SPECIFICATION
TURN LANE and DRIVEWAY ADDITIONS
SR-42 (US-98) at SOUTH DRIVE - FAIRHOPE
NINTH DIVISION - DISTRICT TWO

REQN #: 904 – 390662
SNAP #: 1509124

1.0 CONTRACTOR REQUIREMENTS – GENERAL

1.1 PURSUANT TO SECTION 34-8-1(A) OF THE CODE OF ALABAMA, EACH VENDOR MUST SUBMIT WITH THEIR BID PROOF OF LICENSING THROUGH THE ALABAMA STATE BOARD OF LICENSING FOR GENERAL CONTRACTORS, WITH APPROVED MAXIMUM BID LIMITS SUFFICIENT TO COVER THE BID RELATED TO THIS SPECIFICATION. **FAILURE TO COMPLY WILL BE CAUSE FOR REJECTION OF THE BID.** A COPY OF THE VENDOR'S CURRENT YEAR'S LICENSE WILL EXPEDITE THE EVALUATION PROCESS.

***** APPLIES TO BIDS IN EXCESS OF $50,000.00 ONLY *****

1.2 EACH VENDOR MUST SUBMIT WITH THEIR BID PROOF OF LIABILITY INSURANCE IN THE MINIMUM AMOUNT OF $1,000,000 PER OCCURRENCE, $2,000,000 AGGREGATE. EACH VENDOR SHALL FURTHER PROVIDE PROOF OF WORKMAN'S COMPENSATION INSURANCE SUFFICIENT TO SATISFY ALL LEGAL REQUIREMENTS OF THE STATE OF ALABAMA. **FAILURE TO PROVIDE THIS DOCUMENTATION WITH THE BID PACKAGE WILL BE CAUSE FOR REJECTION OF THE BID. (NO EXCEPTIONS).**

1.3 IN ACCORDANCE WITH SECTION 41-16-59 OF THE CODE OF ALABAMA, THE SUCCESSFUL BIDDER ON THIS SOLICITATION IS RESTRAINED FROM ASSIGNING OR SUB-CONTRACTING ANY PORTION OF THE WORK UNDER THIS CONTRACT WITHOUT PRIOR WRITTEN APPROVAL OF THE TRANSPORTATION DIRECTOR AND THE DIRECTOR OF PURCHASING.

1.4 DUE TO THE NATURE OF THIS PROJECT, AWARD WILL BE MADE ON "**ALL OR NONE**" BASIS TO THE RECOMMENDED VENDOR, WHO DURING THE COURSE OF OUR BID EVALUATION, IS FOUND TO BE THE LOWEST RESPONSIBLE BIDDER.

1.5 THE VENDOR SHALL INDEMNIFY AND SAVE HARMLESS THE STATE, THE DEPARTMENT, THE OFFICERS AND EMPLOYEES FROM ALL SUITS, ACTIONS OR CLAIMS OF ANY CHARACTER BROUGHT BECAUSE OF ANY INJURIES OR DAMAGES RECEIVED OR SUSTAINED BY ANY PERSON, PERSONS OR PROPERTY DUE TO THE OPERATIONS OF THE SAID VENDOR; OR BECAUSE OF OR IN CONSEQUENCE OF ANY NEGLECT IN SAFEGUARDING THE WORK; OR THROUGH USE OF UNACCEPTABLE MATERIALS IN CONSTRUCTING THE WORK; OR BECAUSE OF ANY ACT OR OMISSION, NEGLECT OR MISCONDUCT OF SAID VENDOR; OR BECAUSE OF ANY CLAIMS OR AMOUNTS ARISING OR RECOVERED UNDER THE 'WORKMAN'S COMPENSATION ACT" OR ANY OTHER LAW, ORDINANCE, ORDER OR DECREE; AND SO MUCH OF THE MONEY DUE THE SAID VENDOR UNDER AND BY VIRTUE OF HIS CONTRACT AS MAY BE CONSIDERED NECESSARY BY THE DEPARTMENT FOR SUCH PURPOSE, MAY BE RETAINED FOR THE USE OF THE STATE; OR IN CASE NO MONEY IS DUE, HIS SURETY WILL BE HELD LIABLE UNTIL SUCH SUIT OR SUITS, ACTION OR ACTIONS, CLAIM OR

CLAIMS OF INJURIES OR DAMAGES AS AFORESAID SHALL HAVE BEEN SETTLED AND SUITABLE EVIDENCE TO THAT EFFECT FURNISHED TO THE DEPARTMENT; EXCEPT THAT MONEY DUE THE VENDOR WILL NOT BE WITHHELD WHEN THE VENDOR PRODUCES SATISFACTORY EVIDENCE THAT HE IS ADEQUATELY PROTECTED BY PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE.

1.6 THE SUCCESSFUL BIDDER MUST PROVIDE THE STATE OF ALABAMA WITH A PERFORMANCE BOND IN THE AMOUNT OF 100% OF THE TOTAL BID AMOUNT BEFORE ISSUANCE OF A PURCHASE ORDER. THE PERFORMANCE BOND SHALL NAME THE STATE OF ALABAMA AS THE CERTIFICATE HOLDER.

2.0 MATERIAL REQUIREMENTS

2.1 ALL MATERIALS UTILIZED WITHIN THE SCOPE OF WORK, AND OUTLINED WITHIN THIS REQUISITION, MUST CONFORM TO THE PROVISIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND SPECIAL PROVISIONS, CURRENT EDITIONS.

3.0 PERFORMANCE REQUIREMENTS

3.1 ALL WORKMANSHIP SHALL BE OF A PROFESSIONAL QUALITY AND STANDARD AS GENERALLY ACCEPTED IN THE TRADE. ALL WORKMANSHIP IS SUBJECT TO INSPECTION AND APPROVAL BY THE DISTRICT MANAGER, OR HIS DESIGNEE, AND MUST MEET THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, SPECIAL PROVISIONS, AND THE ALDOT STANDARD AND SPECIAL DRAWINGS, LATEST EDITION.

3.2 ATTENTION IS DRAWN TO THE FACT THAT THIS WORK WILL BE PERFORMED UNDER TRAFFIC CONDITIONS THAT REQUIRE SPECIAL CARE TO EXPEDITE THE WORK AND PREVENT UNDUE HAZARDOUS CONDITIONS. **TRAFFIC CONTROL WILL BE THE RESPONSIBILITY OF THE VENDOR IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND CHAPTER VI OF THE MOST CURRENT EDITION OF THE STANDARDS AND GUIDES FOR TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY AND INCIDENTAL MANAGEMENT OPERATIONS. CONTRACTOR SHALL PROVIDE A DETAILED TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK. ALL CONTRACTOR EMPLOYEES WHO ARE EXPOSED TO THE RISKS OF MOVING ROADWAY TRAFFIC OR CONSTRUCTION EQUIPMENT MUST WEAR HIGH-VISIBILITY APPAREL MEETING THE STANDARDS OF ANSI 107-1999 CLASS 3 LEVEL 2. ANY ALDOT DIVISION ENGINEER, DISTRICT MANAGER, DIVISION MAINTENANCE ENGINEER, CONSTRUCTION ENGINEER, OR PROJECT MANAGER SHALL HAVE THE RIGHT TO SUSPEND WORK PERFORMANCE OF A CONTRACTOR FOUND TO BE IN NON COMPLIANCE ON A PARTICULAR WORKSITE. THE CONTRACTOR'S TRAFFIC CONTROL PLAN MUST BE APPROVED BY ALDOT BEFORE THE CONTRACTOR BEGINS WORK.**

3.3 DURING BID EVALUATION, REFERENCES MAY BE REQUIRED OF ANY PARTICULAR CONTRACTOR IN ORDER TO DETERMINE EXPERIENCE, EXPERTISE AND PERFORMANCE CAPABILITY IN JOBS OF A SIMILAR SIZE, SCOPE AND NATURE. FAILURE OF A BIDDER TO PRESENT EVIDENCE OF ACCEPTABLE QUALIFICATIONS AND EXPERIENCE WILL RESULT IN REJECTION OF HIS BID.

3.4 PRICES ARE TO INCLUDE ALL EQUIPMENT, MATERIALS, TOOLS, TRANSPORTATION, LABOR AND OTHER NECESSARY INCIDENTALS FOR THE COMPLETION OF THIS WORK IN AN APPROVED AND SATISFACTORY MANNER. NO WORK WILL BE DONE WITHOUT PRIOR APPROVAL AND NOTIFICATION BY THE DISTRICT MANAGER, OR HIS DESIGNEE, AT LOCATIONS DESIGNATED.

3.5 NO WORK SHALL BE CONDUCTED ON THE ROADWAY JOBSITE DURING STATE AND FEDERAL HOLIDAY PERIODS, AND ANY SPECIAL EVENTS DEEMED APPROPRIATE BY THE ALDOT DISTRICT MANAGER. SPECIFIC DATES AND STOP/START TIMES FOR HOLIDAY PERIODS TO BE DETERMINED BY THE DISTRICT MANAGER.

SCOPE OF WORK

99-409-022-042-301
Turn Lane and Driveway Additions (Grade, Drain, Base & Pave) on SR-42 (US-98) at South Drive in Fairhope

Alabama Department of Transportation
Ninth Division

- This contract will be for grading the roadway profile and drainage area to install a turn lane addition, installing required drainage structures, applying crushed aggregate base course over the roadway addition, and applying bituminous asphalt concrete in lower binder, upper binder, and wearing surface layers according to the typical sections and other specifications given in the plans for the above referenced location.

- The contractor shall provide all equipment, materials, and labor required to adequately perform the work in accordance with the performance specifications included in this scope.

- The contractor shall maintain geometric controls by use of survey equipment to ensure finished grades are obtained as per contract drawings.

- The contractor shall provide traffic control as per ALDOT specifications in accordance with the Manual on Uniform Traffic Control Devices (2009 Edition).

- The contractor shall adhere to ALDOT specifications for all pay items and incidental items listed under this contract.

- Contractor shall be responsible for any and all damage/injury to vehicles/drivers/occupants related, either directly or indirectly, to construction operations being performed.

- Contractor shall be responsible for any and all cleanup associated with construction activities.

- All striping shall be done by ALDOT in conjunction with construction activities.

- Contractor shall not have lane closures during the weekend unless otherwise approved by the project engineer.

- The time allowed to complete this project shall not exceed 30 working days and shall be completed by August 15th 2013, whichever occurs first, or liquidated damages shall apply.

- In order to place a bid, contractors shall be required to attend a mandatory pre-bid on the following date:

    - _____

- Contractor shall coordinate all work through the Ninth Division Maintenance Engineer, Mr. Lee Reach at (251) 470-8230.

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	99-409-022-042-301	2013	1	65
CONTRACT ID NO				

ALABAMA
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED PROJECT NUMBER

TURN LANE AND DRIVEWAY ADDITIONS

GRADE, DRAIN, BASE, PAVE

ON SR-42 (US 98) AT SOUTH DRIVE IN FAIRHOPE

BALDWIN COUNTY

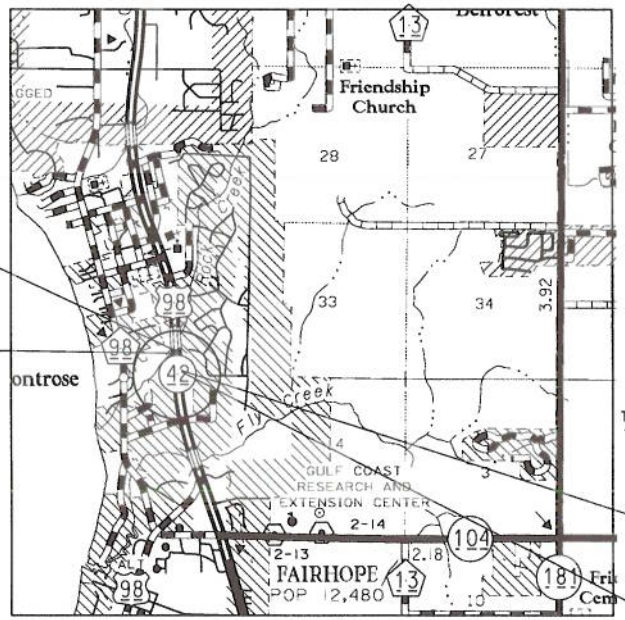
Preliminary Project No ( )
Code No 9903-6930-0104-99903-100059309-1

Design Designation

ADT ( ).....N/A
ADT ( ).....N/A
K .....N/A
D .....N/A
TDHV .....N/A
TADT .....N/A
V (Design Speed) .....N/A
Min Stopping Sight Dist .....N/A

These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2013 Edition.

PROJECT LOCATION



END WORK
STA 172+00

END PROJECT
STA 171+00

BEGIN PROJECT
STA 166+75

BEGIN WORK
STA 166+00

Existing Bridge
None

Equations & Exceptions
None

	US 98 TURNLANE		DRIVEWAY	
	FEET	MILES	FEET	MILES
Total Stationing of Project	425.00		100.00	
Equations & Exceptions	0.00		0.00	
Net Length of Project	425.00	0.080	100.00	0.019
Net Length of Bridges	0.00		0.00	
Net Length of Roadways	425.00	0.080	100.00	0.019

ALABAMA DEPARTMENT OF TRANSPORTATION
Submitted for Approval:

DIVISION ENGINEER

CHIEF ENGINEER
Approved:

TRANSPORTATION DIRECTOR

PREPARED BY:
ALDOT, 9TH DIVISION
DESIGN SECTION

INDEX TO SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	1A

SHEET NO.	DESCRIPTION
1	TITLE SHEET
1A	INDEX TO SHEETS
1B	INDEX TO SPECIAL AND STANDARD DRAWINGS
1C	OMIT
1D-1E	PLANS LEGEND SHEETS
1F	PRIMARY SURVEY CONTROL & GEOMETRIC LAYOUT
2	TYPICAL SECTIONS
2A	OMIT
2B	PROJECT NOTES SHEET
2C-2D	TRAFFIC CONTROL PLAN NOTES
3-3A	SUMMARY OF QUANTITIES
4-4A	PLAN AND PROFILE SHEETS
5	PAVING & STRIPING LAYOUT SHEET
6	UTILITY SHEET
7	TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION & QUANTITIES
7A-7E	TRAFFIC CONTROL DETAILS
8	EROSION CONTROL PLAN SHEETS
9	OMIT
30	DRAINAGE SECTIONS
50-53	MAINLINE CROSS SECTIONS
60	DRIVEWAY CROSS SECTIONS
65	EARTHWORK SUMMARY

INDEX TO SPECIAL & STANDARD HIGHWAY DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	1B

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2012, WHICH APPLY TO THIS PROJECT:

INDEX NO.	DRAWING NO.	DESCRIPTION
401	CC-630	DETAILS OF CONCRETE COLLAR FOR CONNECTING CONCRETE PIPE OF DIFFERENT SHELL THICKNESS OR CONNECTING CONCRETE TO CORRUGATED METAL PIPE
413	HW-614-B (SHEET 1 OF 2)	SLOPE PAVED HEADWALL DETAIL FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
414	HW-614-B (SHEET 2 OF 2)	SLOPE PAVED HEADWALL DETAIL FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
415	HW-614-SP	CONCRETE SLOPE PAVED HEADWALL AND GRATE FOR SIDEDRAIN PIPE
447	RPC-630 (SHEET 1 OF 2)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (AND H.D.P.E. PIPE)
448	RPC-630 (SHEET 2 OF 2)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS
450	HEP-1	HYDRAULICALLY EQUIVALENT ROUND PIPE (STORM SEWER)
501	JB-620-B	DETAILS OF JUNCTION BOX FOR 15"-60" PIPES TYPE-1 (0-10' FILL HEIGHT)
507	JB-621-P (SHEET 1 OF 2)	DETAILS OF PRECAST ROUND JUNCTION BOX TYPE 1P & 2P
507-A	JB-621-P (SHEET 2 OF 2)	DETAIL OF RECTANGULAR PRECAST JUNCTION BOX TYPE 1P & 2P
657	MI-621-Y	DETAILS OF SAFETY INLET TYPE "Y" FOR USE IN MEDIAN DRAIN WHERE DRAINS SLOPE IN TWO (2) DIRECTIONS AND CONVERGE IN A LOW POINT OR FOR USE WHERE DRAIN SLOPES ONE WAY
661	MIG-621-I	DETAILS OF DUCTILE OR MALLEABLE IRON GRATE CASTINGS FOR USE ON SAFETY MEDIAN DRAIN INLETS, TYPE "Y" AND TYPE "X".
738	TO-107	DETAILS OF INTERSECTIONS AND TURNOUTS
801	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
902	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, TYPE III & VERTICAL PANELS TYPE I AND TYPE II
1009	IPS-701-5	PAVEMENT TRAFFIC STRIPES FOR 6 LANE HIGHWAYS
1011	IPS-701-7	PAVEMENT TRAFFIC STRIPE FOR 4 LANE HIGHWAYS
1012	IPS-701-8	DETAILS OF TRAFFIC STRIPING ACCEL AND DECEL LANES AND RAMPS FOR 4 LANE RUAL HIGHWAYS WITH EITHER PAVED OR UNPAVED SHOULDERS
1013	IPS-701-9	DETAILS OF TRAFFIC STRIPING AUXILIARY LANES AND RAMPS (LANE ADDITION & LANE DROP)
1014	IPS-701-10	DETAILS OF MULTI LANE EXITS (WITH OPTIONAL LANE)
1015	IPS-701-11	DETAILS OF TAPERED ACCELERATION LANE
1016	IPS-701-12	DETAILS OF TWO-WAY TRAFFIC STRIPE MARKINGS FOR THREE LANE TRAFFIC
1027	PM-705-1	DETAIL OF PAVEMENT MARKERS CLASS A, A-H AND B
1028	PM-705-2	DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS
1029	PM-705-3 (SHEET 1 OF 2)	SPECIAL DRAWING SHOWING REFLECTORIZED MARKINGS TO BE USED ON MAIN LINE AND RAMPS
1030	PM-705-3 (SHEET 2 OF 2)	SPECIAL DRAWING SHOWING REFLECTORIZED MARKINGS TO BE PLACED ON MAIN LINE AND RAMPS
1031	PM-705-4	DETAILS OF BITUMINOUS RUMBLE STRIPS
1032	PM-705-5	DETAIL OF THERMOPLASTIC RUMBLE STRIPS
1033	PM-705-6	DETAIL SHOWING APPLICATION OF PAVEMENT MARKERS FOR 5-LANE ROADWAYS
1035	PS-701-3	DETAILS OF TRAFFIC STRIPING (FOUR LANES WITH FLUSH OR RAISED MEDIANS)
1036	PS-701-4	STRIPING DETAILS FOR 6 LANE ROADWAYS
1037	PS-701-6	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
1038	PS-701-7	STRIPING DETAILS FOR DROP LANES AND TURN LANES
1039	PS-701-8	STRIPING DETAILS FOR ACCELERATION AND DECELERATION LANES ON CONVENTIONAL ROADS AND EXPRESSWAYS
1041	SC-703	TYPICAL SCHOOL ZONE CROSSING PROTECTION SIGNING AND MARKINGS
1045	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES
1049	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS
1110	D-614	DETAILS OF PAVED DITCHES AND FLUMES
1160	ESC-100 (SHEET 1 OF 2)	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
1160-A	ESC-100 (SHEET 2 OF 2)	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
1161	ESC-200 (SHEET 1 OF 4)	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS
1161-C	ESC-200 (SHEET 4 OF 4)	DETAILS OF SILT FENCE INSTALLATION
1162	ESC-300 (SHEET 1 OF 7)	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
1162-B	ESC-300 (SHEET 3 OF 7)	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
1163	ESC-400 (SHEET 1 OF 4)	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
1163-D	ESC-400 (SHEET 4 OF 4)	INLET PROTECTION DETAILS OF SAND BAG
1201	IHS-710-1 (SHEET 1 OF 2)	WIND VELOCITY CHART FOR ROADSIDE SIGNS
1202	IHS-710-1 (SHEET 2 OF 2)	DESIGN CHARTS FOR BEAM SIGN SUPPORTS AND FOOTINGS
1203	IHS-710-2	BEAM POST DETAILS BASE CONNECTION TYPE-1 FUSE PLATE AND HINGE FOR POST 66" OR GREATER APART
1204	IHS-710-3	BEAM POST DETAILS BASE CONNECTION TYPE-2 FUSE PLATE AND HINGE FOR POST 66" OR LESS APART
1206	IHS-710-4	UNI-DIRECTIONAL AND MULTI-DIRECTIONAL SLIP BASE CONNECTION FOR SIGN POST TYPE 4 & 5
1210	HIS-710-8	DETAILS OF EXTRUDED ALUMINUM PANEL SIGNS
1211	IHS-710-9	DETAILS OF ALUMINUM LAMINATED SIGNS
1212	IHS-710-10	DETAILS OF ALUMINUM LAMINATED SIGNS
1213	IHS-710-11	DETAILS OF ALUMINUM LAMINATED SIGNS
1214	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
1215	IHS-710-13	HIGHWAY SIGN MOUNTING FOR STANDARD SIGNS ON LIGHT STANDARDS

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2012, WHICH APPLY TO THIS PROJECT:

INDEX NO.	DRAWING NO.	DESCRIPTION
1216	IHS-710-14	HIGHWAY SIGN MOUNTING FOR STANDARD SIGNS
1220	IHS-710-18	TYPICAL MOUNTING OF STANDARD ASSEMBLIES ON PIPE OR BEAM POST
1221	IHS-710-19	DETAILS OF MOUNTING SIGN ON ROUND BREAKAWAY TYPE POST AND TYPICAL MOUNTING OF ASSEMBLIES
1225	IHS-710-21	DETAIL FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
1229	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
1230	IHS-710-24	MOUNTING FLAT SHEET SIGN PANELS WITH EXTRUDED ALUMINUM STIFFENERS
1234	MP-710	DETAIL OF MILEPOST FOR 2-LANE AND 4-LANE HIGHWAYS USING ONE, TWO OR THREE DIGITS WITH STEEL "U" CHANNEL OR TUBULAR STEEL POST.
1238	SL-710	TYPICAL STOP AND YIELD SIGN LOCATION
1301	SHS-1	STANDARD HIGHWAY SIGNS
1309	SHS-9	STANDARD HIGHWAY SIGNS
1325	SHS-25	STANDARD HIGHWAY SIGNS
1327	SHS-27	STANDARD HIGHWAY SIGNS
1328	SHS-28	STANDARD HIGHWAY SIGNS
1329	SHS-29	STANDARD HIGHWAY SIGNS

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:			INDEX TO SPECIAL & STANDARD HIGHWAY DRAWINGS	US-98

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$DATES $TIMES $usk

PLANS LEGEND SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	1D

ROADWAY

55+00

CENTER LINE
STATE BOUNDARY LINE
COUNTY BOUNDARY LINE
CITY OR TOWN LIMITS
SECTION LINES — SEC 22 / SEC 23
QUARTER-SECTION LINES
RANGE-TOWNSHIP LINES — R-17-E / R-18-E
PROPERTY LINES — PL
PRESENT ROW
ACQUIRED ROW
DENIED ACCESS
REQUIRED FENCE
CONSTRUCTION LIMITS — CONST LIM
CLEARING LIMITS
RAILROAD
EXISTING WOOD FENCE
EXISTING BARBED WIRE FENCE
EXISTING CHAIN LINK FENCE
EXISTING ELECTRIC FENCE
EXISTING HOG WIRE FENCE
TREES
WOODS LINE
MARSH
EXISTING DITCH
REQUIRED DITCH
GRAVEL ROAD
EXISTING GUARDRAIL
REQUIRED GUARDRAIL
SATELLITE DISH
TRAFFIC LIGHT
BENCH MARK
SURVEY POINT
ENVIRONMENTAL CLEARED LIMITS — ENV

EXISTING PIPE
REQUIRED PIPE (WITH PIPE END TREATMENT)
REQUIRED PIPE END TREATMENT
EXISTING BOX CULVERT
REQUIRED BOX CULVERT
EXTENDED CULVERT
DROP INLET OR JUNCTION BOX (SEE PLANS DESCRIPTION)
BRIDGE
PIPE CULVERT (ELEVATION VIEW) — FL=410.25
BOX CULVERT (ELEVATION VIEW) — FL=420.55

	EXISTING	PROPOSED
POWER POLE		
LIGHT POLE		
TELEPHONE POLE		
ANCHOR		
STUB (POWER)		
STUB (TELEPHONE)		
ELECTRIC DUCT	EL 4MTD	EL 4MTD
BURIED ELECTRIC CABLE	BE	BE
OVERHEAD ELECTRIC CABLE	OE	OE
ELECTRIC MANHOLE	E	E
TOWER		
TELEPHONE PEDESTAL	T	T
TELEPHONE DUCT	TP 4MTD	TP 4MTD
BURIED TELEPHONE CABLE	BTC	BTC
OVERHEAD TELEPHONE CABLE	OTC	OTC
TELEPHONE MANHOLE	TM	TM
SANITARY SEWER	S	SS
WATER LINE	W	W
WATER MAIN	WM	WM
WATER VALVE		
FIRE HYDRANT		
WATER METER		
GAS LINE	G	G
GAS MAIN	GM	GM
GAS VALVE		
GAS REGULATOR		
BURIED CABLE TELEVISION	BTV	BTV
OVERHEAD CABLE TELEVISION	OTV	OTV

DRAINAGE STRUCTURE INDEX NUMBERS

DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAINAGE STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER.

8/88 — REQD 18" RCP — 9/88

ROADWAY PIPE EXAMPLE

ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.

SD/4 — REQD 18"

SIDE DRAIN PIPE EXAMPLE

DIRECTION OF FLOW

EXISTING PAVEMENT (RETAIN)
EXISTING PAVEMENT (REMOVE)
EXISTING PAVEMENT (RETAIN AND OVERLAY)
CONCRETE (EXISTING OR REQUIRED)
EXISTING CONCRETE (REMOVE)
RIP RAP (EXISTING OR REQUIRED)

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION — 9TH DIVISION DESIGN SECTION	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:			PLANS LEGEND SHEET	US-98

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PLANS ABBREVIATIONS SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	1E

ABBREVIATIONS

ABANDONED	ABAN
ABUTMENT	ABUT
ACCELERATION	ACCL
ACQUIRED	ACQD
ACRE	AC
AHEAD	AH
ALABAMA	AL
ALABAMA DEPARTMENT OF TRANSPORTATION	ALDOT
ALTERNATE	ALT
APPROXIMATELY	APP
AREA	A
ASPHALT	ASP
AVERAGE ANNUAL DAILY TRAFFIC	AADT
BACK	BK
BACK OF GUARDRAIL	BK-GR
BACKSIGHT	BS
BARBED WIRE	B/W
BARREL	BBL
BARRIER	BAR
BASE LINE	BL or ℄
BEARING	BRNG
BEGIN	BEG
BEGINNING OF PROJECT	BOP
BETWEEN	BTW
BILLBOARD	BBD
BENCH MARK	BM
BITUMINOUS	BIT
BITUMINOUS COATED CORRUGATED METAL PIPE	BCCMP
BOUNDARY	BDY
BRIDGE	BRG
BRIDGE END SLAB	BES
CAPACITY	CAPY
CAST IRON	CI
CAST IN PLACE	CIP
CATCH BASIN	CB
CENTER LINE	℄
CHAIN LINK	C/L
CLASS	CLS
CONCRETE	CONC
CONNECTION	CONN
CONSTRUCTION LIMITS	CONST LIM
CORNER	COR
CORRECTION	CORR
CORRUGATED IRON	CORI
CORRUGATED METAL	CM
CORRUGATED METAL PIPE	CMP
CORRUGATED PLASTIC PIPE	CPP
COUNTY	CO
COUNTY ROAD	CO-RD
CREEK	CK
CROSS SECTION	X-SECT
CROWN REMOVED	CR
CUBIC FEET	FT3 or CU FT
CUBIC FEET PER SECOND	CFS
CUBIC YARD	YD3 or CU YD
CUBIC METERS	M3
CULVERT	CULV
CULTIVATED	CULT
CURB FACE	CF
CURB AND GUTTER	C&G
CUT	C
CURVE TO SPIRAL	CS
DECELERATION	DECEL
DECLINATION	DECL
DEGREE OF CURVE	D
DENIED ACCESS	D/A
DEPARTURE	DEP
DIAMETER	DIA
DIRECTION	DIR
DISTANCE	DIST
DOUBLE	DBL
DOUBLE BARREL CULVERT	CD
DRAINAGE AREA	DA
DRIVE	DR
DROP INLET	DI
EACH	EA
EASEMENT	ESMT
EAST	E
EAST BOUND ROADWAY	EBR
EDGE OF PAVEMENT	EP
ELEVATION	EL or ELEV
END OF RETURN	ER
END ANCHOR	E/A
END OF PROJECT	EOP
EQUATION	EQ
EXCAVATION	EXCAV
EXISTING	EX
EXPANSION	EXP
EXTENSION	EXT
EXTERNAL	E
EXTRA STRENGTH	EXT STR
FEET	FT
FILL	F
FILTER BLANKET	FLT BLNK
FINISHED GRADE	FG
FINISHED SURFACE	FS
FISCAL YEAR	FY
FIXED	FIX
FLAT BOTTOM	FB
FLOW LINE	FL or ℞
FORESIGHT OR FRONTSIGHT	FST
FRACTIONAL	FRAC
FULL SUPERELEVATION	FS
GALLON	GAL
GASOLINE PUMPS	GPP
GARAGE	GAR
GAUGE	GA
GIRDER	GDR
GOVERNMENT	GOV
GRASS	GRS
GRADE CHANGE	GC
GRADE POINT	GP
GRADE ROD	GRD
GRAVEL	GRV
GUARDRAIL	GR
HEADWALL	HDWL
HECTARE	HA
HIGH WATER MARK	HWM
HEIGHT	HT
HEIGHT OF INSTRUMENT	HI
HIGH WATER	HW
HIGHWAY	HWY
HOGWIRE	H/W
HORIZONTAL	HOR
HUB & TACK	H&T
HYDRANT	HYD
IMPACT ATTENUATOR	IA
IN ACCORDANCE WITH	I/A/W
IN PLACE	IN-PL
INCHES	IN
INCLUDING	INCL
INSTRUMENT	INST
ISLAND	ISL
JOINT	JT
JUNCTION	JCT
JUNCTION BOX	JB
KILOMETER	KM
KILOMETER POST	KMP
KILOMETERS PER HOUR	KPH
LANE	LN
LATITUDE	LAT
LEFT	LT
LEFT AHEAD	LA
LEFT BACK	LB
LENGTH OF CURVE	L
LINK	LK
LIMIT	LIM
LINEAR	LIN
LINEAR FEET	LIN FT
LONGITUDE	LONG
MANHOLE	MH
MARKER	MRK
MAXIMUM	MAX
MEAN HIGH WATER	MHW
MEAN LOW WATER	MLW
MEASUREMENT	MEAS
MEDIAN	MED
METER	M
MERIDIAN	MER
MILE POST	MP
MILES	MI
MILES PER HOUR	MPH
MILLIMETER	MM
MINIMUM	MIN
MONUMENT	MON
MULTIPLE	MULT
NORMAL	NORM
NORMAL CROWN	NC
NORMAL CROWN SLOPE	NCS
NORTH	N
NORTH BOUND ROADWAY	NBR
NORTHING-EASTING	NE
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
NUMBER	NO
OBSERVATION	OBS
ON CENTER	OC
ORIGINAL	ORIG
OVERHEAD	OHD
OVERHAUL	OH
OUT TO OUT	OO
PAINT	PNT
PAVED	PVD
PAVED SHOULDER	PVD SH
PAVEMENT	PVMT
PIPE END TREATMENT	PET
PIPE ENTERING CULVERT	PEC
PLATE GIRDER	PL GDR
POINT OF BEGINNING	POB
POINT OF COMPOUND CURVE	PCC
POINT OF CURVATURE	PC
POINT OF REVERSE CURVATURE	PRC
POINT OF ENDING	POE
POINT OF INTERSECTION	PI
POINT OF TANGENCY	PT
POINT ON CURVE	POC
POUND	LB
PRESENT	PRES
PROFILE GRADE	PG
PROJECT	PROJ
PROJECT CONTROL	PJC
PROPERTY LINE	ℙ
PROPOSED	PROP
QUADRUPLE	QUAD
QUADRUPLE BARREL CULVERT	CQ
QUANTITY	QUANT
RADIUS	R
RAILROAD	RR
RANGE	RGE
RECORD	REC
REDUCTION	RED
REFERENCE	REF
REFERENCE POINT	RP
REFERENCE POINT FOR POINT ON TANGENT	RPPOT
REINFORCED	REINF
REINFORCED CONCRETE	RC
REINFORCED CONCRETE DECK GIRDER	RCDG
REINFORCED CONCRETE PIPE	RCP
REINFORCING STEEL	REINF STL
RELOCATE	RELC
REMOVE	REM
REQUIRED	REQD
RETAINING	RET
REVERSE CROWN	RC
REVISION	REV
RIGHT	RT
RIGHT AHEAD	RA
RIGHT BACK	RB
RIGHT OF WAY	ROW
RIGHT OF WAY MARKER	ROWM
RIVER	RIV
ROAD	RD
ROADWAY	RDWY
SECTION	SEC
SERVICE ROAD	SER RD
SHEET	SHT
SHEET PILING	SHT PILE
SHOULDER	SHLD
SIDE DRAIN	SD
SIDEWALK	SW
SIGHT DISTANCE	S DIST
SINGLE BARREL CULVERT	CS
SKEW	SK
SLOPE STAKE	SST
SOLID SODDING	SOL SOD
SOUTH	S
SOUTH BOUND ROADWAY	SBR
SPECIAL	SP
SPECIAL DITCH	SP-DT
SPECIAL DITCH LEFT	SDL
SPECIAL DITCH MEDIAN	SDM
SPECIAL DITCH RIGHT	SDR
SPECIAL DRAWING	SP-DWG
SPECIFICATIONS	SPEC
SPRING LINE	SL
SPIRAL TO CURVE	SC
SPIRAL POINT OF INTERSECTION	SPI
SPIRAL TO TANGENT	ST
SQUARE	SQ
SQUARE FEET	FT2 or SQ FT
SQUARE METERS	M2
SQUARE YARD	YD2 or SQ YD
STAKE	STK
STANDARD	STD
STANDARD DRAWING	STD-DWG
STANDARD STRENGTH	STD STR
STATION	STA
STATION & ELEVATION	S/E
STATION & OFFSET	SO
STOPPING SIGHT DISTANCE	SSD
STREET	ST
STRUCTURE	STR
SUB-GRADE	SG
SUPERELEVATION	SE
SURVEY	SRV
SYMMETRICAL	SYM
TANGENT	TAN
TANGENT LENGTH (CURVE DATA)	T
TANGENT TO SPIRAL	TS
TEMPORARY	TEMP
TEMPORARY BENCH MARK	TBM
THROAT	TH
TOWNSHIP	TSHP
TRIPLE	TR
TRIPLE BARREL CULVERT	CT
TURN OUT	TO
TURNING POINT	TP
TYPE	TY
UNIT	U
UNPAVED	UNPVD
VALLEY GUTTER	VG
VARIABLE	VAR
VERTICAL	VERT
VERTICAL CURVE	VC
VERTICAL POINT OF CURVATURE	PVC
VERTICAL POINT OF INTERSECTION	PVI
VERTICAL POINT OF TANGENCY	PVT
VITRIFIED	VIT
VOLUME	VOL
WEST	W
WEST BOUND ROADWAY	WBR
WING WALL	WW
WITNESS CORNER	WC
WOOD	WD
WORKING POINT	WP
WOVEN WIRE	W/W
YARD	YD

