LJA ENGINEERING, INC
FRN - F-1386

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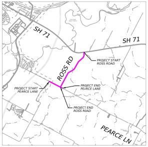

SH 71
SH 71
ROSS RD
PROJECT START ROSS ROAD
PROJECT END PEARCE LANE
PROJECT START PEARCE LANE
PROJECT END ROSS ROAD
PEARCE LN
0
50
100
SCALE IN FEET

VICINITY MAP
SCALE: NTS

PROJECT DATA

ROSS ROAD

COUNTY: TRAVIS COUNTY
PROJECT LIMITS: ROSS RD FROM SH 71 TO PEARCE LN
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
DESIGN SPEED: 35 MPH

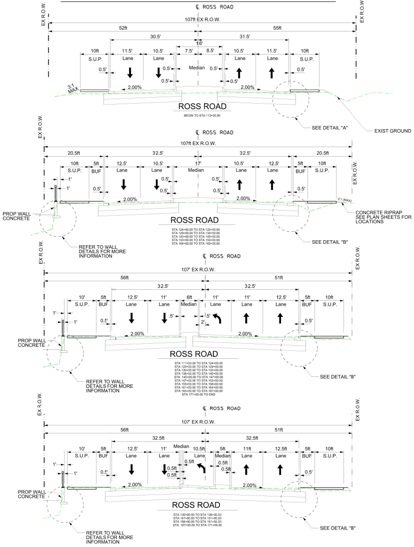
Legend

🟦	Proposed Roadway
🟩	Proposed Grass Buffer
🟥	Proposed SUP/Sidewalk
🟨	Proposed Median
🟪	Proposed Driveway
▨	Raised Crosswalk
- - -	Existing R.O.W.
- - -	Existing Culvert
═	Proposed Culvert
▭	Proposed Drainage Inlet
━	Proposed Signal Mast Arm
─	Proposed Curb Wall
▨	Proposed Bus Stop

**EXHIBIT ONLY
NOT A BIDDING
DOCUMENT**

austin
MOBILITY BONDS

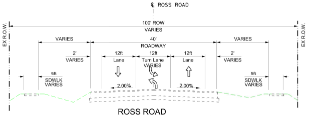
ROSS ROAD - PROPOSED TYPICAL SECTIONS


℄ ROSS ROAD
EX R.O.W.
107ft EX R.O.W.
52ft
55ft
30.5'
31.5'
16'
7.5'
8.5'
10ft S.U.P.
11.5' Lane
10.5' Lane
Median
10.5' Lane
11.5' Lane
10ft S.U.P.
0.5'
2.00%
3:1 MAX
SEE DETAIL "A"
EXIST GROUND
ROSS ROAD
BEGIN TO STA 113+00.00
℄ ROSS ROAD
107ft EX R.O.W.
20.5ft
32.5'
32.5'
20.5ft
10ft S.U.P.
5ft BUF
12.5' Lane
10.5' Lane
17' Median
10.5' Lane
12.5' Lane
5ft BUF
10ft S.U.P.
1'
0.5'
2.00%
2:1 (MAX)
PROP WALL CONCRETE
REFER TO WALL DETAILS FOR MORE INFORMATION
CONCRETE RIPRAP SEE PLAN SHEETS FOR LOCATIONS
SEE DETAIL "B"
ROSS ROAD
STA 124+00.00 TO STA 125+00.00
STA 129+00.00 TO STA 130+00.00
STA 140+00.00 TO STA 145+00.00
STA 153+00.00 TO STA 155+00.00
STA 164+00.00 TO STA 165+00.00
℄ ROSS ROAD
107' EX R.O.W.
56ft
51ft
32.5'
32.5'
10' S.U.P.
5ft BUF
12.5' Lane
11' Lane
6ft Median
11' Lane
11' Lane
12.5' Lane
5ft BUF
10ft S.U.P.
.5'
2'
2.00%
PROP WALL CONCRETE
REFER TO WALL DETAILS FOR MORE INFORMATION
SEE DETAIL "B"
ROSS ROAD
STA 111+00.00 TO STA 124+00.00
STA 125+00.00 TO STA 129+00.00
STA 130+00.00 TO STA 135+00.00
STA 138+00.00 TO STA 140+00.00
STA 145+00.00 TO STA 147+00.00
STA 147+00.00 TO STA 153+00.00
STA 155+00.00 TO STA 158+00.00
STA 161+00.00 TO STA 164+00.00
STA 165+00.00 TO STA 167+00.00
STA 171+00.00 TO END
℄ ROSS ROAD
107' EX R.O.W.
56ft
51ft
32.5ft
32.5ft
10' S.U.P.
5ft BUF
12.5' Lane
11' Lane
Median
10.5ft Lane
5ft Median
11ft Lane
12.5ft Lane
5ft BUF
10ft S.U.P.
0.5ft
2.00%
PROP WALL CONCRETE
REFER TO WALL DETAILS FOR MORE INFORMATION
SEE DETAIL "B"
ROSS ROAD
STA 135+00.00 TO STA 138+00.00
STA 147+00.00 TO STA 151+00.00
STA 158+00.00 TO STA 161+00.00
STA 167+00.00 TO STA 171+00.00

