+33.58
Sta. 318+31.29 to Sta. 321+55.69

Project R/W Limits (Right of R/W): 4'11"
- New R/W, 50'- Sta. 306+50.32 to Sta. 312+00.41
- New R/W, 50'- Sta. 338+61.16 to Sta. 344+02.36
- New R/W, 50'- Sta. 358+35.83 to Sta. 360+05.84
- New R/W, 50'- Sta. 385+53.11 to Sta. 398+96.73
- New R/W, 50'- Sta. 394+24.32 to Sta. 437+55.12

Sta. 352+13.61 to Sta. 358+00.00
Varies: 15' to 0' From Sta. 338+61.16 to Sta. 352+13.60
Varies: 0' to 15' From Sta. 282+00.00 to Sta. 306+50.16
Varies: 2.31' to 0' From Sta. 282+00.00 to Sta. 306+50.16

Mix No. 1
3" A.C.
2" ARAC
4" A.B.
1-800-STAKE-IT
Notes:
1. See sheet TS07 for wall and slope protection locations.
2. roadway cross slope varies, see plan & profiles for superelevation diagram.
3. slope varies, see slope table sheet T5.

Sta. 311+37.68 to Sta. 314+50.33
Sta. 359+76.61 to Sta. 363+21.65
Sta. 388+69.57 to Sta. 391+86.32
Sta. 433+97.75 to Sta. 438+15.94
Sta. 438+90.98 to Sta. 442+21.65

Scale 4"=1'-0"  1/12"=1'-0"
Sheet 7 of 709  Page 7 of 130

LA CHOLLA BOULEVARD
TYPICAL SECTION

Conc. Vertical Curb Type 1
PC/COT Std. Dtl. 209

LA CHOLLA BOULEVARD
TYPICAL SECTION

Conc. Vertical Curb Type 1
PC/COT Std. Dtl. 209
Notes:
1. See sheet TS07 for wall and slope protection locations.


*** Slope Varies, See Slope Table Sheet TS.
Notes:
1. See sheet TS07 for wall and slope protection locations.
*** Slope Vertes, See Slope Table Sheet TS _
BEGIN PROJECT 4RTLTM
MATCH PROJECT 4RTMLI
Sta 282+00.00

BEGIN CONSTRUCTION
Sta, 280+13.46 La Cholla Blvd. Const. = Sta. 10+00.00 Magee Access Rd. Const.

For Horizontal Control Geometric Data, see 'Horizontal Control' Sheets.

PROFILE GRADE AND AXIS OF ROTATION: 12'Lt, 12'Rt of La Cholla Cst

Profile Grade, 12' Lt & 12' Rt @ La Cholla Blvd. Const

EXIST. Util. Esmt.

EXIST. 1' No Access Esmt.

EXIST. Util. Esmt.

EXIST. R/W

BEGIN PROJECT 4RTLTM
MATCH PROJECT 4RTMLI
Sta 282+00.00
PROFILE GRADE AND AXIS OF ROTATION: 12' LT, 12' RT of La Cholla CI.

PROFILE GRADE:
- 12% Lt
- 12% Rt

LA CHOLLA BLVD.

NEW 8'' SD
- 350' VC (12' Lt PGL)
- 175' VC (12' Rt PGL)

EXIST. R/W
- 10' 321 + 60 (12' Lt PGL)
- 10' 322 + 60 (12' Rt PGL)

NEW 18'' SD
- 350' VC (12' Lt PGL)
- 175' VC (12' Rt PGL)

EXIST. UTIL. ESTM.
- TCE
- DP

NEW 24'' RCP
- DE

SCALE: 1" = 20'
42" BARRIER WITH MULTI-USE PATH

Notes: This Detail Will Be Paid For Under Item XXXXXXX.

42" BARRIER WITH SIDEWALK

Notes: This Detail Will Be Paid For Under Item XXXXXXX.

42" BARRIER WITH SIDEWALK AT MSE WALL

Notes: This Detail Will Be Paid For Under Item XXXXXXX.
LA CHOLLA BLVD.

**CURVE DATA TABLE**

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<th>Delta</th>
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<td>02°23'30&quot;</td>
<td>340.35'</td>
<td>170.20'</td>
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<tr>
<td>3</td>
<td>50.00'</td>
<td>03°06'08&quot;</td>
<td>51.84'</td>
<td>33.00'</td>
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<td>02°32'21&quot;</td>
<td>335.54'</td>
<td>165.30'</td>
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</tbody>
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P.O.E.

Sta 10+00.00, Access Rd, Const. E:

Sta 353+60.00, 153.62' Lt, Le Cholla Const.

Tangent:
33.00'
FRONTAGE RD.

MATCH LINE STA. 411+00
SEE SHEET HC13

MATCH LINE STA. 420+00
SEE SHEET HC15

P.C.C. Sta. 413+63.93,
8.98' Lt.
P.C. Sta. 413+51.66,
10.00' Lt.
P.T. Sta. 412+15.60,
4.00' Lt.
P.C. Sta. 412+49.11,
3.00' Rt.
P.C. Sta. 411+99.76,
62.00' Lt.
B.C.R. Sta. 411+74.84,
39.00' Lt.
B.C.R. Sta. 411+50.73,
39.00' Lt.

