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Texas Department of Transportation

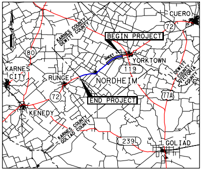
SH 72
CSJ: 0270-02-041
PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY
LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION,
PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700


CUERO
72
KARNES COUNTY
DEWITT COUNTY
BEGIN PROJECT
SHEET 1
YORKTOWN
119
80
KARNES CITY
RUNGE
NORDHEIM
DEWITT COUNTY
VICTORIA COUNTY
77A
72
END PROJECT
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD

LOCATION MAP
N.T.S.

LEGEND

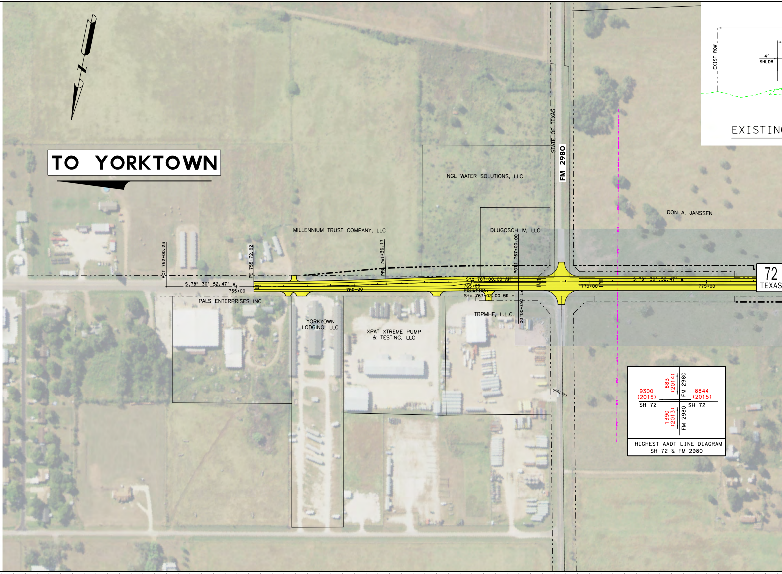
PROPOSED ROW	—·—·—
EXISTING ROW	— · — ·
EXISTING GAS PIPELINES	—·· 6"-I-G ··—
TRAFFIC FLOW DIRECTION	➡
FEMA 100-YR FLOODPLAIN BOUNDARY	───
PARCEL BOUNDARY	───
PROPOSED BRIDGE	🟪
PROPOSED ROADWAY	🟨

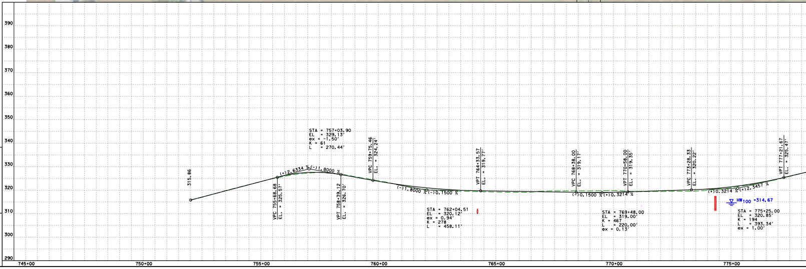
PRELIMINARY
SUBJECT TO CHANGE

PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)	───
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE	— — —
EXISTING CULVERT CROSSING	0 ▯
EXISTING OIL/GAS PIPELINE CROSSING	●

0 100 200
SCALE: 1" = 200' H
1" = 20' V


N
TO YORKTOWN
EXIST ROW
4' SHLDR
EXISTIN
STATE OF TEXAS
FM 2980
NGL WATER SOLUTIONS, LLC
DON A. JANSSEN
MILLENNIUM TRUST COMPANY, LLC
DLUGOSCH IV, LLC
POT 752+00.23
PC 755+72.92
PRC 761+36.17
POT 767+00.00
S 78° 30' 52.47" W
755+00
760+00
Sta 767+00.00 AH
765+00
EQUATION:
Sta 767+02.00 BK
770+00
S 78° 30' 52.47" W
775+00
72
TEXAS
PT 767+00.00
PALS ENTERPRISES INC
YORKYOWN LODGING, LLC
XPAT XTREME PUMP & TESTING, LLC
TRPMHF, L.L.C.
FM 2980
883 (2014)
9300 (2015)
FM 2980
8844 (2015)
SH 72
SH 72
1390 (2013)
FM 2980
HIGHEST AADT LINE DIAGRAM
SH 72 & FM 2980

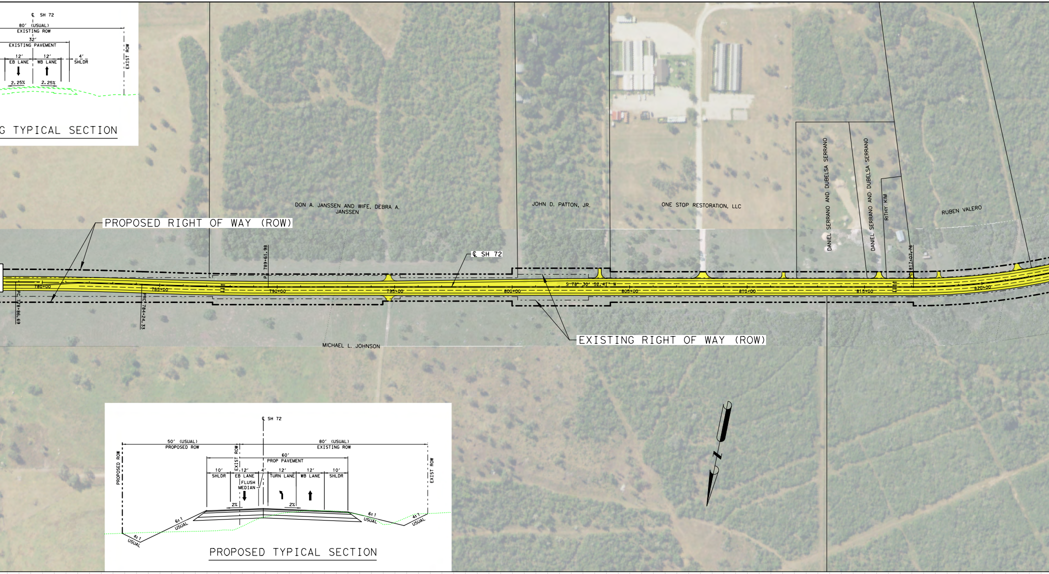


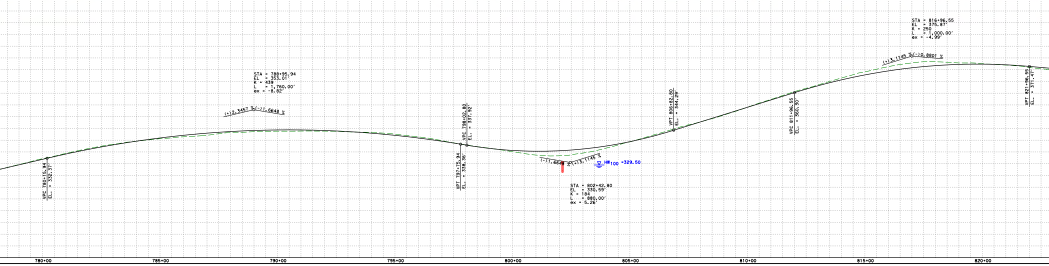
PGAL
TBPE REG.
NO. F-2742
3131 BRIARPARK
Suite 200
Houston, Texas 77042
Phone (713) 622-1444
Fax (713) 968-9333

