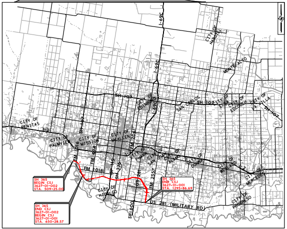
PLAN LEGEND

‐ · ‐ · ‐	CITY LIMITS
‐ · · ‐ · · ‐	PROPOSED RIGHT OF WAY
— — —	EXISTING RIGHT OF WAY
— — —	EXISTING INTERNATIONAL LEVEE R.O.W.
—‖‖—	CONTROL OF ACCESS
‐ · · ‐ · · ‐	BEGIN/END R.O.W. TRANSITION
——	PROPOSED RETAINING WALL
——	PROPOSED TOE OF SLOPE
▨	PROPOSED GAS EASEMENT
▭	EXISTING ROADWAY (TO REMAIN)
▭	PROPOSED ROADWAY
▭	EXISTING BRIDGE (TO REMAIN)
🟧	PROPOSED BRIDGE MAINLANES
▭	EXISTING DRAINAGE CHANNEL
🟪	PROPOSED DRAINAGE CHANNEL
🟩	EXISTING USFWS CORRIDOR/TRACT
▭	EXISTING FLOODWAY
🟧	EXISTING CONSTRAINTS
▨	FUTURE PAVEMENT / ULTIMATE SECTION
🟥	EXISTING ROAD TO BE OBLITERATED
🟨	AREAS OF IMPACT
▩	PROPOSED RIPRAP
🟦	PROPOSED R.O.W.
⬛	PROPOSED MAINLANES GANTRY
🟥	PROPOSED RAMPS GANTRY
	EXIST. DRAINAGE STRUCTURE/CHANNEL
	PROP. DRAINAGE STRUCTURE/CHANNEL
	EXIST. IRRIGATION STRUCTURE
	PROP. IRRIGATION STRUCTURE
➡	PROPOSED TRAFFIC
⇨	EXISTING TRAFFIC
➝	PROPOSED DRAINAGE FLOW
➝	EXISTING DRAINAGE FLOW

UTILITIES LEGEND

—— OP ——	EXIST. OVERHEAD POWER LINE
—— P ——	EXIST. UNDERGROUND POWER LINE
—◉— HVTL—	EXISTING HIGH TENSION POWER LINES
—— G ——	EXIST. GAS LINE
—— W ——	EXIST. WATER LINE
—— SS ——	EXIST. SANITARY SEWER LINE
—— FM ——	EXIST. SANITARY SEWER FORCEMAIN
—— FOL ——	EXIST. UNDERGROUND FIBER OPTIC
—— OC ——	EXIST. AERIAL FIBER OPTIC
—— T ——	EXIST. UNDERGROUND TELEPHONE
- - - - -	EXISTING IRRIGATION LINES
⌖	DRY HOLE
☼	GAS WELL
●	HORIZONTAL DRAIN HOLE
✹	OIL/GAS WELL
●	PERMITTED LOCATION
☼	PLUGGED GAS WELL
●	PLUGGED OIL WELL
✹	PLUGGED OIL/GAS WELL
☼	SHUT-IN WELL (GAS)
●	SIDETRACK WELL SURFACE LOCATION

HIDALGO COUNTY
AMA
LUB
CHS
WFS
PAR
ATL
ABL
FTW
DAL
TYL
ELP
ODA
SJT
BWD
WAC
LFK
AUS
BRY
BMT
HOU
SAT
YKM
LRD
CRP
PHR



I-69C
I-69E
CITY OF HARLINGEN
CITY OF EDINBURG
SH 107
SAN CARLOS
CITY OF ELSA
CITY OF EDCOUCH
CITY OF LA VILLA
MONTE ALTO
CITY OF PENITAS
I-2
CITY OF PALMVIEW
CITY OF MISSION
CITY OF McALLEN
FM 2061
CITY OF PHARR
CITY OF SAN JUAN
CITY OF ALAMO
CITY OF DONNA
CITY OF WESLACO
CITY OF MERCEDES
CITY OF PROGRESO
FM 1016
FM 494
SP 115
SH 336
US 281
FM 2557
CITY OF HIDALGO
SP 600
US 281 (MILITARY RD)
SH 365 BEGIN CSJ 3627-01-002 STA. 509+25.00
SH 365 END CSJ 3627-01-002 BEGIN CSJ 3627-01-001 STA. 650+28.57
SH 365 END CSJ 3627-01-001 STA. 1295+86.69

VICINITY MAP

SCALE: 1" = 40,000'

DESIGN DATA

SH 365

PROJECT NET LENGTH : 14.9 MILES

CSJ : 3627-01-001

NET LENGTH : 12.23 MILES

LIMITS : FROM STA. 650+28.57 (FM 396 & GSA CONNECTOR)
: TO STA. 1295+86.69 (US 281 MILITARY ROAD)

CSJ : 3627-01-002

NET LENGTH : 2.67 MILES

LIMITS : FROM STA. 509+25.00 (½ MI WEST OF FM 1016 CONWAY RD)
: TO STA. 650+28.57 (FM 396 & GSA CONNECTOR)

FUNCTIONAL CLASSIFICATION : PRINCIPAL ARTERIAL (FREEWAY)

ADT (2016) : 15,000
(2036) : 20,600

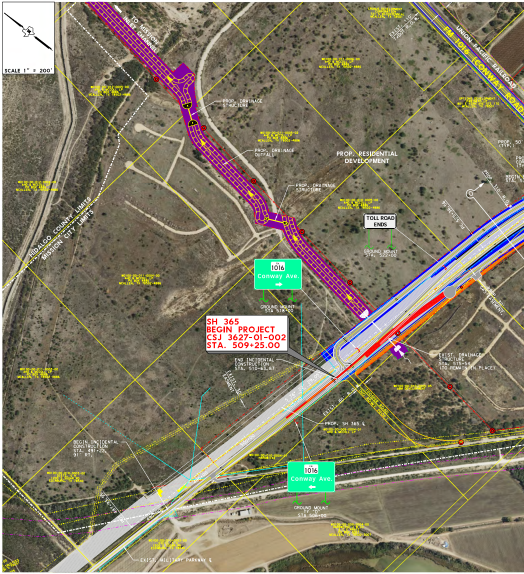
e MAX : 6%

DESIGN CRITERIA : TxDOT ROADWAY DESIGN MANUAL CHAPTER 3, SECTION 6 - (FREEWAYS)

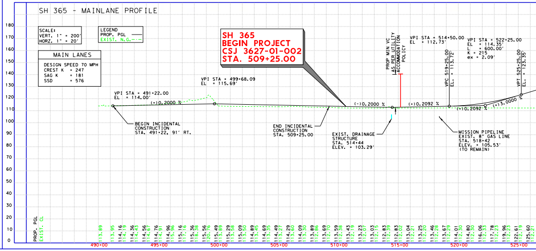
ROBERT J. MACHESKA
93540

DESIGN SPEED TABLE	
MAINLANES	70 MPH STA. 510+63.87 TO 1295+86.00
RAMP	50 MPH STA. 510+63.87 TO 1295+86.00
FRONTAGE	50 MPH STA. 510+63.87 TO 1295+86.00
GSA CONNECTOR	45 MPH
CROSSROADS	
GLASSCOCK ROAD	30 MPH
FM 494	55 MPH
WARE ROAD	30 MPH
SP 115 (23rd ST)	55 MPH

DESIGN SPEED TABLE	
CROSSROADS	
SH 336 (10th ST.)	60 MPH
MCCOLL RD	50 MPH
ANAYA RD.	30 MPH
McCOLL RD.	40 MPH
FM 2061	55 MPH
US 281	55 MPH
I RD.	45 MPH
FM 3072	55 MPH



SCALE 1" = 200'
TO MISSION INLET CHANNEL
PROP. DRAINAGE STRUCTURE
PROP. DRAINAGE OUTFALL
#0100-00-012-0005-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-012-0004-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-011-0004-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-011-0003-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-011-0006-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-011-0005-02 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
#0100-00-010-0005-00 AHD & MCCOLL LP PO BOX 4886 MCALLEN, TX 78502-4886
CRONUS DEVELOPMENT CORPORATION 721 S BICENTENNIAL MCALLEN, TX 78501
OPTIONS DEVELOPMENT PARTNERS LP 801 E FERN AVE STE 170 MCALLEN, TX 78501
EXIST. 110' TxDOT R.O.W.
FM 1016 (CONWAY ROAD)
UNION PACIFIC RAILROAD
PROP. RESIDENTIAL DEVELOPMENT
PROP. 50' (TYP.)
PROP. 310' R.O.W.
PC 525+36.56
TOLL ROAD ENDS
GROUND MOUNT STA. 522+00
HIDALGO COUNTY LIMITS
MISSION CITY LIMITS
1016 Conway Ave.
GROUND MOUNT STA 518+00
SH 365 BEGIN PROJECT CSJ 3627-01-002 STA. 509+25.00
END INCIDENTAL CONSTRUCTION STA. 510+63.87
EXIST. 30' EASMENT
S 76° 22' 29.05" E
PROP. 30' GAS EASEMENT
EXIST. DRAINAGE STRUCTURE STA. 515+54 (TO REMAIN IN PLACE)
#0100-00-010-0005-05 ABM DEVELOPMENT
TROSPER ROAD (NO RDWY PROP.)
EXIST. 80' R.O.W.
PROP. SH 365 ℄
#0100-00-009-0004-01 AHD & MCCOLL LP
BEGIN INCIDENTAL CONSTRUCTION STA. 491+22, 91' RT.
#0100-00-010-0004-01 HARDWICKE
#0100-00-010-0003-00 DIETZ, S H 1200 S SUGAR RD EDINBURG, TX 78540
505+00
500+00
495+00
490+00
487+93.55
1016 Conway Ave.
GROUND MOUNT TY "D" STA 506+00
#0100-00-009-0004-00 HARDWICKE J B CO & C E PRATT PO BOX 3007 MCALLEN, TX 78502-3007
EXIST. MILITARY PARKWAY ℄



HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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Texas Department of Transportation

PROGRAM MANAGEMENT CONSULTANT
DANNENBAUM
ENGINEERING CORPORATION
T.B.P.E. FIRM REGISTRATION #392
1109 NOLANA LOOP, STE 280 MCALLEN, TX 78504 (956) 682-3677

L&G Engineering
Highway / Civil
Structural / Bridge
Environmental
Firm No. : F-4105

2100 W. Expressway 83
Mercedes, TX. 78570
Phone : (956) 565-9813
Fax : (956) 565-9018

900 S. Stewart Rd., Ste. 10
Mission, TX. 78572
Phone : (956) 585-1909
Fax : (956) 585-1927

SH 365
SCHEMATIC
STA. 509+25.00 TO STA. 991+00.00

ROLL 1 OF 2

DRAWING: R.R.	FED. RD. DIV. NO.	STATE	PROJECT NO.				HIGHWAY NO.
CK: M.C.	6	TEXAS					
ENGINEER M.C.	STATE DIST. NO	COUNTY	CONT	SECT	JOB		SHEET NO.
CK: G.L.	PHR	HIDALGO	3627	01	001,002		
REVIEW:							
CK:							

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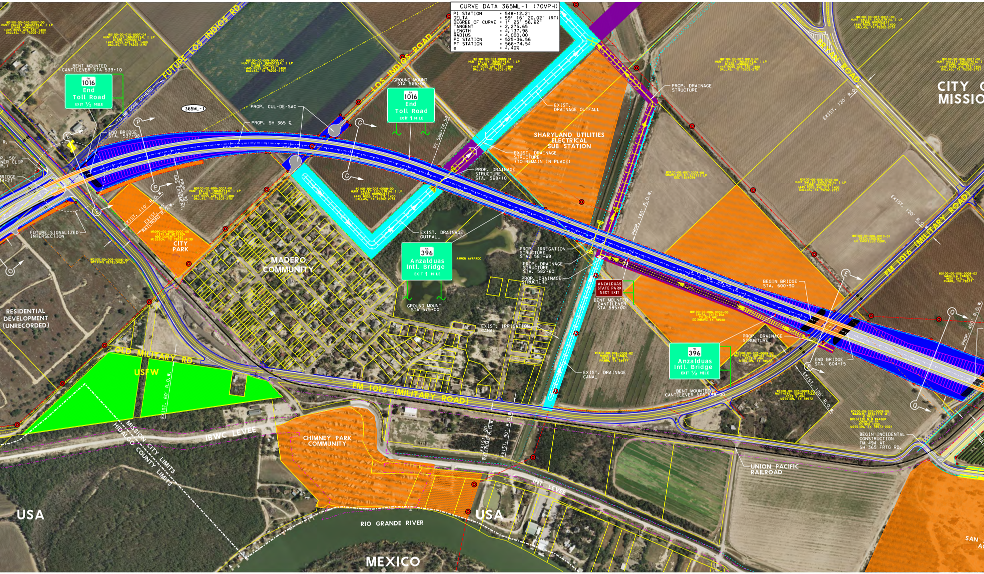
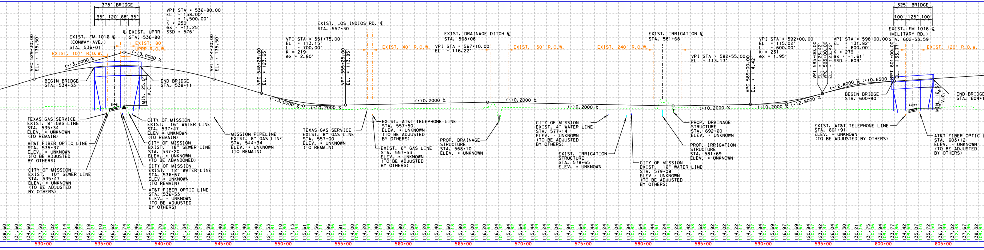

FUTURE LOS INDIOS RD.
LOS INDIOS RD.
TO BE DONE OTHERS
BENT MOUNTED CANTILEVER STA 539+10
FM 1016 End Toll Road EXIT 1/2 MILE
GROUND MOUNT STA 566+00
FM 1016 End Toll Road EXIT 1 MILE
365ML-1
PROP. CUL-DE-SAC
PROP. SH 365 ℄
END BRIDGE STA. 537+98
PI 566+74.54
FUTURE SIGNALIZED INTERSECTION
EXIST. 110' R.O.W.
EXIST. 80' RAILROAD R.O.W.
PROP. 30' GAS EASEMENT
CITY PARK
MADERO COMMUNITY
RESIDENTIAL DEVELOPMENT (UNRECORDED)
OLD MILITARY RD.
USFW
EXIST. 60' R.O.W.
MISSION CITY LIMITS
HIDALGO COUNTY LIMITS
IBWC LEVEE
FM 1016 (MILITARY ROAD)
CHIMNEY PARK COMMUNITY
INT. LEVEE
RIO GRANDE RIVER
USA
USA
MEXICO
EXIST. DRAINAGE OUTFALL
FM 396 Anzalduas Intl. Bridge EXIT 1 MILE
GROUND MOUNT STA 575+00
AARON ALVARADO
SHARYLAND UTILITIES ELECTRICAL SUB STATION
EXIST. DRAINAGE STRUCTURE (TO REMAIN IN PLACE)
PROP. DRAINAGE STRUCTURE STA. 568+10
PROP. DRAINAGE STRUCTURE
EXIST. DRAINAGE OUTFALL
PROP. IRRIGATION STRUCTURE STA. 581+69
PROP. DRAINAGE STRUCTURE STA. 582+60
PROP. DRAINAGE STRUCTURE
EXIST. IRRIGATION CANAL
EXIST. DRAINAGE CANAL
ANZALDUAS STATE PARK NEXT EXIT
BENT MOUNTED CANTILEVER STA 585+00
PROP. 160' R.O.W.
EXIST. 80' RAILROAD R.O.W.
EXIST. 90' R.O.W.
FM 396 Anzalduas Intl. Bridge EXIT 1/2 MILE
BENT MOUNTED CANTILEVER STA 598+00
BEGIN BRIDGE STA. 600+90
END BRIDGE STA. 604+15
PROP. DRAINAGE STRUCTURE
EXIST. 120' R.O.W.
EXIST. 120' R.O.W.
EXIST. 120' R.O.W.
PROP. 400' R.O.W.
BRYAN ROAD
FM 1016 (MILITARY ROAD)
CITY OF MISSION
BEGIN INCIDENTAL CONSTRUCTION FM 494 AT SH 365 FRTG RD.
UNION PACIFIC RAILROAD
W0100-00-010-0007-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-010-0007-04 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-009-0008-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-008-0009-01 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-009-0007-00 HUNT VALLEY INDUSTRIAL I LP 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
M5090-00-000-0000-00 CITY OF MISSION 900 DOHERTY AVE MISSION, TX 78572-4130
W0100-00-009-0006-00 OPTIONS DEVELOPMENT
W0100-00-007-0010-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-007-0009-00 SHARYLAND UTILITIES LP DOC 1631059
W0100-00-006-0010-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
W0100-00-006-0010-01 LC CASTILLO CORP.
W0100-00-006-0009-00 SANTA CATALINA PO BOX 681 EDINBURG TX 78540
W0100-00-006-0008-02 MAQUILA TRADES 9601 INTL. BLD. PHARR, TX 78577
W0100-00-005-0009-03 MATTHEWS, SOPHIE FOLEY 4519 S 494 MISSION, TX 78572
W0100-00-005-0009-00 WAASER, BRIGITTE M BRIGITTE M WAASER PO BOX 1299 MISSION, TX 78573-0021

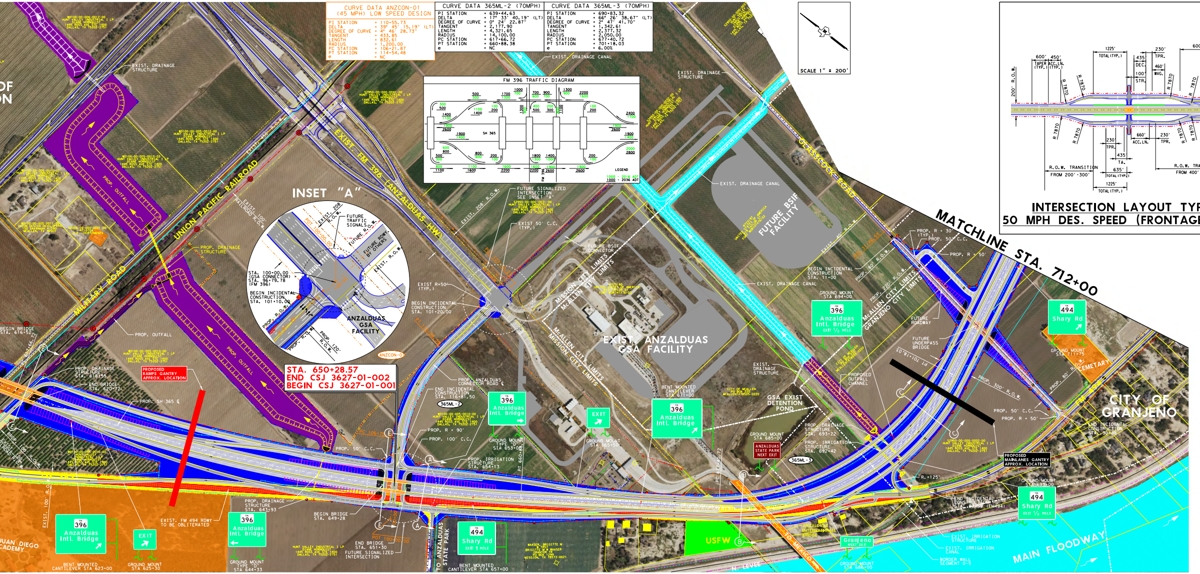
CURVE DATA 365ML-1 (70MPH)	
PI STATION	= 548+12.21
DELTA	= 59° 16′ 20.02″ (RT)
DEGREE OF CURVE	= 1° 25′ 56.62″
TANGENT	= 2,275.65
LENGTH	= 4,137.98
RADIUS	= 4,000.00
PC STATION	= 525+36.56
PT STATION	= 566+74.54
e	= 4.40%

