TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

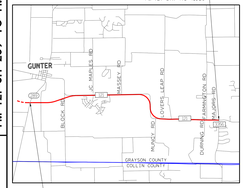
DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS)

MAINLANES (RURAL MAJOR COLLECTOR) BEGIN PROJECT TO STA 320+00.00	: 70 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 320+00.00 TO STA 369+00.00	: 50 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 369+00.00 TO END PROJECT	: 70 MPH
CROSS STREETS	: 30 MPH



SOUTH ALTERNATIVE
FM 121-SH 289 TO FM 3356

COUNTY: GRAYSON
DATE: JANUARY 2019

ROLL 1 OF 6

PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
2506 DALLAS PKWY., SUITE 101, FRISCO, TX 75034
FOR SYSTEM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
BRIAN BLANKENSHIP (WITH)
P.E. NUMBER
SIGNATURE
DATE
SCHEMATIC DESIGNER
LICENSE NUMBER
1/31/2019
DATE

HORIZONTAL SCALE
0 40' 80' 160'
VERTICAL SCALE
0 4' 8'

ROLL 1 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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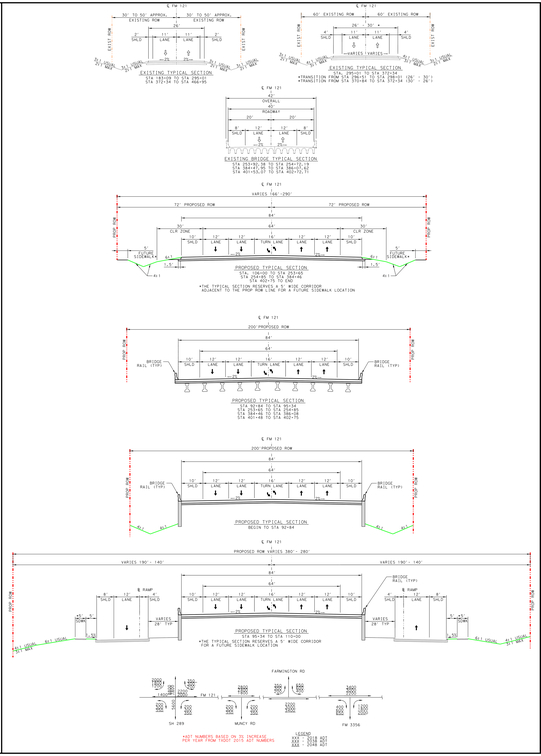
ORIGINAL SHEET SIZE 22" X 34"
ORIGINAL PLOT SCALE 1:1
FILE NAME: 0729-01-045_TYPICAL SECTIONS.DGN



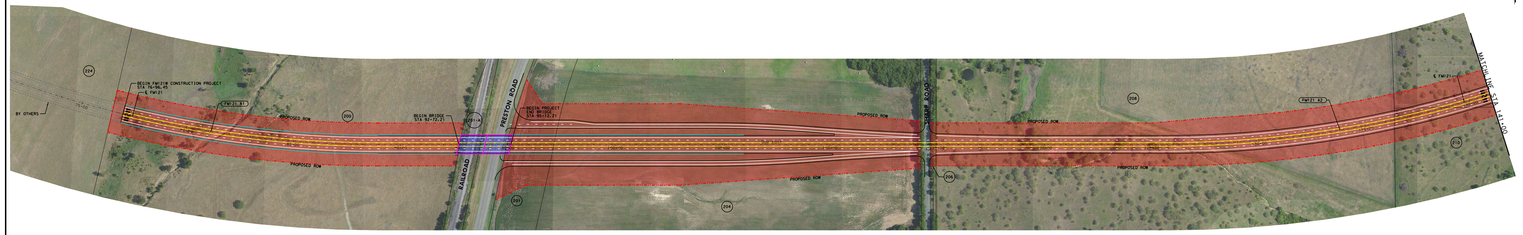
PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

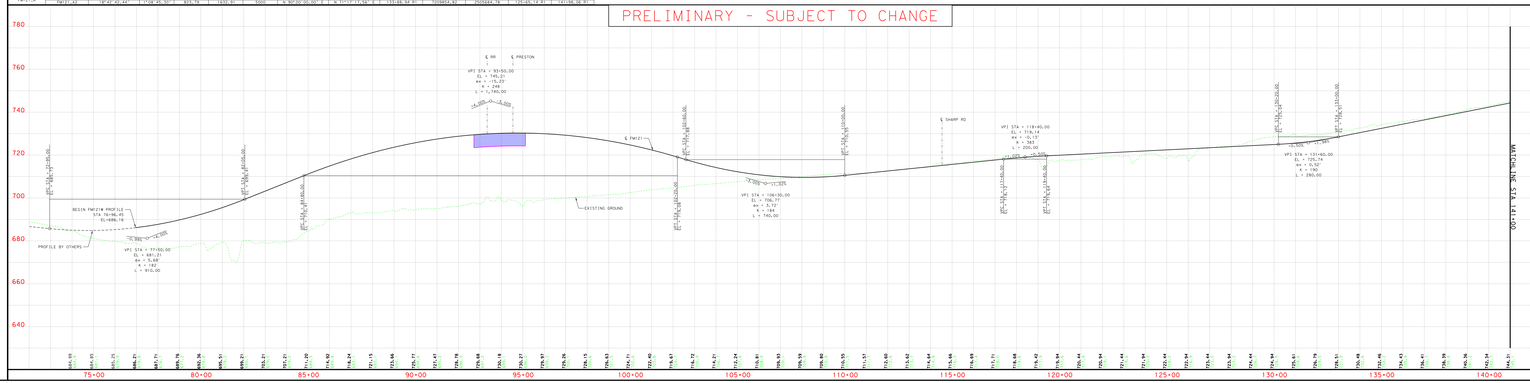
ROLL INDEX

ROLL	1:	FM 121 MAINLANES BEGIN TO 191+00.00
ROLL	2:	FM 121 MAINLANES STA 191+00.00 TO STA 209+00
ROLL	3:	FM 121 MAINLANES STA 209+00.00 TO STA 277+00
ROLL	4:	FM 121 MAINLANES STA 277+00.00 TO STA 345+00
ROLL	5:	FM 121 MAINLANES STA 345+00.00 TO STA 413+00
ROLL	6:	FM 121 MAINLANES STA 413+00.00 TO END PROJECT

