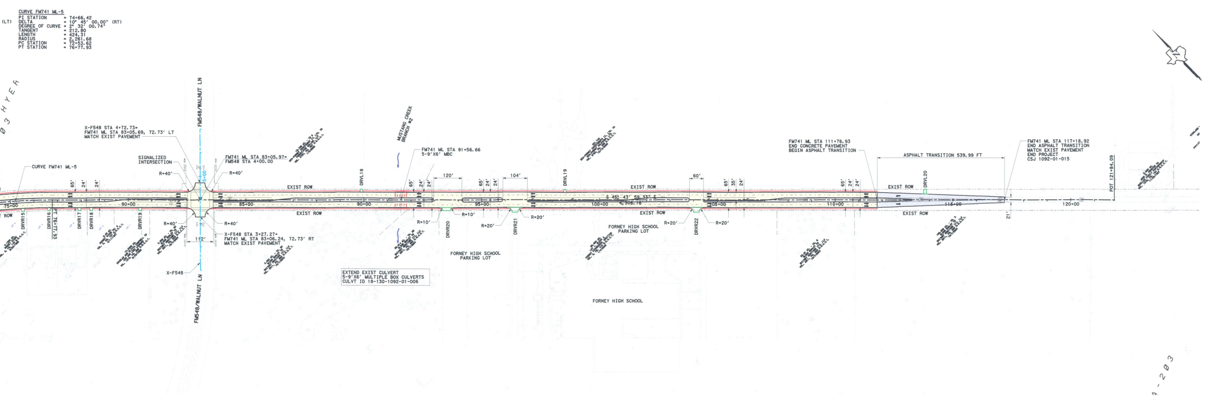
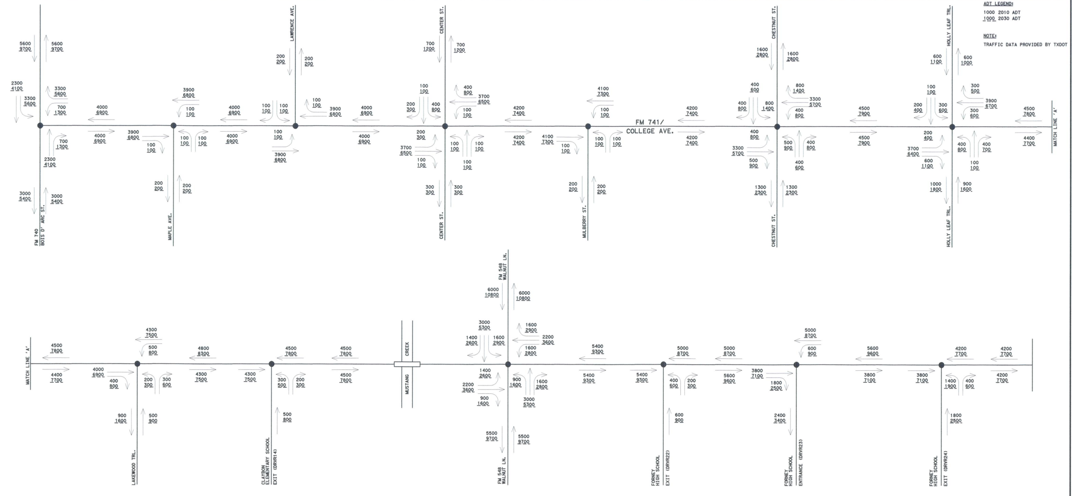

FM548/WALNUT LN
FORNEY HIGH SCHOOL
FORNEY HIGH SCHOOL PARKING LOT
EXIST ROW
ASPHALT TRANSITION 539.99 FT
EXTEND EXIST CULVERT 5-9'X6' MULTIPLE BOX CULVERTS CULVT ID 18-130-1092-01-006
SIGNALIZED INTERSECTION
CURVE FM741 ML-5

LEGEND

- ① TYPE II CURB
- ▭ PROPOSED CONCRETE PAVEMENT
- ▭ PROPOSED ASPHALT TRANSITION
- ⇨ EXISTING TRAFFIC DIRECTION
- ➡ PROPOSED TRAFFIC DIRECTION
- EXISTING ROW
- PROPOSED ROW
- PROPERTY LINE

GENERAL NOTES:
1. ALL DRIVEWAY RADIUS ARE 7' UNLESS OTHERWISE INDICATED.
2. ALL CROSS STREET RADIUS ARE 25' UNLESS OTHERWISE INDICATED.
3. ALL TURN LANES MEET MINIMUM REQUIREMENTS PER ROADWAY DESIGN MANUAL, CHAPTER 3, SECTION 2, UNLESS OTHERWISE NOTED.