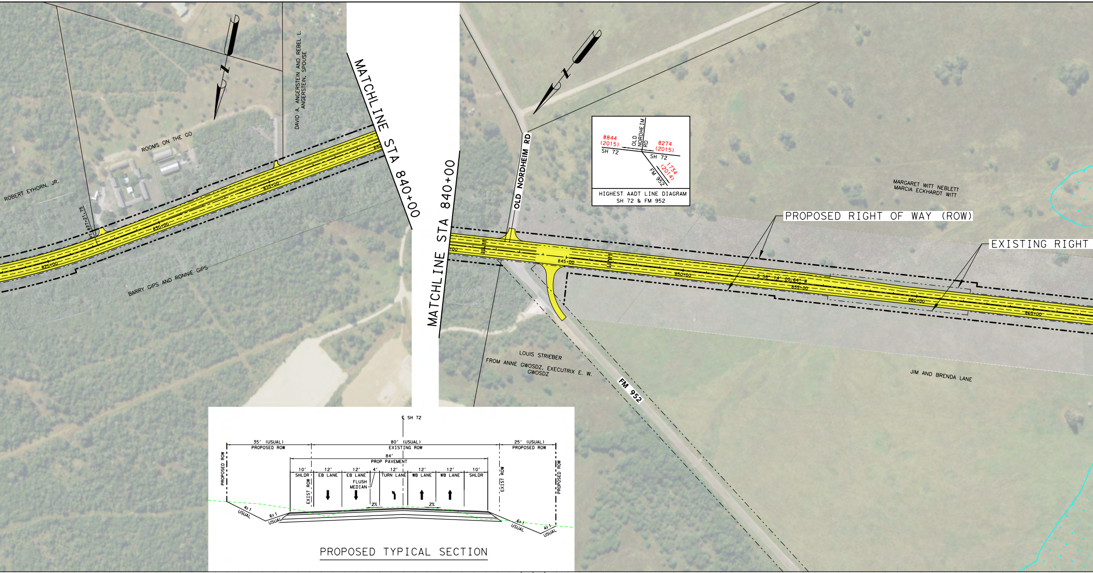
SH 72

SCHEMATIC LAYOUT

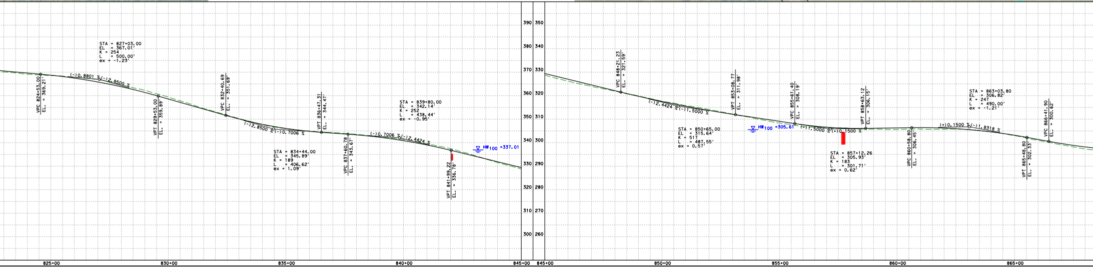
SHEET 1 OF 3

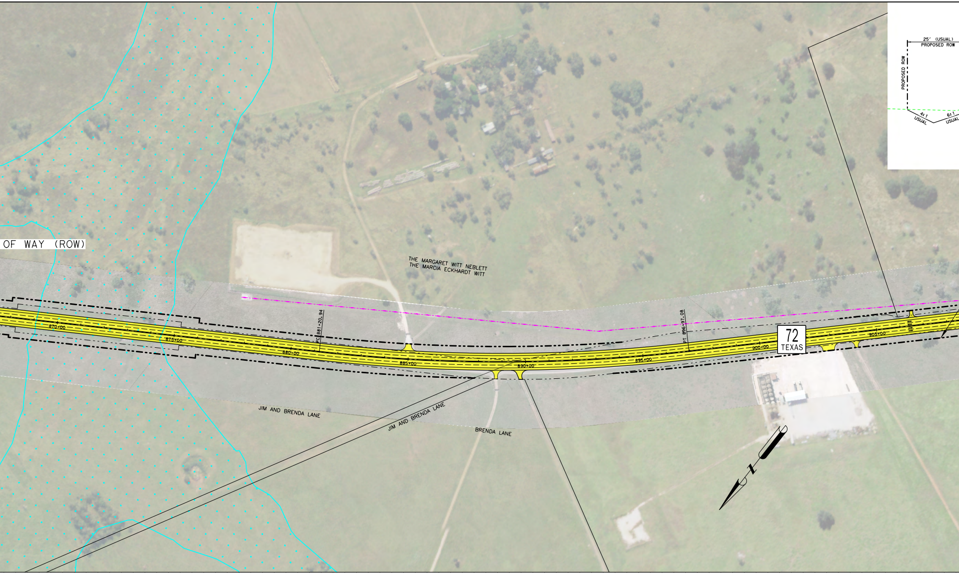

℄ SH 72
80′ (USUAL)
EXISTING ROW
32′
EXISTING PAVEMENT
12′
EB LANE
12′
WB LANE
4′
SHLDR
EXIST ROW
2.25%
2.25%
G TYPICAL SECTION
DON A. JANSSEN AND WIFE, DEBRA A. JANSSEN
JOHN D. PATTON, JR.
ONE STOP RESTORATION, LLC
DANIEL SERRANO AND DUBELSA SERRANO
DANIEL SERRANO AND DUBELSA SERRANO
RITHY KIM
RUBEN VALERO
PROPOSED RIGHT OF WAY (ROW)
PI 789+61.98
℄ SH 72
780+00
785+00
790+00
795+00
800+00
805+00
810+00
815+00
820+00
PC 778+86.69
PRC 784+24.33
S 78° 30′ 52.47″ W
PC 817+07.76
MICHAEL L. JOHNSON
EXISTING RIGHT OF WAY (ROW)
N
℄ SH 72
50′ (USUAL)
PROPOSED ROW
80′ (USUAL)
EXISTING ROW
PROPOSED ROW
EXIST ROW
60′
PROP PAVEMENT
10′
SHLDR
12′
EB LANE
4′
FLUSH MEDIAN
12′
TURN LANE
12′
WB LANE
10′
SHLDR
EXIST ROW
2%
2%
6:1
USUAL
4:1
USUAL
6:1
USUAL
4:1
USUAL
PROPOSED TYPICAL SECTION

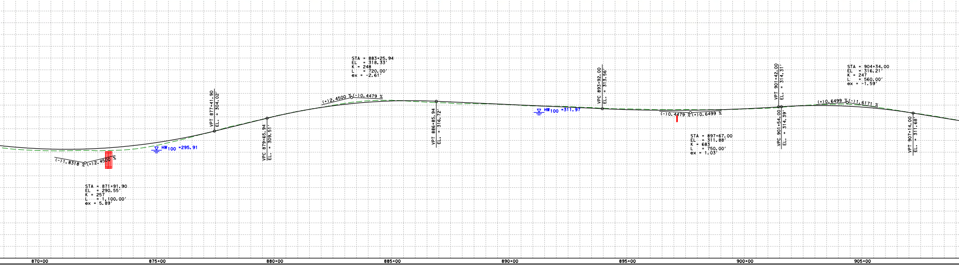

STA = 788+95.94
EL = 353.01′
K = 439
L = 1,760.00′
ex = -8.82′
(+)2.3457 % (-)1.6648 %
VPC 780+15.94
EL. = 332.37′
VPT 797+75.94
EL. = 338.36′
VPC 798+02.80
EL. = 337.92′
(-)1.6648 % (+)3.1145 %
HW$_{100}$ =329.50
STA = 802+42.80
EL = 330.59′
K = 184
L = 880.00′
ex = 5.26′
VPT 806+82.80
EL. = 344.29′
VPC 811+96.55
EL. = 360.30′
STA = 816+96.55
EL = 375.87′
K = 250
L = 1,000.00′
ex = -4.99′
(+)3.1145 % (-)0.8801 %
VPT 821+96.55
EL. = 371.47′
780+00
785+00
790+00
795+00
800+00
805+00
810+00
815+00
820+00

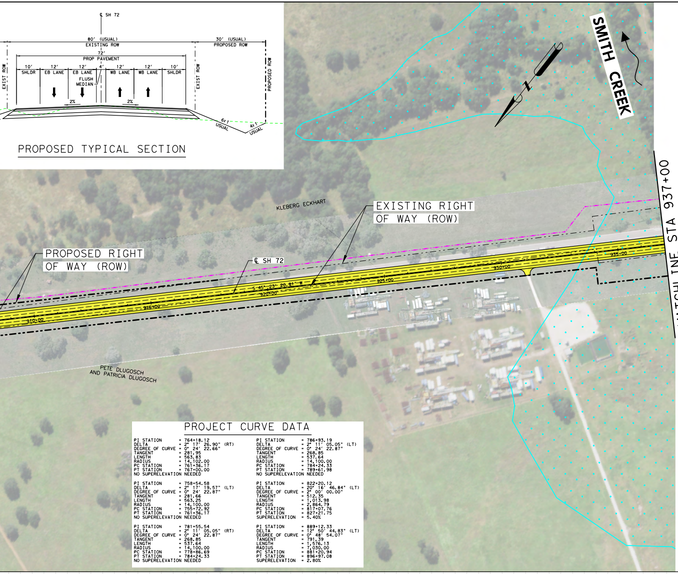

MATCHLINE STA 840+00
MATCHLINE STA 840+00
DAVID A. ANGERSTEIN AND REBEL L. ANGERSTEIN, SPOUSE
ROOMS ON THE GO
ROBERT EYHORN, JR.
BARRY GIPS AND RONNIE GIPS
STA 827+21.75
825+00
830+00
835+00
845+00
850+00
855+00
860+00
865+00
S 58° 14' 05.64" W
OLD NORDHEIM RD
FM 952
LOUIS STRIEBER
FROM ANNE GWOSDZ, EXECUTRIX E. W. GWOSDZ
MARGARET WITT NEBLETT
MARCIA ECKHARDT WITT
JIM AND BRENDA LANE
PROPOSED RIGHT OF WAY (ROW)
EXISTING RIGHT
8844 (2015)
SH 72
OLD NORDHEIM RD
8274 (2015)
SH 72
1734 (2014)
FM 952
HIGHEST AADT LINE DIAGRAM
SH 72 & FM 952
℄ SH 72
35' (USUAL)
PROPOSED ROW
80' (USUAL)
EXISTING ROW
25' (USUAL)
PROPOSED ROW
84'
PROP PAVEMENT
10'
SHLDR
12'
EB LANE
12'
EB LANE
4'
FLUSH MEDIAN
12'
TURN LANE
12'
WB LANE
12'
WB LANE
10'
SHLDR
PROPOSED ROW
EXIST ROW
EXIST ROW
PROPOSED ROW
2%
2%
4:1 USUAL
6:1 USUAL
6:1 USUAL
4:1 USUAL

PROPOSED TYPICAL SECTION




OF WAY (ROW)
25' (USUAL)
PROPOSED ROW
PROPOSED ROW
4:1
USUAL
6:1
USUAL
THE MARGARET WITT NEBLETT
THE MARCIA ECKHARDT WITT
PC 881+20.94
PT 896+97.08
870+00
875+00
880+00
885+00
890+00
895+00
900+00
905+00
72
TEXAS
JIM AND BRENDA LANE
JIM AND BRENDA LANE
BRENDA LANE


STA = 883+25.94
EL = 318.33'
K = 248
L = 720.00'
ex = -2.61'
(+)2.4500 %
(-)0.4479 %
VPT 877+41.90
EL. = 304.02'
VPC 879+65.94
EL. = 309.51'
VPT 886+85.94
EL. = 316.72'
HW100 =311.97
VPC 893+92.00
EL. = 313.56'
(-)0.4479 %
(+)0.6499 %
STA = 897+67.00
EL = 311.88'
K = 683
L = 750.00'
ex = 1.03'
VPT 901+42.00
EL. = 314.31'
VPC 901+54.00
EL. = 314.39'
STA = 904+34.00
EL = 316.21'
K = 247
L = 560.00'
ex = -1.59'
(+)0.6499 %
(-)1.6171 %
VPT 907+14.00
EL. = 311.68'
(-)1.8318 %
(+)2.4500 %
HW100 =295.91
STA = 871+91.90
EL = 290.55'
K = 257
L = 1,100.00'
ex = 5.89'
870+00
875+00
880+00
885+00
890+00
895+00
900+00
905+00