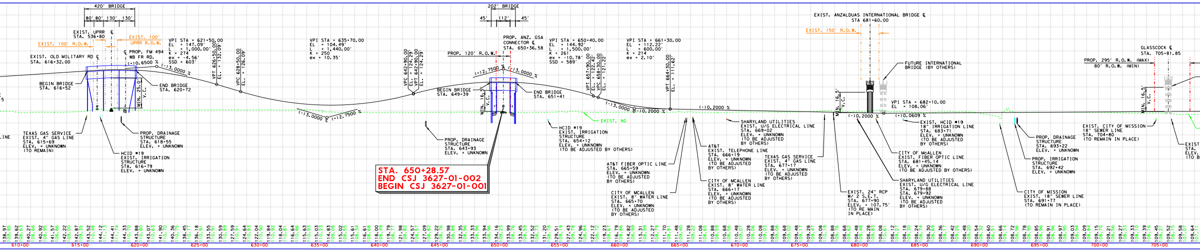

378' BRIDGE
95' 120' 68' 95'
VPI STA = 536+80.00 EL = 158.00' L = 1,500.00' K = 250 ex = -11.25' SSD = 576'
℄ EXIST. UPRR STA. 536+80
EXIST. FM 1016 ℄ (CONWAY AVE.) STA. 536+01
EXIST. 107' R.O.W.
EXIST. 80' UPRR R.O.W.
(+)3.0000 %
(-)3.0000 %
VPC 529+30.00 EL. = 135.50'
VPT 544+30.00 EL. = 135.50'
BEGIN BRIDGE STA. 534+33
END BRIDGE STA. 538+11
MIN. 25.0' V.C.
TEXAS GAS SERVICE EXIST. 8" GAS LINE STA. 535+34 ELEV. = UNKNOWN (TO REMAIN)
AT&T FIBER OPTIC LINE STA. 535+37 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF MISSION EXIST. 10" SEWER LINE STA. 535+47 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF MISSION EXIST. 16" WATER LINE STA. 537+47 ELEV = UNKNOWN (TO REMAIN)
CITY OF MISSION EXIST. 18" SEWER LINE STA. 537+20 ELEV. = UNKNOWN (TO BE ABANDONED)
CITY OF MISSION EXIST. 12" WATER LINE STA. 536+67 ELEV = UNKNOWN (TO REMAIN)
AT&T FIBER OPTIC LINE STA. 536+53 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
MISSION PIPELINE EXIST. 8" GAS LINE STA. 544+34 ELEV. = UNKNOWN (TO REMAIN)
VPC 548+25.00 EL. = 123.65'
(-)3.0000 %
(+)0.2000 %
VPI STA = 551+75.00 EL = 113.15' L = 700.00' K = 219 ex = 2.80'
VPT 555+25.00 EL. = 113.85'
EXIST. LOS INDIOS RD. ℄ STA. 557+30
EXIST. 40' R.O.W.
TEXAS GAS SERVICE EXIST. 8" GAS LINE STA. 557+00 ELEV. = UNKNOWN (TO REMAIN)
EXIST. AT&T TELEPHONE LINE STA. 557+50 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. 6" GAS LINE STA. 557+53 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
(+)0.2000 %
VPI STA = 567+10.00 EL = 116.22'
EXIST. DRAINAGE DITCH ℄ STA. 568+08
PROP. DRAINAGE STRUCTURE STA. 568+10 ELEV. = UNKNOWN
EXIST. 150' R.O.W.
(-)0.2000 %
(-)0.2000 %
EXIST. 240' R.O.W.
CITY OF MISSION EXIST. 4" WATER LINE STA. 577+14 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. IRRIGATION STRUCTURE STA. 578+65 ELEV. = UNKNOWN
CITY OF MISSION EXIST. 16" WATER LINE STA. 579+08 ELEV = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. IRRIGATION ℄ STA. 581+68
VPI STA = 582+55.00 EL = 113.13'
PROP. DRAINAGE STRUCTURE STA. 692+60 ELEV. = UNKNOWN
PROP. IRRIGATION STRUCTURE STA. 581+69 ELEV. = UNKNOWN
(+)0.2000 %
VPC 589+00.00 EL. = 114.42'
VPI STA = 592+00.00 EL = 115.02' L = 600.00' K = 231 ex = 1.95'
(+)0.2000 %
(+)2.8000 %
VPT 595+00.00 EL. = 123.42'
VPC 595+00.00 EL. = 123.42'
VPI STA = 598+00.00 EL = 131.82' L = 600.00' K = 279 ex = -1.61' SSD = 609'
(+)2.8000 %
(+)0.6500 %
VPT 601+00.00 EL. = 133.77'
325' BRIDGE
100' 125' 100'
EXIST. FM 1016 ℄ (MILITARY RD.) STA. 602+53.59
EXIST. 120' R.O.W.
BEGIN BRIDGE STA. 600+90
END BRIDGE STA. 604+1
MIN. 16.5' V.C.
EXIST. AT&T TELEPHONE LINE STA. 601+91 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T FIBER OPTIC LINE STA. 603+12 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
530+00
535+00
540+00
545+00
550+00
555+00
560+00
565+00
570+00
575+00
580+00
585+00
590+00
595+00
600+00
605+00

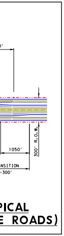
CURVE DATA ANZCON-01 (45 MPH) LOW SPEED DESIGN	
PI STATION	= 110+55.73
DELTA	= 39° 45′ 15.19″ (LT)
DEGREE OF CURVE	= 4° 46′ 28.73″
TANGENT	= 433.85
LENGTH	= 832.61
RADIUS	= 1,200.00
PC STATION	= 106+21.87
PT STATION	= 114+54.48
e	= NC

CURVE DATA 365ML-2 (70MPH)	
PI STATION	= 639+44.63
DELTA	= 17° 33′ 40.19″ (LT)
DEGREE OF CURVE	= 0° 24′ 22.87″
TANGENT	= 2,177.90
LENGTH	= 4,321.65
RADIUS	= 14,100.00
PC STATION	= 617+66.72
PT STATION	= 660+88.38
e	= NC

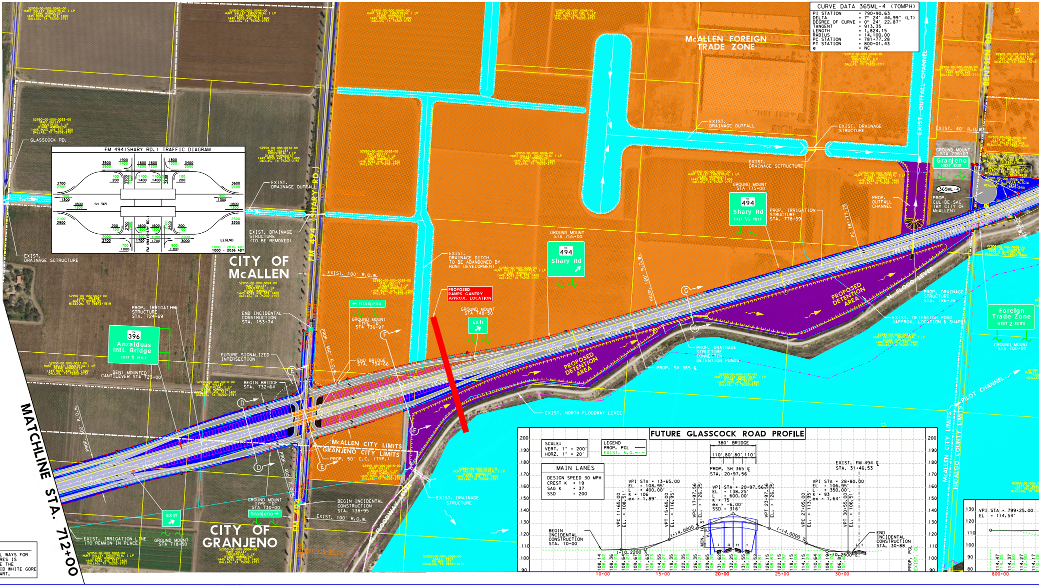
CURVE DATA 365ML-3 (70MPH)	
PI STATION	= 690+83.32
DELTA	= 66° 26′ 38.67″ (LT)
DEGREE OF CURVE	= 2° 47′ 41.70″
TANGENT	= 1,342.61
LENGTH	= 2,377.32
RADIUS	= 2,050.00
PC STATION	= 677+40.72
PT STATION	= 701+18.03
e	= 6.00%