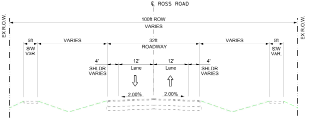
ROSS ROAD - CURVE DATA

CURVE ROSS-1	PI	109+28.03
	Δ	60°43'38.3" (RT)
	D	05°43'46.5"
	T	585.84'
	L	1059.89'
	R	1000.00'
	PC	103+42.18
	PT	114+02.08
CURVE ROSS-2	PI	120+88.48
	Δ	26°17'57.1" (LT)
	D	05°43'46.5"
	T	233.62'
	L	459.01'
	R	1000.00'
	PC	118+54.86
	PT	123+13.86
CURVE ROSS-3	PI	136+99.13
	Δ	33°29'18.3" (RT)
	D	05°43'46.5"
	T	300.86'
	L	584.48'
	R	1000.00'
	PC	133+98.27
	PT	139+82.75
CURVE ROSS-4	PI	149+22.21
	Δ	34°17'02.4" (LT)
	D	05°43'46.5"
	T	308.44'
	L	598.37'
	R	1000.00'
	PC	146+13.76
	PT	152+12.13
CURVE ROSS-5	PI	168+44.21
	Δ	00°40'34.2" (LT)
	D	00°34'22.6"
	T	59.01'
	L	118.01'
	R	10000.00'
	PC	167+85.20
	PT	169+03.22
CURVE ROSS-6	PI	169+65.95
	Δ	00°43'07.9" (RT)
	D	00°34'22.6"
	T	62.73'
	L	125.46'
	R	10000.00'
	PC	169+03.22
	PT	170+28.68