STRUCTURES

NUMBER OF STORIES	1, 2, 3, 4
FRAME	FR
BUILDING	BLDG
BLOCK	BLK
BRICK	BR
STUCCO	STU
METAL	MET
RESIDENCE	RES
BUSINESS	BUS
WAREHOUSE	WHSE
CHICKEN HOUSE	CH HSE
CHURCH	CH
SCHOOL	SCH
DOUBLE WIDE MOBILE HOME	DW MH
MOBILE HOME	MH

UTILITIES

ANCHOR WIRE	AW
BURIED ELECTRIC	BE
BURIED FIBER OPTIC	BFO
BURIED TELEPHONE CABLE	BTC
BURIED CABLE TELEVISION	BTV
CAST IRON	CI
CIRCUIT	CKT
DUCTILE IRON	DUC IRON
EASEMENT	ESMT
FIBER OPTIC	FO
FIRE HYDRANT	FH
FORCED MAIN (SANITARY SEWER)	FM
GAS MAIN	GM
GAS METER	GMET
GAS VALVE	GV
GUY WIRE	GUY
HIGH PRESSURE	HP
KILOVOLT AMPS	KVA
MANHOLE	MH
MERCURY VAPOR LIGHT	MVL
OVERHEAD FIBER OPTIC	OFO
OVERHEAD TELEPHONE CABLE	OTC
OVERHEAD ELECTRIC CABLE	OE
OVERHEAD CABLE TELEVISION	OTV
PAIR	PR
PEDESTAL	PED
POLY-VINYL CHLORIDE PIPE	PVC
POWER POLE	PP
SANITARY SEWER	SS
SERVICE	SERV
STEEL	STL
STORM DRAIN	STM
STORM SEWER	STMS
SWITCH	SW
TELEPHONE	TEL
TELEPHONE MANHOLE	TMH
TRANSFORMER	TRAN
TRANSMISSION LINE	TR LN
TRIAXIAL CABLE (SERVICE)	TRIX
VITRIFIED CLAY PIPE	VCP
WATER MAIN	WM
WATER METER	WMET
WATER VALVE	WV

PROPERTY

DEED BOOK	DB
REAL PROPERTY BOOK	RP
PLAT BOOK	PB
MAP BOOK	MB
PAGE	PG
OFFICIAL RECORD	OR
CAPPED (TYPICAL PLASTIC SURVEYORS CAP)	CAP
ALUMINUM CAP	ALUM CAP
BRASS CAP	BR CAP
IRON PIPE	IP
CRIMPED	CR
REINFORCING STEEL	REBAR
CONCRETE MONUMENT	CM
DAMAGED	DAM
CHISELED X	CH X
HUB AND TACK	H&T
NAIL AND BOTTLE TOP	N&BT
PARKER-KALON (MASONARY NAILS)	PK NAIL
FENCE POST	F-POST
RAILROAD IRON	RR IRON
COTTON SPINDLE	COT SP
ANGLE IRON	ANGLE IRON

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

SHEET TITLE	ROUTE
PLANS ABBREVIATIONS SHEET	US-98

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kesk

STYLES

SDATES

PRIMARY SURVEY CONTROL & GEOMETRIC LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	1F

Project Name: 574471_US98 near Parker Rd
Description: US 98 near Parker Road at Presbyterian Dr.
Horizontal Alignment Name: US 98 Center Line

Element: Linear	STATION	NORTHING	EASTING
POB ( )	164+50.00	204210.804	1844564.293
POE ( )	172+76.07	205035.972	1844525.725

Tangent Length: 826.07
Design Speed (mph): 55.00
Tangent Direction: N 2°40'33.82" W

Project Name: 574471_US98 near Parker Rd
Description: US 98 near Parker Road at Presbyterian Dr.
Horizontal Alignment Name: DRIVEWAY
Style: CI Cross Rd

	STATION	NORTHING	EASTING
Element: Linear			
POB ( )	0+50.00	204861.500	1844552.910
PC ( )	0+52.23	204863.739	1844552.972

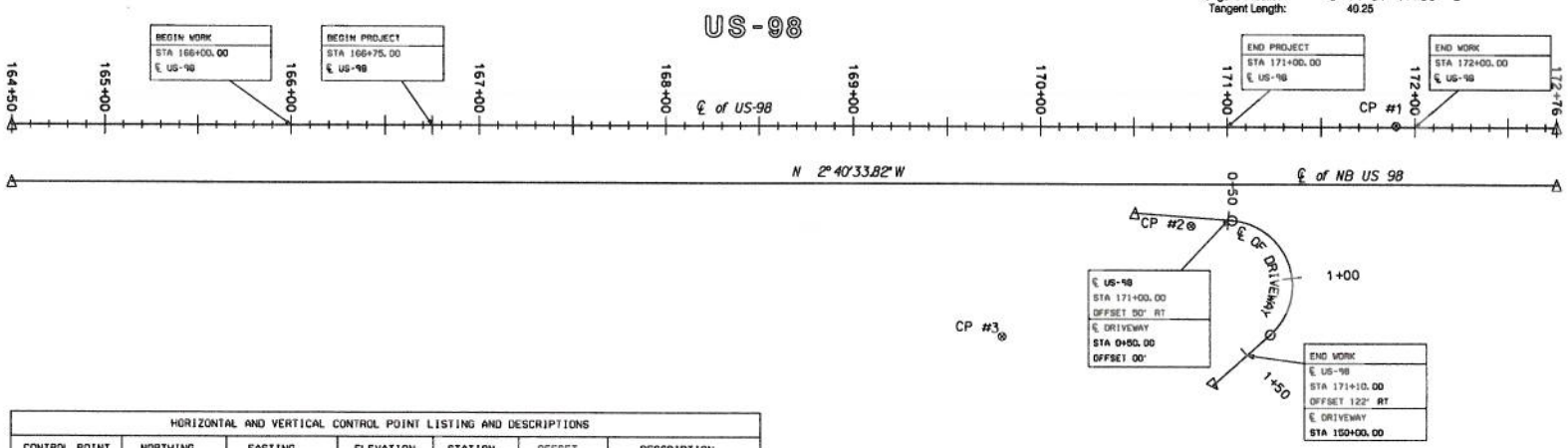
Tangent Length: 52.23
Tangent Direction: N 1°34'14.49" E

Element: Circular			
PC ( )	0+52.23	204863.739	1844552.972
PI ( )	1+34.61	204946.088	1844555.230
CC ( )		204862.789	1844587.589
PT ( )	1+33.46	204866.858	1844612.487

Radius: 34.63
Delta: 134°23'57.93" Right
Degree of Curvature(Arc): 165°27'04.62"
Length: 81.23
Tangent: 82.38
Chord: 63.85
Middle Ordinate: 21.21
External: 54.73
Tangent Direction: N 1°34'14.49" E
Radial Direction: S 88°25'45.51" E
Chord Direction: N 68°46'13.45" E
Radial Direction: S 45°58'12.42" W
Tangent Direction: S 44°01'47.58" E

Element: Linear			
PT ( )	1+33.46	204866.858	1844612.487
POE ( )	1+50.00	204874.980	1844623.990

Tangent Direction: S 44°01'47.58" E
Tangent Length: 40.25



HORIZONTAL AND VERTICAL CONTROL POINT LISTING AND DESCRIPTIONS						
CONTROL POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
CP #1	204948.412	1844498.723	50.62	171+89.87	31.06' LT	ROD AND CAP
CP #2	204841.921	1844556.974	52.66	170+80.77	22.15' RT	ROD AND CAP
CP #3	204743.345	1844620.361	64.00	169+79.34	80.87' RT	ROD AND CAP

NOTE: POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD83/92 (HPGN) ALABAMA STATE PLANE WEST ZONE, VERTICAL DATUM-NAVD 88, AND US SURVEY FOOT UNIT OF MEASURE. A COMBINED AVERAGED SCALE FACTOR OF 0.999965965 HAS BEEN CALCULATED USING THIS DATUM.

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	-	9TH DIVISION DESIGN SECTION		PRIMARY SURVEY CONTROL & GEOMETRIC LAYOUT	US-98

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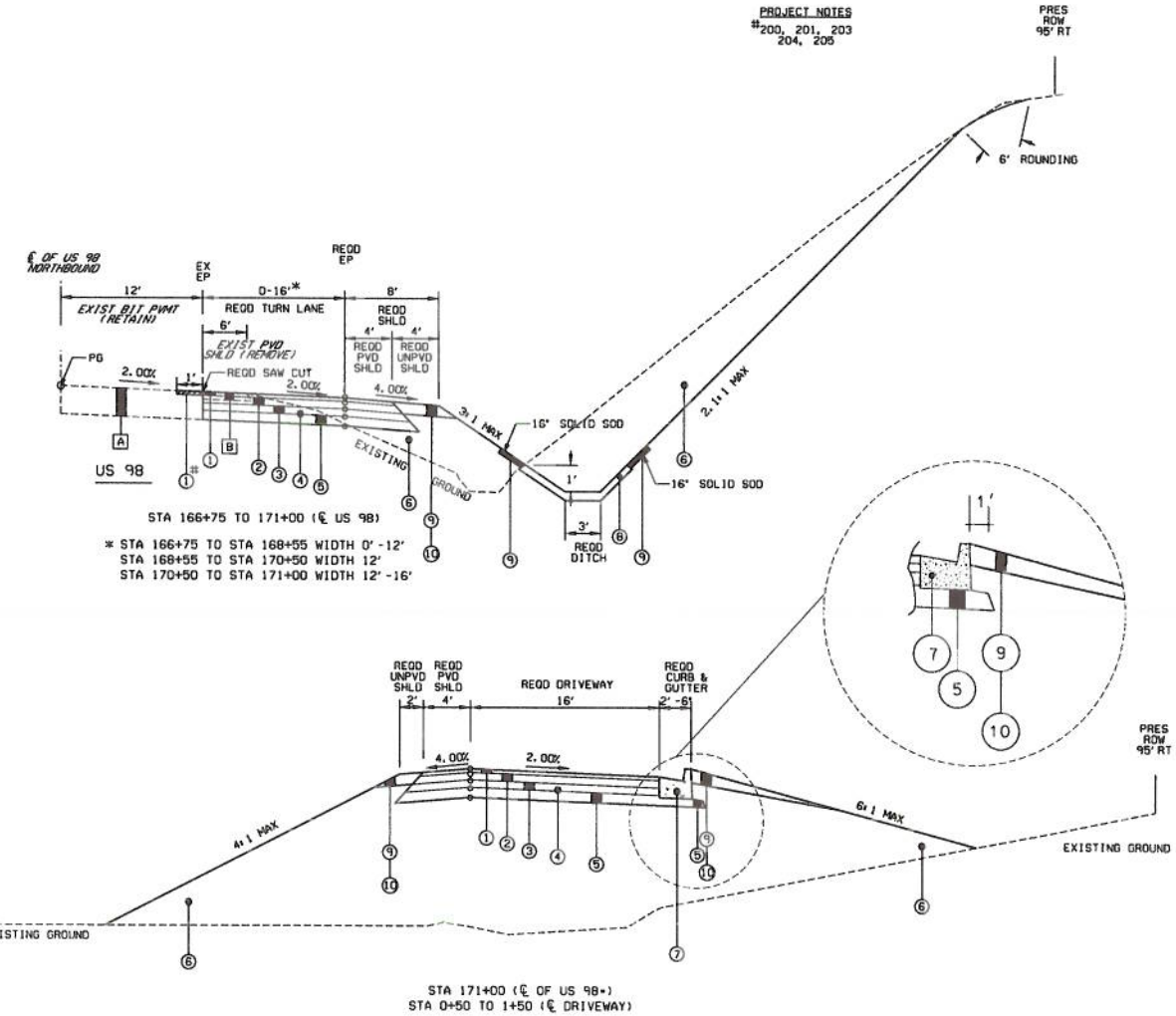
SEATS STIMES jack

TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	2

PROJECT NOTES
#200, 201, 203
204, 205



EXISTING MATERIALS LEGEND

A	EXISTING PAVEMENT BUILDUP (RETAIN)
B	EXISTING PAVED SHOULDER (REMOVE)

REQUIRED MATERIALS LEGEND

1	ITEM 424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP. 155 #/SY)
2	ITEM 424B-651	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP. 250 #/SY)
3	ITEM 424B-681	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APP. 250 #/SY)
4	ITEM 401A-000	BITUMINOUS TREATMENT A (WIDTH VARIES 0'-16')
5	ITEM 301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS (WIDTH VARIES 0'-16')
6	ITEM 210A-000 ITEM 210D-013	UNCLASSIFIED EXCAVATION AND/ OR BORROW EXCAVATION (A-4(0) OR BETTER)
7	ITEM 623C-002	COMBINATION CURB & GUTTER, TYPE C
8	ITEM 614A-000	SLOPE PAVING
9	ITEM 654A-001	SOLID SODDING (BERMUDA)
10	ITEM 650A-000	TOPSOIL (APP 4" THICK)

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				TYPICAL SECTIONS	US-98

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PROJECT NOTES SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	2B

200 COST OF REMOVING 1 FOOT OF ASPHALT SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NO. 424A

201 PRIOR TO PLACING TOPSOIL ON SHOULDERS AND SLOPES, THE NATURAL GROUND SURFACE OF THE SHOULDERS SHALL BE MOWED AND SACRIFIED AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NO. 650A. THIS WILL NOT PRECLUDE THE NEED FOR BENCHING AS REQUIRED BY THE SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

203 ANY CLEARING AND GRUBBING AT THE DRAINAGE STRUCTURES AND MISCELLANEOUS LOCATIONS DESIGNATED BY THE ENGINEER IS CONSIDERED INCIDENTAL AND THE COST OF SUCH WORK SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NO. 201A.