SCALE 1″ = 200′
FM 396 TRAFFIC DIAGRAM
SH 365
LEGEND
1000 - 2016 ADT
1000 - 2036 ADT
INSET "A"
FUTURE TRAFFIC SIGNALS
FUTURE ROWY. BY OTHERS
STA. 100+00.00 (GSA CONNECTOR)
STA. 96+79.78 (FM 396)
BEGIN INCIDENTAL CONSTRUCTION STA. 101+10.00
ANZALDUAS GSA FACILITY
INTERSECTION LAYOUT TYP
50 MPH DES. SPEED (FRONTAGE
R.O.W. TRANSITION FROM 200′-300′
UNION PACIFIC RAILROAD
MILITARY ROAD
EXIST. FM 396 (ANZALDUAS HWY)
GLASSCOCK ROAD
MATCHLINE STA. 712+00
EXIST. ANZALDUAS GSA FACILITY
FUTURE BSIF FACILITY
MISSION CITY LIMITS
McALLEN CITY LIMITS
GRANJENO CITY LIMITS
CITY OF GRANJENO
MAIN FLOODWAY
USFW
N. LEVEE
TO MEXICO
ANZALDUAS STATE PARK
STA. 650+28.57
END CSJ 3627-01-002
BEGIN CSJ 3627-01-001
PROPOSED RAMPS GANTRY APPROX. LOCATION
PROPOSED MAINLANES GANTRY APPROX. LOCATION
EXIST. DRAINAGE STRUCTURE
EXIST. DRAINAGE CANAL
PROP. DRAINAGE STRUCTURE
PROP. OUTFALL
PROP. SH 365
EXIST. FM 494 RDWY. TO BE OBLITERATED
FUTURE SIGNALIZED INTERSECTION SEE INSET "A"
BEGIN BRIDGE STA. 616+52
END BRIDGE STA. 620+72
BEGIN BRIDGE STA. 649+28
END BRIDGE STA. 651+30
GSA EXIST. DETENTION POND
396 Anzalduas Intl. Bridge
494 Shary Rd
EXIT
Granjeno NEXT EXIT
ANZALDUAS STATE PARK NEXT EXIT
365ML-2
365ML-3
ANZCON-01
HUNT VALLEY INDUSTRIAL I LP 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751


420′ BRIDGE
80′ 80′ 130′ 130′
EXIST. UPRR ℄ STA. 536+80
EXIST. 100′ R.O.W.
EXIST. 100′ UPRR R.O.W.
EXIST. OLD MILITARY RD ℄ STA. 616+32.00
℄ PROP. FM 494 WB FR RD.
VPI STA = 621+50.00 EL = 147.09′ L = 1,000.00′ K = 274 ex = -4.56′ SSD = 603′
VPI STA = 635+70.00 EL = 104.49′ L = 1,440.00′ K = 250 ex = 10.35′
202′ BRIDGE
45′ 112′ 45′
PROP. ANZ. GSA CONNECTOR ℄ STA. 650+36.58
PROP. 120′ R.O.W.
VPI STA = 650+40.00 EL = 144.92′ L = 1,500.00′ K = 261 ex = -10.78′ SSD = 589′
VPI STA = 661+30.00 EL = 112.22′ L = 600.00′ K = 214 ex = 2.10′
EXIST. ANZALDUAS INTERNATIONAL BRIDGE ℄ STA 681+60.00
EXIST. 150′ R.O.W.
FUTURE INTERNATIONAL BRIDGE (BY OTHERS)
VPI STA = 682+10.00 EL = 108.06′
GLASSCOCK ℄ STA. 705+81.85
PROP. 295′ R.O.W. (MAX) 80′ R.O.W. (MIN)
(+)0.6500 %
(-)3.0000 %
(+)2.7500 %
(-)0.2000 %
(+)0.0609 %
STA. 650+28.57
END CSJ 3627-01-002
BEGIN CSJ 3627-01-001
TEXAS GAS SERVICE EXIST. 4″ GAS LINE STA. 615+69 ELEV. = UNKNOWN (TO REMAIN)
HCID #19 EXIST. IRRIGATION STRUCTURE STA. 616+79 ELEV. = UNKNOWN
PROP. DRAINAGE STRUCTURE STA. 618+55 ELEV. = UNKNOWN
PROP. DRAINAGE STRUCTURE STA. 643+93 ELEV. = UNKNOWN
HCID #19 EXIST. IRRIGATION STRUCTURE STA. 654+12 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T FIBER OPTIC LINE STA. 665+59 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF McALLEN EXIST. 8″ WATER LINE STA. 665+70 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
SHARYLAND UTILITIES EXIST. U/G ELECTRICAL LINE STA. 669+02 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T EXIST. TELEPHONE LINE STA. 666+19 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF McALLEN EXIST. 8″ WATER LINE STA. 666+17 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
TEXAS GAS SERVICE EXIST. 4″ GAS LINE STA. 677+17 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. 24″ RCP W/ 2 S.E.T. STA. 677+90 ELEV. = 107.75′ (TO REMAIN IN PLACE)
CITY OF McALLEN EXIST. FIBER OPTIC LINE STA. 681+45.14 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. HCID #19 18″ IRRIGATION LINE STA. 683+71 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
SHARYLAND UTILITIES EXIST. U/G ELECTRICAL LINE STA. 679+88 STA. 679+92 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
PROP. DRAINAGE STRUCTURE STA. 693+22 ELEV. = UNKNOWN
PROP. IRRIGATION STRUCTURE STA. 692+42 ELEV. = UNKNOWN
EXIST. CITY OF MISSION 18″ SEWER LINE STA. 704+80 (TO REMAIN IN PLACE)
CITY OF MISSION EXIST. 18″ SEWER LINE STA. 691+77 (TO REMAIN IN PLACE)
MIN. 16.5′ V.C.
610+00
615+00
620+00
625+00
630+00
635+00
640+00
645+00
650+00
655+00
660+00
665+00
670+00
675+00
680+00
685+00
690+00
695+00
700+00
705+00



1050'
300' R.O.W.
NSITION
-300'
PICAL
E ROADS)

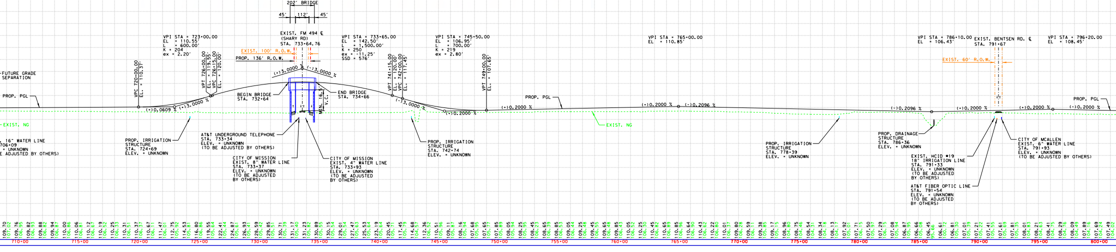


McALLEN FOREIGN TRADE ZONE
CITY OF McALLEN
CITY OF GRANJENO
FM 494 (SHARY RD.)
GLASSCOCK RD.
BENTSEN RD
MATCHLINE STA. 712+00
FM 494 (SHARY RD.) TRAFFIC DIAGRAM
3500 2600
1900 1400
1600 1200
1600 1200
1800 1300
3400 2500
100 200
2900 2100
1100 1400
1100 1400
2200 3100
100 200
3700 2700
900 1300
1800 1300
SH 365
3600 2600
900 1300
1800 1300
2100 2900
200 100
2700 2000
1600 1200
1600 1200
2100 2900
200 100
2300 3200
2000 2700
1300 1700
1300 1700
2200 3000
700 1000
900 1300
FM 494 (SHARY RD.)
LEGEND
1000 - 2016 ADT
1000 - 2036 ADT
EXIST. DRAINAGE SCTRUCTURE
EXIST. DRAINAGE OUTFALL
EXIST. DRAINAGE STRUCTURE (TO BE REMOVED)
EXIST. 100' R.O.W.
EXIST. DRAINAGE DITCH TO BE ABANDONED BY HUNT DEVELOPMENT
PROPOSED RAMPS GANTRY APPROX. LOCATION
GROUND MOUNT STA 748+50
EXIT
← Granjeno
GROUND MOUNT TYPE "D" STA 736+97
END INCIDENTAL CONSTRUCTION STA. 153+74
FUTURE SIGNALIZED INTERSECTION
PROP. 400' R.O.W.
END BRIDGE STA. 734+66
BEGIN BRIDGE STA. 732+64
PROP. IRRIGATION STRUCTURE STA. 724+69
FM 396
Anzalduas Intl. Bridge
EXIT 1 MILE
BENT MOUNTED CANTILEVER STA 723+00
PROP. 300' R.O.W.
McALLEN CITY LIMITS
GRANJENO CITY LIMITS
PROP. 50' C.C. (TYP.)
GROUND MOUNT TYPE "D" STA 730+00
Granjeno →
BEGIN INCIDENTAL CONSTRUCTION STA. 138+95
EXIST. 100' R.O.W.
EXIST. IRRIGATION LINE (TO REMAIN IN PLACE)
GROUND MOUNT STA 718+50
POT 135+00.00
FLOODWAY LEVEE
EXIST. DRAINAGE STRUCTURE
GROUND MOUNT STA 755+00
FM 494
Shary Rd
PROPOSED DETENTION AREA
EXIST. NORTH FLOODWAY LEVEE
PROP. 160' R.O.W.
GROUND MOUNT STA 775+00
FM 494
Shary Rd
EXIT ½ MILE
PROP. IRRIGATION STRUCTURE STA. 778+39
PC 781+77.28
EXIST. DRAINAGE OUTFALL
EXIST. DRAINAGE STRUCTURE
EXIST. DRAINAGE SCTRUCTURE
EXIST. OUTFALL CHANNEL
PROP. OUTFALL CHANNEL
EXIST. 40' R.O.W.
GROUND MOUNT STA 796+03
Granjeno
NEXT EXIT
365ML-4
PROP. CUL-DE-SAC (BY CITY OF McALLEN)
PROPOSED DETENTION AREA
N. FLOOD LEVEE
PROP. DRAINAGE STRUCTURE STA. 786+36
EXIST. DETENTION POND (APPROX. LOCATION & SHAPE)
PROP. DRAINAGE STRUCTURE CONNECTIN DETENTION PONDS
PROP. SH 365 ℄
PROP. 160' R.O.W.
Foreign Trade Zone
NEXT 2 EXITS
GROUND MOUNT STA 700+00
PILOT CHANNEL
McALLEN CITY LIMITS
HIDALGO COUNTY LIMITS
N 78° 53'
715+00
720+00
725+00
730+00
740+00
745+00
750+00
765+00
770+00
775+00
780+00
785+00
790+00
795+00
S2950-00-000-0033-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0034-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0035-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0024-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0025-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0026-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0023-00 LUNA, ARLENE 4607 S BRYAN RD MISSION, TX 78572-1519
S2950-00-000-0013-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0014-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0015-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0003-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0004-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0006-00 SARAI, PETE PO BOX 127 HIDALGO, TX 78557-0127
S2950-00-000-0037-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0038-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0027-05 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0023-00 HUNT VALLEY INDUSTRIAL I LP DIANE HORNQUIST 1445 ROSS AVE STE 1400 DALLAS, TX 75202-2751
S2950-00-000-0048-00 HUNT VALLEY INDUSTRIAL ILP 1445 ROSS AVE DALLAS, TX 75202-2711
R2900-00-006-0006-60 CITY OF McALLEN 1521 GALVESTON AVE McALLEN, TX 78501-5235
R2900-00-006-0006-20 MAGALLAN, DAGOBERTO 7409 S BENTSEN RD McALLEN, TX 78503-8984
FUTURE GLASSCOCK ROAD PROFILE
SCALE: VERT. 1" = 200' HORZ. 1" = 20'
LEGEND
PROP. PGL
EXIST. N.G.
MAIN LANES
DESIGN SPEED 30 MPH
CREST K = 19
SAG K = 37
SSD = 200
380' BRIDGE
110' 80' 80' 110'
PROP. SH 365 ℄ STA. 20+97.56
EXIST. FM 494 ℄ STA. 31+46.53
VPI STA = 13+65.00 EL = 108.95' L = 400.00' K = 106 ex = 1.89'
VPC 11+65.00 EL. = 108.51'
VPT 15+65.00 EL. = 116.95'
VPC 17+97.56 EL. = 126.25'
VPI STA = 20+97.56 EL = 138.25' L = 600.00' K = 75 ex = -6.00' SSD = 316'
VPT 23+97.56 EL. = 126.25'
VPC 27+05.00 EL. = 113.95'
VPI STA = 28+80.00 EL = 106.95' L = 350.00' K = 93 ex = 1.64'
VPT 30+55.00 EL. = 106.51'
BEGIN INCIDENTAL CONSTRUCTION STA. 10+00
END INCIDENTAL CONSTRUCTION STA. 30+88
(+)0.2200 %
(+)4.0000 %
(-)4.0000 %
(-)0.2500 %
MIN. 16.5' V.C.
PROP. PGL
EXIST. CL
10+00
15+00
20+00
25+00
30+00
VPI STA = 799+25.00 EL = 114.54'
800+00