℄ SH 72
80′ (USUAL)
EXISTING ROW
30′ (USUAL)
PROPOSED ROW
72′
PROP PAVEMENT
10′
SHLDR
12′
EB LANE
12′
EB LANE
4′
FLUSH
MEDIAN
12′
WB LANE
12′
WB LANE
10′
SHLDR
EXIST ROW
EXIST ROW
PROPOSED ROW
2%
2%
6:1
USUAL
4:1
USUAL
SMITH CREEK
KLEBERG ECKHART
EXISTING RIGHT
OF WAY (ROW)
PROPOSED RIGHT
OF WAY (ROW)
℄ SH 72
S 45° 23′ 20.81″ W
910+00
915+00
920+00
925+00
930+00
935+00
MATCHLINE STA 937+00
PETE DLUGOSCH
AND PATRICIA DLUGOSCH

PROPOSED TYPICAL SECTION

PROJECT CURVE DATA

PI STATION = 764+18.12
DELTA = 2° 17′ 26.90″ (RT)
DEGREE OF CURVE = 0° 24′ 22.66″
TANGENT = 281.95
LENGTH = 563.83
RADIUS = 14,102.00
PC STATION = 761+36.17
PT STATION = 767+00.00
NO SUPERELEVATION NEEDED

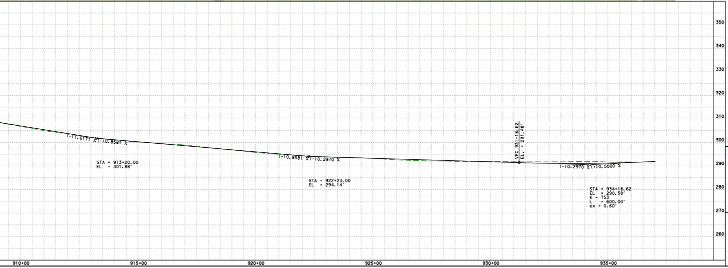
PI STATION = 758+54.58
DELTA = 2° 17′ 19.57″ (LT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 281.66
LENGTH = 563.25
RADIUS = 14,100.00
PC STATION = 755+72.92
PT STATION = 761+36.17
NO SUPERELEVATION NEEDED

PI STATION = 781+55.54
DELTA = 2° 11′ 05.05″ (RT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 268.85
LENGTH = 537.64
RADIUS = 14,100.00
PC STATION = 778+86.69
PT STATION = 784+24.33
NO SUPERELEVATION NEEDED

PI STATION = 786+93.19
DELTA = 2° 11′ 05.05″ (LT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 268.85
LENGTH = 537.64
RADIUS = 14,100.00
PC STATION = 784+24.33
PT STATION = 789+61.98
NO SUPERELEVATION NEEDED

PI STATION = 822+20.12
DELTA = 20° 16′ 46.84″ (LT)
DEGREE OF CURVE = 2° 00′ 00.00″
TANGENT = 512.35
LENGTH = 1,013.98
RADIUS = 2,864.79
PC STATION = 817+07.76
PT STATION = 827+21.75
SUPERELEVATION = 5.40%

PI STATION = 889+12.33
DELTA = 12° 50′ 44.83″ (LT)
DEGREE OF CURVE = 0° 48′ 54.07″
TANGENT = 791.39
LENGTH = 1,576.13
RADIUS = 7,030.00
PC STATION = 881+20.94
PT STATION = 896+97.08
SUPERELEVATION = 2.80%



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Texas Department of Transportation

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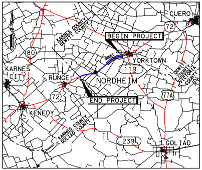
PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY
LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION,
PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700


CUERO
72
BEGIN PROJECT
KARNES COUNTY
DEWITT COUNTY
SHEET 1
YORKTOWN
80
KARNES
CITY
119
RUNGE
NORDHEIM
DEWITT COUNTY
VICTORIA COUNTY
72
END PROJECT
77A
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD

LOCATION MAP
N.T.S.

LEGEND

PROPOSED ROW	— · · — · · —
EXISTING ROW	— · — · —
EXISTING GAS PIPELINES	- · - GS-1-G -
TRAFFIC FLOW DIRECTION	➡
FEMA 100-YR FLOODPLAIN BOUNDARY	———
PARCEL BOUNDARY	———
PROPOSED BRIDGE	🟪
PROPOSED ROADWAY	🟨

PRELIMINARY
SUBJECT TO CHANGE

PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)	———
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE	— — — —
EXISTING CULVERT CROSSING	⬯ ▯
EXISTING OIL/GAS PIPELINE CROSSING	⬮

0 100 200
SCALE: 1″ = 200′ H
1″ = 20′ V

PGAL

TBPE REG.
NO. F-2742

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Houston, Texas 77042
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Fax (713) 968-9333

SH 72

SCHEMATIC LAYOUT

SHEET 1 OF 3

FILE NAME: R:\10031\78.001\WAT-SH72\04_DOCUMENTS\CADD\Sheets\041SCH_01.dgn
DATE: 4/23/2018

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Texas Department of Transportation

SH 72

CSJ: 0270-02-041

PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY

LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE

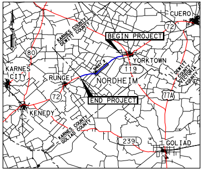
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION,
PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700


CUERO
72
BEGIN PROJECT
KARNES COUNTY
DEWITT COUNTY
80
YORKTOWN
119
KARNES CITY
RUNGE
NORDHEIM
DEWITT COUNTY
VICTORIA COUNTY
72
END PROJECT
77A
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD
N

LOCATION MAP
N.T.S.

LEGEND

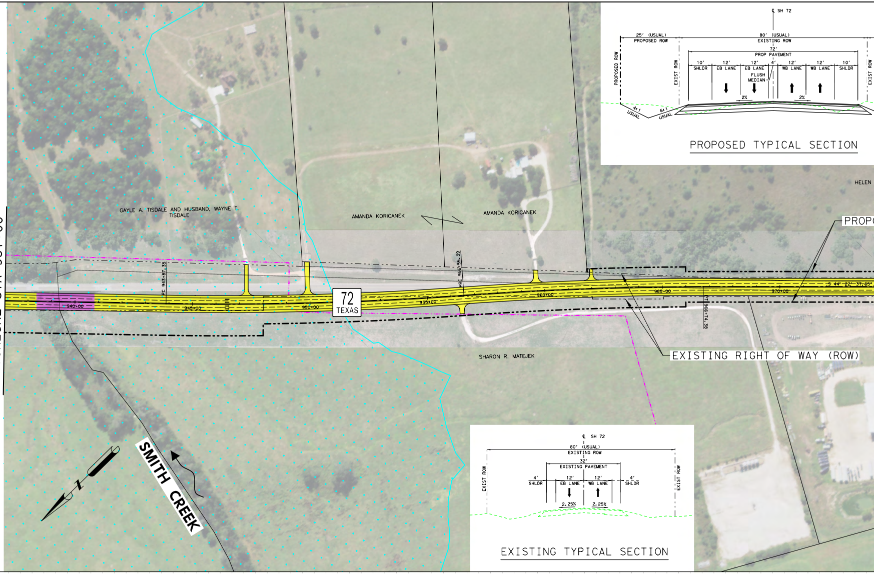
PROPOSED ROW	— · · — · · —
EXISTING ROW	— · — · —
EXISTING GAS PIPELINES	— · — G —
TRAFFIC FLOW DIRECTION	→
FEMA 100-YR FLOODPLAIN BOUNDARY	——
PARCEL BOUNDARY	——
PROPOSED BRIDGE	🟪
PROPOSED ROADWAY	🟨

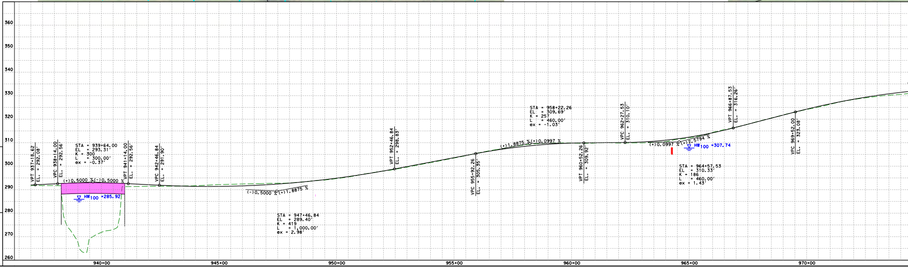
PRELIMINARY
SUBJECT TO CHANGE

PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)	——
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE	— — —
EXISTING CULVERT CROSSING	○ ▯
EXISTING OIL/GAS PIPELINE CROSSING	●

0 100 200
SCALE: 1" = 200' H
1" = 20' V


MATCHLINE STA 937+00
GAYLE A. TISDALE AND HUSBAND, WAYNE T. TISDALE
AMANDA KORICANEK
AMANDA KORICANEK
HELEN
PROPO
SHARON R. MATEJEK
PC 943+87.35
PRC 956+55.39
PT 966+74.38
940+00
945+00
950+00
955+00
960+00
965+00
970+00
S 44° 22' 37.65"
72
TEXAS
EXISTING RIGHT OF WAY (ROW)
SMITH CREEK
N
℄ SH 72
25' (USUAL)
PROPOSED ROW
80' (USUAL)
EXISTING ROW
72'
PROP PAVEMENT
10'
SHLDR
12'
EB LANE
12'
EB LANE
4'
FLUSH MEDIAN
12'
WB LANE
12'
WB LANE
10'
SHLDR
2%
2%
PROPOSED ROW
EXIST ROW
EXIST ROW
4:1 USUAL
6:1 USUAL
PROPOSED TYPICAL SECTION
℄ SH 72
80' (USUAL)
EXISTING ROW
32'
EXISTING PAVEMENT
4'
SHLDR
12'
EB LANE
12'
WB LANE
4'
SHLDR
2.25%
2.25%
EXIST ROW
EXIST ROW
EXISTING TYPICAL SECTION