[PARCEL] [PARCEL] ID	NO.	OWNER	ADDRESS
134630	200	GUNTER TRUST	PO BOX 795726 DALLAS TX 75379
134628	201	MCCUTCHIN RONALD FAMILY PARTNERSHIP LTD	PO BOX 670207 DALLAS TX 75367
134633	201-A	GUNTER TRUST	PO BOX 795726 DALLAS TX 75379
134626	204	MCCUTCHIN RONALD FAMILY PARTNERSHIP LTD	PO BOX 670207 DALLAS TX 75367
134526	206	AUTRY JOHN E ETUX LAJUANA S	770 BLOCK RD GUNTER TX 75058
134524	208	AUTRY JOHN E ETUX LAJUANA S	770 BLOCK RD GUNTER TX 75058
134525	209	AUTRY JOHN E ETUX LAJUANA S	770 BLOCK RD GUNTER TX 75058
265613	224	FATICHI WILLIAM & LAURA D	1251 ARROYO BLANCO FAIRVIEW TX 75069



ALIGNMENT	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK TANGENT	AHEAD TANGENT	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FM121_A	CURVE-1	12°-01'-24.00"	0°-29'-40.00"	295.14	590.27	5900	N 24°-29'-06.00" E	N 36°-30'-30.00" E	101+41.19	10000016.78	2000000.19	98+46.04	104+36.31
	CURVE-2	12°-01'-24.00"	0°-29'-40.00"	295.14	590.27	5900	N 36°-30'-30.00" E	N 24°-29'-06.00" E	107+77.44	10000642.19	2000034.19	104+36.31	110+26.58



TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

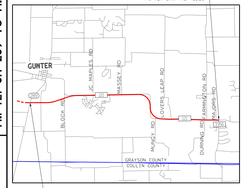
DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS

MAINLANES: RURAL MAJOR COLLECTOR: BEGIN PROJECT TO STA 300+00.00	- 70 MPH
MAINLANES: RURAL MAJOR COLLECTOR: STA 300+00.00 TO END PROJECT	- 50 MPH
MAINLANES: RURAL MAJOR COLLECTOR: STA 309+00.00 TO END PROJECT (CROSS STREET)	- 40 MPH



PRELIMINARY
SUBJECT TO CHANGE BASED
ON FURTHER DEVELOPMENTS
RESULTING FROM PUBLIC
INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
2506 DALLAS PKWY, SUITE 101
FRISCO, TEXAS 75034
FOR SYSTEM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
BRIAN BLEVINS (SAMPLE) (SAMPLE)
NAME P.E. NUMBER
SONIC SLONDER (SAMPLE)
NAME LICENSED NUMBER
1/31/2019
DATE

HORIZONTAL SCALE
1" = 40' 20' 0' 40' 80'
VERTICAL SCALE
1" = 5' 0' 5'

ROLL 2 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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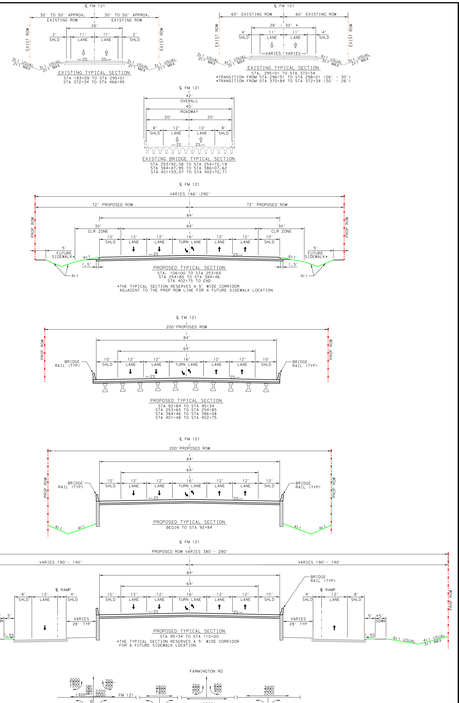
ORIGINAL PLOT DATE: 1/31/2019
FILE NAME: 0729-01-045_TRAF-PROJECT-SHT-SCHEMATIC.DGN
BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

TEXAS DEPARTMENT OF TRANSPORTATION
COUNTY: GRAYSON
DATE: JANUARY 2019
SOUTH ALTERNATIVE
FM 121-SH 289 TO FM 3356
ROLL 2 OF 6

