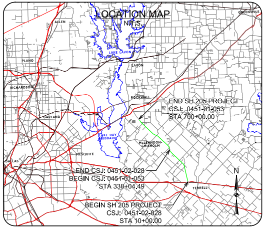
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

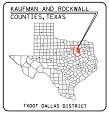
SH 205 DESIGN SCHEMATIC
FROM US 80 TO JCT SH 205/JOHN KING (S GOLIAD ST)
KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
CSJ'S: 0451-01-053, 0451-02-028

APPROVED SCHEMATIC
JULY 3, 2018

JULY 2018
ROLL 8 OF 9

PROJECT LENGTH:	13.07 MILES
FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
AVERAGE DAILY TRAFFIC:	33,100 (2014) 53,200 (2034)
DESIGN SPEEDS:	
SH 205:	45 MPH
CROSS STREETS:	30 MPH


LOCATION MAP
N.T.S.
ALLEN
GREENVILLE
LAKE LAVON
PLANO
LAVON
RICHARDSON
ROCKWALL
GARLAND
LAKE RAY HUBBARD
MCLENNDON-CHISHOLM
MESQUITE
DALLAS
TERRELL
N
END SH 205 PROJECT
CSJ: 0451-01-053
STA 700+00.00
END CSJ: 0451-02-028
BEGIN CSJ: 0451-01-053
STA 338+04.49
BEGIN SH 205 PROJECT
CSJ: 0451-02-028
STA 10+00.00


KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

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NAME	P.E. NO.	DATE
JEREMY W. MCGAHAN	103650	07/03/2018

HALFF ASSOCIATES, INC.
TBPE FIRM #F-312

HALFF
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200
FAX (214) 739-0095

0 10 20 30 40
VERTICAL SCALE:

0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED: JULY 3, 2018

DATE APPROVED: JULY 3, 2018

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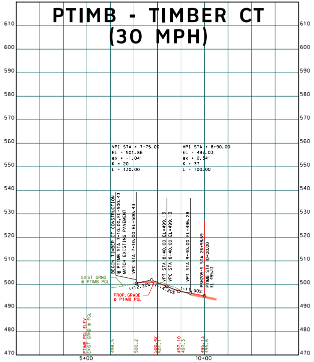
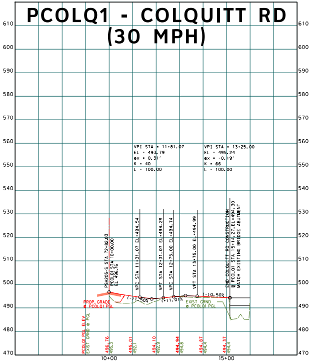
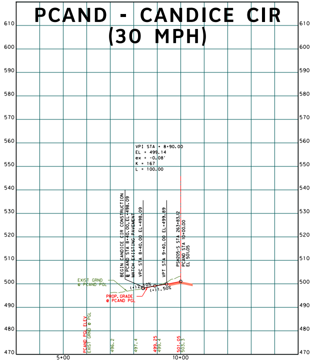
PTIMB - TIMBER CT (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 7+75.00
EL = 501.86
ex = -1.04'
K = 20
L = 130.00
VPI STA = 8+90.00
EL = 497.03
ex = 0.34'
K = 37
L = 100.00
BEGIN TIMBER CT CONSTRUCTION
℄ PTIMB STA 7+10.00, EL=500.43
MATCH EXISTING PAVEMENT
VPC STA 7+10.00 EL=500.43
VPT STA 8+40.00 EL=499.13
VPC STA 8+40.00 EL=499.13
VPT STA 9+40.00 EL=496.28
PSH205-S STA 26+98.69
PTIMB STA 10+00.00
EL 495.13
EXIST GRND
@ PTIMB PGL
PROP. GRADE
@ PTIMB PGL
(+)2.20%
(-)4.20%
(-)1.50%
PTIMB PGL ELEV
EXIST GRND @ PGL
498.5
500.2
500.42
501.1
497.10
497.3
495.13
495.6
5+00
10+00