DECELERATION LENGTH = 215' MIN
STORAGE LENGTH = 100' MIN
TAPER LENGTH = 50' MIN


FM 741/ COLLEGE AVE.
BOIS D'ARC ST.
MAPLE AVE.
LAWRENCE AVE.
CENTER ST.
MULBERRY ST.
CHESTNUT ST.
HOLLY LEAF TRL.
MATCH LINE 'A'
FM 548 WALNUT LN.
MUSTANG CREEK
LAKEWOOD TRL.
CLAYBON ELEMENTARY SCHOOL EXIST (DRIVE#4)
FORNEY HIGH SCHOOL EXIT (DRIVE#2)
FORNEY HIGH SCHOOL ENTRANCE (DRIVE#3)
FORNEY HIGH SCHOOL EXIT (DRIVE#4)

ADT LEGEND:

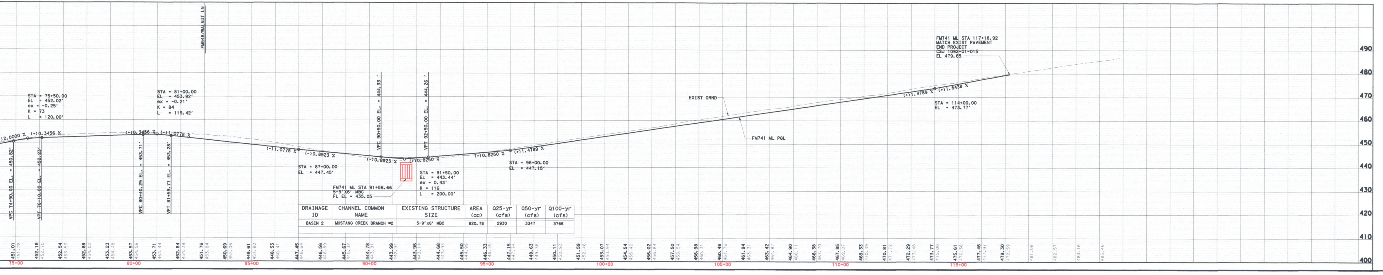
1000 2010 ADT
1000 2030 ADT

NOTE:

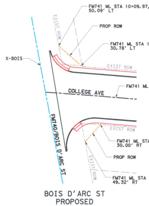
TRAFFIC DATA PROVIDED BY TXDOT

AVERAGE DAILY TRAFFIC(ADT) SCHEMATIC

NTS


EXIST GRND
FM741 ML PGL
FM548/WALNUT LN
FM741 ML STA 117+18.92 MATCH EXIST PAVEMENT END PROJECT CSJ 1092-01-015 EL 478.85
STA = 114+00.00 EL = 475.77'
STA = 87+00.00 EL = 447.45'
STA = 91+50.00 EL = 443.44' ex = 0.43' K = 116 L = 200.00'
FM741 ML STA 91+56.66 5-9'X6' MBC FL EL = 435.05
STA = 96+00.00 EL = 447.15'
(-)0.8923 %
(+)0.8250 %
85+00
90+00
95+00
100+00

DRAINAGE ID	CHANNEL COMMON NAME	EXISTING STRUCTURE SIZE	AREA (ac)	Q25-yr (cfs)	Q50-yr (cfs)	Q100-yr (cfs)
BASIN 2	MUSTANG CREEK BRANCH #2	5-9'x6' MBC	820.78	2930	3347	3766


COLLEGE AVE
PROP ROW
EXIST ROW
FM741 ML
X-BOIS
FM740/BOIS D'ARC ST

BOIS D'ARC ST
PROPOSED
CORNER CLIP DETAIL

NTS

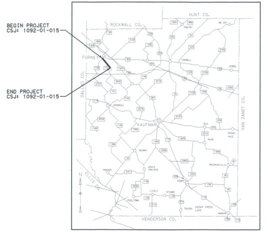
TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