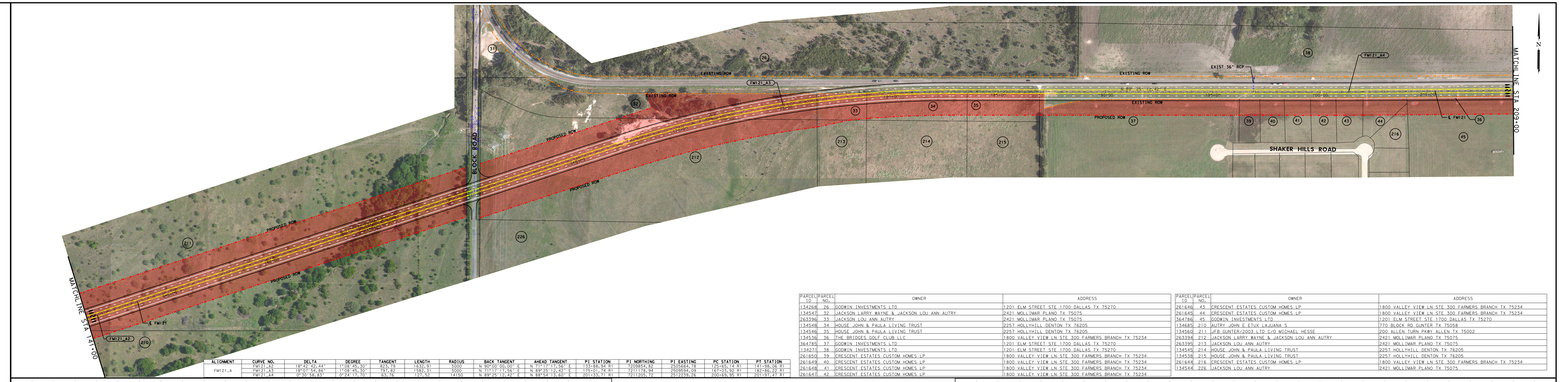


PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

ROLL INDEX

ROLL	1:	FM 121 (MAINLANES) BEGIN TO 191+00
ROLL	2:	FM 121 (MAINLANES) STA 191+00 TO STA 209+00
ROLL	3:	FM 121 (MAINLANES) STA 209+00 TO STA 277+00
ROLL	4:	FM 121 (MAINLANES) STA 277+00 TO STA 345+00
ROLL	5:	FM 121 (MAINLANES) STA 345+00 TO STA 413+00
ROLL	6:	FM 121 (MAINLANES) STA 413+00 TO END PROJECT


MATCHLINE STA 205+00
MATCHLINE STA 191+00
EXISTING ROW
EXIST 36" RCP
PROPOSED ROW
SHAKER HILLS ROAD
BLOCK ROAD
E FM 121
PROPOSED ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW

TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

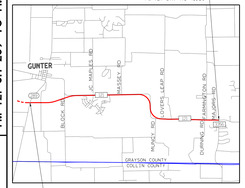
FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS)

MAINLANES (RURAL MAJOR COLLECTOR) BEGIN PROJECT TO STA 300+80.00	- 70 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 300+80.00 TO STA 369+00.00	- 60 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 369+00.00 TO END PROJECT	- 50 MPH
CROSS STREETS	- 30 MPH

END PROJECT
FM 121 STA 479+01.06
FM 121 STA 475+45.26



BEGIN PROJECT
FM 121 STA 95+21.21

PRELIMINARY
SUBJECT TO CHANGE BASED
ON FURTHER DEVELOPMENTS
RESULTING FROM PUBLIC
INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
FOR CONSTRUCTION PURPOSES
FOR SYSTEM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
BRIAN BLANKENSHIP 24773
NAME P.E. NUMBER
SONIC SLUMBER 1/31/2019
NAME OF REPRESENTATIVE SIGNATURE
1/31/2019
DATE

ORIGINAL SCALE
HORIZ. 1" = 40' VERT. 1" = 5'
REDUCED SCALE
HORIZ. 1" = 80' VERT. 1" = 10'

ROLL 3 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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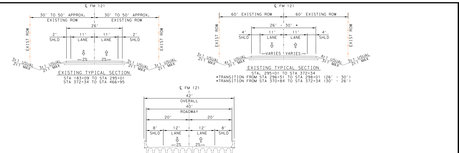
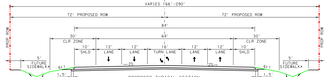
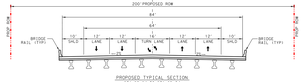
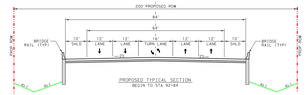
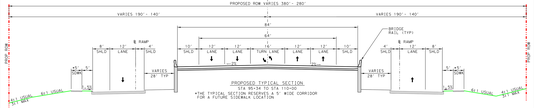
ORIGINAL PLANS IN
PROJECT MANAGER: TROY CHANEY-PE (TRONA@BGEINC.COM)
BGE, INC.
2506 DALLAS PARKWAY, SUITE 101
FRISCO, TEXAS 75034
TBPE REGISTRATION NO. F-1046

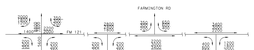












*EXT NUMBERS RAISED ON TO INCREASE
PER YEAR FROM TODAY 2019 EXT NUMBERS

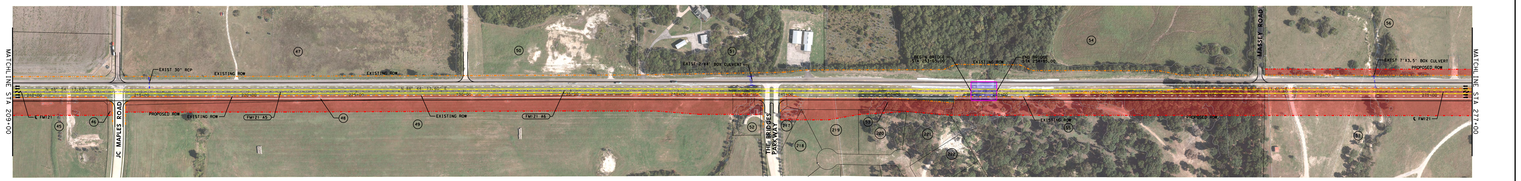
LEGEND
XXX = 2018 EXT
XXX = 2019 EXT
XXX = 2048 EXT

PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

ROLL INDEX

ROLL 1:	FM 121 MAINLANES	BEGIN TO STA 191+00
ROLL 2:	FM 121 MAINLANES	STA 191+00 TO STA 209+00
ROLL 3:	FM 121 MAINLANES	STA 209+00 TO STA 277+00
ROLL 4:	FM 121 MAINLANES	STA 277+00 TO STA 345+00
ROLL 5:	FM 121 MAINLANES	STA 345+00 TO STA 413+00
ROLL 6:	FM 121 MAINLANES	STA 413+00 TO END PROJECT

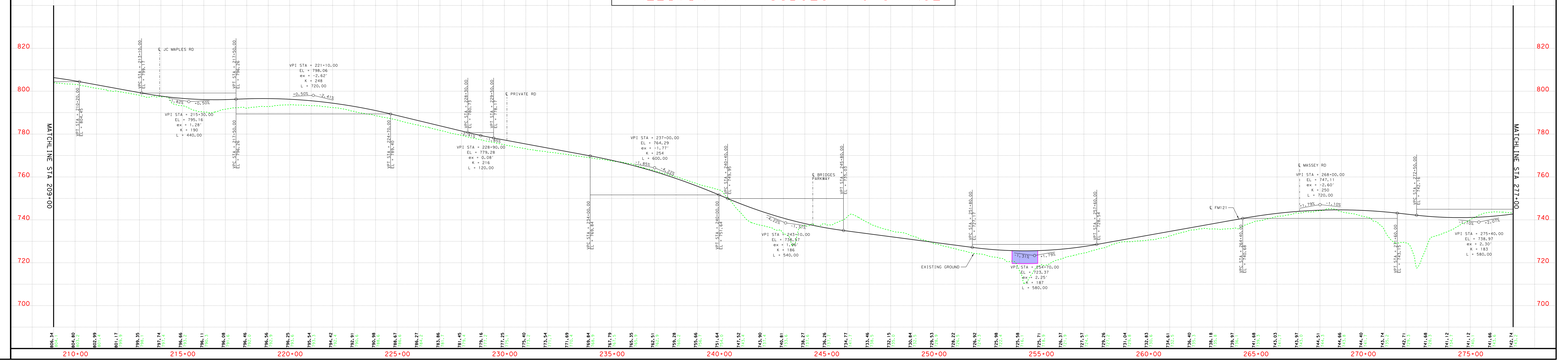


PARCEL/PARCEL ID	OWNER	ADDRESS
36478E 45	GOOMKIN INVESTMENTS LTD	1201 ELM STREET STE 1700 DALLAS TX 75270
261720 46	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
13978E 47	BRAY ROBERT	1 FOXI JAMWOOD LN DALLAS TX 75234
36478E 48	GOOMKIN INVESTMENTS LTD	1201 ELM STREET STE 1700 DALLAS TX 75270
36478E 49	GOOMKIN INVESTMENTS LTD	1201 ELM STREET STE 1700 DALLAS TX 75270
114360 50	CITY OF GUNTER	PO BOX 349 GUNTER TX 75058
36484E 51	THE BRIDGES LAND HOLDINGS LLC	8777 E VIA DE VENTURA STE 283 #79 SCOTTSDALE AZ 85251
36484E 52	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
250008 53	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
134510 54	RITENOUR EDWARD LIVING TRUST THE C/O EDWARD RITENOUR-TRUSTEE	5965 WOODLEAF RD WEST BLOOMFIELD MI 48322

PARCEL/PARCEL ID	OWNER	ADDRESS
36484E 55	GOOMKIN INVESTMENTS LTD	201 ELM STREET STE 1700 DALLAS TX 75270
134310 56	RICE CHARLES W	7803 FM 121 GUNTER TX 75058
36478E 57	GOOMKIN INVESTMENTS LTD	201 ELM STREET STE 1700 DALLAS TX 75270
350008 217	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
350072 218	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
350078 219	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
350076 220	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
350074 221	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234
350076 222	THE BRIDGES LAND HOLDINGS LLC	1800 VALLEY VIEW LN STE 500 FARMERS BRANCH TX 75234

ALIGNMENT	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK TANGENT	AHEAD TANGENT	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FM121_A	CURVE-01	07°27'00.00"	0°45'34.08"	75.00	149.00	7540	N 88°20'14.00" E	N 88°20'14.00" E	250+07.74	10112576.24	2612526.90	248+32.74	249+81.74
	CURVE-02	07°27'00.00"	0°45'34.08"	75.00	149.00	7540	N 88°20'14.00" E	N 88°20'14.00" E	252+07.74	10112576.24	2612526.90	250+32.74	251+81.74

PRELIMINARY - SUBJECT TO CHANGE



TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

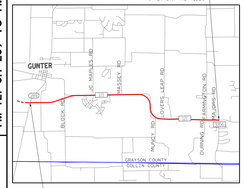
DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

MAINLANES (RURAL MAJOR COLLECTOR): BEGIN PROJECT TO STA 300+90.00 - 70 MPH
MAINLANES (RURAL MAJOR COLLECTOR): STA 300+90.00 TO END PROJECT - 50 MPH
MAINLANES (RURAL MAJOR COLLECTOR): STA 369+80.00 TO END PROJECT (CROSS STREET) - 50 MPH



PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
FOR CONSTRUCTION PLANS (FOR PERMITTING, BIDDING OR CONSTRUCTION)
Prepared by or under the supervision of:
BRIAN BLANKENSHIP (DATE)
NAME P.E. NUMBER
SCOTT SIMMONS (DATE)
NAME P.E. NUMBER
12/31/2019
DATE

ORIGINAL SCALE
HORIZONTAL SCALE: 0 40 80
VERTICAL SCALE: 0 5 10

ROLL 4 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 ● www.bgeinc.com
TBPE Registration No. F-1046