PCOLQ1 - COLQUITT RD (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 11+81.07
EL = 493.79
ex = 0.31'
K = 40
L = 100.00
VPI STA = 13+25.00
EL = 495.24
ex = -0.19'
K = 66
L = 100.00
PSH205-S STA 72+82.03
PCOLQ1 STA 10+00.00
EL 496.76
VPC STA 11+31.07 EL=494.54
VPT STA 12+31.07 EL=494.29
VPC STA 12+75.00 EL=494.74
VPT STA 13+75.00 EL=494.99
END COLQUITT RD CONSTRUCTION
℄ PCOLQ1 STA 15+14.27, EL=494.30
MATCH EXISTING BRIDGE ABUTMENT
PROP. GRADE
@ PCOLQ1 PGL
EXIST GRND
@ PCOLQ1 PGL
(-)1.50%
(+)1.01%
(-)0.50%
PCOLQ1 PGL ELEV
EXIST GRND @ PGL
496.76
495.3
495.01
492.1
494.10
492.9
494.94
494.8
494.87
494.4
494.37
494.4
10+00
15+00

PCAND - CANDICE CIR (30 MPH)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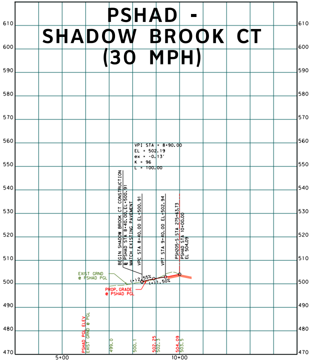
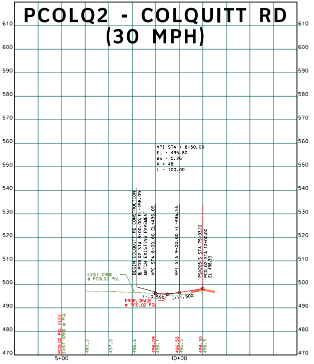
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+90.00
EL = 499.14
ex = -0.08'
K = 167
L = 100.00
BEGIN CANDICE CIR CONSTRUCTION
℄ PCAND STA 8+40.00, EL=498.09
MATCH EXISTING PAVEMENT
VPC STA 8+40.00 EL=498.09
VPT STA 9+40.00 EL=499.89
PSH205-S STA 263+83.12
PCAND STA 10+00.00
EL 501.05
EXIST GRND
@ PCAND PGL
PROP. GRADE
@ PCAND PGL
(+)2.10%
(+)1.50%
PCAND PGL ELEV
EXIST GRND @ PGL
496.2
497.4
499.25
499.4
501.05
503.3
5+00
10+00

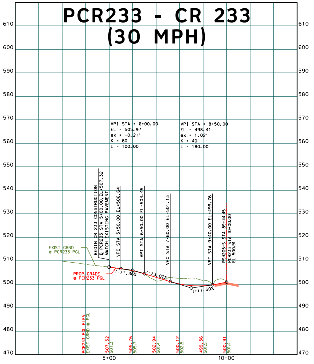
PSHAD - SHADOW BROOK CT (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+90.00
EL = 502.19
ex = -0.13'
K = 96
L = 100.00
BEGIN SHADOW BROOK CT CONSTRUCTION
℄ PSHAD STA 8+40.00, EL=500.91
MATCH EXISTING PAVEMENT
VPC STA 8+40.00 EL=500.91
VPT STA 9+40.00 EL=502.94
PSH205-S STA 275+63.73
PSHAD STA 10+00.00
EL 504.09
EXIST GRND
@ PSHAD PGL
PROP. GRADE
@ PSHAD PGL
(+)2.55%
(+)1.50%
PSHAD PGL ELEV
EXIST GRND @ PGL
499.0
500.1
502.25
502.3
504.09
503.5
5+00
10+00

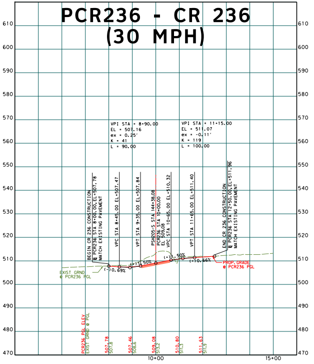
PCOLQ2 - COLQUITT RD (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+50.00
EL = 495.80
ex = 0.26'
K = 48
L = 100.00
BEGIN COLQUITT RD CONSTRUCTION
℄ PCOLQ2 STA 8+00.00,EL=496.09
MATCH EXISTING PAVEMENT
VPC STA 8+00.00 EL=496.09
VPT STA 9+00.00 EL=496.55
PSH205-S STA 75+93.10
PCOLQ2 STA 10+00.00
EL 498.30
EXIST GRND
@ PCOLQ2 PGL
PROP. GRADE
@ PCOLQ2 PGL
(-)0.59%
(+)1.50%
PCOLQ2 PGL ELEV
EXIST GRND @ PGL
497.2
497.0
496.6
496.09
496.1
496.55
495.5
498.30
496.3
5+00
10+00