CSJ: 1092-01-015

FM 741
KAUFMAN COUNTY

LIMITS: FM 740 (BOIS D'ARC)
TO EAST OF FM 548

AUGUST 2008


BEGIN PROJECT CSJ: 1092-01-015
END PROJECT CSJ: 1092-01-015
HUNT CO.
ROCKWALL CO.
HENDERSON CO.
CEDAR CREEK LAKE

PROJECT LOCATION MAP
NTS

TOTAL LENGTH OF PROJECT=

ROADWAY LENGTH:	10,520.93 FT = 1.993 MILES	
BRIDGE LENGTH:	188.50 FT = 0.036 MILES	
TOTAL	10,709.43 FT = 2.029 MILES	

CLASSIFICATION: URBAN MINOR COLLECTOR

DESIGN SPEED 35 MPH

ADT(2010) 10,800
ADT(2030) 18,600

THESE PRELIMINARY DOCUMENTS ARE TO BE RELEASED FOR INFORMATION PURPOSES AND ARE NOT INTENDED FOR CONSTRUCTION. THEY WERE PREPARED FOR THE TEXAS DEPARTMENT OF TRANSPORTATION UNDER THE SUPERVISION OF:

David W Hawley 8/4/2008

DAVID W. HAWLEY, P.E. DATE
NO. 92962

Texas Department of Transportation

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DESIGN SCHEMATIC

FM 741
FM 740 (BOIS D'ARC)
TO EAST OF FM 548
CITY OF FORNEY
ROLL 1 OF 1

HORZ: 1"=200'
VERT: 1"= 20'

PATE ENGINEERS
8150 Brookriver Dr., Suite S-700 Dallas, Tx. Phone: 214-357-2981

DATE: 8/4/2008	DISTRICT	COUNTY	CONTROL	SEC.	JOB
REVISION DATE	DALLAS	KAUFMAN	1092	01	015

X:\170001400\110SCH\fm741rd-sch1.dgn

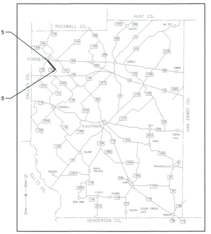
TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT
WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

CSJ: 1092-01-015

FM 741
KAUFMAN COUNTY

LIMITS: FM 740 (BOIS D'ARC)
TO EAST OF FM 548

AUGUST 2008


BEGIN PROJECT CSJ: 1092-01-015
END PROJECT CSJ: 1092-01-015
ROCKWALL CO.
HUNT CO.
DALLAS CO.
VAN ZANDT CO.
ELLIS CO.
HENDERSON CO.
FORNEY
TERRELL
KAUFMAN
CRANDALL
SCURRY
KEMP
N

PROJECT LOCATION MAP
NTS

TOTAL LENGTH OF PROJECT=
ROADWAY LENGTH: 10,520.93 FT = 1.993 MILES
BRIDGE LENGTH: 188.50 FT = 0.036 MILES
TOTAL 10,709.43 FT = 2.029 MILES

CLASSIFICATION: URBAN MINOR COLLECTOR

DESIGN SPEED 35 MPH

ADT(2010) 10,800
ADT(2030) 18,600

Texas Department of Transportation
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DESIGN SCHEMATIC

FM 741
FM 740 (BOIS D'ARC)
TO EAST OF FM 548
CITY OF FORNEY
ROLL 1 OF 1

100 50 0 100 200
HORZ: 1"=200'
VERT: 1"= 20'

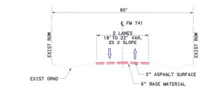
PATE ENGINEERS
8850 Brookriver Dr., Suite S-700 Dallas, Tx. Phone: 214-357-2981

DATE: 8/4/2008	DISTRICT	COUNTY	CONTROL	SEC.	JOB
REVISION DATE	DALLAS	KAUFMAN	1092	01	015

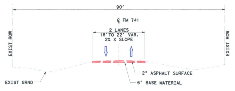
THESE PRELIMINARY DOCUMENTS ARE TO BE RELEASED FOR INFORMATION PURPOSES AND ARE NOT INTENDED FOR CONSTRUCTION. THEY WERE PREPARED FOR THE TEXAS DEPARTMENT OF TRANSPORTATION UNDER THE SUPERVISION OF:

David W Hawley 8/4/2008
DAVID W. HAWLEY, P.E. DATE
NO. 92962

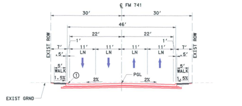
PATE ENGINEERS
8/4/2008 3:48:18 PM
X:\17000\1400\110SCH\fm741rd-sch1.dgn
1050cp-PATE-TO-file.plt
FM-741 FORNEY KAUFMAN COUNTY
rsheets


60'
2 LANES
18' TO 22' VAR.
2% X SLOPE
EXIST ROW
EXIST GRND
2" ASPHALT SURFACE
6" BASE MATERIAL

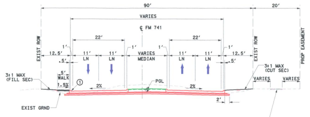
EXISTING TYPICAL SECTION
STA 10+11.26 TO STA 24+91
NTS


90'
℄ FM 741
2 LANES
18' TO 22' VAR.
2% X SLOPE
EXIST ROW
EXIST GRND
2" ASPHALT SURFACE
6" BASE MATERIAL

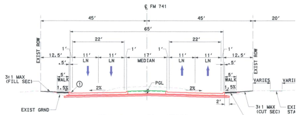
EXISTING TYPICAL SECTION
STA 24+91 TO STA 117+18.92
NTS


℄ FM 741
30'
30'
46'
22'
22'
7'
11' LN
11' LN
11' LN
11' LN
5' WALK
1.5%
2%
PGL
EXIST ROW
EXIST GRND

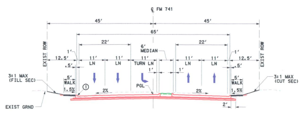
PROPOSED TYPICAL SECTION
STA 10+11.26 TO STA 24+91
NTS


90'
20'
VARIES
℄ FM 741
22'
22'
12.5'
11' LN
VARIES MEDIAN
5' WALK
1.5%
2%
PGL
3:1 MAX (FILL SEC)
3:1 MAX (CUT SEC)
EXIST ROW
PROP EASEMENT
EXIST GRND
EXIST SIDEWALK

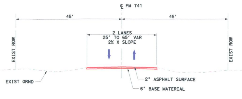
PROPOSED TYPICAL SECTION
STA 24+91 TO 31+89
NTS


℄ FM 741
45'
45'
20'
65'
22'
22'
12.5'
11' LN
17' MEDIAN
5' WALK
1.5%
2%
PGL
3:1 MAX (FILL SEC)
3:1 MAX (CUT SEC)
EXIST ROW
EXIST GRND
PROP SIDEWALK C
STA 31+89 TO ST

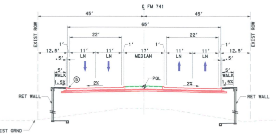
PROPOSED TYPICAL SECTION
STA 31+89 TO STA 66+68.90,
STA 67+88.90 TO STA 93+85.60
AND STA 106+86.68 TO STA 111+78.94
NTS


℄ FM 741
45'
45'
65'
22'
22'
12.5'
11' LN
11' TURN LN
6' MEDIAN
5' WALK
1.5%
2%
PGL
3:1 MAX (FILL SEC)
3:1 MAX (CUT SEC)
EXIST ROW
EXIST GRND

PROPOSED TYPICAL SECTION
STA 93+85.60 TO STA 106+86.68
WITH WESTBOUND LEFT TURN LANE
NTS


℄ FM 741
45'
45'
2 LANES
25' TO 65' VAR
2% X SLOPE
EXIST ROW
EXIST GRND
2" ASPHALT SURFACE
6" BASE MATERIAL

PROPOSED ASPHALT TRANSITION SECTION
STA 111+78.94 TO STA 117+18.92
NTS


℄ FM 741
45'
45'
65'
22'
22'
12.5'
11' LN
17' MEDIAN
5' WALK
1.5%
2%
PGL
RET WALL
EXIST ROW
EXIST GRND

PROPOSED RETAINING WALL TYPICAL SECTION
STA 61+00 TO STA 74+00
NTS

LEGEND

- ① TYPE II CURB
- ▭ PROPOSED CONCRETE PAVEMENT
- ▭ PROPOSED ASPHALT TRANSITION
- ⇨ EXISTING TRAFFIC DIRECTION
- ➡ PROPOSED TRAFFIC DIRECTION
- EXISTING ROW
- PROPOSED ROW
- PROPERTY LINE