204 PRIOR TO PLACING ASPHALT BITUMINOUS PAVEMENT OVERLAYS, THE CONTRACTOR WILL BE REQUIRED TO CLEAR THE EXISTING EDGE OF PAVEMENT OF ALL TOPSOIL AND VEGETATION. UPON COMPLETION OF THE ASPHALT OVERLAY THE DISPACED TOPSOIL SHALL BE BLADED BACK AGAINST THE EDGE OF PAVEMENT AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NO. 424A.

205 IN CASES WHERE PAVEMENT AND/ OR PAVED SHOULDERS TO BE REMOVED ARE ADJACENT TO RETAINED PAVEMENT, A FULL DEPTH SAW CUT ALONG THE EDGE TO BE REMOVED SHALL BE MADE PRIOR TO REMOVAL. ALL COST RELATING TO THIS SHALL BE A SUBSIDIARY OBILGATION OF ITEM 210A-000. UNCLASSIFIED EXCAVATION.

300 THE COST OF REMOVAL AND DISPOSAL OF IN PLACE PAVEMENT MARKERS SHALL BE SUBSIDIARY OBLIGATION OF ITEM NO. 705A.

302 OMIT

303 REMOVAL AND DISPOSAL OF IN PLACE PAVED SHOULDERS AND OTHER PAVED AREAS DESIGNATED TO BE REMOVED SHALL BE PAID FOR UNDER ITEM 210A, UNCLASSIFIED EXCAVATION.

304 ITEMS TO BE REMOVED THAT ARE NOT PROVIDED FOR BY PAY ITEMS OR SPECIFICALLY MENTIONED BY THE NOTES TO BE INCLUDED IN OTHER ITEMS OF WORK SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK GIVEN IN ARTICLE 104.03 OF THE SPECIFICATIONS.

306 ON ALL REQUIRED SLOPES STEEPER THAN 3:1, THE CONTRACTOR SHALL PLACE TOPSOIL AND SOLID SODDING AS DIRECTED BY THE ENGINEER. THE SOD SHALL BE ANCHORED WITH 18 INCH SOD PINS IN SUCH A MANNER AS TO INSURE NO SLIDING WILL OCCUR. THE COST OF ANCHORING THE SOD IN THIS MANNER SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 654A.

400 FUEL TANKS SHALL NOT BE STORED ON THE RIGHT OF WAY OVERNIGHT. VEHICLES TRANSPORTING FUELS, CHEMICALS, FERTILIZERS, ETC... ON TO THE RIGHT OF WAY SHALL NOT BE LEFT UNATTENDED.

800 THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THE ORDINANCES OF THE CITY, COUNTY, AND THE STATE OF ALABAMA AFTER THE CONTRACT IS AWARDED, AND AFTER COMPLETION OF WORK, SHALL VERIFY TO THE ENGINEER, BY CERTIFICATION OF FINAL INSPECTION AND APPROVAL FROM THE PROJECT ENGINEER AND OTHER REGULATORY AGENCIES, THAT THE INSTALLATION COMPLIES WITH ALL REGULATIONS GOVERNING THE SAME.

900 NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISION

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36110-2060

GENERAL PROJECT NOTES

DRAWN BY:
DATE DRAWN:
SPECIAL DRAWING NO.
INDEX NO.

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	-

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

HORIZ 30 0 30 SCALE (FEET)

SHEET TITLE	ROUTE
PROJECT NOTES SHEET	US-98

$DATE$ $TIME$ WK Y:\Planning\Design\Workers\wsk\Section\574471_US 98 near Parker Road\Project_Design\Plans_Assembly\574471_2B_PNS.dgn

PROJECT_NOTES: _TEMPORARY_TRAFFIC_CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	2C

TTC PROJECT NOTES
US CUSTOMARY UNITS

REVISED: 12 MARCH 2012

◯ DENOTES APPLIES TO THIS PROJECT

700 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.

701 ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPES IV OR VIII FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.

702 DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA DESIGNATED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET 7A)

703 WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC. OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.

704 THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

705 DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC, EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.

706 OMITTED

707 THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.

708 ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

709 THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.

710 CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.

711 FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.

712 FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.

713 FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.

714 OMITTED

715 ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.

716 THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.

717 OMITTED

718 REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

719 OMITTED

720 ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

721 OMITTED

722 OMITTED

723 THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.

724 OMITTED

725 ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.

726 OMITTED

727 DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF PAVEMENT DROP-OFFS 3 INCHES OR GREATER BY PLACING SHOULDER DROP-OFF SIGNS EVERY 1/2 MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.

728 A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.

729 SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.

730 OMITTED

731 OMITTED

732 CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.

733 CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC SHOULD BE SPACED AT 50 FOOT INTERVALS.

734 CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS SHOULD BE SPACED AT 50 FOOT INTERVALS.

735 CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.

736 CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.

737 CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

738 OMITTED

739 THE QUANTITIES SHOWN IN THE TRAFFIC CONTROL SUMMARY BOX ARE CONSIDERED TO BE THE MINIMUM REQUIREMENT FOR HANDLING TRAFFIC AT ANY GIVEN TIME DURING CONSTRUCTION.

740 LIGHTWEIGHT TYPE B WARNING LIGHTS (WEIGHING 3.3 POUNDS OR LESS) WITH DETACHABLE HEADS MAY BE USED ON DRUMS IN SPECIAL SITUATIONS AS SHOWN ON THE PLANS. TYPE B WARNING LIGHTS WITH DETACHABLE HEADS USED ON BARRICADES SHALL BE LIGHTWEIGHT (WEIGHING 3.3 POUNDS OR LESS). ANY HEAVYWEIGHT WARNING LIGHTS ON BARRICADES MUST BE CERTIFIED BY THE VENDOR AS TO CRASHWORTHINESS OF THE BARRICADE AND WARNING LIGHT COMBINATION.

741 FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.

742 THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING TRAVEL LANES.

743 OMITTED

744 THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCD, PART 6, 2009 EDITION.

745 OMITTED

746 UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.

747 MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

748 R16-3 AND R16-3A SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THEY SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT. AN R2-1 SIGN SHALL ALWAYS BE REQUIRED FOLLOWING AN R16-3 SIGN. ADDITIONAL R16-3 SIGNS SHALL BE POSTED AT MAXIMUM THREE (3) MILE INTERVALS THROUGHOUT THE PROJECT LIMITS. ADDITIONAL R16-3 SIGNS SHALL BE REQUIRED WITH A W3-5 (REDUCED SPEED AHEAD) SIGN AND R2-1 SIGNS WHENEVER A REDUCTION OF SPEED IS REQUIRED FOR A WORK AREA SUCH AS A LANE CLOSURE WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COVER OR REMOVE THE R2-1 (REGULATORY SPEED) SIGNS AND THE W3-5 (REDUCED SPEED AHEAD) SIGNS WHEN A SPEED REDUCTION THROUGH THE CONSTRUCTION WORK ZONE IS NOT REQUIRED AND THE CONSTRUCTION ACTIVITY AND/OR LOCATION OF WORK ACTUALLY BEING PERFORMED DOES NOT PRESENT A CLEAR AND PRESENT DANGER TO CONSTRUCTION WORKERS OR THE TRAVELING PUBLIC.

749 DURING REPLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM WITH A LIGHTWEIGHT TYPE B WARNING LIGHT (WEIGHING 3.3 POUNDS OR LESS) WITH A DETACHABLE HEAD SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END ANCHOR CANNOT BE REPLACED IN ONE DAY'S TIME.

750 CONSTRUCTION SIGNS MOUNTED ON A SINGLE OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWING NOS. IHS-710-21 AND IHS-710-23. SINGLE OR DUAL 4 X 4 WOOD POSTS ARE CONSIDERED BREAKAWAY.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

GENERAL TRAFFIC CONTROL PLAN NOTES

DRAWN BY: _____
DATE DRAWN: 3-12-2012

SPECIAL DRAWING NO.: SPECIAL PROJECT DETAIL
INDEX NO.: 2000

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				TTCD-2000	US-98

DATES STIMES

PROJECT_NOTES: _TEMPORARY_TRAFFIC_CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	2D

TTC PROJECT NOTES
US CUSTOMARY UNITS

◯ DENOTES APPLIES TO THIS PROJECT

9th DIVISION

751 THE CONTRACTOR SHALL NOT HAVE A TEMPORARY LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR ALDOT:

FOR NEW YEARS DAY:
FROM 11:59PM ON DECEMBER 28 THROUGH 11:59 PM ON JANUARY 2.

FOR NATIONAL MEMORIAL DAY AND LABOR DAY:
FROM 12 NOON ON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR MARDI GRAS/FAT TUESDAY (MOBILE AND BALDWIN COUNTIES):
FROM 11:59 PM THE THURSDAY BEFORE MARDI GRAS THROUGH 1:00 AM ASH WEDNESDAY (THE DAY AFTER MARDI GRAS).

FOR INDEPENDENCE DAY (THE 4TH OF JULY):
FROM 12 NOON ON JULY 3 THROUGH 11:59 PM ON JULY 4.

FOR THANKSGIVING DAY:
FROM 12 NOON ON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.

FOR CHRISTMAS DAY:
FROM 11:59 PM DECEMBER 21 THROUGH 11:59 PM DECEMBER 26.

ANY OTHER STATE HOLIDAY WILL BE HANDLED AS APPROVED BY THE PROJECT ENGINEER.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.

752 FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL MONITOR THE WEATHER CONDITIONS ALONG THE COAST OF ALABAMA IN CASE OF HURRICANE EVACUATION NEEDS. THERE SHALL NOT BE A LANE CLOSURE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES THE CONDITIONS WARRANT POSSIBLE EVACUATION. EMERGENCY PROCEDURES SHALL BE COORDINATED WITH THE ENGINEER.

753 THE CONTRACTOR SHALL HAVE AN OPERATIONAL FLASHING OR ROTATING ORANGE DOME LIGHT ON ALL VEHICLES AND MACHINERY THAT WILL BE DOING WORK IN OR NEXT TO THE TRAVELED ROADWAY. LIGHTS SHALL BE FURNISHED BY THE CONTRACTOR AT NO COST TO THE STATE.

SCATES STMES

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				9TH DIVISION TTCP NOTES	US-98

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	3

TOTAL	ITEM NO.	UNIT	DESCRIPTION	PROJECT NOTES
1	201A002	LUMP SUM	CLEARING AND GRUBBING (MAXIMUM ALLOWABLE BID *	
444	206C003	SQUARE YARD	REMOVING CONCRETE FLUMES	
1	206E000	EACH	REMOVING HEADWALLS	
1602	210A000	CUBIC YARD	UNCLASSIFIED EXCAVATION	205, 303
300	210D013	CUBIC YARD	BORROW EXCAVATION	
37	214A000	CUBIC YARD	STRUCTURE EXCAVATION	
40	214B001	CUBIC YARD	FOUNDATION BACKFILL, COMMERCIAL	
869	301A012	SQUARE YARD	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS	
869	401A000	SQUARE YARD	BITUMINOUS TREATMENT A	
43	405A000	GALLON	TACK COAT	
1	407B000	MILE	JOINT SEALANT FOR HOT MIX ASPHALT PAVEMENT	
67	424A360	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	
109	424B651	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	
109	424B681	TON	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	
109	530A004	LINEAR FOOT	36" ROADWAY PIPE (CLASS 3 R.C.)	
12	533A099	LINEAR FOOT	24" STORM SEWER PIPE (CLASS 3 R.C.)	
1	600A000	LUMP SUM	MOBILIZATION	
49	614A000	CUBIC YARD	SLOPE PAVING	
1	619A129	EACH	36" SIDE DRAIN PIPE END TREATMENT, CLASS 2	
1	620A000	CUBIC YARD	MINOR STRUCTURE CONCRETE	
2	621A005	EACH	JUNCTION BOXES, TYPE 1	
1	621B005	EACH	JUNCTION BOX UNITS, TYPE 1	
1	621C015	EACH	INLETS, TYPE S1 OR S3 (1 WING)	
1	621C020	EACH	INLET, TYPE Y	
100	623C002	LINEAR FOOT	COMBINATION CURB & GUTTER, TYPE C	
36	650A000	CUBIC YARD	TOPSOIL	201, 306
1	652A100	ACRE	SEEDING	
1	652C000	ACRE	MOWING	
152	654A001	SQUARE YARD	SOLID SODDING (BERMUDA)	
1	656A010	ACRE	MULCHING	306
450	665E000	SQUARE YARD	POLYETHYLENE	
90	665G000	EACH	SAND BAGS	
200	665J002	LINEAR FOOT	SILT FENCE	
200	665O001	LINEAR FOOT	SILT FENCE REMOVAL	
1	665P005	EACH	INLET PROTECTION, STAGE 3 OR 4	
1	680A001	LUMP SUM	GEOMETRIC CONTROLS	
1	698A000	LUMP SUM	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO *	
600	740B000	SQUARE FOOT	CONSTRUCTION SIGNS	
40	740D000	EACH	CHANNELIZING DRUMS	
3	740F002	EACH	BARRICADES, TYPE III	
1	741C010	EACH	PORTABLE SEQUENTIAL ARROW AND CHEVRON UNIT	

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				SUMMARY OF QUANTITIES	US-98

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SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	3A

DRAINAGE SUMMARY

LOCATION		DRAINAGE INDEX NO	SHT NO		ROADWAY PIPE (CL 3 RC) (LIN FT)	STORM SEWER PIPE (CL 3 RC) (LIN FT)	SIDEDRAIN PIPE END TREATMENT	JUNCTION BOX	JUNCTION BOX UNIT	S-1 or S-3 INLET 1 WING	INLET TYPE "Y"	SOLID SODDING BERMUDA	MINOR STRUCTURE CONCRETE	STRUCTURE EXCAVATION	FOUNDATION BACKFILL, COMMERCIAL			
ALIGNMENT	SIDE	STRUCTURE NUMBER	PLAN SHT	DRAINAGE SECTION	ITEM NO (530 A-004)	ITEM NO (533A-099)	CLS 2 ITEM NO (619A-129) 36"	ITEM NO (621A-005)	ITEM NO (621B-005)	ITEM NO (621C-015)	ITEM NO (621C-020)	(ITEM NO 654A-001)	(ITEM NO 620A-000)	(ITEM NO 214A-000)	(ITEM NO 214B-001)	SKEW (DEGREES)	SLOPE	SPECIAL DRAWING
					36"	24"	EACH	EACH	EACH	EACH	EACH	SQ YD	CU YD	CU YD	CU YD			
US 98	RT	1	4	30	20		1					9.68		6.2	6.667		10:1	
US 98	RT	2	4	30				1	1			3.15		1.5	1.667	0		
US 98	RT	3	4	30	81			1			1	13.3		25.13	27	0		
US 98	RT	3A	4	30	8								0.5	2.4	2.667	0		
US 98	RT	4	4	30		12				1				1.5	1.667	0		
PROJECT TOTAL					109	12	1	2	1	1	1	26.13	1	36.73	39.668			