360
350
340
330
320
310
300
290
280
270
260
VPT 937+18.62
EL. = 292.08'
VPC 938+14.00
EL. = 292.56'
STA = 939+64.00
EL = 293.31'
K = 300
L = 300.00'
ex = -0.37'
(+)0.5000 %
(-)0.5000 %
VPT 941+14.00
EL. = 292.56'
VPC 942+46.84
EL. = 291.90'
HW100 =285.92
(-)0.5000 %
(+)1.8875 %
STA = 947+46.84
EL = 289.40'
K = 419
L = 1,000.00'
ex = 2.98'
VPT 952+46.84
EL. = 298.83'
VPC 955+92.26
EL. = 305.35'
STA = 958+22.26
EL = 309.69'
K = 257
L = 460.00'
ex = -1.03'
(+)1.8875 %
(+)0.0997 %
VPT 960+52.26
EL. = 309.92'
VPC 962+27.53
EL. = 310.10'
(+)0.0997 %
(+)2.5794 %
HW100 =307.74
STA = 964+57.53
EL = 310.33'
K = 186
L = 460.00'
ex = 1.43'
VPT 966+87.53
EL. = 316.26'
VPC 969+52.00
EL. = 323.08'
940+00
945+00
950+00
955+00
960+00
965+00
970+00

PGAL

TBPE REG.
NO. F-2742

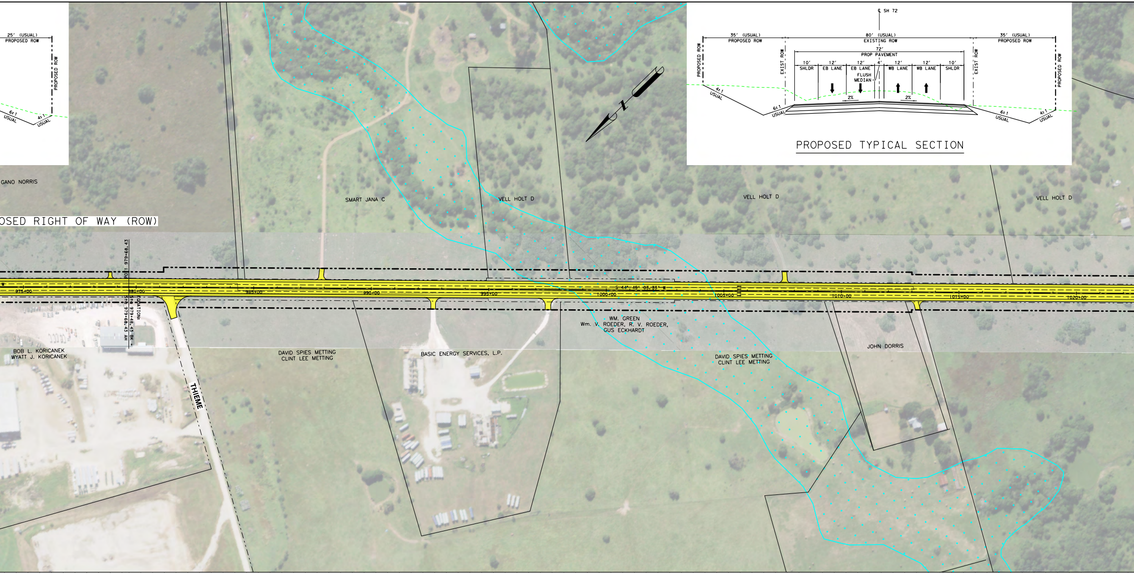
3131 BRIARPARK
Suite 200
Houston, Texas 77042
Phone (713) 622-1444
Fax (713) 968-9333

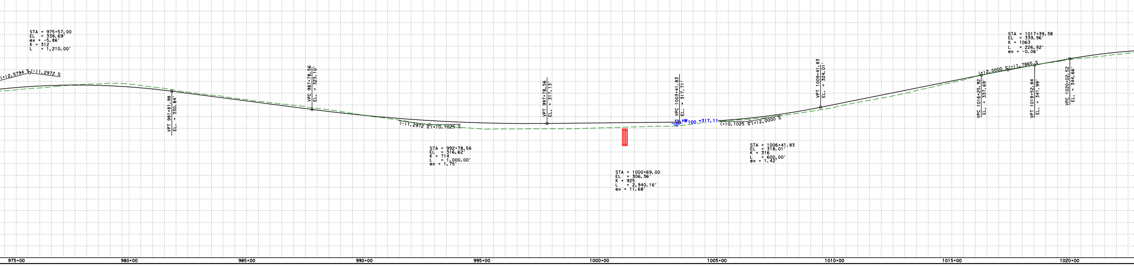
SH 72

SCHEMATIC LAYOUT

SHEET 2 OF 3

DATE: 4/23/2018
FILE NAME: R:\1003178.00\WA1-SH72\04 DOCUMENTS\CADD\Sheets\041SCH_02.dgn


25' (USUAL)
PROPOSED ROW
PROPOSED ROW
6:1
USUAL
4:1
USUAL
℄ SH 72
35' (USUAL)
PROPOSED ROW
80' (USUAL)
EXISTING ROW
35' (USUAL)
PROPOSED ROW
PROPOSED ROW
EXIST ROW
72'
PROP PAVEMENT
10'
SHLDR
12'
EB LANE
12'
EB LANE
4'
FLUSH
MEDIAN
12'
WB LANE
12'
WB LANE
10'
SHLDR
EXIST ROW
PROPOSED ROW
2%
2%
4:1
USUAL
6:1
USUAL
6:1
USUAL
4:1
USUAL
PROPOSED TYPICAL SECTION
N
GANO NORRIS
OSED RIGHT OF WAY (ROW)
SMART JANA C
VELL HOLT D
VELL HOLT D
VELL HOLT D
POI 979+68.43
975+00
980+00
985+00
990+00
995+00
1000+00
S 44° 46' 03.33" W
1005+00
1010+00
1015+00
1020+00
EQUATION:
STA 979+48.43 BK =
STA 979+68.43 AH
BOB L. KORICANEK
WYATT J. KORICANEK
THIEME
DAVID SPIES METTING
CLINT LEE METTING
BASIC ENERGY SERVICES, L.P.
WM. GREEN
Wm. V. ROEDER, R. V. ROEDER,
GUS ECKHARDT
DAVID SPIES METTING
CLINT LEE METTING
JOHN DORRIS


STA = 975+57.00
EL = 338.69'
ex = -5.86'
K = 312
L = 1,210.00'
(+)2.5794 %
(-)1.2972 %
VPT 981+81.98
EL. = 330.84'
VPC 987+78.56
EL. = 323.10'
(-)1.2972 %
(+)0.1025 %
STA = 992+78.56
EL = 316.62'
K = 714
L = 1,000.00'
ex = 1.75'
VPT 997+78.56
EL. = 317.13'
STA = 1000+69.00
EL = 306.36'
K = 925
L = 2,940.16'
ex = 11.68'
VPC 1003+41.83
EL. = 317.71'
HW100 =317.11
(+)0.1025 %
(+)2.0000 %
STA = 1006+41.83
EL = 318.01'
K = 316
L = 600.00'
ex = 1.42'
VPT 1009+41.83
EL. = 324.01'
VPC 1016+25.92
EL. = 337.69'
(+)2.0000 %
(+)1.7865 %
STA = 1017+39.38
EL = 339.96'
K = 1063
L = 226.92'
ex = -0.06'
VPT 1018+52.84
EL. = 341.99'
VPC 1020+02.52
EL. = 344.66'
975+00
980+00
985+00
990+00
995+00
1000+00
1005+00
1010+00
1015+00
1020+00

PROJECT CURVE DATA

PI STATION = 950+21.79
DELTA = 5° 09′ 09.75″ (LT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 634.45
LENGTH = 1,268.04
RADIUS = 14,100.00
PC STATION = 943+87.35
PT STATION = 956+55.39
NO SUPERELEVATION NEEDED

PI STATION = 961+65.11
DELTA = 4° 08′ 26.59″ (RT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 509.72
LENGTH = 1,019.00
RADIUS = 14,100.00
PC STATION = 956+55.39
PT STATION = 966+74.38
NO SUPERELEVATION NEEDED

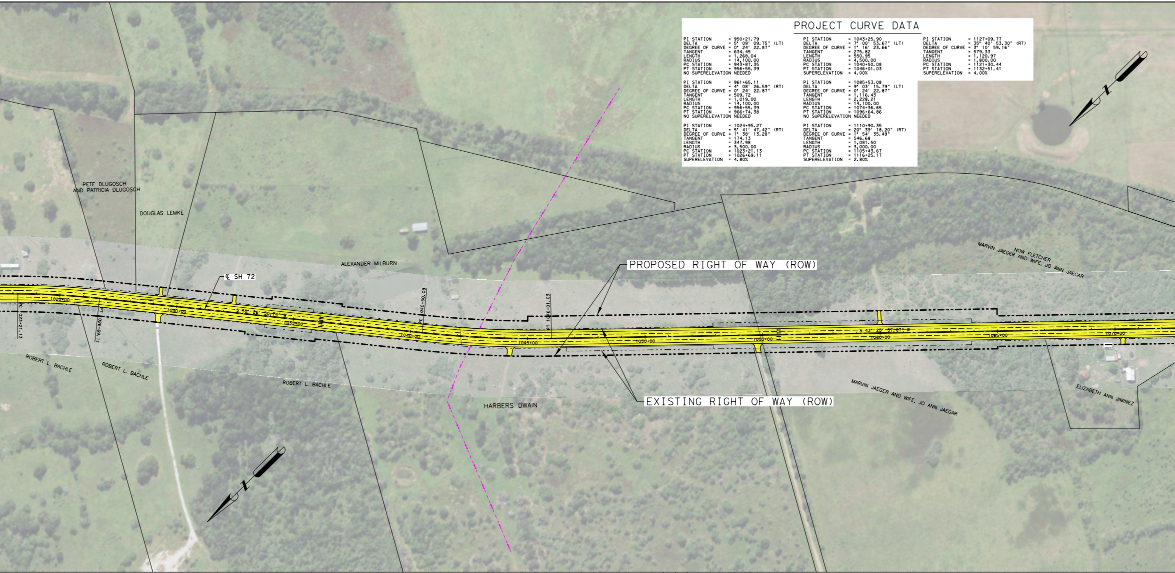
PI STATION = 1024+95.27
DELTA = 5° 41′ 47.42″ (RT)
DEGREE OF CURVE = 1° 38′ 13.28″
TANGENT = 174.13
LENGTH = 347.98
RADIUS = 3,500.00
PC STATION = 1023+21.13
PT STATION = 1026+69.11
SUPERELEVATION = 4.80%