GENERAL NOTES:
1. ALL DRIVEWAY RADIUS ARE 7' UNLESS OTHERWISE INDICATED.
2. ALL CROSS STREET RADIUS ARE 25' UNLESS OTHERWISE INDICATED.
3. ALL TURN LANES MEET MINIMUM REQUIREMENTS PER ROADWAY DESIGN MANUAL, CHAPTER 3, SECTION 2, UNLESS OTHERWISE NOTED.

DECELERATION LENGTH = 215' MIN
STORAGE LENGTH = 100' MIN
TAPER LENGTH = 50' MIN

FM 741 SUPER-ELEVATION TABLE

STATION	CROSS-SLOPE (LT/RT)	CURVE NO.	DESCRIPTION
22+91.00	-2.00% / -2.00%	FM741 ML-1	END NORMAL SLOPE - BEGIN TRANSITION
24+93.00	-2.73% / 2.73%		END TRANSITION - BEGIN FULL SUPER-ELEV
25+69.00	-2.73% / 2.73%		END FULL SUPER-ELEV - BEGIN TRANSITION
28+54.00	-2.00% / -2.00%		END TRANSITION - BEGIN NORMAL SLOPE
53+86.00	-2.00% / -2.00%	FM741 ML-3 *	END NORMAL SLOPE - BEGIN TRANSITION
56+51.00	-2.40% / 2.40%		END TRANSITION - BEGIN FULL SUPER-ELEV
61+48.00	-2.40% / 2.40%	FM741 ML-4 *	END FULL SUPER-ELEV - BEGIN TRANSITION
64+01.00	-2.00% / -2.00%		END TRANSITION - BEGIN NORMAL SLOPE
70+63.00	-2.00% / -2.00%	FM741 ML-5	END NORMAL SLOPE - BEGIN TRANSITION
73+49.00	-2.74% / 2.74%		END TRANSITION - BEGIN FULL SUPER-ELEV
75+83.00	-2.74% / 2.74%		END FULL SUPER-ELEV - BEGIN TRANSITION
78+69.00	-2.00% / -2.00%		END TRANSITION - BEGIN NORMAL SLOPE