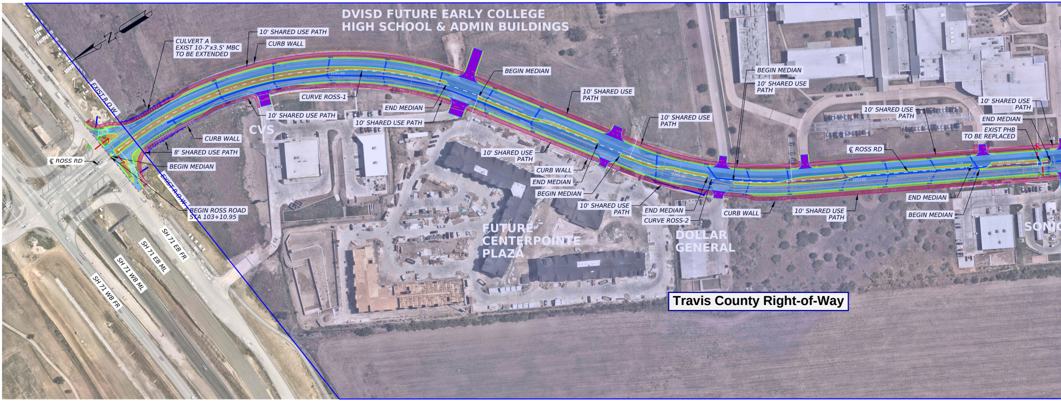
ROSS ROAD - EXISTING TYPICAL SECTIONS

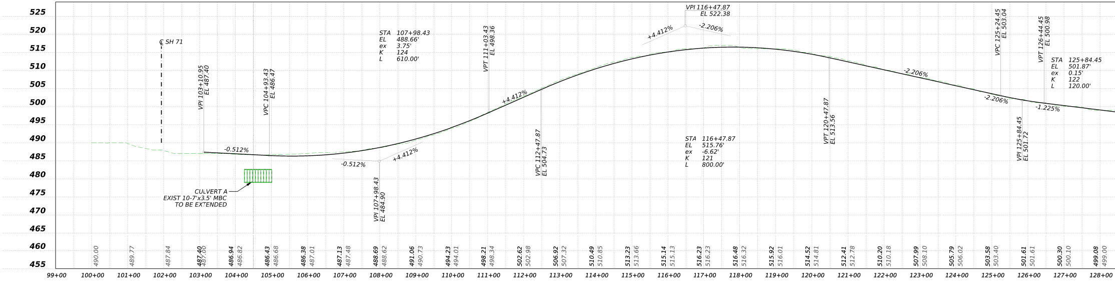

℄ ROSS ROAD
EX R.O.W.
100' ROW
VARIES
VARIES
40' ROADWAY
VARIES
2' VARIES
12ft Lane
12ft Turn Lane VARIES
12ft Lane
2' VARIES
5ft SDWLK VARIES
5ft SDWLK VARIES
2.00%
2.00%
EX R.O.W.

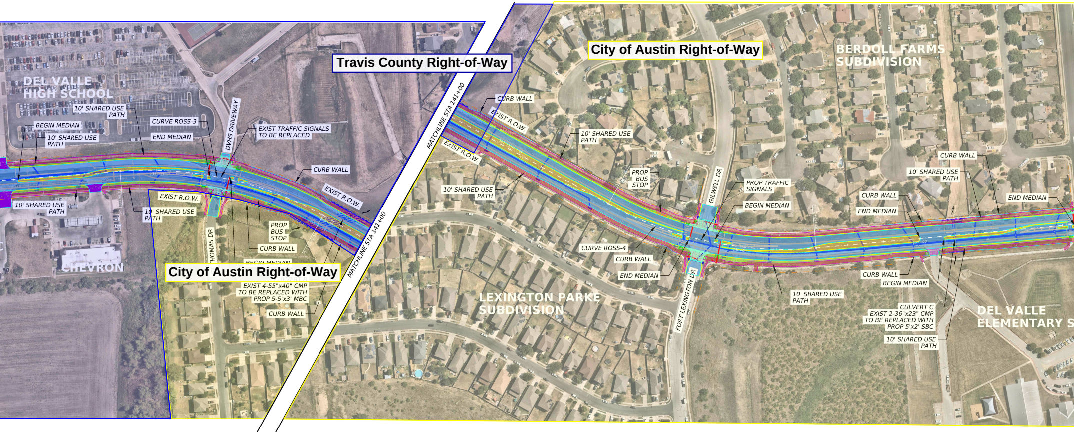
ROSS ROAD
FROM STA. 111+60 TO STA. 136+80

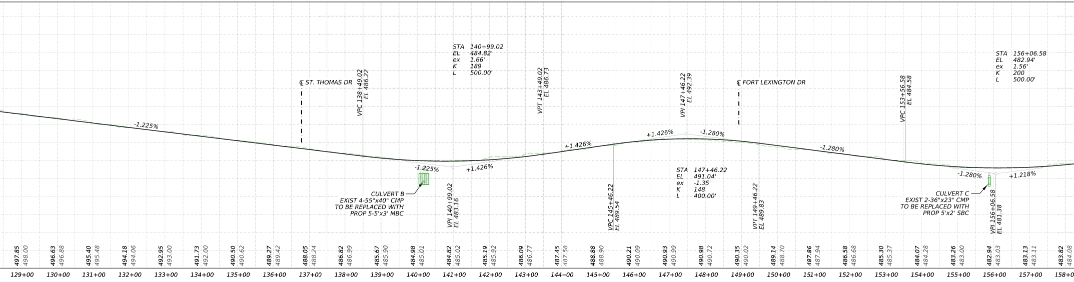

℄ ROSS ROAD
EX R.O.W.
100ft ROW
VARIES
5ft S/W VAR.
VARIES
32ft ROADWAY
VARIES
5ft S/W VAR.
4' SHLDR VARIES
12' Lane
12' Lane
4' SHLDR VARIES
2.00%
2.00%
EX R.O.W.