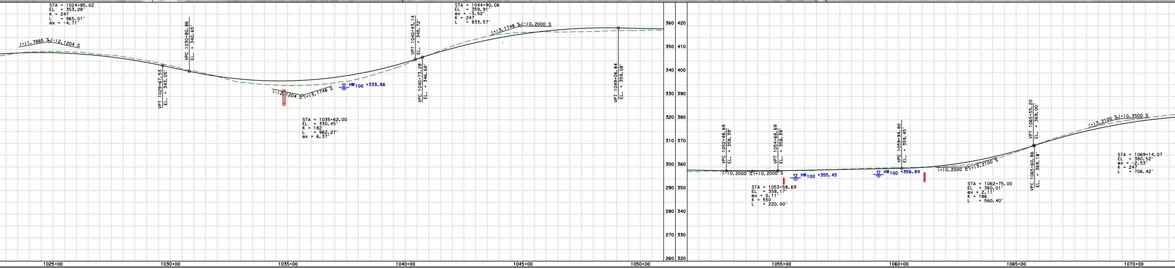
PI STATION = 1043+25.90
DELTA = 7° 00′ 53.67″ (LT)
DEGREE OF CURVE = 1° 16′ 23.66″
TANGENT = 275.82
LENGTH = 550.95
RADIUS = 4,500.00
PC STATION = 1040+50.08
PT STATION = 1046+01.03
SUPERELEVATION = 4.00%

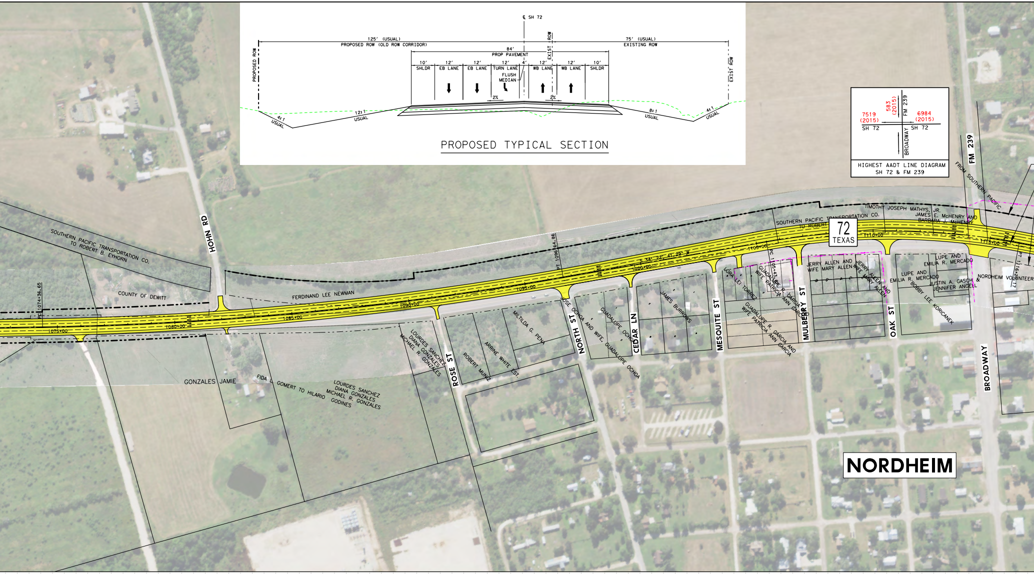
PI STATION = 1085+53.08
DELTA = 9° 03′ 15.79″ (LT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 1,116.43
LENGTH = 2,228.21
RADIUS = 14,100.00
PC STATION = 1074+36.65
PT STATION = 1096+64.86
NO SUPERELEVATION NEEDED

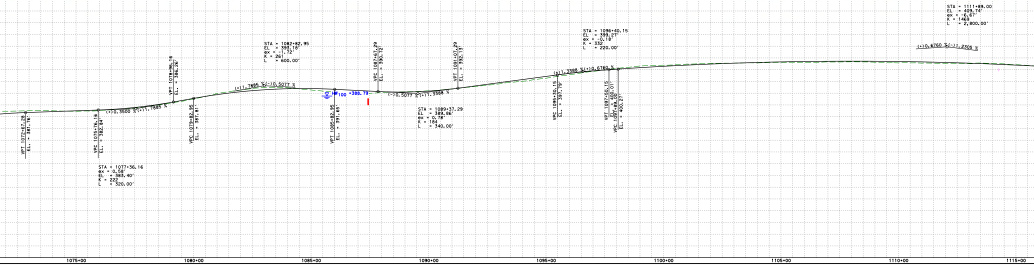
PI STATION = 1110+90.35
DELTA = 20° 39′ 18.20″ (RT)
DEGREE OF CURVE = 1° 54′ 35.49″
TANGENT = 546.68
LENGTH = 1,081.50
RADIUS = 3,000.00
PC STATION = 1105+43.67
PT STATION = 1116+25.17
SUPERELEVATION = 2.80%

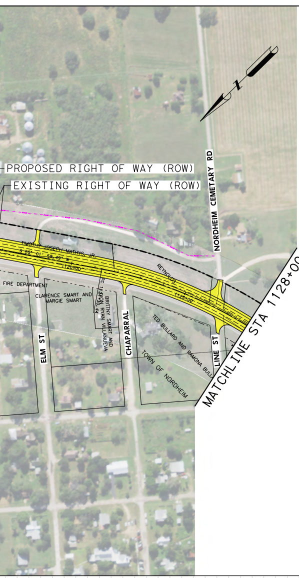
PI STATION = 1127+09.77
DELTA = 35° 40′ 53.30″ (RT)
DEGREE OF CURVE = 3° 10′ 59.16″
TANGENT = 579.33
LENGTH = 1,120.97
RADIUS = 1,800.00
PC STATION = 1121+30.44
PT STATION = 1132+51.41
SUPERELEVATION = 4.00%


PETE DLUGOSCH
AND PATRICIA DLUGOSCH
DOUGLAS LEMKE
ALEXANDER MILBURN
℄ SH 72
PROPOSED RIGHT OF WAY (ROW)
NOW FLETCHER
MARVIN JAEGER AND WIFE, JO ANN JAEGAR
1025+00
PC 1023+21.13
PT 1026+69.11
1030+00
S 50° 26′ 50.74″ W
1035+00
PC 1040+50.08
1040+00
PT 1046+01.03
1045+00
1050+00
1055+00
S 43° 25′ 57.07″ W
1060+00
1065+00
1070+00
ROBERT L. BACHLE
ROBERT L. BACHLE
ROBERT L. BACHLE
HARBERS DWAIN
EXISTING RIGHT OF WAY (ROW)
MARVIN JAEGER AND WIFE, JO ANN JAEGAR
ELIZABETH ANN JIMINEZ
N
N


STA = 1024+85.02
EL = 353.28′
K = 247
L = 965.01′
ex = -4.71′
(+)1.7865 %
(-)2.1204 %
VPT 1029+67.53
EL. = 343.05′
VPC 1030+80.86
EL. = 340.65′
(-)2.1204 %
(+)3.1748 %
HW100 =333.86
STA = 1035+62.00
EL = 330.45′
K = 182
L = 962.27′
ex = 6.37′
VPT 1040+43.14
EL. = 345.72′
VPC 1040+73.28
EL. = 346.68′
STA = 1044+90.06
EL = 359.91′
ex = -3.52′
K = 247
L = 833.57′
(+)3.1748 %
(-)0.2000 %
VPT 1049+06.84
EL. = 359.08′
360 420
350 410
340 400
330 390
320 380
310 370
300 360
290 350
280 340
270 330
260 320
VPC 1052+48.69
EL. = 358.39′
(-)0.2000 %
(+)0.2000 %
VPT 1054+68.69
EL. = 358.39′
HW100 =355.45
STA = 1053+58.69
EL = 358.17′
ex = 0.11′
K = 550
L = 220.00′
VPC 1059+94.80
EL. = 359.45′
HW100 =356.84
(+)0.2000 %
(+)3.2100 %
STA = 1062+75.00
EL = 360.01′
ex = 2.11′
K = 186
L = 560.40′
VPT 1065+55.20
EL. = 369.00′
VPC 1065+60.86
EL. = 369.18′
(+)3.2100 %
(+)0.3500 %
STA = 1069+14.07
EL = 380.52′
ex = -2.53′
K = 247
L = 706.42′
1025+00
1030+00
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00