LA CHOLLA BLVD.

FRONTAGE RD.

NO*35'23"W

Frontage Rd. Const. E
NO*35'23"W

E.C.R. Sta. 414+25.80,
65.92' Lt.
E.C.R. Sta. 414+50.73,
39.00' Lt.

Owl Head Pl.

P.C. Sta. 413+63.93,
5.03' Lt.
P.C. Sta. 413+51.66,
3.00' Lt.
P.C.C. Sta. 413+26.18,
10.00' Rt.
P.T. Sta. 414+63.46,
10.00' Rt.
P.C. Sta. 414+27.67,
10.00' Lt.
P.C.C. Sta. 414+26.18,
6.68' Lt.

La Cholla Blvd. Const. E

Notes:

1. Stations & Offsets are to Face of Road.
Notes:
See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Div. 4-12 for Pavement Marking Symbol Design.

Notes:
See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Div. 4-12 for Pavement Marking Symbol Design.

Notes:
See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Div. 4-12 for Pavement Marking Symbol Design.

Notes:
See PCDOT and TDOT Traffic Engineering Division Pavement Marking Standards 2-8.5-14.5-15 for Stop Bar/Crosswalk Details. Also, see Div. 4-12 for Pavement Marking Symbol Design.
Call Two Working Days Before You Dig
Arizona Blue Stake
40'
1-800-782-5348

La Cholla Blvd. Const. E

New R/W
Exist. R/W

WS8-C20
WS-C20
WS6
WS8

LA CHOLLA BLVD.
This Landscape Plan is in conformance with the Pima County Roadway Design Manual and Environmentally Sensitive Roadways (ESR) Design Guidelines.

It is the intent of the ESR Guidelines that proposed planting will maintain appropriate densities and species of existing pre-construction vegetation. All proposed plant species have been selected from the Pima County ESR Approved Plant Species List. The Final Planting Plan will reflect a variety of densities and species reflective of adjacent existing vegetative communities.

Water harvesting basins (8" max. depth) in medians and other areas within the ROW will be incorporated into the Landscape Plans where appropriate and feasible. Water harvesting will supplement proposed drip irrigation.

All plant sizes are in conformance with the minimum requirements as shown in the Pima County Approved Plant Species For Environmentally Sensitive Roadways.

Trees to be planted a minimum of 8 feet from sidewalks (small/upright trees may be placed a minimum of 4-6' from the edge of sidewalks) and 6 feet from face of curb. Shrubs and accents to be planted a minimum of 4 feet from sidewalks and face of curb.

Trees and shrubs shall be located to avoid conflicts with overhead and underground utilities. Tree trunks shall be 30' from excavations, and all parts of trees shall be 60' from excavations.

Trees and shrubs shall be located at least 20' from natural and artificial watercourses, including seepage areas, and 50' from the edge of cultivated land.

The final Planting Plan will reflect a variety of densities and species reflective of adjacent existing vegetative communities.

All plant sizes are in conformance with the minimum requirements as shown in the Pima County Approved Plant Species For Environmentally Sensitive Roadways.

Trees to be planted a minimum of 8 feet from sidewalks (small/upright trees may be placed a minimum of 4-6' from the edge of sidewalks) and 6 feet from face of curb. Shrubs and accents to be planted a minimum of 4 feet from sidewalks and face of curb.

Trees and shrubs shall be located to avoid conflicts with overhead and underground utilities. Tree trunks shall be 30' from excavations, and all parts of trees shall be 60' from excavations.
Two New 51' x-Span Precast Prestressed
AASHTO Type IV Girder Bridges
Skew = 51°00'00" Left
Contour Interval = 1'-0"

**TYPICAL SECTION**
Scale: 1/8" = 1'-0"

**PROFILE GRADE**
Scale: 1" = 30'

**INDEX OF SHEETS**
S1 GENERAL PLAN
S2 LOCATION PLAN - 1
S3 LOCATION PLAN - 2
S4 GENERAL NOTES & QUANTITIES

**GENERAL NOTES & QUANTITIES**
LOCATION PLAN - 1
LOCATION PLAN - 2
GENERAL PLAN

Begin NB Bridge
Elev 2378.78
STA 345+88.42
End NB Bridge
Elev 2378.78
STA 345+58.78

Begin SB Bridge
Elev 2378.45
STA 339+81.22
End SB Bridge
Elev 2379.23
STA 345+58.78

700 Ft Vertical Curve
CONSTRUCTION SPECIFICATION


DESIGN SPECIFICATIONS


BRIDGE LOADINGS

Dead Load - Dead load includes allowance of 25 psf for a maximum 2-inch overlay.
Loading Class - HL-93
Composite Design - Dead load carried by girders only.
Seismic Performance Category "A" IACc = 0.035 g.