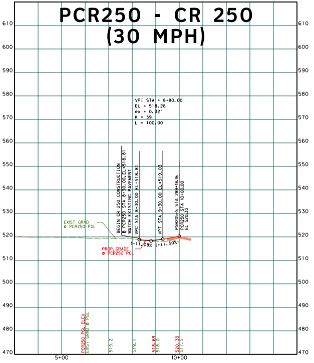
PCR233 - CR 233 (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 6+00.00
EL = 505.97
ex = -0.21'
K = 60
L = 100.00
VPI STA = 8+50.00
EL = 498.41
ex = 1.02'
K = 40
L = 180.00
BEGIN CR 233 CONSTRUCTION
℄ PCR233 STA 5+00.00,EL=507.32
MATCH EXISTING PAVEMENT
VPC STA 5+50.00 EL=506.64
VPT STA 6+50.00 EL=504.45
VPC STA 7+60.00 EL=501.13
VPT STA 9+40.00 EL=499.76
PSH205-S STA 89+44.45
PCR233 STA 10+00.00
EL 500.91
EXIST GRND
@ PCR233 PGL
PROP. GRADE
@ PCR233 PGL
(-)1.36%
(-)3.02%
(+)1.50%
PCR233 PGL ELEV
EXIST GRND @ PGL
507.32
507.3
505.76
505.7
502.94
501.4
500.12
502.5
499.36
501.5
500.91
501.4
5+00
10+00

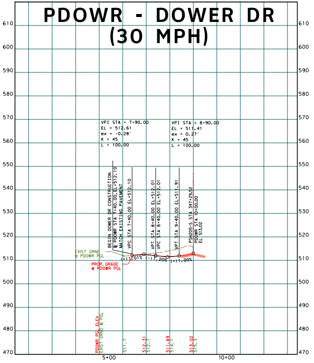
PCR236 - CR 236 (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+90.00
EL = 507.16
ex = 0.25'
K = 41
L = 90.00
VPI STA = 11+15.00
EL = 511.07
ex = -0.11'
K = 119
L = 100.00
BEGIN CR 236 CONSTRUCTION
℄ PCR236 STA 8+00.00,EL=507.78
MATCH EXISTING PAVEMENT
VPC STA 8+45.00 EL=507.47
VPT STA 9+35.00 EL=507.84
PSH205-S STA 144+38.08
PCR236 STA 10+00.00
EL 509.08
VPC STA 10+65.00 EL=510.32
VPT STA 11+65.00 EL=511.40
END CR 236 CONSTRUCTION
℄ PCR236 STA 12+50.00,EL=511.96
MATCH EXISTING PAVEMENT
EXIST GRND
@ PCR236 PGL
PROP. GRADE
@ PCR236 PGL
(-)0.69%
(+)1.50%
(+)1.50%
(+)0.66%
PCR236 PGL ELEV
EXIST GRND @ PGL
507.78
507.8
507.46
508.6
509.08
513.2
510.80
511.3
511.63
511.9
10+00
15+00

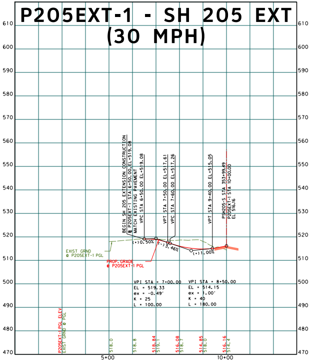
PCR250 - CR 250 (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+80.00
EL = 518.28
ex = 0.32'
K = 39
L = 100.00
BEGIN CR 250 CONSTRUCTION
℄ PCR250 STA 8+30.00,EL=518.81
MATCH EXISTING PAVEMENT
VPC STA 8+30.00 EL=518.81
VPT STA 9+30.00 EL=519.03
PSH205-S STA 289+18.16
PCR250 STA 10+00.00
EL 520.33
EXIST GRND
@ PCR250 PGL
PROP. GRADE
@ PCR250 PGL
(-)1.08%
(+)1.50%
PCR250 PGL ELEV
EXIST GRND @ PGL
519.2
519.1
518.69
518.0
520.33
517.5
5+00
10+00