REQUIRED EROSION CONTROL ITEMS

LOCATION		SILT FENCE 665J-002	SILT FENCE REMOVAL 665O-001	SAND BAGS 665G-000	INLET PROTECTION, STAGE 3 OR 4 665P-005	SPECIAL & STANDARD DRAWINGS
ROADWAY	STATION - STATION	LIN FT	LIN FT	EACH	EACH	
US-98	170+00 - 172+00	200	200	90	1	ESC-100 ESC-200 ESC-300 ESC-400
PROJECT TOTAL		200	200	90	1	

CLEARING and GRUBBING

LOCATION STA. to STA. US 98	CLEARING and GRUBBING (201A-002)		
	SIDE	WIDTH (LIN FT)	LUMP SUM (ACRE)
504+40 to 535+00	RIGHT	10'	0.12
PROJECT TOTAL			1

REQUIRED DITCH / CONCRETE REMOVAL SUMMARY

LOCATION		REMOVING CONCRETE FLUMES	SOLID SODDING	SLOPE PAVING (614A-000) (CU YD)	REMARKS
STATION OR STATION TO STATION	SIDE	(206C-003) (SQ YD)	(BERMUDA) (654A-001) (SQ YD)		
US98					
166+75 - 171+00	RT	444			
166+75 - 171+00	RT		125.93	49	
TOTAL		444	126	49	

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				SUMMARY OF QUANTITIES	US-98

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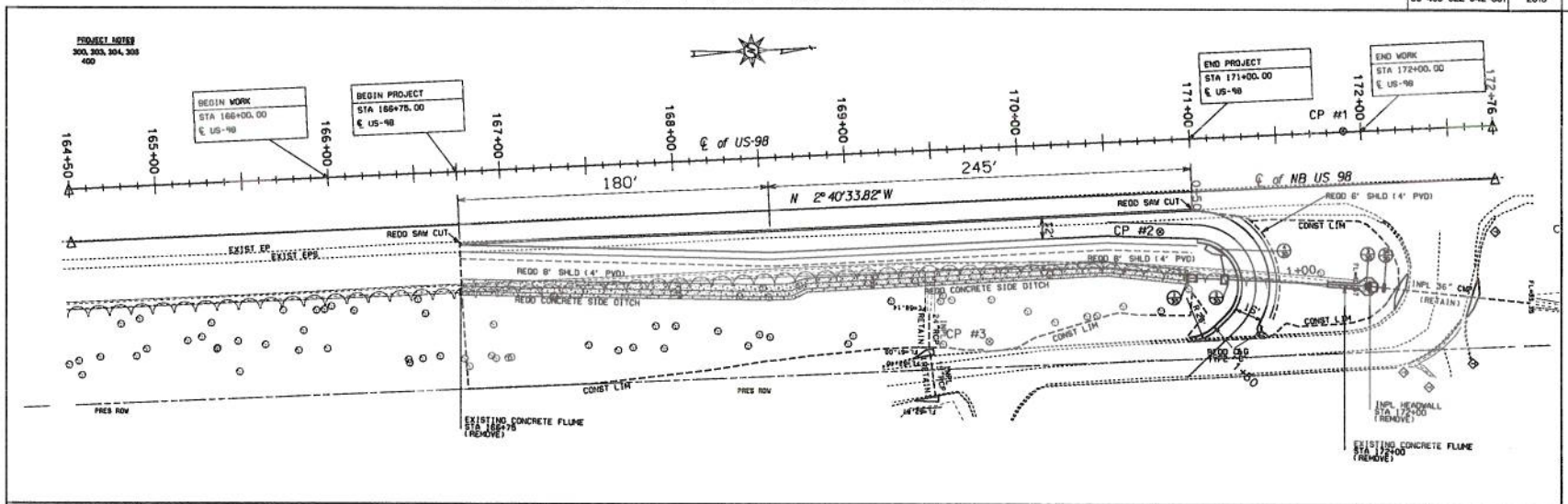
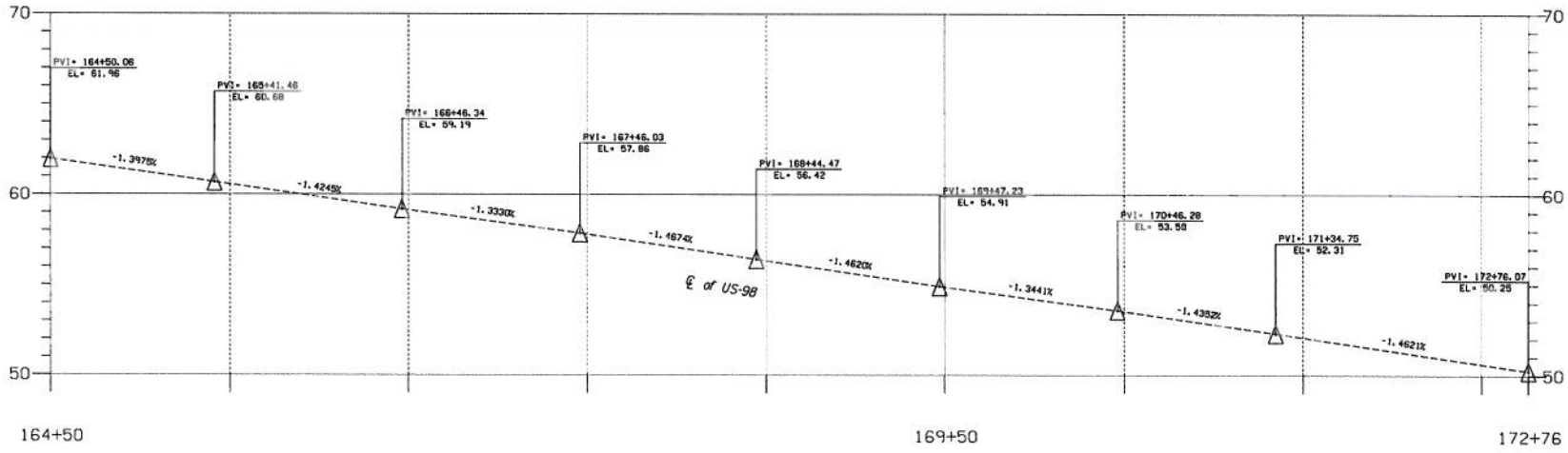
PLAN AND PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	4





RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 30 0 30 SCALE (FEET) VERT 3 0 3	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN PROFILE SHEET	US-98

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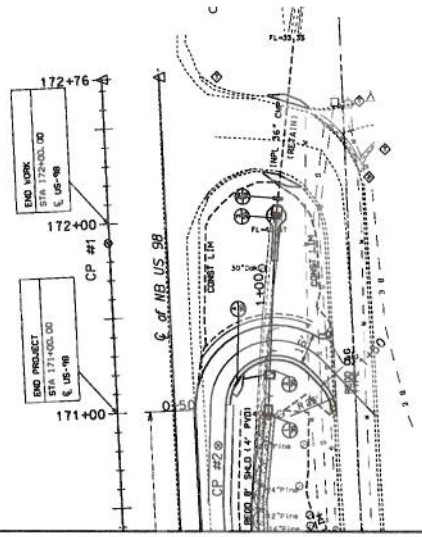
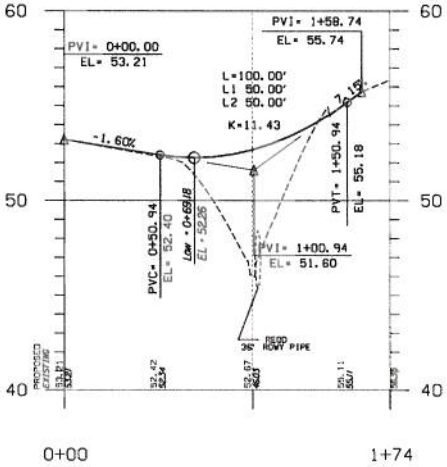
PLAN AND PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	4A

PROJECT NOTES
300, 303, 304, 305
400





RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 30 0 30 SCALE (FEET) VERT 3 0 3	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN PROFILE SHEET	US-98

DATES $TIMES
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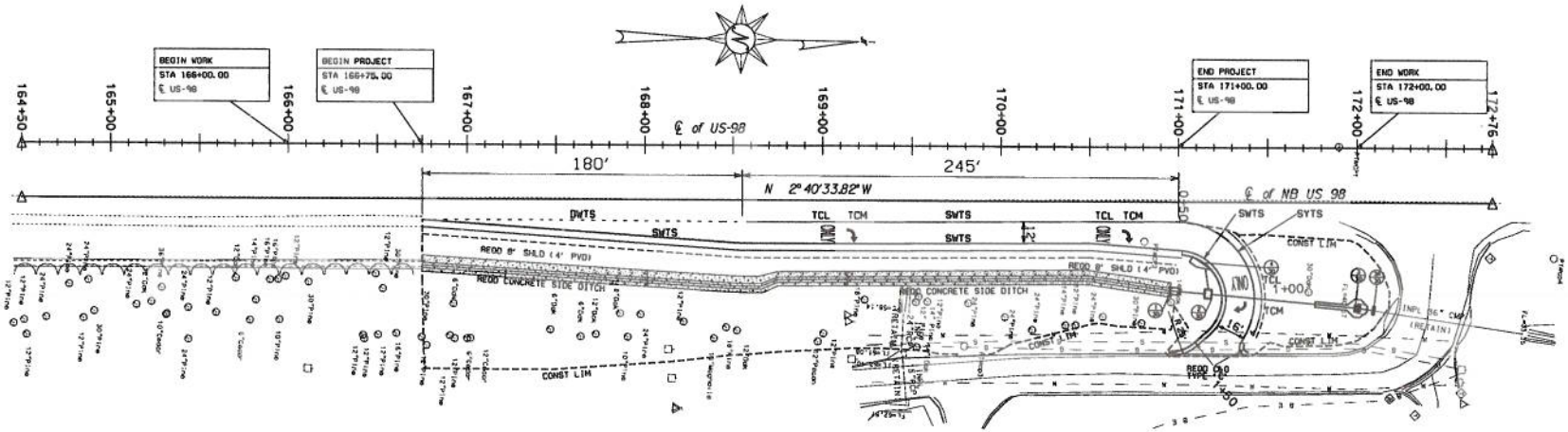
PAVING & STRIPING LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	5



REQUIRED TRAFFIC STRIPING & MARKING LEGEND
SWTS = SOLID WHITE TRAFFIC STRIPE (5" WIDE)
DWTS = DOTTED WHITE TRAFFIC STRIPE (5" WIDE)
TCM = TRAFFIC CONTROL MARKING
TCL = TRAFFIC CONTROL LEGEND

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	-	MTN DIVISION DESIGN SECTION		PAVING & STRIPING LAYOUT SHEET	US-98

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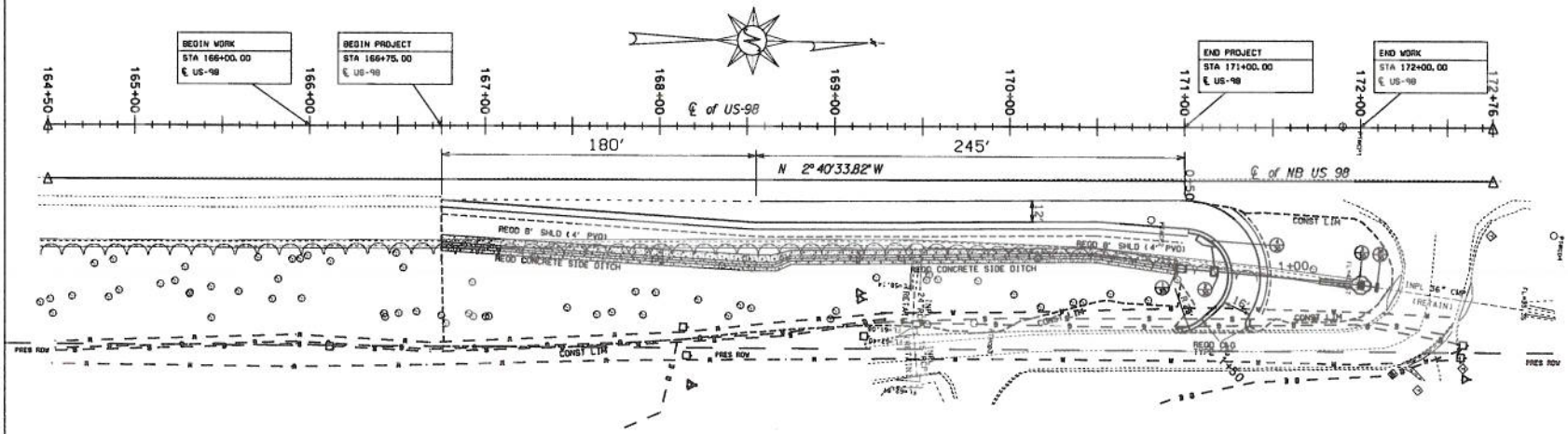
UTILITY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	6



RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	-	9TH DIVISION DESIGN SECTION		UTILITY SHEET	US-98

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TEMPORARY TRAFFIC CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7

ESTIMATED QUANTITIES

600	SQ FT	740B-000	CONSTRUCTION SIGNS
40	EACH	740D-000	CHANNELIZING DRUMS
3	EACH	740F-002	BARRICADES, TYPE III
1	EACH	741C-010	PORTABLE SEQUENTIAL ARROW AND CHEVRON UNIT

SEQUENCE OF CONSTRUCTION

- INSTALL AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES
- PERFORM DRAINAGE AND EARTH WORK
- PAVE NEW ROADWAY
- PLACE GRASS SEED AND MULCH
- PLACE TRAFFIC STRIPE, MARKINGS, LEGENDS, MARKERS, AND SIGNS
- OPEN NEW ROADWAY TO TRAFFIC
- REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

SPECIAL DRAWINGS

B-107-2	SHS-1
TCD-100	SHS-9
IHS-710-12	SHS-25
IHS-710-21	SHS-27
IHS-710-23	SHS-28
	SHS-29

PROJECT NOTES

700	701	702	703
704	707	708	709
710	715	716	720
727	729	732	733
734	735	736	737
739	740	741	742
744	748	750	751
752	753		

CONSTRUCTION SIGNS PAY ITEM 740B-000

	SIGN	DESCRIPTION	SIZE	NO.	SQ FT	SPC DWG
POST	R2-1	SPEED LIMIT 40	24" X 30"	4	20	SHS-1
POST	R2-1	SPEED LIMIT 50	24" X 30"	4	20	SHS-1
POST	R16-3	SPEEDING FINES DOUBLED (WHEN WORKERS ARE PRESENT)	60" X 48"	4	80	SHS-9
POST	R16-3A	END DOUBLED FINES	48" X 48"	4	32	SHS-9
POST	W3-5B	REDUCED SPEED AHEAD	48" X 48"	2	32	SHS-25
TT	W4-2	RIGHT LANE DROP	48" X 48"	2	32	SHS-25
POST	W8-17	SHOULDER DROP-OFF	48" X 48"	2	32	SHS-27
POST	W20-1	ROAD WORK AHEAD	48" X 48"	2	32	SHS-28
POST	W20-1	ROAD WORK 500 FT	48" X 48"	4	64	SHS-28
POST	W20-1	ROAD WORK 1500 FT	48" X 48"	4	64	SHS-28
POST	W20-1	ROAD WORK 1/2 MILE	48" X 48"	4	64	SHS-28
TT	W20-5	RIGHT LANE CLOSED 1000 FT	48" X 48"	2	32	SHS-28
TT	W20-5	RIGHT LANE CLOSED 1500 FT	48" X 48"	2	32	SHS-28
POST	W21-5A	RIGHT SHOULDER CLOSED	48" X 48"	2	32	SHS-29
POST	G20-2	END ROAD WORK	48" X 24"	4	32	SHS-29
				TOTAL	600.0	

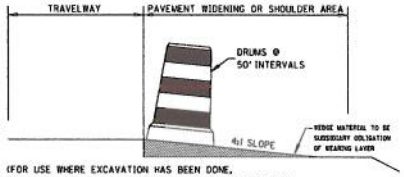
POST MOUNT — BARRICADE MOUNT — TEMPORARY MOUNT

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				TTCP	US-98

SCATES STIMES

TEMPORARY TRAFFIC CONTROL DETAIL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7A

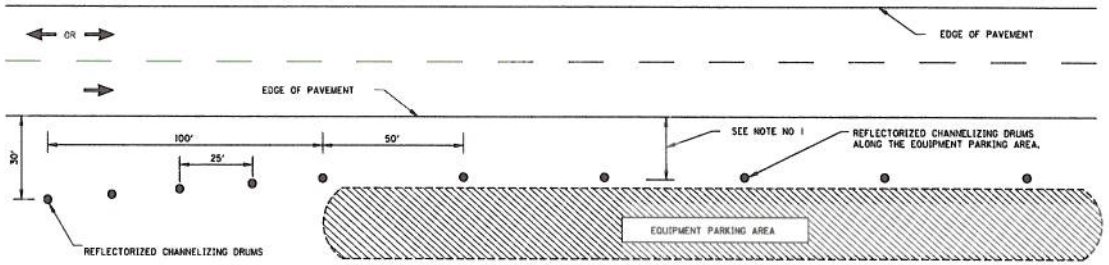


(FOR USE WHERE EXCAVATION HAS BEEN DONE, BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT DROP OFF OF RESURFACING PROJECTS IS 3" OR MORE AT NIGHTFALL)

TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

NOTE: THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE . THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE WEARING LAYER.