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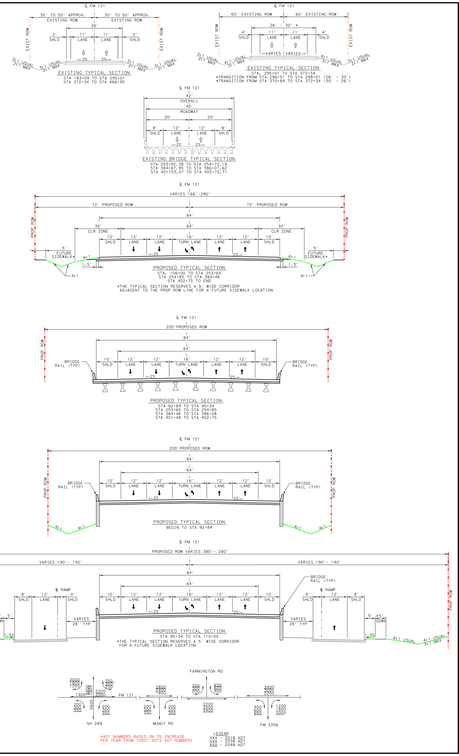
ROLL 4 OF 6 | SOUTH ALTERNATIVE FM 121-SH 289 TO FM 3356 | COUNTY: GRAYSON DATE: JANUARY 2019



PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

ROLL INDEX

ROLL 1: FM 121 (MAINLANES) BEGIN TO 189+00
ROLL 2: FM 121 (MAINLANES) STA 189+00 TO STA 209+00
ROLL 3: FM 121 (MAINLANES) STA 209+00 TO STA 277+00
ROLL 4: FM 121 (MAINLANES) STA 277+00 TO STA 345+00
ROLL 5: FM 121 (MAINLANES) STA 345+00 TO STA 413+00
ROLL 6: FM 121 (MAINLANES) STA 413+00 TO END PROJECT

PARCEL NO.	PARCEL SHEET NO.	OWNER	ADDRESS
134170	56	RICE CHARLES M	17803 FM 121 GUNTER TX 75058
134178	57	GODWIN INVESTMENTS LTD	1201 ELM STREET STE 1700 DALLAS TX 75270
134179	58	GODWIN INVESTMENTS LTD	1201 ELM STREET STE 1700 DALLAS TX 75270
134172	59	RICE THEANA F TR	17803 FM 121 GUNTER TX 75058
134170	60	RICE CHARLES M	17803 FM 121 GUNTER TX 75058
134176	61	FOUR B INVESTMENTS LTD	3817 GREENBRIER DALLAS TX 75205
134178	62	RICE CHARLES M	17803 FM 121 GUNTER TX 75058

MATCHLINE STA 277+00
PROPOSED ROW
EXISTING ROW
EXISTING 42" ROW
EXISTING CURB
EXISTING CONC
EXISTING ROW
PROPOSED ROW
FM 121
W M RANCH RD
CROSS
FM 121
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED ROW

TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

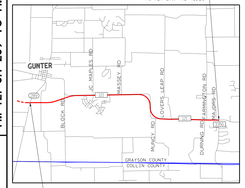
DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS)

MAINLANES (RURAL MAJOR COLLECTOR) BEGIN PROJECT TO STA 320+00.00	- 70 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 320+00.00 TO END PROJECT	- 70 MPH
MAINLANES (RURAL MAJOR COLLECTOR) STA 369+00.00 TO END PROJECT (CROSS STREET)	- 50 MPH
	- 50 MPH



PRELIMINARY
SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
2506 DALLAS PKWY, SUITE 101
FRISCO, TEXAS 75034
PHONE: (972) 664-4800
FOR CONTRACT PLANS, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
BRIAN BLOMQUIST 04/23/19
NAME DATE
SONNY SLOMAN P.E. NUMBER
NAME NUMBER
12/31/2019
DATE

ORIGINAL SCALE
HORIZ. 1" = 40' VERT. 1" = 300'
REDUCED SCALE
HORIZ. 1" = 80' VERT. 1" = 150'

ROLL 5 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-664-4800 www.bgeinc.com
TBPE Registration No. F-1046

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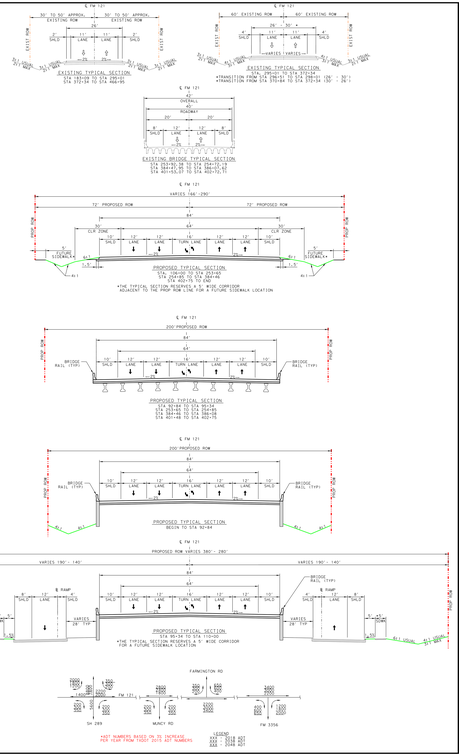
COUNTY: GRAYSON
DATE: JANUARY 2019