PROPOSED TYPICAL SECTION
℄ SH 72
125' (USUAL)
PROPOSED ROW (OLD ROW CORRIDOR)
75' (USUAL)
EXISTING ROW
PROPOSED ROW
EXIST ROW
EXIST ROW
84'
PROP PAVEMENT
10'
SHLDR
12'
EB LANE
12'
EB LANE
12'
TURN LANE
4'
FLUSH MEDIAN
12'
WB LANE
12'
WB LANE
10'
SHLDR
2%
2%
4:1 USUAL
12:1 USUAL
8:1 USUAL
4:1 USUAL
HIGHEST AADT LINE DIAGRAM
SH 72 & FM 239
7519 (2015)
583 (2015)
6984 (2015)
SH 72
SH 72
FM 239
BROADWAY
SOUTHERN PACIFIC TRANSPORTATION CO. TO ROBERT B. EYHORN
COUNTY OF DEWITT
HOHN RD
PC 1074+36.65
1075+00
1080+00
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00
1115+00
PT 1096+64.86
S 34° 22' 41.29" W
PC 1105+43.86
PT 1116+29.17
FERDINAND LEE NEWMAN
GONZALES JAMIE
FIDA L. GOMERT TO HILARIO GODINES
LOURDES SANCHEZ DIANA GONZALES MICHAEL R. GONZALES
LOURDES SANCHEZ DIANA GONZALES MICHAEL R. GONZALES
ROSE ST
ROBERT MUNIZ
ARRINE WHITE EST.
MILTILDA G. PENA
NORTH ST
JOSE OCHOA AND WIFE, GUADALUPE OCHOA
GUADALUPE OCHOA
CEDAR LN
JAMES BURROWS
MESQUITE ST
LORA LEI TORREZ
GUADALUPE R. GARCIA AND WIFE PATRICIA ANN GARCIA
GUADALUPE R. GARCIA AND WIFE PATRICIA ANN GARCIA
MULBERRY ST
JERRY ALLEN AND WIFE MARY ALLEN
JERRY ALLEN AND WIFE MARY ALLEN
OAK ST
SOUTHERN PACIFIC TRANSPORTATION CO. TO ROBERT
72 TEXAS
TIMOTHY JOSEPH MATHYS, JR.
JAMES E. McHENRY AND BARBARA J. McHENRY
LUPE AND EMILIA R. MERCADO
LUPE AND EMILIA R. MERCADO
JUSTIN A. GASCH & JENNIFER ANGELL
BOBBY LEE KORICANEK
NORDHEIM VOLUNTEER
FM 239
FROM SOUTHERN PACIFIC
BROADWAY
NORDHEIM


VPT 1072+67.28 EL. = 381.76'
VPC 1075+76.16 EL. = 382.84'
(+)0.3500 % (+)1.7885 %
STA = 1077+36.16
ex = 0.58'
EL = 383.40'
K = 222
L = 320.00'
VPT 1078+96.16 EL. = 386.26'
VPC 1079+82.95 EL. = 387.81'
(+)1.7885 % (-)0.5077 %
STA = 1082+82.95
EL = 393.18'
ex = -1.72'
K = 261
L = 600.00'
VPT 1085+82.95 EL. = 391.65'
HW100 =388.79
VPC 1087+67.29 EL. = 390.72'
(-)0.5077 % (+)1.3388 %
STA = 1089+37.29
EL = 389.86'
ex = 0.78'
K = 184
L = 340.00'
VPT 1091+07.29 EL. = 392.13'
VPC 1095+30.15 EL. = 397.79'
(+)1.3388 % (+)0.6760 %
STA = 1096+40.15
EL = 399.27'
ex = -0.18'
K = 332
L = 220.00'
VPT 1097+50.15 EL. = 400.01'
VPC 1097+89.00 EL. = 400.27'
(+)0.6760 % (-)1.2305 %
STA = 1111+89.00
EL = 409.74'
ex = -6.67'
K = 1469
L = 2,800.00'
1075+00
1080+00
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00
1115+00


N
PROPOSED RIGHT OF WAY (ROW)
EXISTING RIGHT OF WAY (ROW)
NORDHEIM CEMETARY RD
TIMOTHY JOSEPH MATHYS, JR.
S 55° 01' 59.49" W
1120+00
REYNOLDS
1125+00
FIRE DEPARTMENT
CLARENCE SMART AND MARGIE SMART
PC 1120+30.44
BRITTNY SMART AND JON RYAN VILLANUEVA
ELM ST
CHAPARRAL
TED BULLARD AND RAMONA BULL
TOWN OF NORDHEIM
LINE ST
MATCHLINE STA 1128+00

©2018

Texas Department of Transportation

SH 72

CSJ: 0270-02-041

PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY

LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE

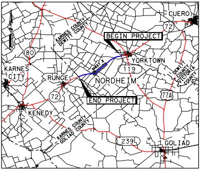
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION, PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700

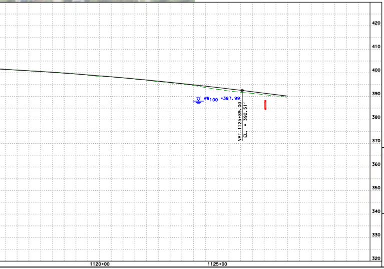

CUERO
72
KARNES COUNTY
DEWITT COUNTY
BEGIN PROJECT
80
YORKTOWN
KARNES CITY
RUNGE
SHEET 2
119
NORDHEIM
72
END PROJECT
77A
DEWITT COUNTY
VICTORIA COUNTY
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD

LOCATION MAP
N.T.S.

LEGEND

PROPOSED ROW	— · — · — · —
EXISTING ROW	— — — — —
EXISTING GAS PIPELINES	— · — GS-1-0 —
TRAFFIC FLOW DIRECTION	➡
FEMA 100-YR FLOODPLAIN BOUNDARY	———
PARCEL BOUNDARY	———
PROPOSED BRIDGE	🟪
PROPOSED ROADWAY	🟨

PRELIMINARY
SUBJECT TO CHANGE



PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)	———
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE	— — — —
EXISTING CULVERT CROSSING	⬯ ▯
EXISTING OIL/GAS PIPELINE CROSSING	⬮

0 100 200
SCALE: 1" = 200' H
1" = 20' V

PGAL

TBPE REG.
NO. F-2742

3131 BRIARPARK
Suite 200
Houston, Texas 77042
Phone (713) 622-1444
Fax (713) 968-9333

SH 72

SCHEMATIC LAYOUT

SHEET 2 OF 3

FILE NAME: R:\1003178.00\WA1-SH72\04_DOCUMENTS\CADD\Sheets\041SCH_02.dgn
DATE: 4/23/2018

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SH 72

CSJ: 0270-02-041

PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY

LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE

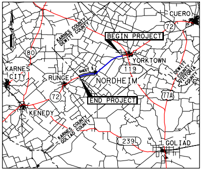
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION,
PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700

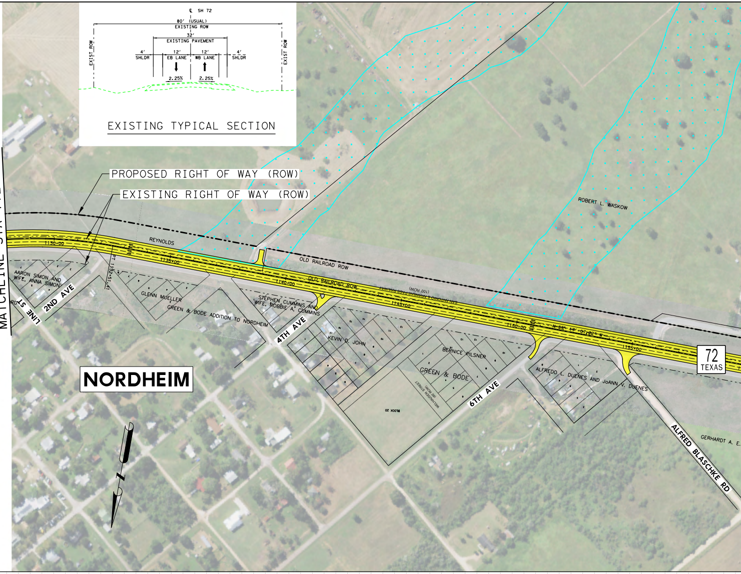

CUERO
72
BEGIN PROJECT
KARNES COUNTY
DEWITT COUNTY
YORKTOWN
80
119
KARNES CITY
RUNGE
NORDHEIM
DEWITT COUNTY
VICTORIA COUNTY
72
77A
END PROJECT
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD

LOCATION MAP
N.T.S.

LEGEND

PROPOSED ROW	— · — · —
EXISTING ROW	— - — - —
EXISTING GAS PIPELINES	— · · — G —
TRAFFIC FLOW DIRECTION	➡
FEMA 100-YR FLOODPLAIN BOUNDARY	——
PARCEL BOUNDARY	——
PROPOSED BRIDGE	🟪
PROPOSED ROADWAY	🟨

PRELIMINARY
SUBJECT TO CHANGE

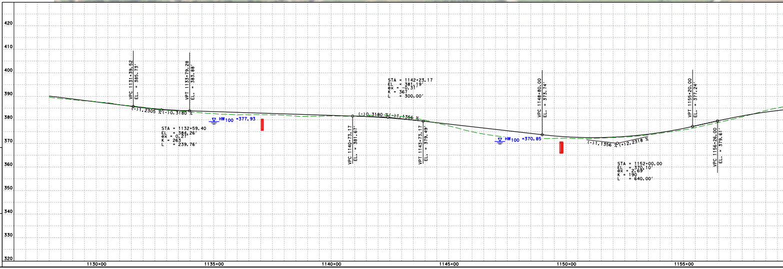

℄ SH 72
80' (USUAL)
EXISTING ROW
32'
EXISTING PAVEMENT
EXIST ROW
4' SHLDR
12' EB LANE
12' WB LANE
4' SHLDR
EXIST ROW
2.25%
2.25%
PROPOSED RIGHT OF WAY (ROW)
EXISTING RIGHT OF WAY (ROW)
MATCHLINE STA 1128+00
1130+00
REYNOLDS
1135+00
PT 1132+51.41
OLD RAILROAD ROW
1140+00
OLD RAILROAD ROW
SAN ANTONIO & ARANSAS PASS RAILWAY
(100' ROW)
1145+00
1150+00
N 89° 17' 07.22" W
1155+00
72
TEXAS
ROBERT L. WASKOW
AARON SIMON AND WIFE, ANNA SIMON
LINE ST
2ND AVE
GLENN MUELLER
GREEN & BODE ADDITION TO NORDHEIM
STEPHEN CUMMINS AND WIFE, ROBBIE A. CUMMINS
4TH AVE
KEVIN D. JOHN
BERNICE PILSNER
GREEN & BODE
WELHAUSEN STREET (60' ROW)
BLOCK 20
6TH AVE
ALFREDO L. DUENES AND JoANN V. DUENES
ALFRED BLASCHKE RD
GERHARDT A. E.
NORDHEIM