ROSS ROAD
FROM STA. 136+80 TO PEARCE LN.


DVISD FUTURE EARLY COLLEGE HIGH SCHOOL & ADMIN BUILDINGS
N
CULVERT A
EXIST 10-7'x3.5' MBC
TO BE EXTENDED
10' SHARED USE PATH
CURB WALL
BEGIN MEDIAN
CURVE ROSS-1
END MEDIAN
10' SHARED USE PATH
10' SHARED USE PATH
10' SHARED USE PATH
10' SHARED USE PATH
EXIST R.O.W.
CVS
CURB WALL
8' SHARED USE PATH
BEGIN MEDIAN
℄ ROSS RD
EXIST R.O.W.
BEGIN ROSS ROAD
STA 103+10.95
10' SHARED USE PATH
CURB WALL
END MEDIAN
BEGIN MEDIAN
10' SHARED USE PATH
END MEDIAN
CURVE ROSS-2
CURB WALL
10' SHARED USE PATH
BEGIN MEDIAN
10' SHARED USE PATH
10' SHARED USE PATH
10' SHARED USE PATH
END MEDIAN
EXIST PHB
TO BE REPLACED
℄ ROSS RD
END MEDIAN
BEGIN MEDIAN
SH 71 EB FR
SH 71 EB ML
SH 71 WB ML
SH 71 WB FR
FUTURE CENTERPOINTE PLAZA
DOLLAR GENERAL
SONIC
Travis County Right-of-Way




Travis County Right-of-Way
City of Austin Right-of-Way
City of Austin Right-of-Way
DEL VALLE HIGH SCHOOL
CHEVRON
BERDOLL FARMS SUBDIVISION
LEXINGTON PARKE SUBDIVISION
DEL VALLE ELEMENTARY S
DVHS DRIVEWAY
THOMAS DR
GILWELL DR
FORT LEXINGTON DR
MATCHLINE STA 141+00
MATCHLINE STA 141+00
10' SHARED USE PATH
BEGIN MEDIAN
10' SHARED USE PATH
CURVE ROSS-3
END MEDIAN
EXIST TRAFFIC SIGNALS TO BE REPLACED
CURB WALL
EXIST R.O.W.
EXIST R.O.W.
10' SHARED USE PATH
10' SHARED USE PATH
PROP BUS STOP
CURB WALL
BEGIN MEDIAN
EXIST 4-55"x40" CMP TO BE REPLACED WITH PROP 5-5'x3' MBC
CURB WALL
CURB WALL
EXIST R.O.W.
EXIST R.O.W.
10' SHARED USE PATH
10' SHARED USE PATH
PROP BUS STOP
PROP TRAFFIC SIGNALS
BEGIN MEDIAN
CURVE ROSS-4
CURB WALL
END MEDIAN
10' SHARED USE PATH
CURB WALL
10' SHARED USE PATH
CURB WALL
END MEDIAN
END MEDIAN
CURB WALL
BEGIN MEDIAN
CULVERT C EXIST 2-36"x23" CMP TO BE REPLACED WITH PROP 5'x2' SBC
10' SHARED USE PATH