SOUTH ALTERNATIVE
FM 121-SH 289 TO FM 3356

ROLL 5 OF 6

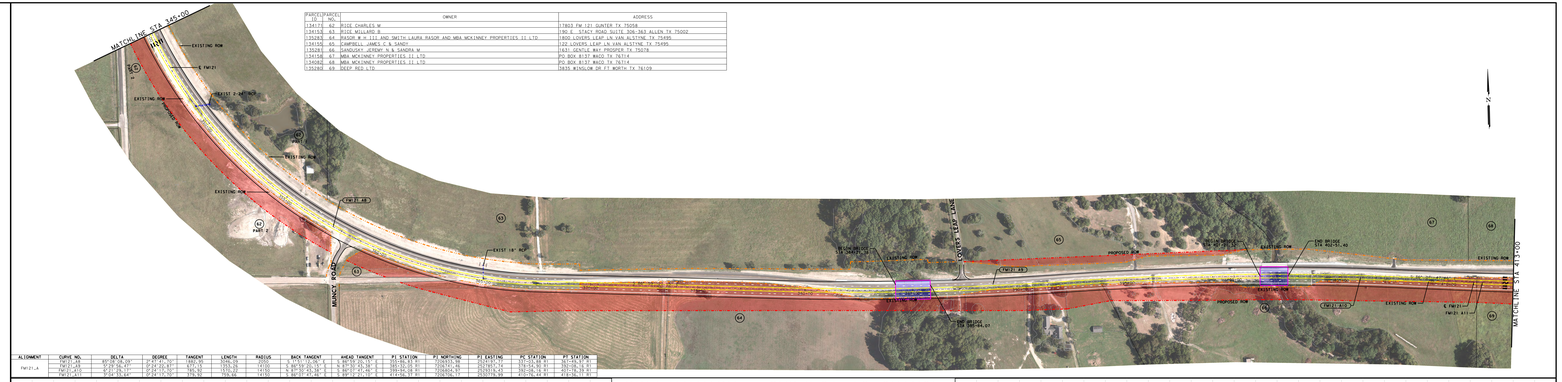


PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

ROLL INDEX

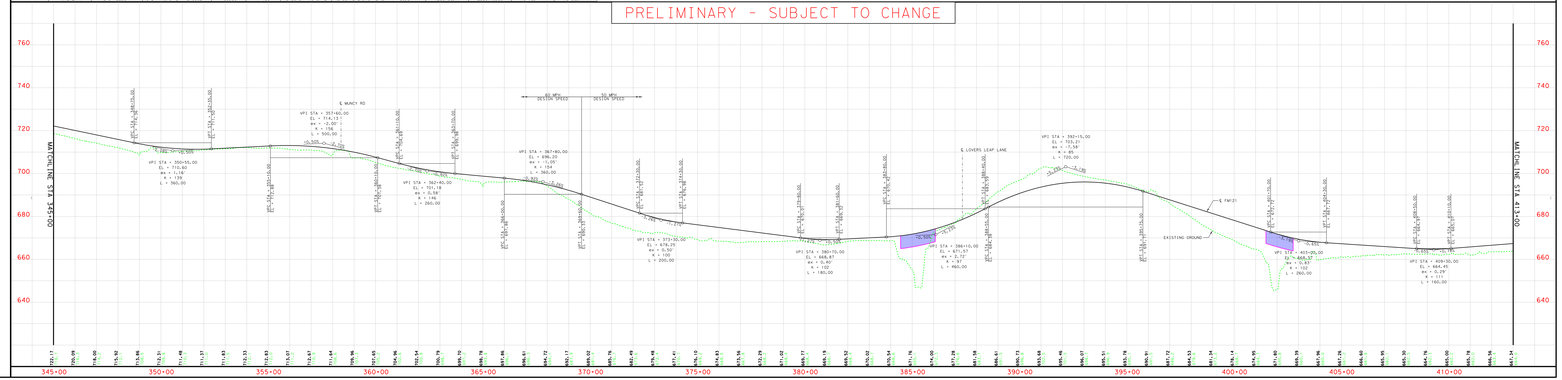
ROLL 1: FM 121 MAINLANES BEGIN TO 194+00
ROLL 2: FM 121 MAINLANES 194+00 TO STA 299+00
ROLL 3: FM 121 MAINLANES STA 299+00 TO STA 377+00
ROLL 4: FM 121 MAINLANES STA 377+00 TO STA 345+00
ROLL 5: FM 121 MAINLANES STA 345+00 TO STA 413+00
ROLL 6: FM 121 MAINLANES STA 413+00 TO END PROJECT



PARCEL(PARCEL) ID. NO.		OWNER	ADDRESS
134172	62	RIDE CHARLES W	17803 FM 121 GUNTER TX 75058
134132	63	RIDE WILLARD B	NO 6 - STACY ROAD SUITE 506-363 ALLEN TX 75002
135283	64	RASOR M H III AND SMITH-LAURA RASOR AND MBA MCKINNEY PROPERTIES II LTD	1800 LOVERS LEAP LN VAN BLISTINE TX 75495
134155	65	CAMPBELL JAMES C & SANDY	120 LOVERS LEAP LN VAN BLISTINE TX 75495
135281	66	SANDUSKY JEREMY N & SANDRA M	1431 GENTLE WAY PROSPER TX 75078
134138	67	MBA MCKINNEY PROPERTIES II LTD	PO BOX 8137 WACO TX 76714
134082	68	MBA MCKINNEY PROPERTIES II LTD	PO BOX 8137 WACO TX 76714
135284	69	DEEP RED LTD	6845 WINGLOW DR FT WORTH TX 76109

ALIGNMENT	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK TANGENT	AHEAD TANGENT	PI STATION	PI NORTHING	PI EASTING	PC STATION	PT STATION
FM121_A	C1	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 89°38'39" E	N 89°17'18" E	353+01.06	10,000,000.00	2,000,000.00	351+34.04	372+68.04
	C2	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 89°17'18" E	N 88°55'57" E	374+36.04	10,000,000.00	2,000,000.00	373+69.04	395+03.04
	C3	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 88°55'57" E	N 88°34'36" E	397+38.04	10,000,000.00	2,000,000.00	396+71.04	418+05.04
	C4	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 88°34'36" E	N 88°13'15" E	420+40.04	10,000,000.00	2,000,000.00	419+73.04	441+07.04
	C5	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 88°13'15" E	N 87°51'54" E	443+42.04	10,000,000.00	2,000,000.00	442+75.04	464+09.04
	C6	0°21'21"	0°21'21"	1,067.00'	2,134.00'	16,000.00'	N 87°51'54" E	N 87°30'33" E	466+44.04	10,000,000.00	2,000,000.00	465+77.04	487+11.04