EXISTING TYPICAL SECTION

PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)	——
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE	– – – –
EXISTING CULVERT CROSSING	⬯ ▯
EXISTING OIL/GAS PIPELINE CROSSING	●

0 100 200
SCALE: 1" = 200' H
1" = 20' V



PGAL

TBPE REG.
NO. F-2742

3131 BRIARPARK
Suite 200
Houston, Texas 77042
Phone (713) 622-1444
Fax (713) 968-9333

SH 72

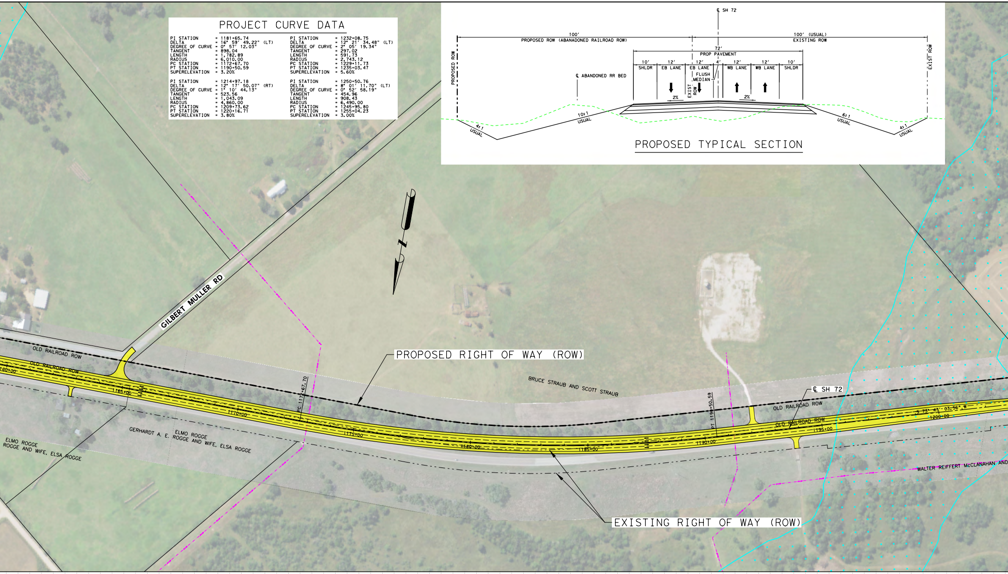
SCHEMATIC LAYOUT

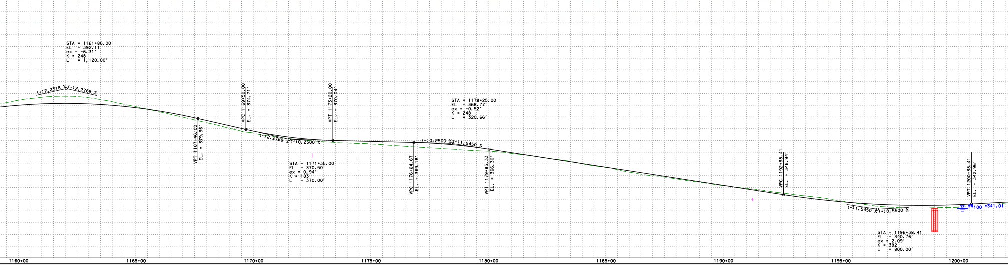
SHEET 3 OF 3

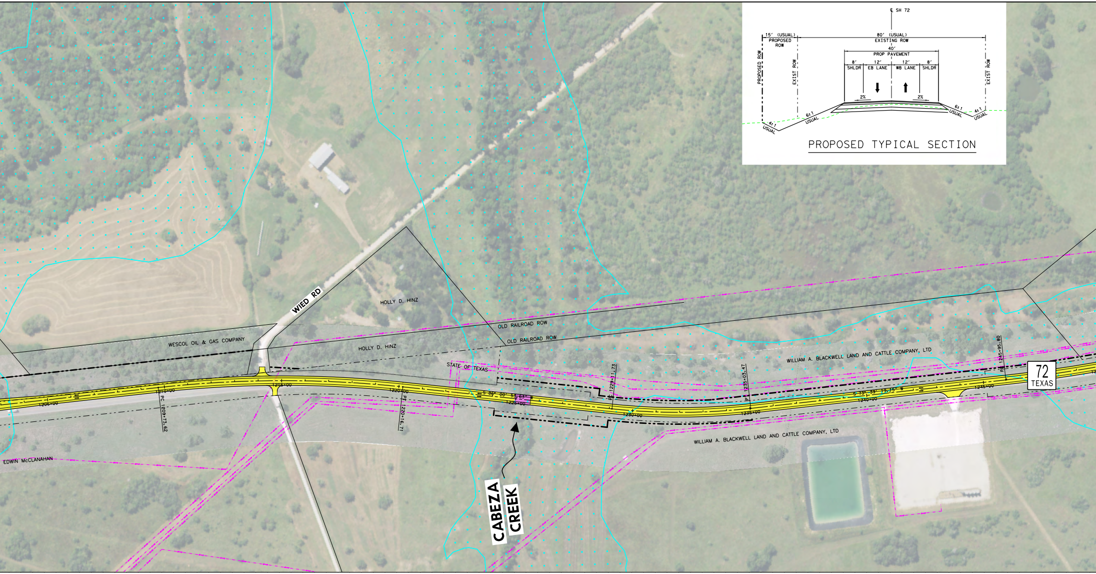
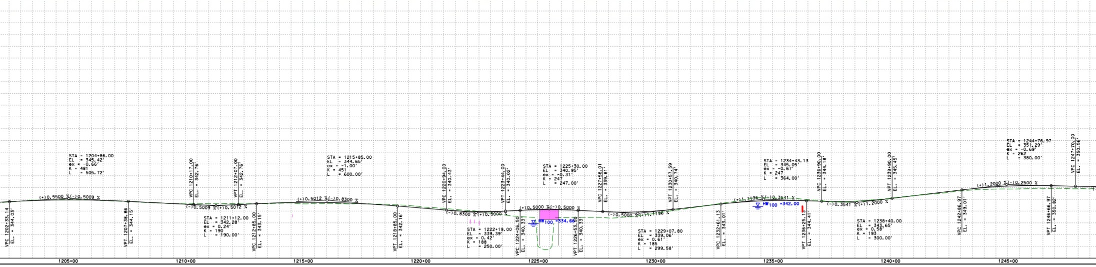
DATE: 4/23/2018
FILE NAME: R:\3003178.00\WA1-SH72\04_DOCUMENTS\CADD\Sheets\041SCH_03.dgn

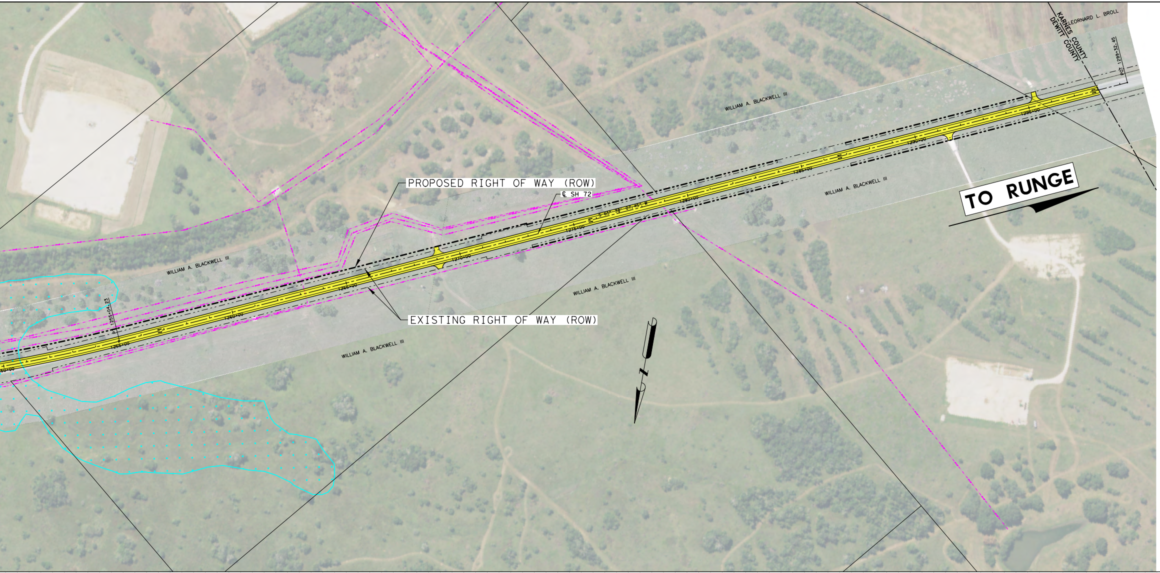
PROJECT CURVE DATA

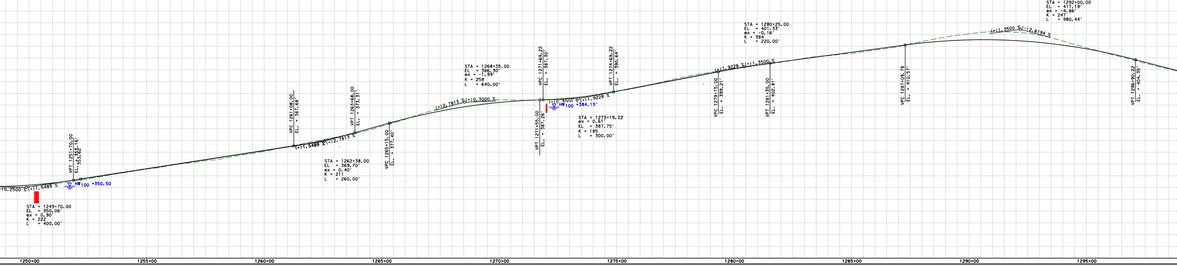
PI STATION	= 1181+65.74	PI STATION	= 1232+08.75
DELTA	= 16° 59′ 49.22" (LT)	DELTA	= 12° 21′ 34.48" (LT)
DEGREE OF CURVE	= 0° 57′ 12.03"	DEGREE OF CURVE	= 2° 05′ 19.34"
TANGENT	= 898.04	TANGENT	= 297.02
LENGTH	= 1,782.89	LENGTH	= 591.73
RADIUS	= 6,010.00	RADIUS	= 2,743.12
PC STATION	= 1172+67.70	PC STATION	= 1229+11.73
PT STATION	= 1190+50.59	PT STATION	= 1235+03.47
SUPERELEVATION	= 3.20%	SUPERELEVATION	= 5.60%
PI STATION	= 1214+97.18	PI STATION	= 1250+50.76
DELTA	= 12° 17′ 50.07" (RT)	DELTA	= 8° 01′ 11.70" (LT)
DEGREE OF CURVE	= 1° 10′ 44.13"	DEGREE OF CURVE	= 0° 52′ 58.19"
TANGENT	= 523.56	TANGENT	= 454.96
LENGTH	= 1,043.09	LENGTH	= 908.43
RADIUS	= 4,860.00	RADIUS	= 6,490.00
PC STATION	= 1209+73.62	PC STATION	= 1245+95.80
PT STATION	= 1220+16.71	PT STATION	= 1255+04.23
SUPERELEVATION	= 3.80%	SUPERELEVATION	= 3.00%