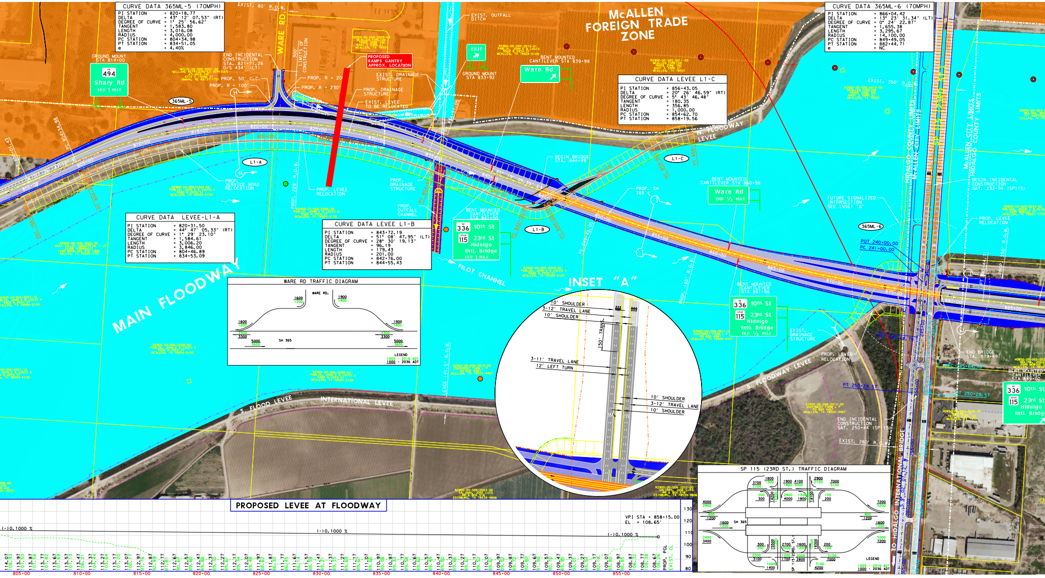
CURVE DATA 365ML-4 (70MPH)	
PI STATION	= 790+90.63
DELTA	= 7° 24' 44.99" (LT)
DEGREE OF CURVE	= 0° 24' 22.87"
TANGENT	= 913.35
LENGTH	= 1,824.15
RADIUS	= 14,100.00
PC STATION	= 781+77.28
PT STATION	= 800+01.43
e	= NC

NOTE

THE INTERSECTION OF TRAVEL WAYS FOR THE FRONTAGE ROAD/RAMP GORES IS DEFINED AS THE POINT WHERE THE CENTERLINES OF THE 8" SOLID WHITE GORE STRIPES ARE EXACTLY 8" APART.



202' BRIDGE
45' 112' 45'
EXIST. FM 494 ℄ (SHARY RD) STA. 733+64.76
EXIST. 100' R.O.W.
PROP. 136' R.O.W.
VPI STA = 723+00.00 EL = 110.55' L = 600.00' K = 204 ex = 2.20'
VPI STA = 733+65.00 EL = 142.50' L = 1,500.00' K = 250 ex = -11.25' SSD = 576'
VPI STA = 745+50.00 EL = 106.95' L = 700.00' K = 219 ex = 2.80'
VPI STA = 765+00.00 EL = 110.85'
VPI STA = 786+10.00 EL = 106.43'
EXIST. BENTSEN RD. ℄ STA. 791+67
VPI STA = 796+20.00 EL = 108.45'
EXIST. 60' R.O.W.
FUTURE GRADE SEPARATION
PROP. PGL
VPC 720+00.00 EL. = 110.37'
VPT 726+00.00 EL. = 119.55'
VPC 726+15.00 EL. = 120.00'
VPT 741+15.00 EL. = 120.00'
VPC 742+00.00 EL. = 117.45'
VPT 749+00.00 EL. = 107.65'
(+)0.0609 %
(+)3.0000 %
(+)3.0000 %
(-)3.0000 %
(-)3.0000 %
(+)0.2000 %
(+)0.2000 %
(+)0.2000 %
(-)0.2096 %
(-)0.2096 %
(+)0.2000 %
(+)0.2000 %
(-)0.2000 %
BEGIN BRIDGE STA. 732+64
END BRIDGE STA. 734+66
MIN. 16.5' V.C.
EXIST. NG
EXIST. NG
16" WATER LINE 706+09 = UNKNOWN E ADJUSTED BY OTHERS)
PROP. IRRIGATION STRUCTURE STA. 724+69 ELEV. = UNKNOWN
AT&T UNDERGROUND TELEPHONE STA. 733+34 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF MISSION EXIST. 8" WATER LINE STA. 733+37 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF MISSION EXIST. 4" WATER LINE STA. 733+93 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
PROP. IRRIGATION STRUCTURE STA. 742+74 ELEV. = UNKNOWN
PROP. IRRIGATION STRUCTURE STA. 778+39 ELEV. = UNKNOWN
PROP. DRAINAGE STRUCTURE STA. 786+36 ELEV. = UNKNOWN
EXIST. HCID #19 18" IRRIGATION LINE STA. 791+33 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T FIBER OPTIC LINE STA. 791+54 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF MCALLEN EXIST. 6" WATER LINE STA. 791+93 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
710+00
715+00
720+00
725+00
730+00
735+00
740+00
745+00
750+00
755+00
760+00
765+00
770+00
775+00
780+00
785+00
790+00
795+00
800+00



CURVE DATA 365ML-5 (70MPH)
PI STATION = 820+18.77
DELTA = 43° 12′ 07.53″ (RT)
DEGREE OF CURVE = 1° 25′ 56.62″
TANGENT = 1,583.80
LENGTH = 3,016.08
RADIUS = 4,000.00
PC STATION = 804+34.98
PT STATION = 834+51.05
e = 4.40%

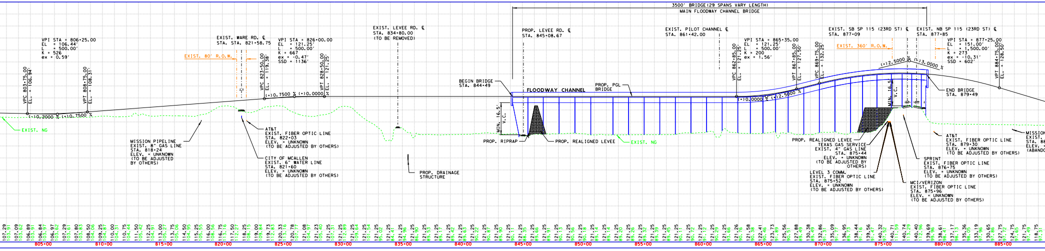
CURVE DATA 365ML-6 (70MPH)
PI STATION = 866+04.42
DELTA = 13° 23′ 31.34″ (LT)
DEGREE OF CURVE = 0° 24′ 22.87″
TANGENT = 1,655.38
LENGTH = 3,295.67
RADIUS = 14,100.00
PC STATION = 849+49.05
PT STATION = 882+44.71
e = NC