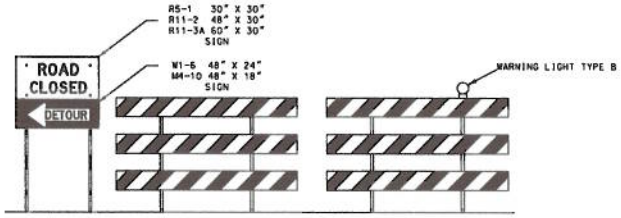
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.



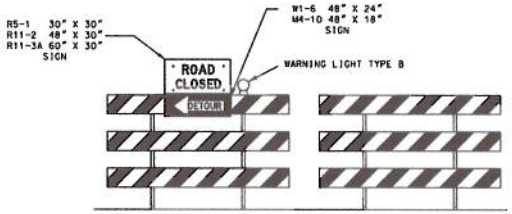
NOTES:

1. DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT. MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER.
2. ALL DEVICES TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT.

DELINEATING DETAILS FOR EQUIPMENT PARKING AREA



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES INSIDE OF CLEAR ZONE



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES OUTSIDE OF CLEAR ZONE

NOTES

1. SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.63 OF THE MUTCD AND DRAWING B-107-2.
2. IF SIGNS ARE REQUIRED TO BE USED IN CONJUNCTION WITH TYPE III BARRICADES TO BE PLACED INSIDE THE CLEAR ZONE, THEY SHALL BE POST MOUNTED TO THE SIDE OF THE BARRICADES AS SHOWN.
3. IF ROAD CLOSED OR DETOUR SIGNS ARE REQUIRED TO BE USED WITH TYPE III BARRICADES TO BE PLACED INSIDE THE CLEAR ZONE, THEY SHALL BE PLACED TO THE SIDE OF THE BARRICADES NEAREST THE DETOUR.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

REVISIONS

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36110-2060

DESIGN BUREAU SPECIAL DRAWING

STANDARD DETAILS FOR TRAFFIC CONTROL PLANS

DRAWN BY: L.V.S.
DATE DRAWN: 4-3-12

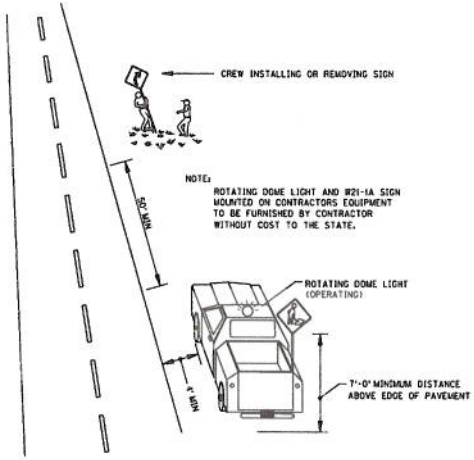
SPECIAL DRAWING NO.: TEMPORARY TRAFFIC CONTROL DETAIL
INDEX NO.: 2001

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				TTCD-2001	US-98

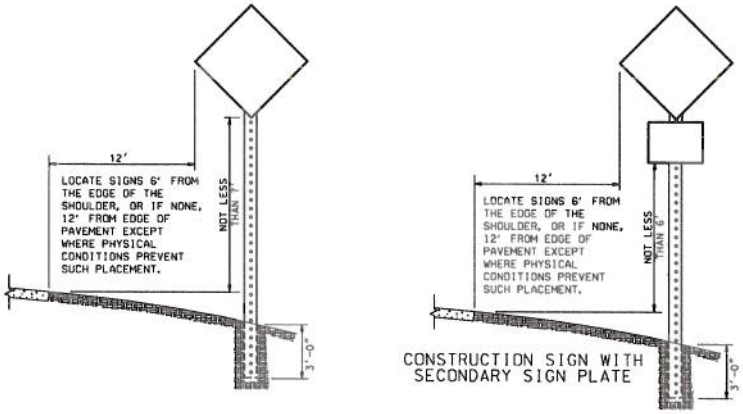
SCATES STIMES

TEMPORARY TRAFFIC CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7B

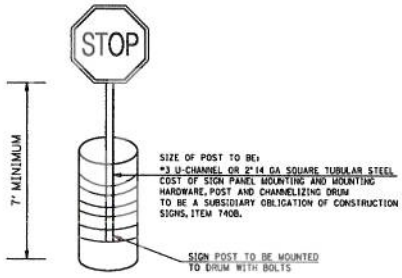


TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



NOTE : IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS
FOR TRAFFIC CONTROL PLANS

DRAWN BY:
DATE DRAWN: 07/21/11

SPECIAL PROJECT DETAIL

INDEX NO. 2001A

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

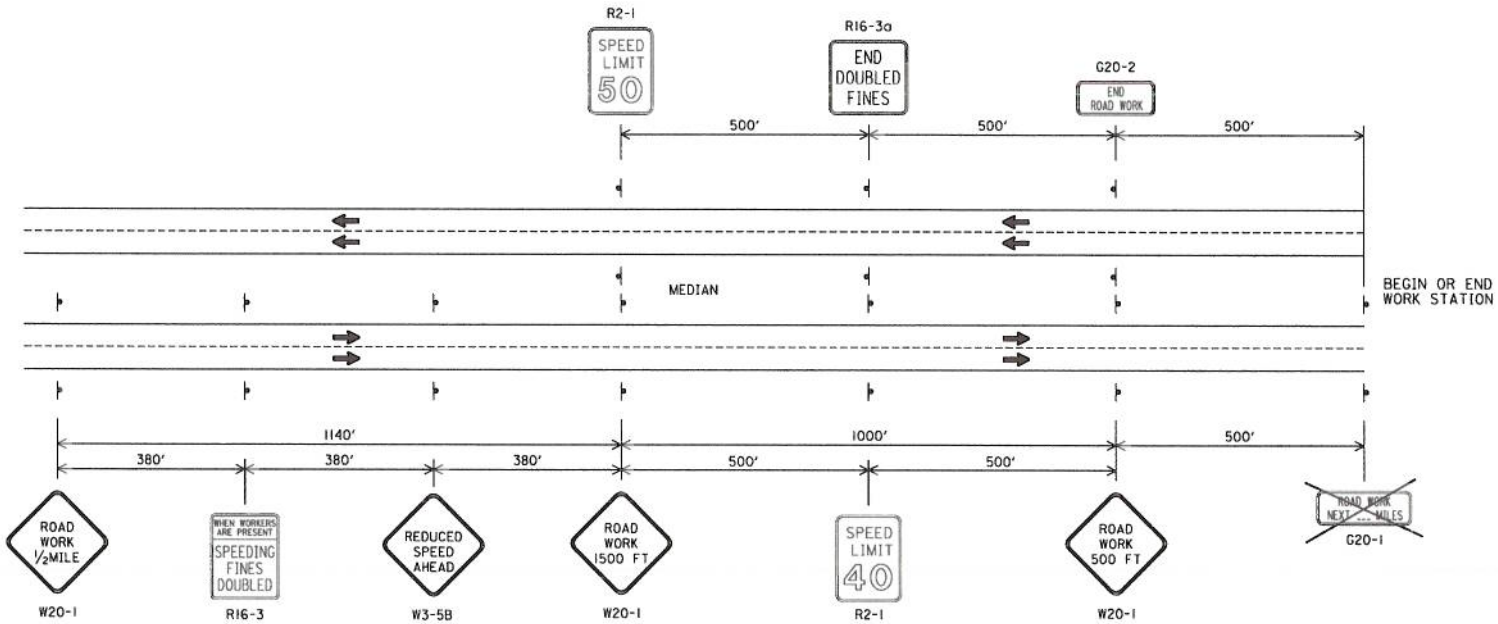
NOT TO SCALE

SHEET TITLE	ROUTE
TTCD-2001A	US-98

SCATES STIMES

TEMPORARY TRAFFIC CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7C



REQUIRED SIGN SIZES	
~~G20-1~~	~~60" X 24"~~
G20-2	48" X 24"
R2-1	24" x 30"
W3-5B	48" x 48"
R16-3	48" X 60"
R16-3a	48" X 48"
W20-1	48" X 48"

LEGEND

POST MOUNTED SIGN

GENERAL NOTES

1. ALL SIGNS SHALL BE POST MOUNTED AS SHOWN.
2. SIGN (XX) SHALL SHOW THE SPEED IN THE WORK ZONE . SIGN (YY) SHALL BE USED IF SPEED REDUCTION REQUIRES TWO SIGNS. SIGN(ZZ) SHALL SHOW THE POSTED SPEED OUTSIDE THE WORK ZONE.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS
UPDATED 3-30-2007

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING
TYPICAL PLACEMENT OF ADVANCE WARNING SIGNS FOR MULTILANE DIVIDED HIGHWAYS

DRAWN BY: ____
DATE DRAWN: 1-30-2006

SPECIAL DRAWING NO.: TEMPORARY TRAFFIC CONTROL DETAIL
INDEX NO.: 2007

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

NOT TO SCALE

SHEET TITLE	ROUTE
TTCD-2007	US-98

$DATES $TIMES

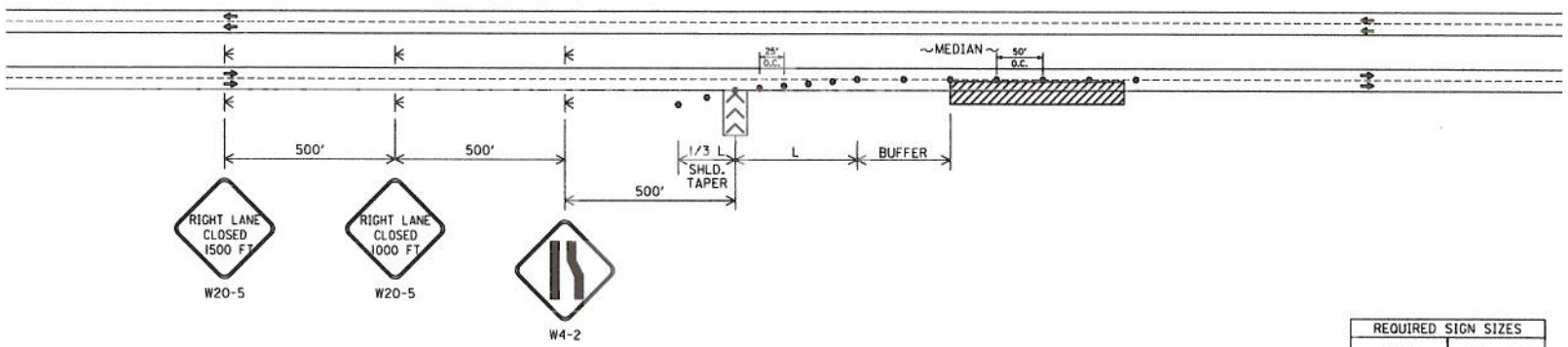
TEMPORARY TRAFFIC CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7D

PROJECT NOTES

742

TYPICAL SCHEME FOR RIGHT LANE CLOSURE



REQUIRED SIGN SIZES	
W4-2	48" X 48"
W20-5	48" X 48"

LEGEND

- TEMPORARY MOUNTED SIGN
- CHANNELIZING DRUM
- PORTABLE SEQUENTIAL ARROW AND CHEVRON SIGN UNIT

GENERAL NOTES

1. ALL SIGNS SHALL BE TEMPORARY MOUNTED AS SHOWN.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

DETAILS FOR MULTILANE DIVIDED HIGHWAY LANE CLOSURES

DRAWN BY: _____
DATE DRAWN: 1-1-2003

SPECIAL DRAWING NO.: TEMPORARY TRAFFIC CONTROL DETAIL
INDEX NO.: 2008

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

NOT TO SCALE

SHEET TITLE	ROUTE
TTCP-2008	US-98

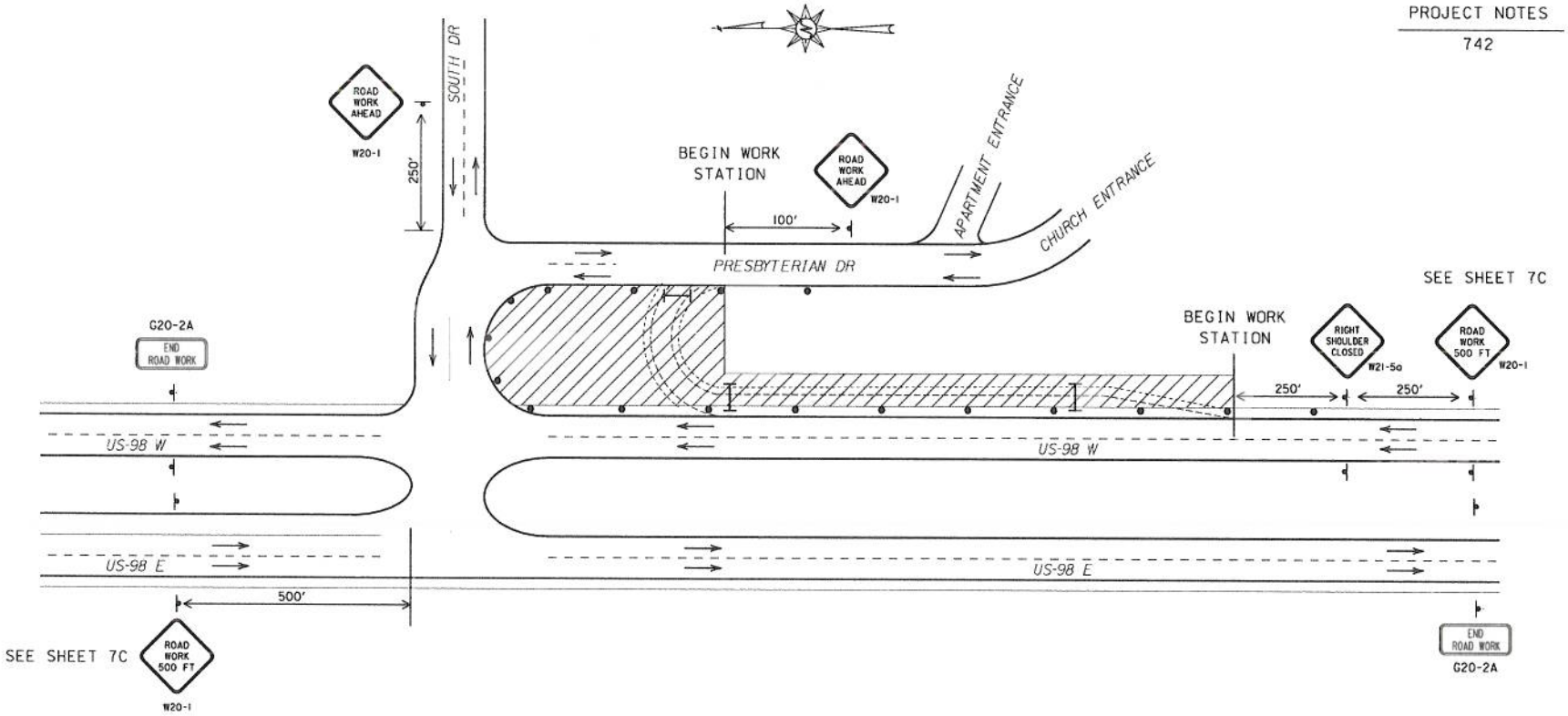
SCATES STINES

TEMPORARY TRAFFIC CONTROL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	7E

