

FINAL DOCUMENTATION AND PROJECT RECORDS

- ~ Final Documents
- ~ Force Accounts
- ~ Field Books

FINAL DOCUMENTS

- Organization
- Contractor Closeout Paperwork
- Submittals
- Final Estimate and Engineer/Geotech Invoices
- Summary of Quantities
- Environmental Paperwork
- As-Built Plans
- Common Certification/Paperwork Issues

ORGANIZATION & FORMAT

- Submittals should be organized and include table of contents
- Test reports must be bound (3-ring binder, spiral-bound, etc)
- Each pay item should have its own folder, with all supporting information contained within the folder

CONTRACTOR CLOSEOUT PAPERWORK

- Affidavit of payment of debts
- Consent of Surety to pay Contractor's retainage
- Proof of Advertisement
- Geotech preliminary materials report and all test reports
- Daily traffic check (C-25)
- Truck Bed Measurements
- Water main pressure test & Bac-T test results
- Certification letter for asphalt/base material conformance with specifications
- QC/QA

SUBMITTALS

- Approved job mixes (concrete, asphalt, etc)
- For waterline work that is reimbursable, manufacturer's certifications and component specifications must be submitted
- Any drawings used for construction that are not included in the plans or standard drawings (shop drawings, etc) must be submitted for review/approval by the Engineer and must be included in the final documents
- ROW monumentation certification letter & ROW map (if applicable)

FINAL ESTIMATE & ENGINEER/GEOTECH INVOICES

- Preliminary final estimate & final quantities
- Estimate should match field book quantities
- Ensure that all geotechnical and engineer invoices have been submitted for work performed to-date. Final payment will be made once final quantities have been accepted by mobile county

SUMMARY OF QUANTITIES

- Final quantities summary should have a columns for pay item, plan quantity, as-built quantity, unit, description, and remarks
- Remarks column should indicate field book(s) and page number(s) where information for the corresponding pay item is located
- Pay items for supplemental agreement need to be included at the end of the summary and shall be broken out separately from the other pay items. Each supplemental agreement needs to be listed and broken down individually, regardless of whether identical pay items are used.
- QC/QA adjustments, HMA, and BPA quantities should be listed at the end of the summary.
- In addition to summary of quantities, percent overruns needs to be listed as well. The percent overruns is similar to the summary of quantities, except for the “Remarks” column. Instead, there needs to be a column indicating the percent over/under plan quantity, with a **CLEARLY INDICATED** reason for any overrun of **5% or more**
- **PLEASE ENSURE THAT QUANTITIES HAVE BEEN LISTED TO THE CORRECT DECIMAL PLACE**

SUMMARY OF QUANTITIES
PROJECT NO. MCR-2004- ()
COUNTY OF MOBILE, ALABAMA

ITEM NO	PLAN QUANTITY	AS-BUILT QUANTITY	UNIT	DESCRIPTION	REMARKS
201A-002	1	1	LUMP SUM	CLEARING & GRUBBING (APPROXIMATELY 3 ACRES) (MAXIMUM ALLOWABLE BID \$4000/ACRE)	Bk 1, Pg 1
206C-010	188	371.8	SQUARE YARD	REMOVING CONCRETE DRIVEWAY	Bk 1, Pg 2
206D-000	205	289.0	LINEAR FEET	REMOVING PIPE	Bk 1, Pg 3
208E-000	11	12	EACH	REMOVING HEADWALLS	Bk 1, Pg 4
209A-000	28	31	EACH	MAILBOX RESET, SINGLE	Bk 1, Pg 5
209A-002	1	1	EACH	MAILBOX RESET, MULTIPLE	Bk 1, Pg 6
210A-000	7155	5752	CUBIC YARD	UNCLASSIFIED EXCAVATION	Bk 1, Pg 7
210B-001	6197	7682	CUBIC YARD	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)	Bk 1, Pg 8
214A-000	272	408	CUBIC YARD	STRUCTURE EXCAVATION	Bk 1, Pg 9
214B-000	182	0	CUBIC YARD	FOUNDATION BACKFILL, LOCAL	Bk 1, Pg 10
230A-000	22	22	ROADBED STATION	ROADBED PROCESSING	Bk 1, Pg 11
301A-012	6000	3392.2	SQUARE YARD	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS	Bk 1, Pg 12
401A-000	3600	1972	SQUARE YARD	BITUMINOUS TREATMENT A	Bk 1, Pg 13
405A-000	5700	7458	GAL	TACK COAT	Bk 1, Pg 14 & 15
429A-220	6000	6063.38	TON	IMPROVED BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE B	Bk 1, Pg 16 to 18
429B-221	750	391.94	TON	IMPROVED BITUMINOUS CONCRETE BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE B	Bk 1, Pg 19
429B-226	200	0	TON	IMPROVED BITUMINOUS CONCRETE BINDER LAYER, PATCHING, 1 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE B	Bk 1, Pg 20
429B-227	7780	8261.88	TON	IMPROVED BITUMINOUS CONCRETE BINDER LAYER, LEVELING, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE B	Bk 1, Pg 21 to 23
429C-231	3000	2095.39	TON	IMPROVED BITUMINOUS CONCRETE BASE LAYER, WIDENING, 1 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE B	Bk 1, Pg 24 & 25
430B-040	500	145.3	TON	AGGREGATE SURFACING (CRUSHED AGGREGATE BASE, TYPE B)	Bk 1, Pg 26
530A-001	40	40.00	LINEAR FEET	18" ROADWAY PIPE (CLASS 3 R.C.)	Bk 1, Pg 27
530A-004	18	16.00	LINEAR FEET	36" ROADWAY PIPE (CLASS 3 R.C.)	Bk 1, Pg 28
530A-101	24	46.00	LINEAR FEET	18" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)	Bk 1, Pg 29
530A-102	72	16.00	LINEAR FEET	24" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)	Bk 1, Pg 30
530A-104	32	0	LINEAR FEET	36" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)	Bk 1, Pg 31
530B-001	70	72.00	LINEAR FEET	22" SPAN, 14" RISE ROADWAY PIPE (CLASS 3 R.C.)	Bk 1, Pg 32
533A-098	435	438.00	LINEAR FEET	18" STORM SEWER PIPE (CLASS 3 R.C.)	Bk 1, Pg 33
533A-099	23	24.00	LINEAR FEET	24" STORM SEWER PIPE (CLASS 3 R.C.)	Bk 1, Pg 34
535A-078	248	312.00	LINEAR FEET	15" SIDE DRAIN PIPE (CLASS 3 R.C.)	Bk 1, Pg 35
535A-080	92	200.00	LINEAR FEET	18" SIDE DRAIN PIPE (CLASS 3 R.C.)	Bk 1, Pg 36