CURVE DATA LEVEE L1-C
PI STATION = 856+43.05
DELTA = 20° 26′ 46.59″ (RT)
DEGREE OF CURVE = 5° 43′ 46.48″
TANGENT = 180.35
LENGTH = 356.85
RADIUS = 1,000.00
PC STATION = 854+62.70
PT STATION = 858+19.56

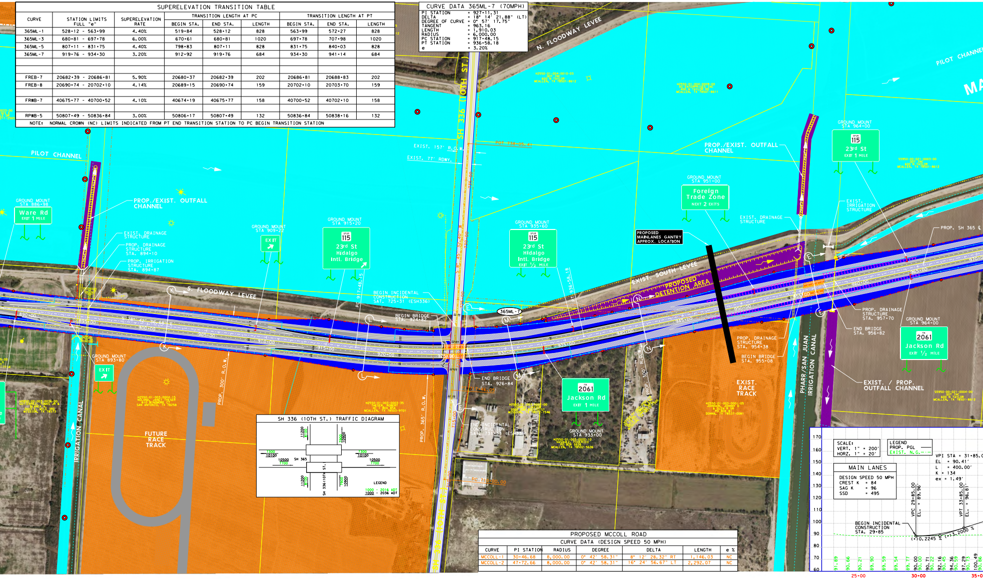
CURVE DATA LEVEE-L1-A
PI STATION = 820+31.50
DELTA = 44° 47′ 05.33″ (RT)
DEGREE OF CURVE = 1° 29′ 23.10″
TANGENT = 1,584.61
LENGTH = 3,006.20
RADIUS = 3,846.00
PC STATION = 804+46.89
PT STATION = 834+53.09

CURVE DATA LEVEE L1-B
PI STATION = 843+72.19
DELTA = 51° 08′ 47.95″ (LT)
DEGREE OF CURVE = 28° 30′ 19.13″
TANGENT = 96.19
LENGTH = 179.43
RADIUS = 201.00
PC STATION = 842+76.00
PT STATION = 844+55.43

McALLEN FOREIGN TRADE ZONE
MAIN FLOODWAY
INTERNATIONAL LEVEE
S. FLOOD LEVEE
N. FLOODWAY LEVEE
S. FLOODWAY LEVEE
PILOT CHANNEL
WARE RD
EXIST. 80′ R.O.W.
EXIST. OUTFALL DITCH
GROUND MOUNT STA 814+00
494 Shary Rd EXIT 1 MILE
END INCIDENTAL CONSTRUCTION STA. 821+71.26 O/S 434′ (LT)
PROPOSED RAMPS GANTRY APPROX. LOCATION
PROP. R = 200′
PROP. 50′ C.C.
PROP. R = 100′
PROP. R = 230′
EXIST. DRAINAGE STRUCTURE
PROP. DRAINAGE STRUCTURE
EXIST. LEVEE TO BE RELOCATED
EXIT
GROUND MOUNT STA 833+92
BENT MOUNTED CANTILEVER STA 839+99
Ware Rd
365ML-5
365ML-6
L1-A
L1-B
L1-C
PROP. SERVICE ROAD RELOCATION
PROP. LEVEE RELOCATION
PROP. OUTFALL CHANNEL
BEGIN BRIDGE STA. 844+49
PROP. SH 365
BENT MOUNTED CANTILEVER STA 860+96
Ware Rd EXIT 1/2 MILE
BENT MOUNTED CANTILEVER STA 841+50
336 10th St 115 23rd St Hidalgo Intl. Bridge EXIT 1 MILE
BENT MOUNTED CANTILEVER STA 867+96
336 10th St 115 23rd St Hidalgo Intl. Bridge EXIT 1/2 MILE
FUTURE SIGNALIZED INTERSECTION SEE INSET "B"
HIDALGO COUNTY LIMITS
McALLEN CITY LIMITS
BEGIN INCIDENTAL CONSTRUCTION SAT. 232+94 (SP115)
PROP. LEVEE RELOCATION
POT 240+00.00
PC 241+00.00
EXIST. 350′ R.O.W.
EXIST. DRAINAGE STRUCTURE
END BRIDGE STA. 879+49
BENT MOUNTED CANTILEVER STA 889+00
PT 250+29.57
END INCIDENTAL CONSTRUCTION SAT. 250+44 (SP115)
EXIST. 280′ R.O.W.
TO HIDALGO INTERNATIONAL BRIDGE
PROP. 150′ R.O.W.
INSET "A"
10′ SHOULDER
3-12′ TRAVEL LANE
10′ SHOULDER
150′ TRANS.
3-11′ TRAVEL LANE
12′ LEFT TURN
10′ SHOULDER
3-12′ TRAVEL LANE
10′ SHOULDER
WARE RD TRAFFIC DIAGRAM
WARE RD.
SH 365
LEGEND 1000 - 2016 ADT 1000 - 2036 ADT
SP 115 (23RD ST.) TRAFFIC DIAGRAM
PROPOSED LEVEE AT FLOODWAY
VPI STA = 858+15.00 EL = 108.65′
(-)0.1000 %
805+00
810+00
815+00
820+00
825+00
830+00
835+00
840+00
845+00
850+00
855+00



3500′ BRIDGE (29 SPANS VARY LENGTH)
MAIN FLOODWAY CHANNEL BRIDGE
VPI STA = 806+25.00 EL = 106.44′ L = 500.00′ K = 526 ex = 0.59′
VPC 803+75.00 EL. = 106.94′
VPT 808+75.00 EL. = 108.31′
(-)0.2000 %
(+)0.7500 %
EXIST. NG
EXIST. WARE RD. ℄ STA. 821+58.75
EXIST. 80′ R.O.W.
VPI STA = 826+00.00 EL = 121.25′ L = 500.00′ K = 667 ex = -0.47′ SSD = 1136′
VPC 823+50.00 EL. = 119.38′
VPT 828+50.00 EL. = 121.25′
(+)0.0000 %
EXIST. LEVEE RD. ℄ STA. 834+80.00 (TO BE REMOVED)
MISSION PIPELINE EXIST. 8″ GAS LINE STA. 818+24 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T EXIST. FIBER OPTIC LINE STA. 822+03 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
CITY OF McALLEN EXIST. 6″ WATER LINE STA. 821+60 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
PROP. DRAINAGE STRUCTURE
BEGIN BRIDGE STA. 844+49
PROP. LEVEE RD. ℄ STA. 845+08.67
FLOODWAY CHANNEL
PROP. PGL BRIDGE
MIN. 16.5′ V.C.
PROP. RIPRAP
PROP. REALIGNED LEVEE
EXIST. NG
EXIST. PILOT CHANNEL ℄ STA. 861+42.00
VPI STA = 865+35.00 EL = 121.25′ L = 500.00′ K = 200 ex = 1.56′
VPC 862+85.00 EL. = 121.25′
VPT 867+85.00 EL. = 127.50′
VPC 869+75.00 EL. = 132.25′
(+)2.5000 %
(-)3.0000 %
EXIST. SB SP 115 (23RD ST) ℄ STA. 877+09
EXIST. NB SP 115 (23RD ST) ℄ STA. 877+85
EXIST. 360′ R.O.W.
VPI STA = 877+25.00 EL = 151.00′ L = 1,500.00′ K = 273 ex = -10.31′ SSD = 602′
VPT 884+75.00 EL. = 128.50′
END BRIDGE STA. 879+49
PROP. REALIGNED LEVEE
TEXAS GAS SERVICE EXIST. 4″ GAS LINE STA. 875+44 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
LEVEL 3 COMM. EXIST. FIBER OPTIC LINE STA. 875+52 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T EXIST. FIBER OPTIC LINE STA. 879+30 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
SPRINT EXIST. FIBER OPTIC LINE STA. 876+75 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
MCI/VERIZON EXIST. FIBER OPTIC LINE STA. 875+96 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
805+00
810+00
815+00
820+00
825+00
830+00
835+00
840+00
845+00
850+00
855+00
860+00
865+00
870+00
875+00
880+00
885+00