PROJECT NOTES

742



LEGEND

- POST MOUNTED SIGN
- CHANNELIZING DRUM
- WORK AREA
- BARRICADE, TYPE III
- DIRECTION OF TRAFFIC

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				TTCD-2007	US-98

SCATES STAGES

EROSION AND SEDIMENT CONTROL PLANS LEGEND

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	8

BEST MANAGEMENT PRACTICES (BMP's)

TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION	
TEMPORARY EARTH BERM	
BRUSH BARRIER	
SILT FENCE SEDIMENT BARRIER	
FLOATING BASIN BOOM	
HAY BALE DITCH CHECK	
SILT FENCE DITCH CHECK	
SAND BAG DITCH CHECK	
WATTLE DITCH CHECK	
SILT DIKE DITCH CHECK	
ROCK DITCH CHECK	
ROCK DITCH CHECK WITH SUMP EXCAVATION	

INLET PROTECTION (Aggregate, Wattle, Manufactured, or Sand bag)	
STABILIZED CONSTRUCTION ENTRANCE	SCE
TEMPORARY ROLLED EROSION CONTROL PRODUCTS	
SLOPE DRAIN	
STORM WATER DISCHARGE POINT	25
TEMPORARY EARTH BERM WITH POLYETHLENE	
DREDGE, FILL	

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

SPECIAL PROJECT DETAIL

EROSION AND SEDIMENT CONTROL LEGEND

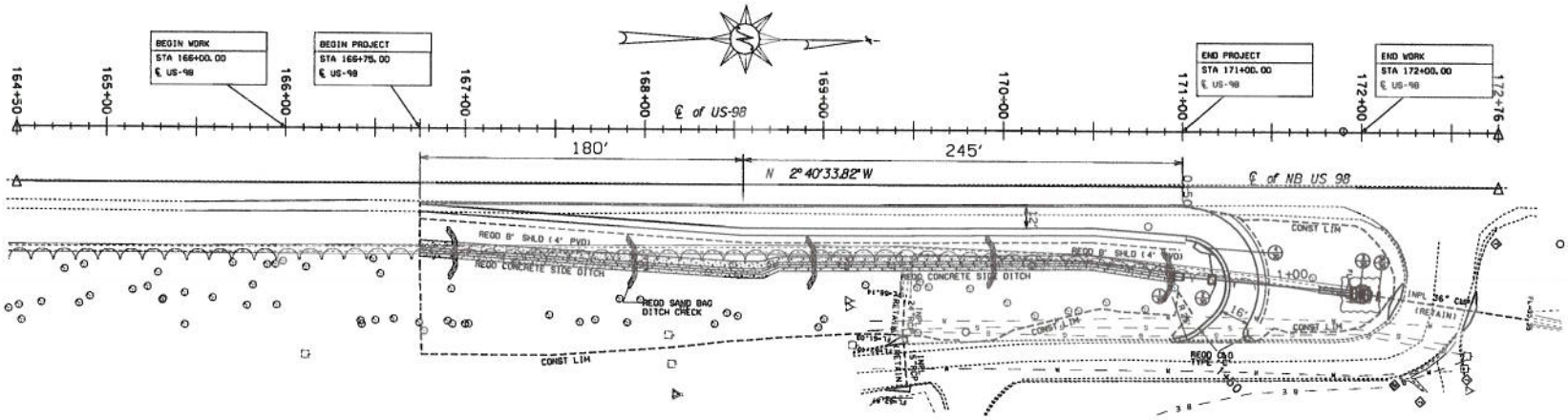
DRAWN BY: CKM
DATE DRAWN: 2009

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	-	9TH DIVISION DESIGN SECTION	EROSION AND SEDIMENT CONTROL LEGEND	US-98

DATES STAMES Work Y:\Planning\Design\Workers\josh\Baldwin\ST1471_US 98 near Fairhope Road\Project_Design\Plans_Assembly\ST1471_8_ESC.dgn

EROSION AND SEDIMENT CONTROL SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	8A



RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	-

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

HORIZ 30 0 30 SCALE (FEET)

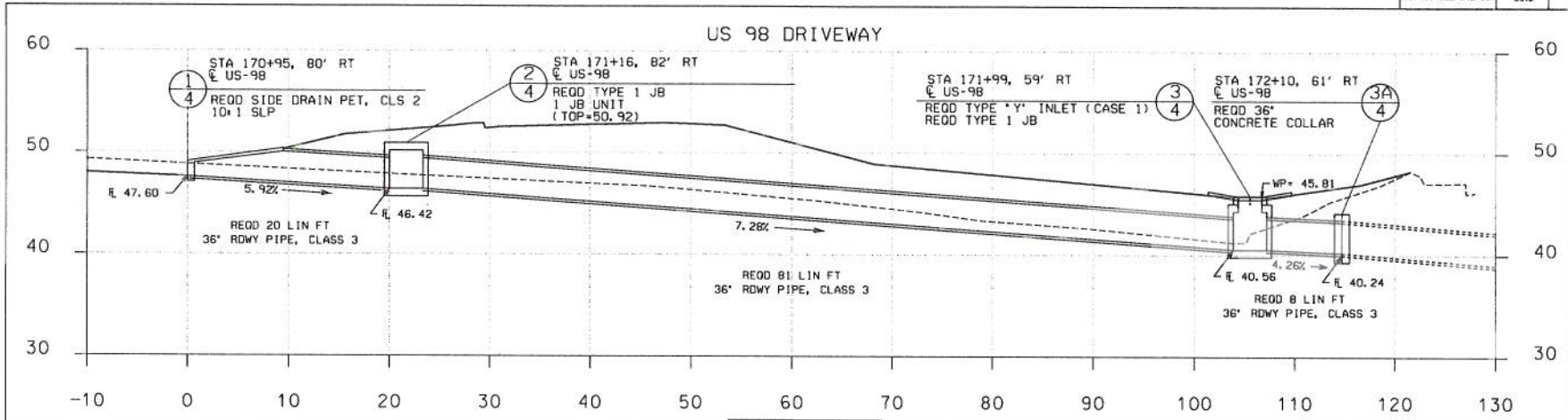
SHEET TITLE	ROUTE
EROSION AND SEDIMENT SHEET	US-98

SCATES STAGES

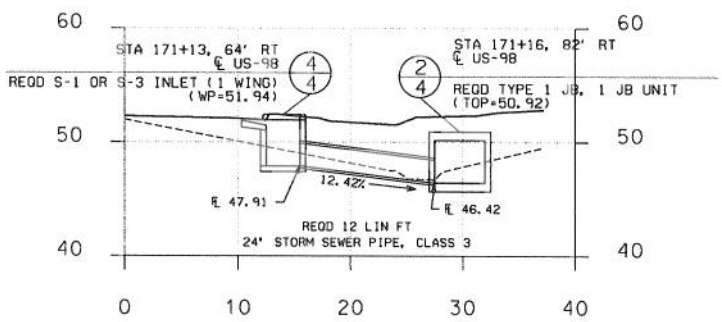
Y:\Planning\Design\Workers\jsmith\Baldwin\STA479_US 98 near Parker Road\Project_Design\Plans_Assembly\STA479_8A_ESC.dgn

DRAINAGE SECTION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	30



171+16



171+16

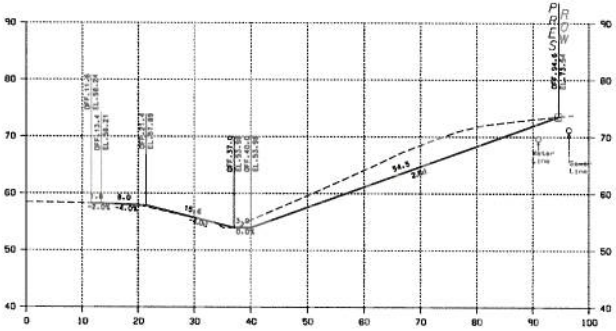
1/4		REQ'D.: 1 - 36" SIDE DRAIN PIPE END TREATMENT CL. 2, APPROX. PARALLEL TO ALIGNMENT, 10 : 1 SLOPE
1/4	2/4	REQ'D.: 20 LF. - 36" CL. 3 RC. RDWY. PIPE
2/4		REQ'D.: 1 - JUNCTION BOX, TYPE 1, 1 - JUNCTION BOX UNIT
2/4	3/4	REQ'D.: 81 LF. - 36" CL. 3 RC. RDWY. PIPE
3/4		REQ'D.: 1 - TYPE 'Y' INLET (CASE 1), 1- JUNCTION BOX, TYPE 1
3/4	3A/4	REQ'D.: 8 LF. - 36" CL. 3 RC. RDWY PIPE 1 CONCRETE COLLAR
2/4	4/4	REQ'D.: 12 LF. - 24" CL. 3 RC. STORM SEWER PIPE
4/4		REQ'D.: 1 - S-1 OR S-3 INLET (1WING)

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 5 0 5 SCALE (FEET) VERT 5 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				DRAINAGE SHEET	US-98

CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	50

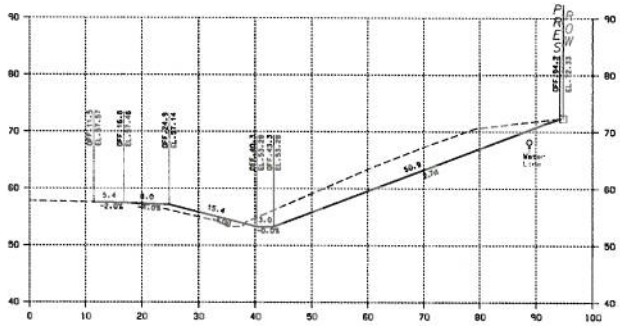
US 98 RIGHT TURNLANE NEAR PARKER ROAD



CUT AREA: 141.50
FILL AREA: 2.47

167+00

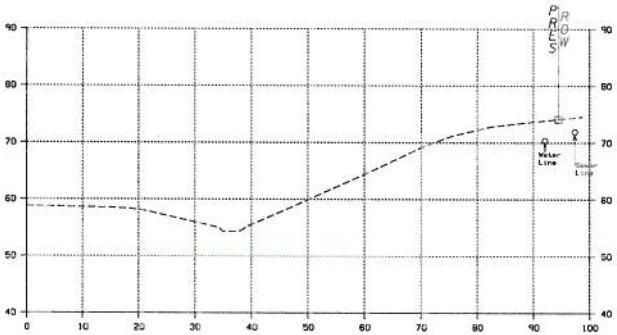
CUT VOL: 65.51
FILL VOL: 1.15



CUT AREA: 169.36
FILL AREA: 14.33

167+50

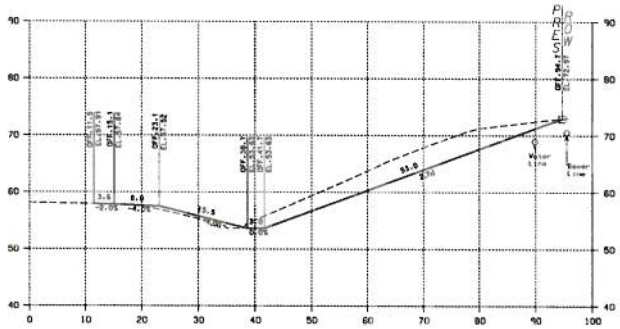
CUT VOL: 151.84
FILL VOL: 10.56



CUT AREA: 0.00
FILL AREA: 0.00

166+75

CUT VOL: 0.00
FILL VOL: 0.00



CUT AREA: 158.63
FILL AREA: 8.47

167+25

CUT VOL: 138.95
FILL VOL: 5.07

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10

SHEET TITLE	ROUTE
CROSS SECTION SHT	US-98

Sta 166+75.00 Sta 167+50.00

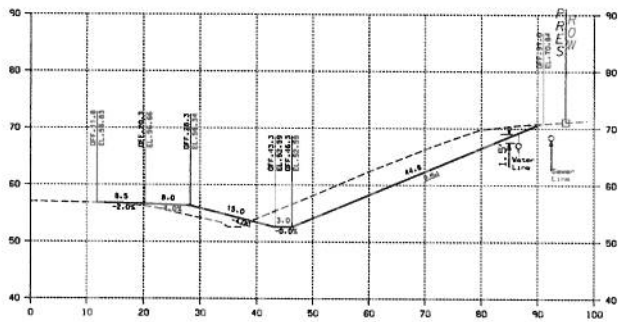
STATES STAMPS

Y:\Planning\Design\Michael\Jack\Baldwin\57447_US 98 near Parker Road\Project_Design\Roadway\57447_mod.dgn

CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	51

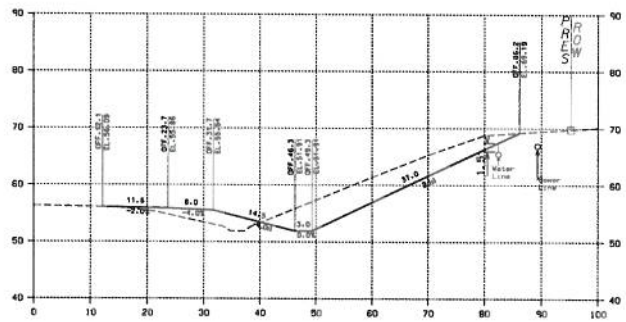
US 98 RIGHT TURNLANE NEAR PARKER ROAD



CUT AREA: 166.33
FILL AREA: 26.07

168+00

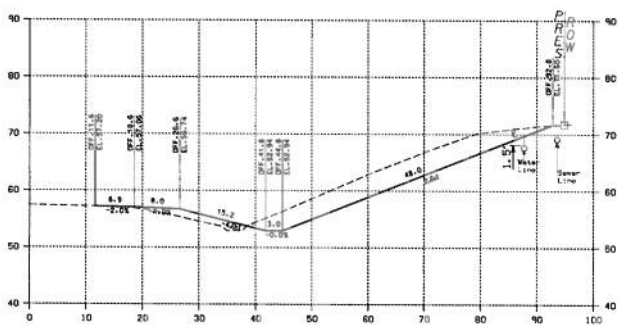
CUT VOL: 155.74
FILL VOL: 21.57



CUT AREA: 155.72
FILL AREA: 35.23

168+50

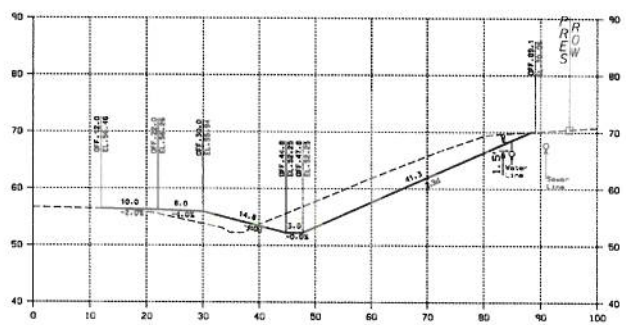
CUT VOL: 147.15
FILL VOL: 30.68



CUT AREA: 170.06
FILL AREA: 20.52

167+75

CUT VOL: 157.14
FILL VOL: 16.14



CUT AREA: 162.13
FILL AREA: 31.03

168+25

CUT VOL: 152.07
FILL VOL: 26.44

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
MTH DIVISION DESIGN SECTION