PRELIMINARY - SUBJECT TO CHANGE



TEXAS DEPARTMENT OF TRANSPORTATION

PARIS DISTRICT
NOEL PARAMANANTHAM, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
FM 121
GRAYSON COUNTY

FROM SH 289 TO FM 3356
Project Length = 7.5 Miles
CSJ # 0729-01-045

DESIGN SPEEDS

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS)

MAINLANES (RURAL MAJOR COLLECTOR): BEGIN PROJECT TO STA 300+00.00 - 70 MPH
MAINLANES (URBAN MAJOR COLLECTOR): STA 300+00.00 TO STA 369+00.00 - 50 MPH
MAINLANES (URBAN MAJOR COLLECTOR): STA 369+00.00 TO END PROJECT - 40 MPH
CROSS STREETS - 30 MPH

PRELIMINARY
SUBJECT TO CHANGE BASED
ON FURTHER DEVELOPMENTS
RESULTING FROM PUBLIC
INPUT AND TECHNICAL REVIEW

SCHEMATIC PREPARED BY:
BGE, INC.
RECOMMENDED FOR PRELIMINARY USE ONLY
FOR SYSTEM REVIEW ONLY, NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the supervision of:
BRIAN BLANKENSHIP (WITH)
NAME P.E. NUMBER
SONIC SLONDER (WITH)
NAME P.E. NUMBER
12/31/2019
DATE

HORIZONTAL SCALE
0 40' 80' 160'
VERTICAL SCALE
0 4' 8' 16'

ROLL 6 OF 6

BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 www.bgeinc.com
TBPE Registration No. F-1046

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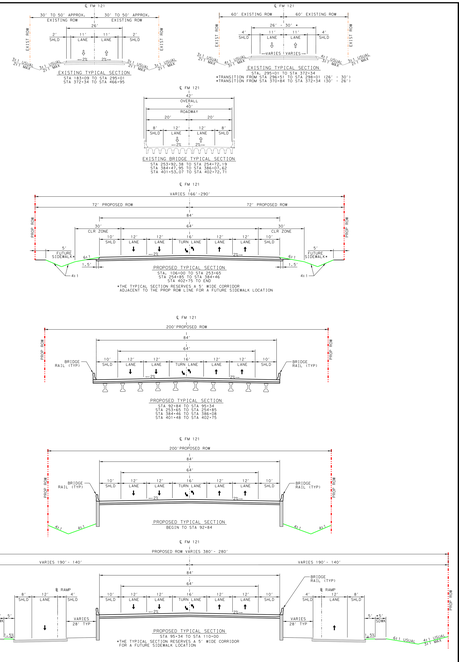
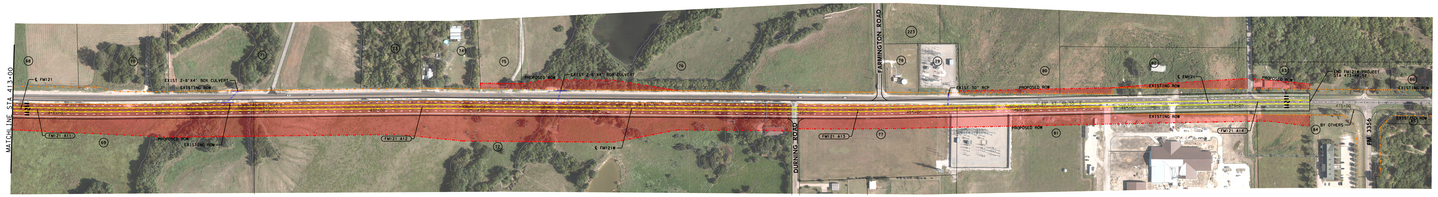


PLAN LEGEND

- PROPOSED ℄
- PROPOSED ROW
- RETAINING WALL
- EXISTING ROW
- PARCEL BOUNDARY
- EXISTING DRAINAGE CULVERT
- PROPERTY IMPACTS
- PROPOSED BRIDGE STRUCTURE
- PROPOSED DIRECTION OF TRAVEL
- PARCEL NUMBER
- HORIZONTAL CURVE ID

ROLL INDEX

ROLL 1: FM 121 MAINLANES BEGIN TO STA 209+00
ROLL 2: FM 121 MAINLANES STA 194+00 TO STA 209+00
ROLL 3: FM 121 MAINLANES STA 209+00 TO STA 277+00
ROLL 4: FM 121 MAINLANES STA 277+00 TO STA 345+00
ROLL 5: FM 121 MAINLANES STA 345+00 TO STA 413+00
ROLL 6: FM 121 MAINLANES STA 413+00 TO END PROJECT