N. FLOODWAY LEVEE
PILOT CHANNEL
SH 336 (10TH ST.)
PILOT CHANNEL
PROP./EXIST. OUTFALL CHANNEL
EXIST. 157' R.O.W.
EXIST. 77' RDWY.
GROUND MOUNT STA 886+98
Ware Rd EXIT 1 MILE
EXIST. DRAINAGE STRUCTURE
PROP. DRAINAGE STRUCTURE STA. 894+10
PROP. IRRIGATION STRUCTURE STA. 894+87
GROUND MOUNT STA 909+22
EXIT
GROUND MOUNT STA 915+20
115 23rd St Hidalgo Intl. Bridge
GROUND MOUNT STA 935+60
115 23rd St Hidalgo Intl. Bridge EXIT 1/2 MILE
GROUND MOUNT STA 951+00
Foreign Trade Zone NEXT 2 EXITS
GROUND MOUNT STA 964+00
115 23rd St EXIT 1 MILE
PROPOSED MAINLANES GANTRY APPROX. LOCATION
EXIST. DRAINAGE STRUCTURE
EXIST. IRRIGATION STRUCTURE
PROP. SH 365
EXIST. SOUTH LEVEE
PROPOSED DETENTION AREA
S. FLOODWAY LEVEE
BEGIN INCIDENTAL CONSTRUCTION SAT. 725+31 (ESH336)
BEGIN BRIDGE STA. 924+82
365ML-7
END BRIDGE STA. 926+84
END INCIDENTAL CONSTRUCTION SAT. 731+33 (ESH336)
GROUND MOUNT STA 893+80
EXIT
FUTURE RACE TRACK
IRRIGATION CANAL
PROP. 300' R.O.W.
PROP. 365' R.O.W.
2061 Jackson Rd EXIT 1 MILE
GROUND MOUNT STA 933+00
PROP. DRAINAGE STRUCTURE STA. 954+38
BEGIN BRIDGE STA. 955+08
EXIST. RACE TRACK
PROP. DRAINAGE STRUCTURE STA. 957+70
END BRIDGE STA. 956+82
GROUND MOUNT STA 964+00
2061 Jackson Rd EXIT 1/2 MILE
EXIST. / PROP. OUTFALL CHANNEL
PHARR/SAN JUAN IRRIGATION CANAL
SH 336 (10TH ST.) TRAFFIC DIAGRAM
SH 365
SH 336 (10TH ST.)
LEGEND
1000 - 2016 ADT
1000 - 2036 ADT
SCALE:
VERT. 1" = 200'
HORZ. 1" = 20'
LEGEND
PROP. PGL
EXIST. N.G.
MAIN LANES
DESIGN SPEED 50 MPH
CREST K = 84
SAG K = 96
SSD = 495
BEGIN INCIDENTAL CONSTRUCTION STA. 29+85
VPI STA = 31+85.00
EL = 90.41'
L = 400.00'
K = 134
ex = 1.49'
VPC 29+85.00 EL. = 89.96'
VPT 33+85.00 EL. = 96.81'
(-)0.2245 %
(+)3.2000 %
25+00
30+00
35+00

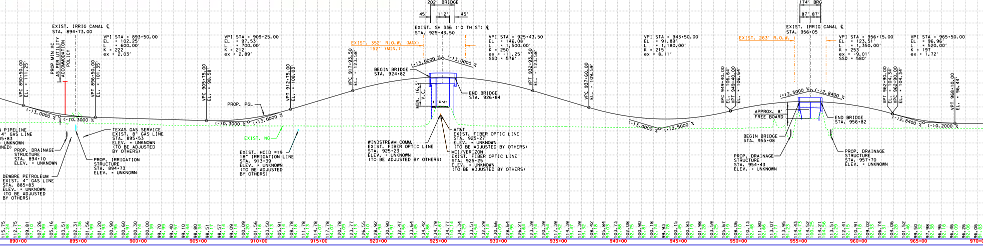
SUPERELEVATION TRANSITION TABLE								
CURVE	STATION LIMITS FULL "e"	SUPERELEVATION RATE	TRANSITION LENGTH AT PC			TRANSITION LENGTH AT PT		
			BEGIN STA.	END STA.	LENGTH	BEGIN STA.	END STA.	LENGTH
365ML-1	528+12 - 563+99	4.40%	519+84	528+12	828	563+99	572+27	828
365ML-3	680+81 - 697+78	6.00%	670+61	680+81	1020	697+78	707+98	1020
365ML-5	807+11 - 831+75	4.40%	798+83	807+11	828	831+75	840+03	828
365ML-7	919+76 - 934+30	3.20%	912+92	919+76	684	934+30	941+14	684
FREB-7	20682+39 - 20686+81	5.90%	20680+37	20682+39	202	20686+81	20688+83	202
FREB-8	20690+74 - 20702+10	4.14%	20689+15	20690+74	159	20702+10	20703+70	159
FRWB-7	40675+77 - 40700+52	4.10%	40674+19	40675+77	158	40700+52	40702+10	158
RPWB-5	50807+49 - 50836+84	3.00%	50806+17	50807+49	132	50836+84	50838+16	132

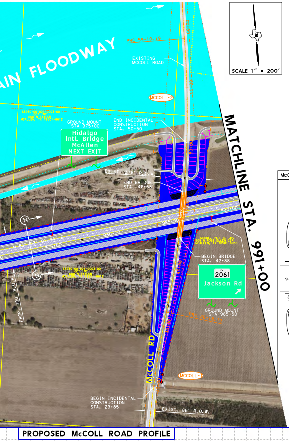
NOTE: NORMAL CROWN (NC) LIMITS INDICATED FROM PT END TRANSITION STATION TO PC BEGIN TRANSITION STATION

CURVE DATA 365ML-7 (70MPH)

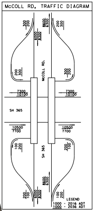
PI STATION = 927+11.31
DELTA = 18° 14' 21.88" (LT)
DEGREE OF CURVE = 0° 57' 17.75"
TANGENT = 963.16
LENGTH = 1,910.03
RADIUS = 6,000.00
PC STATION = 917+48.15
PT STATION = 936+58.18
e = 3.20%

PROPOSED MCCOLL ROAD						
CURVE DATA (DESIGN SPEED 50 MPH)						
CURVE	PI STATION	RADIUS	DEGREE	DELTA	LENGTH	e %
MCCOLL-1	30+46.68	8,000.00	0° 42' 58.31"	8° 12' 28.32" RT	1,146.03	NC
MCCOLL-2	47+72.66	8,000.00	0° 42' 58.31"	16° 24' 56.67" LT	2,292.07	NC

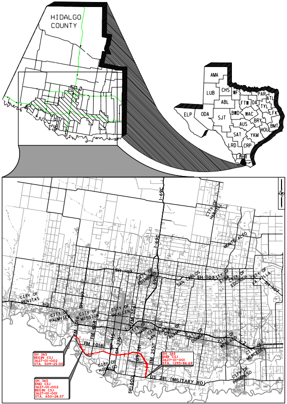

202' BRIDGE
45' 112' 45'
174' BRG
87' 87'
EXIST. IRRIG CANAL ℄ STA. 894+73.00
VPI STA = 893+50.00
EL = 102.25'
L = 600.00'
K = 222
ex = 2.03'
PROP MIN VC AS PER UTILITY ACCOMMODATION POLICY
VPC 890+50.00 EL. = 111.25'
VPT 896+50.00 EL. = 101.35'
VPI STA = 909+25.00
EL = 97.53'
L = 700.00'
K = 212
ex = 2.89'
VPC 905+75.00 EL. = 98.58'
VPT 912+75.00 EL. = 108.03'
VPC 917+93.50 EL. = 123.58'
EXIST. 352' R.O.W. (MAX)
152' (MIN.)
EXIST. SH 336 (10 TH ST) ℄ STA. 925+43.50
VPI STA = 925+43.50
EL = 146.08'
L = 1,500.00'
K = 250
ex = -11.25'
SSD = 576'
VPT 932+93.50 EL. = 123.58'
BEGIN BRIDGE STA. 924+82
MIN. 16.5' V.C.
END BRIDGE STA. 926+84
(+)3.0000 %
(-)3.0000 %
(-)3.0000 %
(-)0.3000 %
(-)0.3000 %
(+)3.0000 %
PROP. PGL
EXIST. NG
VPC 937+60.00 EL. = 109.59'
VPI STA = 943+50.00
EL = 91.89'
L = 1,180.00'
K = 215
ex = 8.11'
(-)3.0000 %
(+)2.5000 %
VPC 949+40.00 EL. = 106.64'
VPT 949+40.00 EL. = 106.64'
EXIST. 263' R.O.W.
EXIST. IRRIG CANAL ℄ STA. 956+05
VPI STA = 956+15.00
EL = 123.51'
L = 1,350.00'
K = 253
ex = -9.01'
SSD = 580'
(+)2.5000 %
(-)2.8400 %
APPROX. 8' FREE BOARD
END BRIDGE STA. 956+82
BEGIN BRIDGE STA. 955+08
VPT 962+90.00 EL. = 104.34'
VPC 962+90.00 EL. = 104.34'
VPI STA = 965+50.00
EL = 96.96'
L = 520.00'
K = 197
ex = 1.72'
VPT 968+10.00 EL. = 96.44'
(-)2.8400 %
(-)0.2000 %
PIPELINE
4" GAS LINE
5+83
= UNKNOWN
ONED)
PROP. DRAINAGE STRUCTURE STA. 894+10 ELEV. = UNKNOWN
TEXAS GAS SERVICE EXIST. 8" GAS LINE STA. 895+53 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
PROP. IRRIGATION STRUCTURE STA. 894+73 ELEV. = UNKNOWN
DEWBRE PETROLEUM EXIST. 4" GAS LINE STA. 885+83 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
EXIST. HCID #19 18" IRRIGATION LINE STA. 913+39 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
WINDSTREAM COMM. EXIST. FIBER OPTIC LINE STA. 925+23 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
AT&T EXIST. FIBER OPTIC LINE STA. 925+27 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
MCI/VERIZON EXIST. FIBER OPTIC LINE STA. 925+25 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
PROP. DRAINAGE STRUCTURE STA. 954+43 ELEV. = UNKNOWN
PROP. DRAINAGE STRUCTURE STA. 957+70 ELEV. = UNKNOWN
890+00
895+00
900+00
905+00
910+00
915+00
920+00
925+00
930+00
935+00
940+00
945+00
950+00
955+00
960+00
965+00
970+00



MAIN FLOODWAY
SCALE 1" = 200'
EXISTING MCCOLL ROAD
MCCOLL-2
GROUND MOUNT STA 975+00
END INCIDENTAL CONSTRUCTION STA. 50+50
Hidalgo Intl. Bridge McAllen NEXT EXIT
EXIST. 276' R.O.W.
END BRIDGE STA. 46+68
BEGIN BRIDGE STA. 42+88
2061 Jackson Rd
GROUND MOUNT STA 985+50
MATCHLINE STA. 991+00
McCOLL RD
MCCOLL-1
BEGIN INCIDENTAL CONSTRUCTION STA. 29+85
EXIST. 86' R.O.W.
PROP. 300' R.O.W.