STA 140+99.02
EL 484.82'
ex 1.66'
K 189
L 500.00'
STA 156+06.58
EL 482.94'
ex 1.56'
K 200
L 500.00'
℄ ST. THOMAS DR
VPC 138+49.02 EL 486.22
VPT 143+49.02 EL 486.73
VPI 147+46.22 EL 492.39
℄ FORT LEXINGTON DR
VPC 153+56.58 EL 484.58
-1.225%
+1.426%
-1.280%
-1.280%
-1.225%
+1.426%
+1.426%
-1.280%
+1.218%
STA 147+46.22
EL 491.04'
ex -1.35'
K 148
L 400.00'
CULVERT B
EXIST 4-55"x40" CMP TO BE REPLACED WITH PROP 5-5'x3' MBC
VPI 140+99.02 EL 483.16
VPC 145+46.22 EL 489.54
VPT 149+46.22 EL 489.83
CULVERT C
EXIST 2-36"x23" CMP TO BE REPLACED WITH PROP 5'x2' SBC
VPI 156+06.58 EL 481.38
497.85 498.00
496.63 496.88
495.40 495.48
494.18 494.06
492.95 493.00
491.73 492.00
490.50 490.62
489.27 489.42
488.05 488.24
486.82 486.99
485.67 485.90
484.98 485.01
484.82 485.02
485.19 485.92
486.09 486.77
487.45 487.58
488.88 488.90
490.21 490.09
490.93 490.99
490.98 490.72
490.35 490.02
489.14 488.70
487.86 487.94
486.58 486.68
485.30 485.37
484.07 484.28
483.26 483.00
482.94 483.03
483.13 483.11
483.82 484.08
129+00
130+00
131+00
132+00
133+00
134+00
135+00
136+00
137+00
138+00
139+00
140+00
141+00
142+00
143+00
144+00
145+00
146+00
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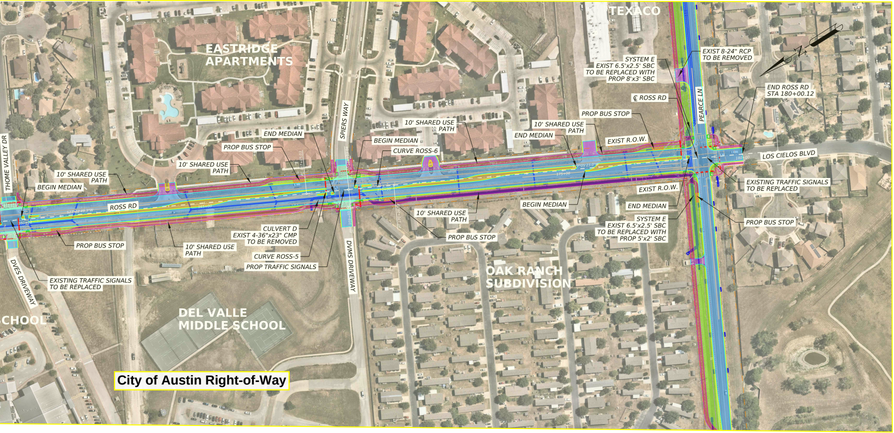
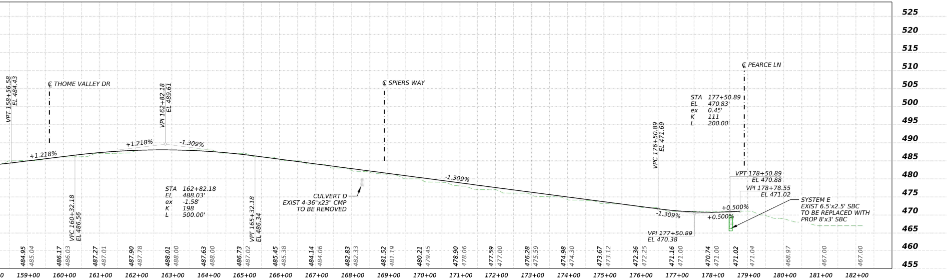
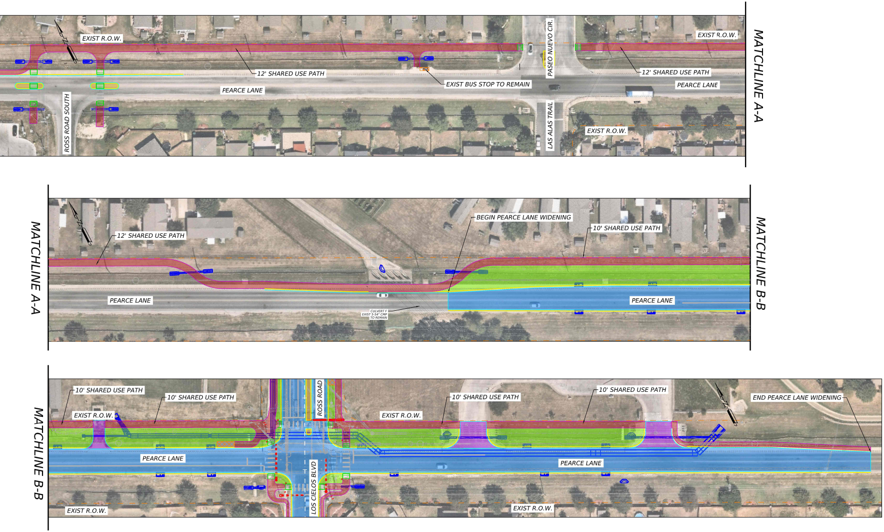
155+00
156+00
157+00
158+00