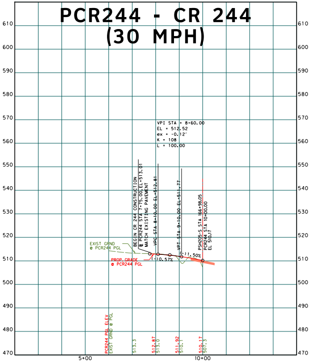
PDOWR - DOWER DR (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 7+90.00
EL = 512.61
ex = -0.28'
K = 45
L = 100.00
VPI STA = 8+90.00
EL = 511.41
ex = 0.27'
K = 45
L = 100.00
BEGIN DOWER DR CONSTRUCTION
℄ PDOWR STA 7+40.00,EL=512.10
MATCH EXISTING PAVEMENT
VPC STA 7+40.00 EL=512.10
VPT STA 8+40.00 EL=512.01
VPC STA 8+40.00 EL=512.01
VPT STA 9+40.00 EL=511.91
PSH205-S STA 347+29.52
PDOWR STA 10+00.00
EL 513.02
EXIST GRND
@ PDOWR PGL
PROP. GRADE
@ PDOWR PGL
(+)1.01%
(-)1.20%
(+)1.00%
PDOWR PGL ELEV
EXIST GRND @ PGL
511.7
512.31
512.7
511.69
514.1
513.02
515.3
5+00
10+00

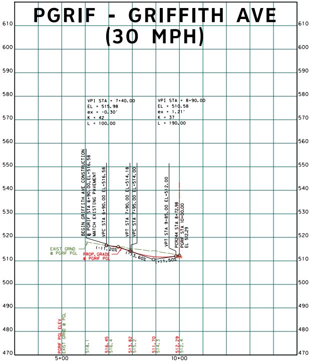
P205EXT-1 - SH 205 EXT (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
BEGIN SH 205 EXTENSION CONSTRUCTION
℄ P205EXT-1 STA 6+50.00,EL=519.08
MATCH EXISTING PAVEMENT
VPC STA 6+50.00 EL=519.08
VPT STA 7+50.00 EL=517.61
VPC STA 7+60.00 EL=517.26
VPT STA 9+40.00 EL=515.05
PSH205-S STA 353+99.49
P205EXT-1 STA 10+00.00
EL 516.16
EXIST GRND
@ P205EXT-1 PGL
PROP. GRADE
@ P205EXT-1 PGL
(+)0.50%
(-)3.46%
(+)1.00%
VPI STA = 7+00.00
EL = 519.33
ex = -0.49'
K = 25
L = 100.00
VPI STA = 8+50.00
EL = 514.15
ex = 1.00'
K = 40
L = 180.00
P205EXT-1 PGL ELEV
EXIST GRND @ PGL
518.0
518.8
518.84
519.1
516.08
518.7
514.85
518.0
516.16
514.4
5+00
10+00

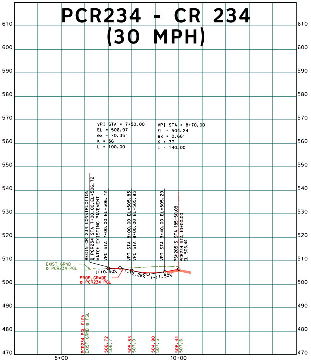
PCR244 - CR 244
(30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+60.00
EL = 512.52
ex = -0.12′
K = 108
L = 100.00
BEGIN CR 244 CONSTRUCTION
℄ PCR244 STA 7+75.00,EL=513.01
MATCH EXISTING PAVEMENT
VPC STA 8+10.00 EL=512.81
VPT STA 9+10.00 EL=511.77
PSH205-S STA 166+98.05
PCR244 STA 10+00.00
EL 510.17
EXIST GRND
@ PCR244 PGL
PROP. GRADE
@ PCR244 PGL
(-)0.57%
(-)1.50%
PCR244 PGL ELEV
EXIST GRND @ PGL
513.3
512.87
513.0
511.92
510.1
510.17
507.3
5+00
10+00