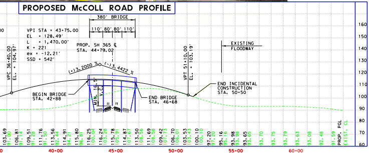


McCOLL RD, TRAFFIC DIAGRAM
MCCOLL RD.
SH 365
300 200
6000 8300
8600 6300
7300 10100
10500 7700
100 200
200 100
LEGEND
1000 - 2016 ADT
1000 - 2036 ADT

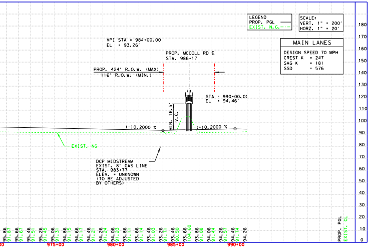


HIDALGO COUNTY
AMA
LUB
CHS
WFS
ABL
FTW
DAL
PAR
ATL
TYL
ELP
ODA
SJT
BWD
WAC
LFK
BRY
AUS
HOU
BMT
YKM
SAT
LRD
CRP
PHR
CITY OF PENITAS
CITY OF PALMVIEW
CITY OF MISSION
CITY OF McALLEN
CITY OF EDINBURG
CITY OF HIDALGO
CITY OF PHARR
CITY OF WESLACO
CITY OF MERCEDES
CITY OF PROGRESO
SH 107
US 83
FM 1016
FM 396
SH 336
FM 2061
FM 2557
US 281 (MILITARY RD)
SH 365 BEGIN CSJ 3627-01-002 STA. 509+25.00
SH 365 END CSJ 3627-01-002 BEGIN CSJ 3627-01-001 STA. 650+28.57
SH 365 END CSJ 3627-01-001 STA. 1295+86.69

VICINITY MAP SCALE: 1" = 40,000'



PROPOSED McCOLL ROAD PROFILE
380' BRIDGE
110' 80' 80' 110'
VPI STA = 43+75.00
EL = 128.49'
L = 1,470.00'
K = 221
ex = -12.21'
SSD = 542'
PROP. SH 365 ℄ STA. 44+79.02
EXISTING FLOODWAY
VPC 36+40.00 EL. = 104.97'
VPT 51+10.00 EL. = 103.19'
(+)3.2000 %
(-)3.4422 %
BEGIN BRIDGE STA. 42+88
END BRIDGE STA. 46+68
END INCIDENTAL CONSTRUCTION STA. 50+50
MIN. 16.5' V.C.
40+00
45+00
50+00
55+00
60+00
PROP. PGL
EXIST. GL



LEGEND
PROP. PGL
EXIST. N.G.
SCALE:
VERT. 1" = 200'
HORZ. 1" = 20'
MAIN LANES
DESIGN SPEED 70 MPH
CREST K = 247
SAG K = 181
SSD = 576
VPI STA = 984+00.00
EL = 93.26'
PROP. McCOLL RD ℄ STA. 986+17
PROP. 424' R.O.W. (MAX)
116' R.O.W. (MIN.)
STA = 990+00.00
EL = 94.46'
MIN. 16.5' V.C.
(-)0.2000 %
(+)0.2000 %
EXIST. NG
DCP MIDSTREAM EXIST. 8" GAS LINE STA. 983+77 ELEV. = UNKNOWN (TO BE ADJUSTED BY OTHERS)
975+00
980+00
985+00
990+00
PROP. PGL
EXIST. GL

DESIGN DATA

SH 365

PROJECT NET LENGTH : 14.9 MILES

CSJ : 3627-01-001

NET LENGTH : 12.23 MILES

LIMITS : FROM STA. 650+28.57 (FM 396 & GSA CONNECTOR)
: TO STA. 1295+86.69 (US 281 MILITARY ROAD)

CSJ : 3627-01-002

NET LENGTH : 2.67 MILES

LIMITS : FROM STA. 509+25.00 (½ MI WEST OF FM 1016 CONWAY RD)
: TO STA. 650+28.57 (FM 396 & GSA CONNECTOR)

FUNCTIONAL CLASSIFICATION : PRINCIPAL ARTERIAL (FREEWAY)

ADT (2016) : 15,000
(2036) : 20,600

e MAX : 6%

DESIGN CRITERIA : TxDOT ROADWAY DESIGN MANUAL
CHAPTER 3, SECTION 6 - (FREEWAYS)

ROBERT J. MACHESKA
93540

DESIGN SPEED TABLE	
MAINLANES	70 MPH STA. 510+63.87 TO 1295+86.00
RAMP	50 MPH STA. 510+63.87 TO 1295+86.00
FRONTAGE	50 MPH STA. 510+63.87 TO 1295+86.00
GSA CONNECTOR	45 MPH
CROSSROADS	
GLASSCOCK ROAD	30 MPH
FM 494	55 MPH
WARE ROAD	30 MPH
SP 115 (23rd ST)	55 MPH

DESIGN SPEED TABLE	
CROSSROADS	
SH 336 (10th ST.)	60 MPH
MCCOLL RD	50 MPH
ANAYA RD.	30 MPH
McCOLL RD.	40 MPH
FM 2061	55 MPH
US 281	55 MPH
I RD.	45 MPH
FM 3072	55 MPH

NOTE: FOR TYPICAL SECTIONS SEE ROLL 2 OF 2

PLAN LEGEND

- CITY LIMITS
- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY
- EXISTING INTERNATIONAL LEVEE R.O.W.
- CONTROL OF ACCESS
- BEGIN/END R.O.W. TRANSITION
- PROPOSED RETAINING WALL
- PROPOSED TOE OF SLOPE
- 🟧 PROPOSED GAS EASEMENT
- ▭ EXISTING ROADWAY (TO REMAIN)
- ▭ PROPOSED ROADWAY
- ▭ EXISTING BRIDGE (TO REMAIN)
- 🟧 PROPOSED BRIDGE MAINLANES
- ▨ EXISTING DRAINAGE CHANNEL
- 🟪 PROPOSED DRAINAGE CHANNEL
- 🟩 EXISTING USFWS CORRIDOR/TRACT
- ▨ EXISTING FLOODWAY
- 🟧 EXISTING CONSTRAINTS
- ▨ FUTURE PAVEMENT / ULTIMATE SECTION
- 🟥 EXISTING ROAD TO BE OBLITERATED
- 🟨 AREAS OF IMPACT
- ▨ PROPOSED RIPRAP
- 🟦 PROPOSED R.O.W.
- ⬛ PROPOSED MAINLANES GANTRY
- 🟥 PROPOSED RAMPS GANTRY
- EXIST. DRAINAGE STRUCTURE/CHANNEL
- PROP. DRAINAGE STRUCTURE/CHANNEL
- EXIST. IRRIGATION STRUCTURE
- PROP. IRRIGATION STRUCTURE
- ➡ PROPOSED TRAFFIC
- ⇨ EXISTING TRAFFIC
- PROPOSED DRAINAGE FLOW
- EXISTING DRAINAGE FLOW

UTILITIES LEGEND

- OP EXIST. OVERHEAD POWER LINE
- P EXIST. UNDERGROUND POWER LINE
- HVTL EXISTING HIGH TENSION POWER LINES
- G EXIST. GAS LINE
- W EXIST. WATER LINE
- SS EXIST. SANITARY SEWER LINE
- FM EXIST. SANITARY SEWER FORCEMAIN
- FOL EXIST. UNDERGROUND FIBER OPTIC
- OC EXIST. AERIAL FIBER OPTIC
- T EXIST. UNDERGROUND TELEPHONE
- EXISTING IRRIGATION LINES
- ☼ DRY HOLE
- ☼ GAS WELL
- ● HORIZONTAL DRAIN HOLE
- ☀ OIL/GAS WELL
- ● PERMITTED LOCATION
- ☼ PLUGGED GAS WELL
- ● PLUGGED OIL WELL
- ☀ PLUGGED OIL/GAS WELL
- ☼ SHUT-IN WELL (GAS)
- ● SIDETRACK WELL SURFACE LOCATION

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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L&G Engineering
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Structural / Bridge
Environmental
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900 S. Stewart Rd., Ste. 10
Mission, TX. 78572
Phone : (956) 585-1909
Fax : (956) 585-1927

SH 365
SCHEMATIC
STA. 509+25.00 TO STA. 991+00.00

ROLL 1 OF 2

DRAWING: R.R.	FED. RD. DIV. NO.	STATE	PROJECT NO.		HIGHWAY NO.
CK: M.C.	6	TEXAS			
ENGINEER M.C.	STATE DIST. NO.	COUNTY	CONT	SECT	JOB	SHEET NO.
CK: G.L.	PHR	HIDALGO	3627	01	001,002	
REVIEW:						
CK:						