CONCRETE

All concrete shall be Class "S" unless noted otherwise. Construction joints shall be permitted only at indicated locations. Sandblast all construction joints prior to placement of adjacent concrete.

REINFORCING

Reinforcing steel shall conform to ASTM Specification A615.
All reinforcing shall be furnished as Grade 60.
All bends and hooks shall meet the requirements of AASHTO Article 8.23.
All reinforcing for reinforcing shall be out-of-out of bars.
All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.
All reinforcing steel shall have 2 inches clear cover unless noted otherwise.

STRESSES

Deck Slab & Damper (Class XI) f'c = 4000 psi
Abutments, Pier transitions f'c = 4000 psi
Bridge barriers & barrier transitions f'c = 4000 psi
Bridge sidewalks, f'c = 4000 psi
Drilled shafts f'c = 4000 psi
All other Class S Concrete f'c = 4000 psi
Other Grade 60 transverse deck reinf. f'c = 2000 psi
All other Grade 60 transverse deck reinf. f'c = 24000 psi
Prestressing steel (1/2" Dia 7-wire low relaxation strand)

FOUNDATIONS

Foundations shall be constructed in accordance with the construction specifications and project specific provisions. Foundations were designed in accordance with the final geotechnical report by NCS Consultants dated xxxxx. Pima County accepts no responsibility for any conditions encountered which vary from information provided.

WIRING

Bridge barriers shall be constructed after spans have taken dead load deflection. Bridge barriers shall not be slip formed.
Chamber all exposed corners 1/2" per detail on this sheet unless noted otherwise.
Dimensions shall not be scaled from drawings.
Deck Stay-In-Place formwork shall not be used.

ADD. STANDARD DRAWINGS

Structures Section Standards, 1992 Edition 8-19.10
Bridge Group SD Drawings: SD 1.01, SD 1.02, SD 1.03, SD 1.04
SD 2.01, SD 3.02


DESIGN SPECIFICATIONS


BRIDGE LOADINGS

Dead Load - Dead load includes allowance of 25 psf for a maximum 2-inch overlay.
Loading Class - HL-93
Composite Design - Dead load carried by girders only.
Seismic Performance Category "A" IACc = 0.035 g.

CONCRETE

All concrete shall be Class "S" unless noted otherwise. Construction joints shall be permitted only at indicated locations. Sandblast all construction joints prior to placement of adjacent concrete.

REINFORCING

Reinforcing steel shall conform to ASTM Specification A615.
All reinforcing shall be furnished as Grade 60.
All bends and hooks shall meet the requirements of AASHTO Article 8.23.
All reinforcing for reinforcing steel shall be out-of-out of bars.
All placement dimensions for reinforcing steel shall be to center of bars unless noted otherwise.
All reinforcing steel shall have 2 inches clear cover unless noted otherwise.

STRESSES

Deck Slab & Damper (Class XI) f'c = 4000 psi
Abutments, Pier transitions f'c = 4000 psi
Bridge barriers & barrier transitions f'c = 4000 psi
Bridge sidewalks, f'c = 4000 psi
Drilled shafts f'c = 4000 psi
All other Class S Concrete f'c = 4000 psi
Other Grade 60 transverse deck reinf. f'c = 2000 psi
All other Grade 60 transverse deck reinf. f'c = 24000 psi
Prestressing steel (1/2" Dia 7-wire low relaxation strand)

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ADD. STANDARD DRAWINGS

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Bridge Group SD Drawings: SD 1.01, SD 1.02, SD 1.03, SD 1.04
SD 2.01, SD 3.02
Notes:

1. Soil Nail Wall Assumed
2. See Detail RD_ (sheets RD_ through RD_) for specifications, construction methods, and testing procedures.
3. Wall Stationing is to Face of Wall.

### Typical Section

**N.T.S.**

- **CW-01** New Cut Wall
- **FW-01** New Fill Wall
- **RW01** See Sheet RW02

**MAGEE RD. TO LAMBERT LN.**

**PROJ. NO. 4RTLT M**

**LEGEND**

- New Slope Protection
- New Drainage Channel

**Scale**

- 1" = 20'
MATCH LINE STA. 11+00
SEE SHEET NW03

Notes:

1. Masonry Wall Assumed
2. New Drainage Easement
3. Wall Stationing is to Center of Wall.
4. A Minimum of Two (2) Drainage Blocks Shall be Placed Between Control Joint Locations.

LEGEND

Temporary Construction Easement
New Drainage Easement
New Noise Wall
New Drainage Channel
New Slope Protection

Notes:

1. Masonry Wall Assumed
2. Well to be Constructed per ADOT Std. Dir. SD-8.02
3. Wall Stationing is to Center of Wall.
4. A Minimum of Two (2) Drainage Blocks Shall be Placed Between Control Joint Locations.

LEGEND

Temporary Construction Easement
New Drainage Easement
New Noise Wall
New Drainage Channel
New Slope Protection

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LEGAL