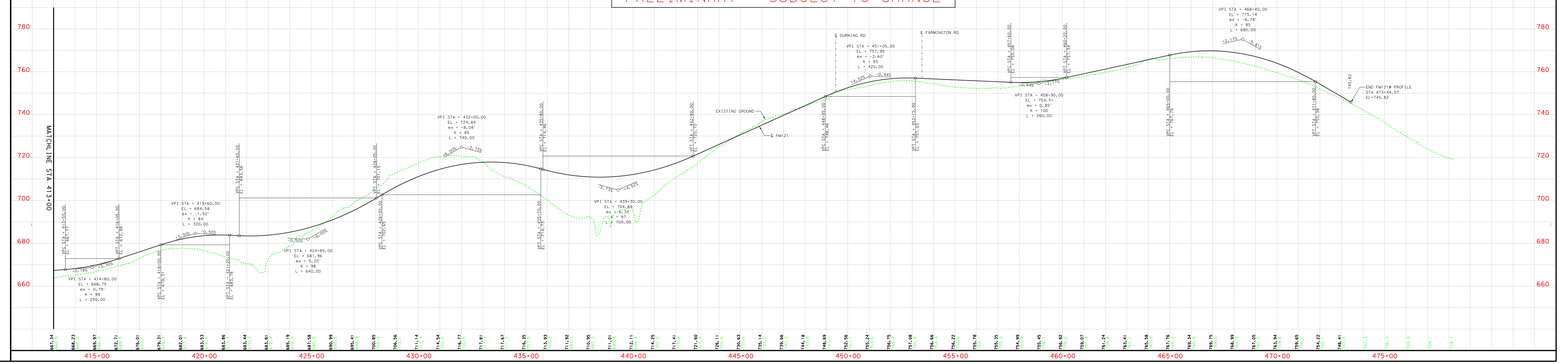


ALIGNMENT	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS	BACK TANGENT	AHEAD TANGENT	P.I. STATION	P.I. NORTHING	P.I. EASTING	PC STATION	PT STATION
FM121_A	1	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 89°35'48.3" E	N 89°11'36.6" E	0+99+62.50	7000000.00	2500000.00	0+98+37.71	1+00+86.29
	2	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 89°11'36.6" E	N 88°47'24.9" E	1+98+62.50	7000000.00	2500000.00	1+97+37.71	1+99+86.29
	3	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 88°47'24.9" E	N 88°23'13.2" E	2+98+62.50	7000000.00	2500000.00	2+97+37.71	2+99+86.29
	4	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 88°23'13.2" E	N 87°59'01.5" E	3+98+62.50	7000000.00	2500000.00	3+97+37.71	3+99+86.29
	5	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 87°59'01.5" E	N 87°34'49.8" E	4+98+62.50	7000000.00	2500000.00	4+97+37.71	4+99+86.29
	6	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 87°34'49.8" E	N 87°10'38.1" E	5+98+62.50	7000000.00	2500000.00	5+97+37.71	5+99+86.29
	7	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 87°10'38.1" E	N 86°46'26.4" E	6+98+62.50	7000000.00	2500000.00	6+97+37.71	6+99+86.29
	8	0°24'11.7"	0°14'19.1"	1+24.79	2+48.58	24000.00	N 86°46'26.4" E	N 86°22'14.7" E	7+98+62.50	7000000.00	2500000.00	7+97+37.71	7+99+86.29

PARCEL/PARCEL (ID)	NO.	OWNER	ADDRESS
1242062	68	WBA WCKINNEY PROPERTIES II LTD	PO BOX 8137 WACO TX 76714
1242062	69	DEEP RED LTD	5835 BINGLEN DR FT WORTH TX 76109
1242062	70	WBA WCKINNEY PROPERTIES II LTD	PO BOX 8137 WACO TX 76714
1240812	71	BAGLEY TRACEY JANE	5203 FM 121 VAN ALSTYNE TX 75495
1252738	72	WHITEFIELD LINDA JAN	101 CR 388 STEPHENVILLE TX 76401
1240812	73	BAGLEY TRACEY JANE ETAL	5203 FM 121 VAN ALSTYNE TX 75495
1240812	74	LOVE KAREN HOLLOWAY	PO BOX 1213 VAN ALSTYNE TX 75495
1240812	75	WILLIGOOS ROBERT RAY ETUX NGUYEN TUYET	15013 FM 121 VAN ALSTYNE TX 75495
1240812	76	BAKER KRIS R AND ANNETTE L	1217 FARMINGTON ROAD VAN ALSTYNE TX 75495
1252608	77	ALEXANDER JAMES M ETUX PHYLLIS	100 DURNING RD VAN ALSTYNE TX 75495

PARCEL/PARCEL (ID)	NO.	OWNER	ADDRESS
1240062	78	WAHILEE SPECIAL UTILITY DISTRICT	P O BOX 1017 CELINA TX 75009
1240062	79	ONCOR ELECTRIC DELIVERY COMPANY	PO BOX 139100 DALLAS TX 75313
1881745	80	VANA FARMS LLC	4812 HERSHEY LN PLANO TX 75024
2022025	81	GRAYSON-COLLIN ELECTRIC COOPERATIVE	PO BOX 548 VAN ALSTYNE TX 75495
1240062	82	BUTKUNAS ESTATES LLC	1400 CORPORATE DR STE 117 IRVING TX 75038
1242062	83	VANA FARMS LIMITED PARTNERSHIP LLC C/O DAMOOD JAMEEL	4812 HERSHEY LN PLANO TX 75024
1252062	84	DERAELCO LLC	7105 WELLINGTON POINT RD MCKINNEY TX 75070
1253248	85	BANE DAVID	14005 TANGLEWOOD DR DALLAS TX 75234
1240062	86	SINGUS FRANK DAVID	154 HACKBERRY RD VAN ALSTYNE TX 75495
1881746	223	BOMPLAR LEELA MANI	42729 OGLIVIE SQ ASHBURN VA 20148

PRELIMINARY - SUBJECT TO CHANGE



ORIGINAL SHEET SIZE 22" x 34"
BGE, Inc.
2506 Dallas Parkway, Suite 101, Frisco, TX 75034
Tel: 972-464-4800 www.bgeinc.com
TBPE Registration No. F-1046
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TEXAS DEPARTMENT OF TRANSPORTATION
SOUTH ALTERNATIVE
FM 121-SH 289 TO FM 3356
ROLL 6 OF 6
COUNTY: GRAYSON
DATE: JANUARY 2019