℄ SH 72
100′
PROPOSED ROW (ABANADONED RAILROAD ROW)
100′ (USUAL)
EXISTING ROW
PROPOSED ROW
EXIST ROW
72′
PROP PAVEMENT
10′
SHLDR
12′
EB LANE
12′
EB LANE
4′
FLUSH MEDIAN
12′
WB LANE
12′
WB LANE
10′
SHLDR
℄ ABANDONED RR BED
EXIST ROW
2%
2%
4:1 USUAL
10:1 USUAL
6:1 USUAL
4:1 USUAL
PROPOSED TYPICAL SECTION
GILBERT MULLER RD
OLD RAILROAD ROW
OLD RAILROAD ROW
1160+00
1165+00
1170+00
1175+00
1180+00
1185+00
1190+00
1195+00
1200+00
PC 1172+67.70
PT 1190+50.59
PROPOSED RIGHT OF WAY (ROW)
BRUCE STRAUB AND SCOTT STRAUB
℄ SH 72
OLD RAILROAD ROW
OLD RAILROAD ROW
S 73° 43′ 03.56" W
GERHARDT A. E. ROGGE
ELMO ROGGE ROGGE AND WIFE, ELSA ROGGE
ELMO ROGGE ROGGE AND WIFE, ELSA ROGGE
WALTER REIFFERT McCLANAHAN AND
EXISTING RIGHT OF WAY (ROW)




℄ SH 72
15' (USUAL)
PROPOSED ROW
80' (USUAL)
EXISTING ROW
40'
PROP PAVEMENT
8'
SHLDR
12'
EB LANE
12'
WB LANE
8'
SHLDR
PROPOSED ROW
EXIST ROW
EXIST ROW
2%
2%
6:1 USUAL
4:1 USUAL
6:1 USUAL
4:1 USUAL
PROPOSED TYPICAL SECTION
WIED RD
HOLLY D. HINZ
WESCOL OIL & GAS COMPANY
HOLLY D. HINZ
OLD RAILROAD ROW
OLD RAILROAD ROW
STATE OF TEXAS
WILLIAM A. BLACKWELL LAND AND CATTLE COMPANY, LTD
WILLIAM A. BLACKWELL LAND AND CATTLE COMPANY, LTD
EDWIN McCLANAHAN
CABEZA CREEK
72 TEXAS
1205+00
1210+00
1215+00
1220+00
1225+00
1230+00
1235+00
1240+00
1245+00
PC 1209+73.62
PT 1220+16.71
PC 1229+11.73
PT 1235+03.47
PC 1245+95.80
S 86° 00' 53.63" W
S 73° 39' 19.15" W

STA = 1204+86.00
EL = 345.42'
ex = -0.66'
K = 481
L = 505.72'
STA = 1211+12.00
EL = 342.28'
ex = 0.24'
K = 190
L = 190.00'
STA = 1215+85.00
EL = 344.65'
ex = -1.00'
K = 451
L = 600.00'
STA = 1222+19.00
EL = 339.39'
ex = 0.42'
K = 188
L = 250.00'
STA = 1225+30.00
EL = 340.95'
ex = -0.31'
K = 247
L = 247.00'
STA = 1229+07.80
EL = 339.06'
ex = 0.61'
K = 185
L = 299.58'
STA = 1234+43.13
EL = 345.05'
ex = -0.67'
K = 247
L = 364.00'
STA = 1238+40.00
EL = 343.65'
ex = 0.58'
K = 193
L = 300.00'
STA = 1244+76.97
EL = 351.29'
ex = -0.69'
K = 262
L = 380.00'
VPC 1202+33.14 EL. = 344.03'
VPT 1207+38.86 EL. = 344.15'
VPC 1210+17.00 EL. = 342.76'
VPT 1212+07.00 EL. = 342.76'
VPC 1212+85.00 EL. = 343.15'
VPT 1218+85.00 EL. = 342.16'
VPC 1220+94.00 EL. = 340.43'
VPT 1223+44.00 EL. = 340.02'
VPC 1224+06.50 EL. = 340.33'
VPT 1226+53.50 EL. = 340.33'
VPC 1227+58.01 EL. = 339.81'
VPT 1230+57.59 EL. = 340.74'
VPC 1232+61.13 EL. = 343.01'
VPT 1236+25.13 EL. = 344.41'
VPC 1236+90.00 EL. = 344.18'
VPT 1239+90.00 EL. = 345.45'
VPC 1242+86.97 EL. = 349.01'
VPT 1246+66.97 EL. = 350.82'
VPC 1247+70.00 EL. = 350.56'
(+)0.5500 %
(-)0.5009 %
(-)0.5009 %
(+)0.5012 %
(+)0.5012 %
(-)0.8300 %
(-)0.8300 %
(+)0.5000 %
(+)0.5000 %
(-)0.5000 %
(-)0.5000 %
(+)1.1196 %
(+)1.1196 %
(-)0.3541 %
(-)0.3541 %
(+)1.2000 %
(+)1.2000 %
(-)0.2500 %
HW100 =334.66
HW100 =342.00
1205+00
1210+00
1215+00
1220+00
1225+00
1230+00
1235+00
1240+00
1245+00


PROPOSED RIGHT OF WAY (ROW)
EXISTING RIGHT OF WAY (ROW)
℄ SH 72
S 65° 30' 07.45" W
TO RUNGE
KARNES COUNTY
DEWITT COUNTY
LEORNARD L. BROLL
POT 1299+32.45
WILLIAM A. BLACKWELL III
WILLIAM A. BLACKWELL III
WILLIAM A. BLACKWELL III
WILLIAM A. BLACKWELL III
WILLIAM A. BLACKWELL III
1253+04.23
1255+00
1260+00
1265+00
1270+00
1275+00
1280+00
1285+00
1290+00
1295+00



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Texas Department of Transportation

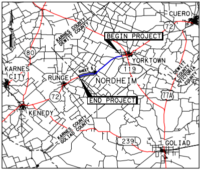
SH 72
CSJ: 0270-02-041
PRELIMINARY DESIGN SCHEMATIC
DEWITT COUNTY
LIMITS: 0.25 MILES EAST OF FM 2980
TO KARNES COUNTY LINE
PROJECT LENGTH: 10.27 MILES

YOAKUM DISTRICT

YOAKUM DISTRICT ENGINEER

DIRECTOR OF TRANSPORTATION,
PLANNING & DEVELOPMENT

DESGIN SPEED	FUNCTIONAL CLASS	ADT SH 72
70 MPH	MINOR ARTERIAL	2021 ▪ 11,500
50 MPH (IN NORDHEIM AT 4% SUPER)		2041 ▪ 18,700


CUERO
72
BEGIN PROJECT
KARNES COUNTY
DEWITT COUNTY
80
YORKTOWN
KARNES CITY
RUNGE
SHEET 3
119
NORDHEIM
DEWITT COUNTY
VICTORIA COUNTY
72
END PROJECT
77A
KENEDY
KARNES COUNTY
GOLIAD COUNTY
239
GOLIAD

LOCATION MAP
N.T.S.

LEGEND

PROPOSED ROW
EXISTING ROW
EXISTING GAS PIPELINES
TRAFFIC FLOW DIRECTION ➡
FEMA 100-YR FLOODPLAIN BOUNDARY
PARCEL BOUNDARY

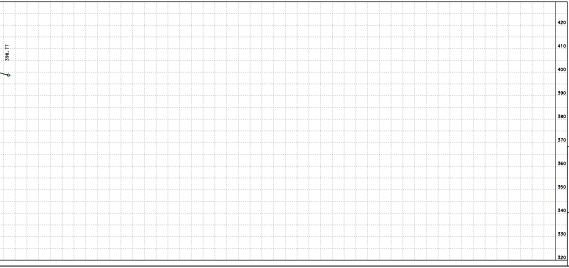
PROPOSED BRIDGE 🟪

PROPOSED ROADWAY 🟨

PRELIMINARY
SUBJECT TO CHANGE

PROFILE LEGEND

PROPOSED SH 72 PROFILE GRADE LINE (PGL)
EXISTING NATURAL GROUND AT EXISTING SH 72 CENTERLINE
EXISTING CULVERT CROSSING
EXISTING OIL/GAS PIPELINE CROSSING


398.77
420
410
400
390
380
370
360
350
340
330
320

0 100 200
SCALE: 1" = 200' H
1" = 20' V

PGAL

TBPE REG.
NO. F-2742

3131 BRIARPARK
Suite 200
Houston, Texas 77042
Phone (713) 622-1444
Fax (713) 968-9333

SH 72

SCHEMATIC LAYOUT

SHEET 3 OF 3