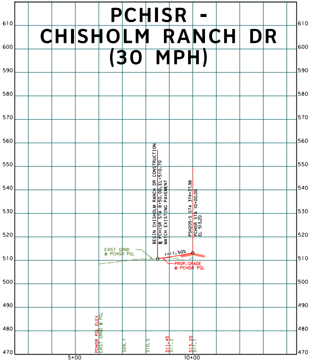
PGRIF - GRIFFITH AVE
(30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 7+40.00
EL = 515.98
ex = -0.30′
K = 42
L = 100.00
VPI STA = 8+90.00
EL = 510.58
ex = 1.21′
K = 37
L = 190.00
BEGIN GRIFFITH AVE CONSTRUCTION
℄ PGRIF STA 6+90.00,EL=516.58
MATCH EXISTING PAVEMENT
VPC STA 6+90.00 EL=516.58
VPT STA 7+90.00 EL=514.18
VPC STA 7+95.00 EL=514.00
VPT STA 9+85.00 EL=512.00
PCR244 STA 8+72.98
PGRIF STA 10+00.00
EL 512.29
EXIST GRND
@ PGRIF PGL
PROP. GRADE
@ PGRIF PGL
(-)1.20%
(-)3.60%
(+)1.50%
PGRIF PGL ELEV
EXIST GRND @ PGL
518.1
516.45
516.4
513.82
515.2
511.70
514.3
512.29
512.4
5+00
10+00

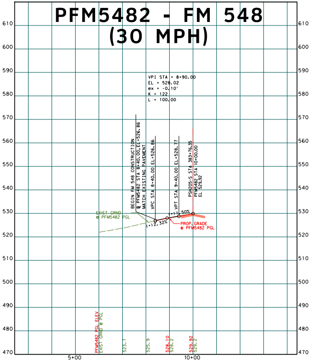
PCR234 - CR 234
(30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 7+50.00
EL = 506.97
ex = -0.35′
K = 36
L = 100.00
VPI STA = 8+70.00
EL = 504.24
ex = 0.66′
K = 37
L = 140.00
BEGIN CR 234 CONSTRUCTION
℄ PCR234 STA 7+00.00,EL=506.72
MATCH EXISTING PAVEMENT
VPC STA 7+00.00 EL=506.72
VPT STA 8+00.00 EL=505.83
VPC STA 8+00.00 EL=505.83
VPT STA 9+40.00 EL=505.29
PSH205-S STA 185+50.09
PCR234 STA 10+00.00
EL 506.44
EXIST GRND
@ PCR234 PGL
PROP. GRADE
@ PCR234 PGL
(+)0.50%
(-)2.28%
(+)1.50%
PCR234 PGL ELEV
EXIST GRND @ PGL
506.72
506.7
505.83
507.0
504.90
507.5
506.44
507.6
5+00
10+00

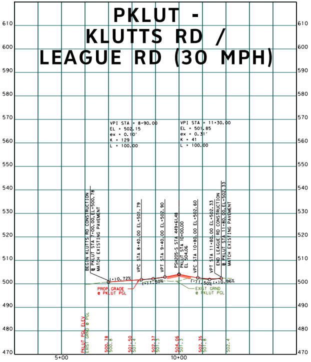
PCHISR -
CHISHOLM RANCH DR
(30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
BEGIN CHISHOLM RANCH DR CONSTRUCTION
℄ PCHISR STA 8+50.00,EL=510.70
MATCH EXISTING PAVEMENT
PSH205-S STA 374+37.98
PCHISR STA 10+00.00
EL 513.20
EXIST GRND
@ PCHISR PGL
PROP. GRADE
@ PCHISR PGL
(+)1.50%
PCHISR PGL ELEV
EXIST GRND @ PGL
509.7
510.5
511.45
511.2
513.20
511.1
5+00
10+00

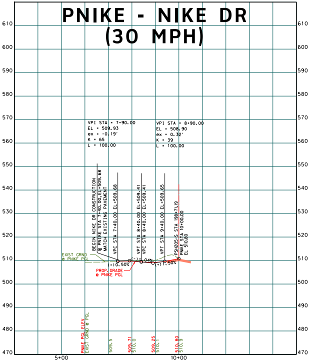
PFM5482 - FM 548
(30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+90.00
EL = 528.02
ex = -0.10′
K = 122
L = 100.00
BEGIN FM 548 CONSTRUCTION
℄ PFM5482 STA 8+40.00,EL=526.86
MATCH EXISTING PAVEMENT
VPC STA 8+40.00 EL=526.86
VPT STA 9+40.00 EL=528.77
PSH205-S STA 383+76.35
PFM5482 STA 10+00.00
EL 529.92
EXIST GRND
@ PFM5482 PGL
PROP. GRADE
@ PFM5482 PGL
(+)2.32%
(+)1.50%
PFM5482 PGL ELEV
EXIST GRND @ PGL
523.7
525.9
528.10
528.2
529.92
529.2
5+00
10+00