SCALE (FEET) HORIZ 10 0 10 VERT 10 0 10

SHEET TITLE	ROUTE
CROSS SECTION SHT	US-98

Sta 167+75.00 Sta 168+75.00

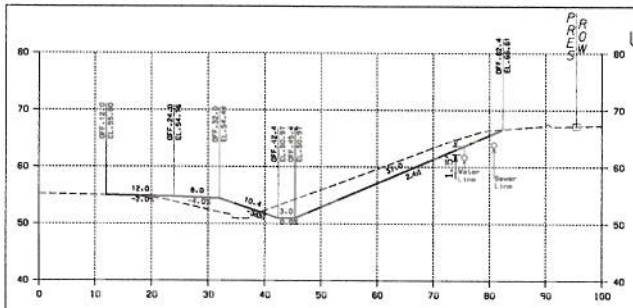
SCATES STAMES Mark

Y:\Planning\Design\Workspace\Mark\Backup\57407A_US 98 near Parker Road\Project_Design\Roadway\57407A_cross.dgn

CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	52

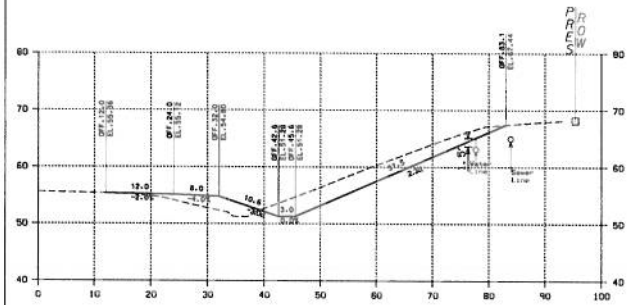
US 98 RIGHT TURNLANE NEAR PARKER ROAD



CUT AREA: 93.92
FILL AREA: 29.57

169+25

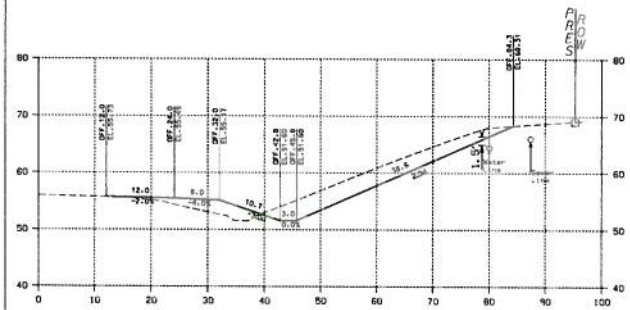
CUT VOL: 90.83
FILL VOL: 28.06



CUT AREA: 102.27
FILL AREA: 31.04

169+00

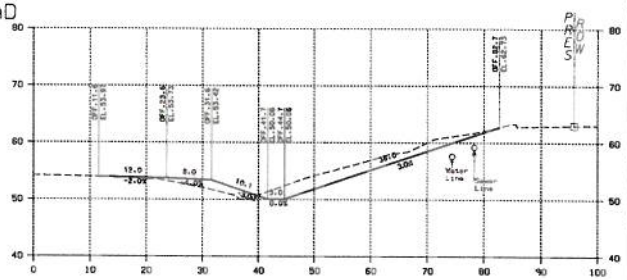
CUT VOL: 99.92
FILL VOL: 29.34



CUT AREA: 113.55
FILL AREA: 32.34

168+75

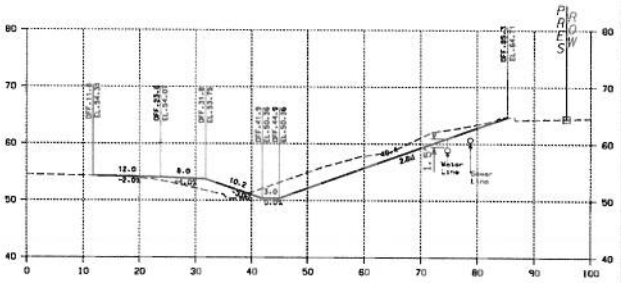
CUT VOL: 124.66
FILL VOL: 31.28



CUT AREA: 64.71
FILL AREA: 20.57

170+00

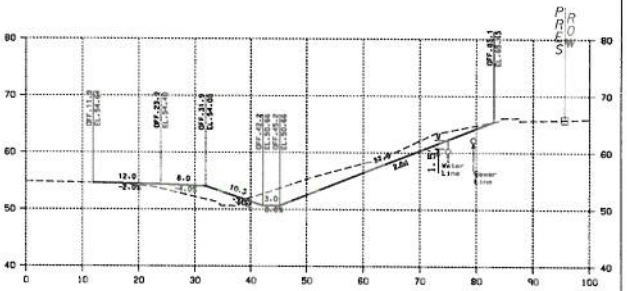
CUT VOL: 66.86
FILL VOL: 20.65



CUT AREA: 79.72
FILL AREA: 23.81

169+75

CUT VOL: 72.70
FILL VOL: 23.70



CUT AREA: 77.31
FILL AREA: 27.39

169+50

CUT VOL: 79.27
FILL VOL: 26.37

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10

SHEET TITLE	ROUTE
CROSS SECTION SHT	US-98

Sta 169+00.00 Sta 170+25.00

STATE STAKES book

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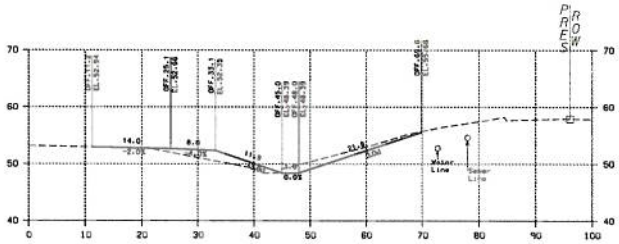
CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	53

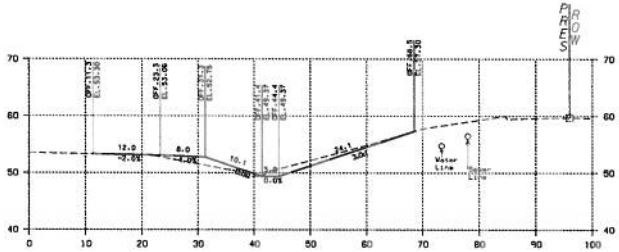
US 98 RIGHT TURNLANE NEAR PARKER ROAD



CUT AREA: 20.59
FILL AREA: 23.79

170+75

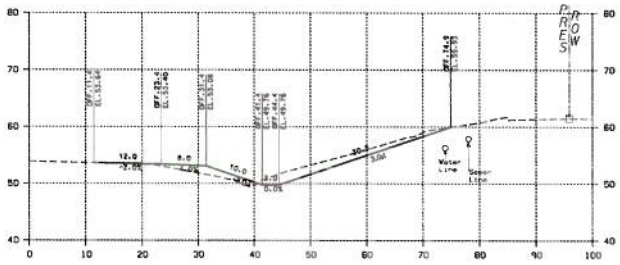
CUT VOL: 16.94
FILL VOL: 17.87



CUT AREA: 16.00
FILL AREA: 14.80

170+50

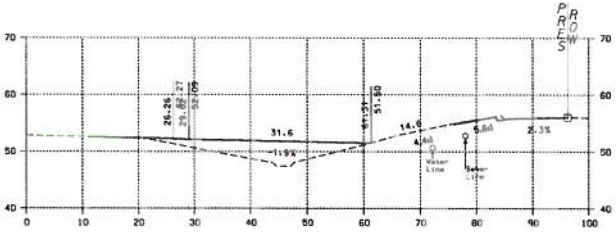
CUT VOL: 24.79
FILL VOL: 14.87



CUT AREA: 37.56
FILL AREA: 17.31

170+25

CUT VOL: 47.34
FILL VOL: 17.54



CUT AREA: 0.05
FILL AREA: 2.91

171+00

CUT VOL: 9.55
FILL VOL: 12.36

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
TITH DIVISION DESIGN SECTION

HORIZ 10 0 10 SCALE (FEET) VERT 10 0 10

SHEET TITLE	ROUTE
CROSS SECTION SHT	US-98

Sta 170+50.00 Sta 171+00.00

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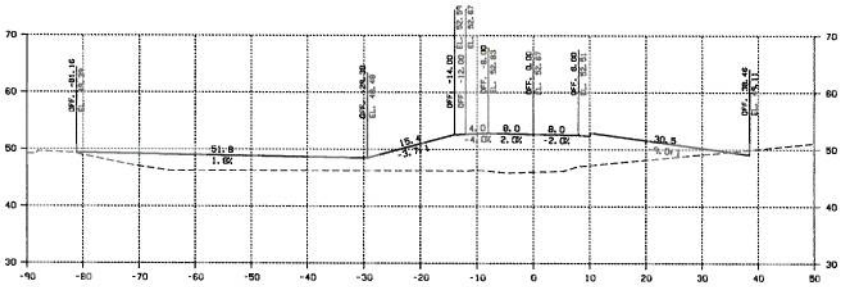
CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	60

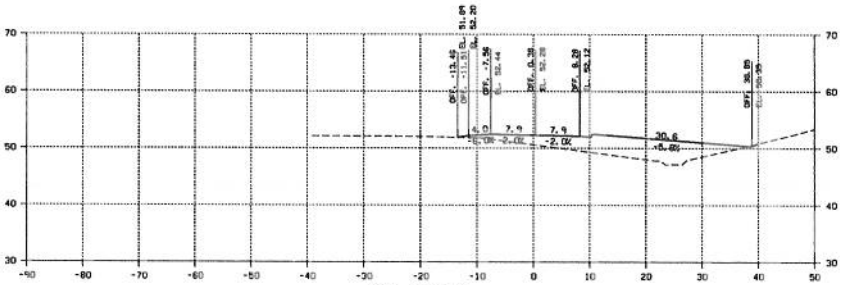
CENTER LINE OF DRIVEWAY



CUT AREA: 1.47
FILL AREA: 407.91

STA 1+00.00

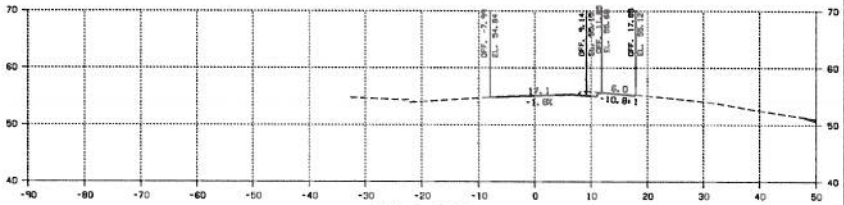
CUT VOL: 0.76
FILL VOL: 242.75



CUT AREA: 0.18
FILL AREA: 116.44

STA 0+75.00

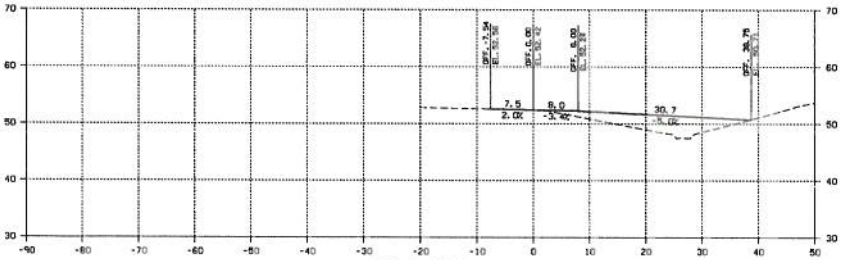
CUT VOL: 0.11
FILL VOL: 86.26



CUT AREA: 3.19
FILL AREA: 0.00

STA 1+50.00

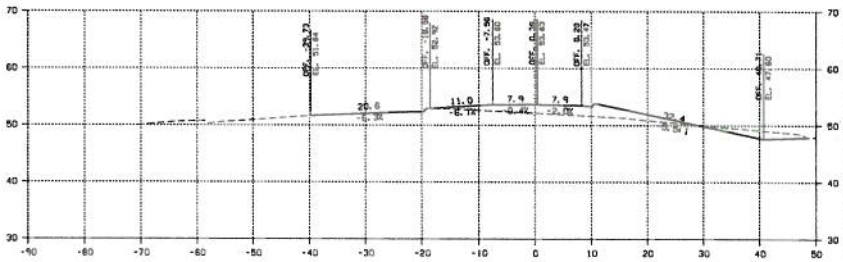
CUT VOL: 8.18
FILL VOL: 24.87



CUT AREA: 0.06
FILL AREA: 69.69

STA 0+50.00

CUT VOL: 0.00
FILL VOL: 0.00



CUT AREA: 14.48
FILL AREA: 53.71

STA 1+25.00

CUT VOL: 7.38
FILL VOL: 213.72

Sta 0+50.00 TO Sta 1+50.00

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL
DATE:	DATE:	DATE:	

ALABAMA DEPARTMENT OF TRANSPORTATION
9TH DIVISION DESIGN SECTION

HORIZ 10 0 10 SCALE (FEET) 10 VERT 0 10

SHEET TITLE	ROUTE
CROSS SECTION	US-98

Sta 0+50.00 Sta 1+50.00

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$DATE$ $TIME$ leak

EARTHWORK SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
99-409-022-042-301	2013	65

EARTHWORK SUMMARY CALCULATIONS (WORKSHEET TO USE WHEN NOT STRIPPING TOPSOIL)

USER INPUT FOR CALCULATIONS

DESIGNATION	DESCRIPTION	PERCENT	UNITS	REMARKS
SF	SHRINKAGE / SWELL FACTOR	30	%	(+) FOR SHRINKAGE, (-) FOR SWELL
UF	UNUSUABLE FACTOR	30	%	

DESIGNATION	DESCRIPTION	VOLUME	UNITS	REMARKS
A	CUT	1,602	CU YD	
B	FILL	837	CU YD	
P	NEEDED TOPSOIL ON CUT SECTION	0	CU YD	
Q	NEEDED TOPSOIL ON FILL SECTION	0	CU YD	
E	TOTAL TOPSOIL NEEDED FOR PROJECT	36	CU YD	

OUTPUT CALCULATIONS

DESIGNATION	DESCRIPTION	VOLUME	UNITS	REMARKS
A	CUT	1,602	CU YD	
P	NEEDED TOPSOIL ON CUT SECTION	0	CU YD	
F=A+P	UNCLASSIFIED EXCAVATION	1,602	CU YD	
A	CUT	1,602	CU YD	
UF	UNUSUABLE FACTOR	30	%	
J=A-(A*UF/100)	CUT AVAILABLE FOR FILL	1,122	CU YD	
B	FILL	837	CU YD	
Q	NEEDED TOPSOIL ON FILL SECTION	0	CU YD	
K=(B-Q)-J	TOTAL FILL NEEDED	0	CU YD	
SF	SHRINKAGE / SWELL FACTOR	30	%	
L=K*(100/(100-SF))	REQ'D BORROW EXCAVATION	0	CU YD	

OUTPUT PROJECT TOTALS

	DESCRIPTION	VOLUME	UNITS	REMARKS
F	REQ'D UNCLASSIFIED EXCAVATION	1,602	CU YD	
L	REQ'D BORROW EXCAVATION	300	CU YD	
E	REQ'D TOPSOIL	36	CU YD	

EBR & CROSSOVER TOTALS		
ITEM 210A-000 UNCLASSIFIED EXCAVATION	1,602	CU YDS
ITEM 210D-013 BORROW EXCAVATION	300	CU YDS
ITEM 650A-000 TOPSOIL	36	CU YDS

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION 9TH DIVISION DESIGN SECTION	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:			EARTHWORK SUMMARY	US-98

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