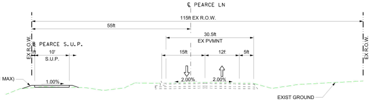

EASTRIDGE APARTMENTS
TEXACO
EXIST 8-24" RCP
TO BE REMOVED
SYSTEM E
EXIST 6.5'x2.5' SBC
TO BE REPLACED WITH
PROP 8'x3' SBC
N
END ROSS RD
STA 180+00.12
℄ ROSS RD
PEARCE LN
PROP BUS STOP
10' SHARED USE PATH
END MEDIAN
EXIST R.O.W.
LOS CIELOS BLVD
SPIERS WAY
END MEDIAN
PROP BUS STOP
10' SHARED USE PATH
BEGIN MEDIAN
CURVE ROSS-6
10' SHARED USE PATH
THOME VALLEY DR
10' SHARED USE PATH
BEGIN MEDIAN
ROSS RD
EXISTING TRAFFIC SIGNALS
TO BE REPLACED
EXIST R.O.W.
END MEDIAN
BEGIN MEDIAN
10' SHARED USE PATH
SYSTEM E
EXIST 6.5'x2.5' SBC
TO BE REPLACED WITH
PROP 5'x2' SBC
PROP BUS STOP
PROP BUS STOP
PROP BUS STOP
CULVERT D
EXIST 4-36"x23" CMP
TO BE REMOVED
10' SHARED USE PATH
CURVE ROSS-5
PROP TRAFFIC SIGNALS
DVES DRIVEWAY
DVMS DRIVEWAY
EXISTING TRAFFIC SIGNALS
TO BE REPLACED
OAK RANCH SUBDIVISION
DEL VALLE MIDDLE SCHOOL
SCHOOL
City of Austin Right-of-Way



6:1 (3:1


EXIST R.O.W.
12' SHARED USE PATH
EXIST BUS STOP TO REMAIN
PASEO NUEVO CIR.
EXIST R.O.W.
12' SHARED USE PATH
PEARCE LANE
PEARCE LANE
ROSS ROAD SOUTH
LAS ALAS TRAIL
EXIST R.O.W.
MATCHLINE A-A
MATCHLINE A-A
12' SHARED USE PATH
BEGIN PEARCE LANE WIDENING
10' SHARED USE PATH
PEARCE LANE
CULVERT F
EXIST 5-54" CMP
TO REMAIN
PEARCE LANE
MATCHLINE B-B
MATCHLINE B-B
10' SHARED USE PATH
10' SHARED USE PATH
EXIST R.O.W.
ROSS ROAD
10' SHARED USE PATH
EXIST R.O.W.
10' SHARED USE PATH
END PEARCE LANE WIDENING
PEARCE LANE
PEARCE LANE
LOS CIELOS BLVD
EXIST R.O.W.
EXIST R.O.W.

PEARCE LANE WIDENING & SHARED USE PATH

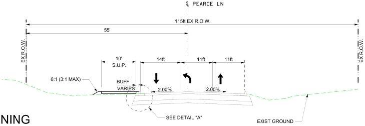

℄ PEARCE LN
115ft EX R.O.W.
55ft
30.5ft
EX PVMNT
EX R.O.W.
℄ PEARCE S.U.P.
1ft
10'
S.U.P.
15ft
12f.
5ft
EX R.O.W.
MAX)
1.00%
2.00%
2.00%
EXIST GROUND

PEARCE LN SUP

STA 10+00.00 TO STA 25+17.61
(℄ PEARCE LN SUP)

PEARCE LANE WIDENING

SCALE 1"=200'


℄ PEARCE LN
115ft EX R.O.W.
55'
EX R.O.W.
10'
S.U.P.
14ft
11ft
11ft
EX R.O.W.
6:1 (3:1 MAX)
BUFF
VARIES
2.00%
2.00%
SEE DETAIL "A"
EXIST GROUND

PEARCE LN AT ROSS RD