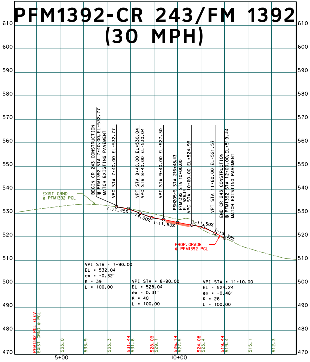
PKLUT -
KLUTTS RD /
LEAGUE RD (30 MPH)


610
600
590
580
570
560
550
540
530
520
510
500
490
480
470
VPI STA = 8+90.00
EL = 502.15
ex = 0.10′
K = 129
L = 100.00
VPI STA = 11+30.00
EL = 501.85
ex = 0.31′
K = 41
L = 100.00
BEGIN KLUTTS RD CONSTRUCTION
℄ PKLUT STA 7+00.00,EL=500.78
MATCH EXISTING PAVEMENT
VPC STA 8+40.00 EL=501.79
VPT STA 9+40.00 EL=502.90
PSH205-S STA 449+61.48
PKLUT STA 10+00.00
EL 504.06
VPC STA 10+80.00 EL=502.60
VPT STA 11+80.00 EL=502.33
END LEAGUE RD CONSTRUCTION
℄ PKLUT STA 11+80.00,EL=502.33
MATCH EXISTING PAVEMENT
(+)0.72%
(+)1.50%
(-)1.50%
(+)0.96%
PROP. GRADE
@ PKLUT PGL
EXIST GRND
@ PKLUT PGL
PKLUT PGL ELEV
EXIST GRND @ PGL
500.78
500.8
501.50
501.4
502.37
501.3
504.06
501.3
502.35
501.8
502.4
5+00
10+00

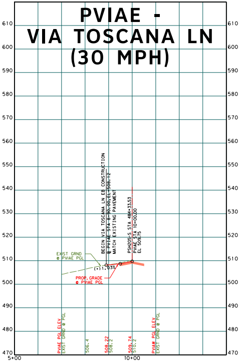
PNIKE - NIKE DR (30 MPH)



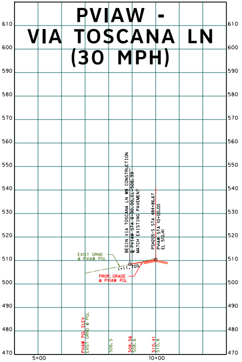
PFM1392-CR 243/FM 1392 (30 MPH)



PVIAE - VIA TOSCANA LN (30 MPH)



PVIAW - VIA TOSCANA LN (30 MPH)



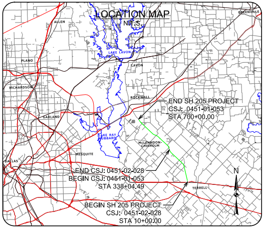
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

SH 205 DESIGN SCHEMATIC
FROM US 80 TO JCT SH 205/JOHN KING
(S GOLIAD ST)
KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
CSJ'S: 0451-01-053, 0451-02-028

APPROVED SCHEMATIC
JULY 3, 2018

JULY 2018
ROLL 8 OF 9

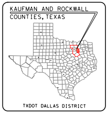
PROJECT LENGTH:	13.07 MILES
FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
AVERAGE DAILY TRAFFIC:	33,100 (2014) 53,200 (2034)
DESIGN SPEEDS:	
SH 205:	45 MPH
CROSS STREETS:	30 MPH


LOCATION MAP
N.T.S.
ALLEN
GREENVILLE
LAKE LAVON
PLANO
LAVON
RICHARDSON
ROCKWALL
GARLAND
LAKE RAY HUBBARD
McLENDON-CHISHOLM
MESQUITE
DALLAS
TERRELL
N

END SH 205 PROJECT
CSJ: 0451-01-053
STA 700+00.00

END CSJ: 0451-02-028
BEGIN CSJ: 0451-01-053
STA 338+04.49

BEGIN SH 205 PROJECT
CSJ: 0451-02-028
STA 10+00.00


KAUFMAN AND ROCKWALL
COUNTIES, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

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NAME	P.E. NO.	DATE
JEREMY W. MCGAHAN	103650	07/03/2018

HALFF ASSOCIATES, INC.
TBPE FIRM #F-312

HALFF
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200
FAX (214) 739-0095

0 10 20 30 40
VERTICAL SCALE:

0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED: JULY 3, 2018

DATE APPROVED: JULY 3, 2018

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