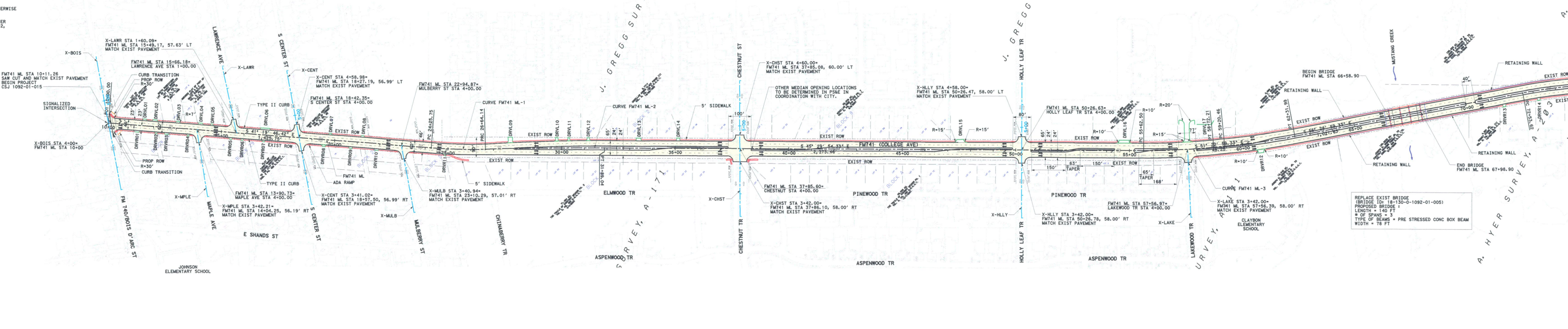
* FULL SUPER-ELEVATION OF 2.40% IS MAINTAINED THROUGH BOTH CURVES ML-3 AND ML-4

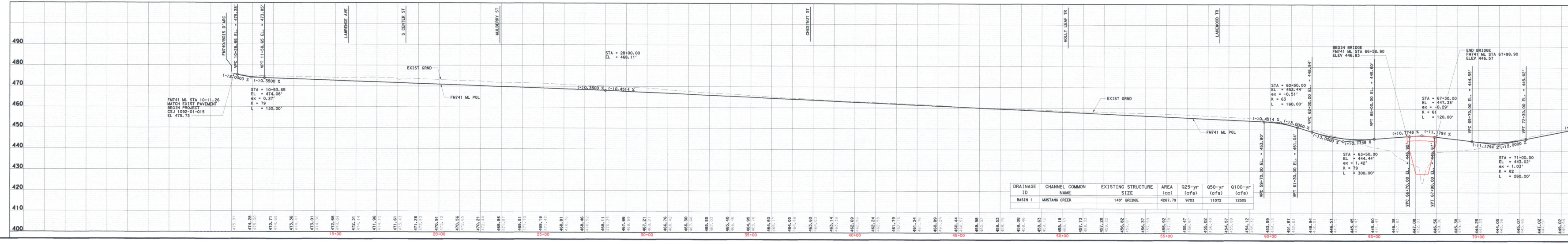
CURVE FM741 ML-1
PI STATION = 25+45.06
DELTA = 5° 59' 28.34" (LT)
DEGREE OF CURVE = 2° 30' 47.43"
TANGENT = 119.31
LENGTH = 238.39
RADIUS = 2,280.00
PC STATION = 24+25.75
PT STATION = 26+64.14

CURVE FM741 ML-2
PI STATION = 29+26.61
DELTA = 1° 49' 20.44" (RT)
DEGREE OF CURVE = 0° 20' 49.83"
TANGENT = 262.48
LENGTH = 524.91
RADIUS = 16,503.42
PC STATION = 26+64.14
PT STATION = 31+89.04

CURVE FM741 ML-3
PI STATION = 57+17.50
DELTA = 5° 53' 05.00" (LT)
DEGREE OF CURVE = 1° 54' 00.31"
TANGENT = 155.00
LENGTH = 309.71
RADIUS = 3,015.57
PC STATION = 55+62.50
PT STATION = 58+72.21

CURVE FM741 ML-4
PI STATION = 60+76.33
DELTA = 5° 06' 00.00"
DEGREE OF CURVE = 1° 38' 13.48"
TANGENT = 155.87
LENGTH = 311.53
RADIUS = 3,500.00
PC STATION = 59+20.46
PT STATION = 62+31.99


FM741 ML STA 10+11.26
SAW CUT AND MATCH EXIST PAVEMENT
BEGIN PROJECT
CSJ 1092-01-015
X-BOIS
X-LAWR STA 1+60.09=
FM741 ML STA 15+49.17, 57.63' LT
MATCH EXIST PAVEMENT
FM741 ML STA 15+66.18=
LAWRENCE AVE STA 1+00.00
CURB TRANSITION
PROP ROW
R=30'
LAWRENCE AVE
X-LAWR
S CENTER ST
X-CENT
X-CENT STA 4+58.98=
FM741 ML STA 18+27.19, 56.99' LT
MATCH EXIST PAVEMENT
FM741 ML STA 22+94.87=
MULBERRY ST STA 4+00.00
FM 740/BOIS D'ARC ST
MAPLE AVE
E SHANDS ST
JOHNSON ELEMENTARY SCHOOL
MULBERRY ST
CHINABERRY TR
J. GREGG SURVEY
CHESTNUT ST
ELMWOOD TR
PINEWOOD TR
HOLLY LEAF TR
ASPENWOOD TR
LAKEWOOD TR
FM741 (COLLEGE AVE)
CLAYTON ELEMENTARY SCHOOL
REPLACE EXIST BRIDGE
MUSTANG CREEK
RETAINING WALL
BEGIN BRIDGE
END BRIDGE
EXIST ROW
P. HYER SURVEY



DRAINAGE ID	CHANNEL COMMON NAME	EXISTING STRUCTURE SIZE	AREA (ac)	Q25-yr (cfs)	Q50-yr (cfs)	Q100-yr (cfs)
BASIN 1	MUSTANG CREEK	140' BRIDGE	4267.79	9703	11072	12505