ENVIRONMENTAL PAPERWORK

- All stormwater reports need to be up-to-date and signed
- ADEM notice of termination letter shall be filled out/submitted by the engineer within 10 days from the date the project has been accepted for maintenance

AS-BUILT PLANS

- Cross-Section Sheets:

Must show both existing ground and constructed grades

Break/intersection points must be clearly labeled and legible

Annotations must include both offset and elevations, with original ground annotations below and constructed grades above

If cut/fill volumes are not hand-calculated, summary sheets with calculated volumes for each increment must be submitted. There must be enough information provided for Mobile County to verify calculations, whether calculated by hand or with software.

- Drainage Sheets:

Show locations for PETs, drainage structures, pipes, riprap, filter blanket, structure excavation, and foundation backfill.

- Plan & Profile Sheets:

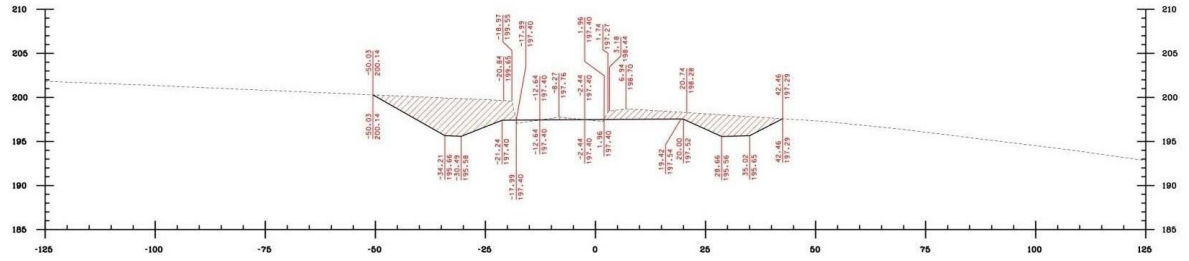
All pipes need to be clearly annotated. Must show offset, station, length, size, type, class, skew, slope, and flowline elevations for begin/end of pipe. Clearly indicate between proposed and constructed measurements.

All drainage structures need to be clearly annotated. Must show station, offset, type, class, and required slope. Also, show elevations for the throat (weir inlet), grate (grate inlet), and top (junction box), as well as the bottom and pipe elevations within each drainage structure. Clearly indicate between proposed and constructed measurements.

Concrete items paid by cubic yard (slope paving, minor structure, etc) must be clearly indicated by providing stations for begin/end, quantity, type, and length

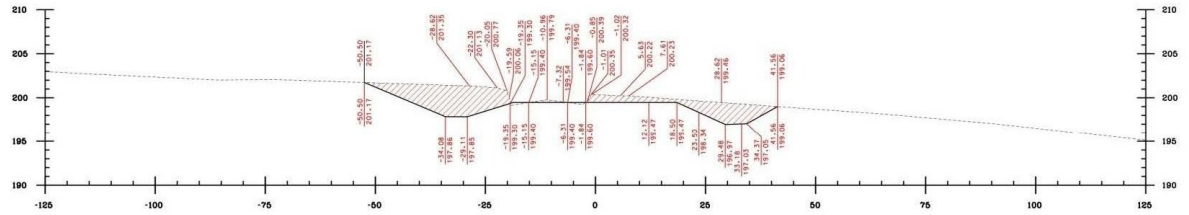
Filter blanket and riprap must be identified by station, quantity, class, thickness, and area

FHWA REG. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
-	-	-	2008	-	-



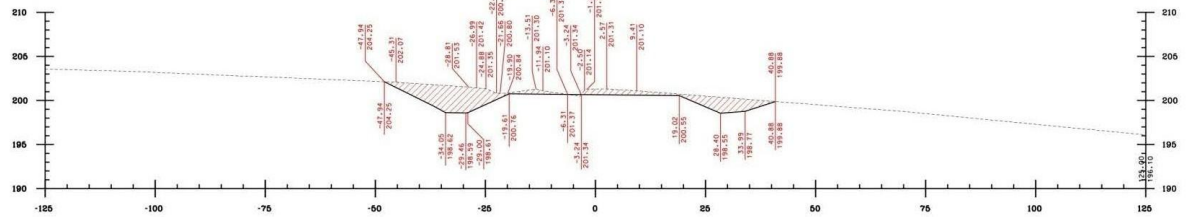
39+00
Area Cut: 143.008

Volume Cut: 495.034



38+00
Area Cut: 124.311

Volume Cut: 392.858

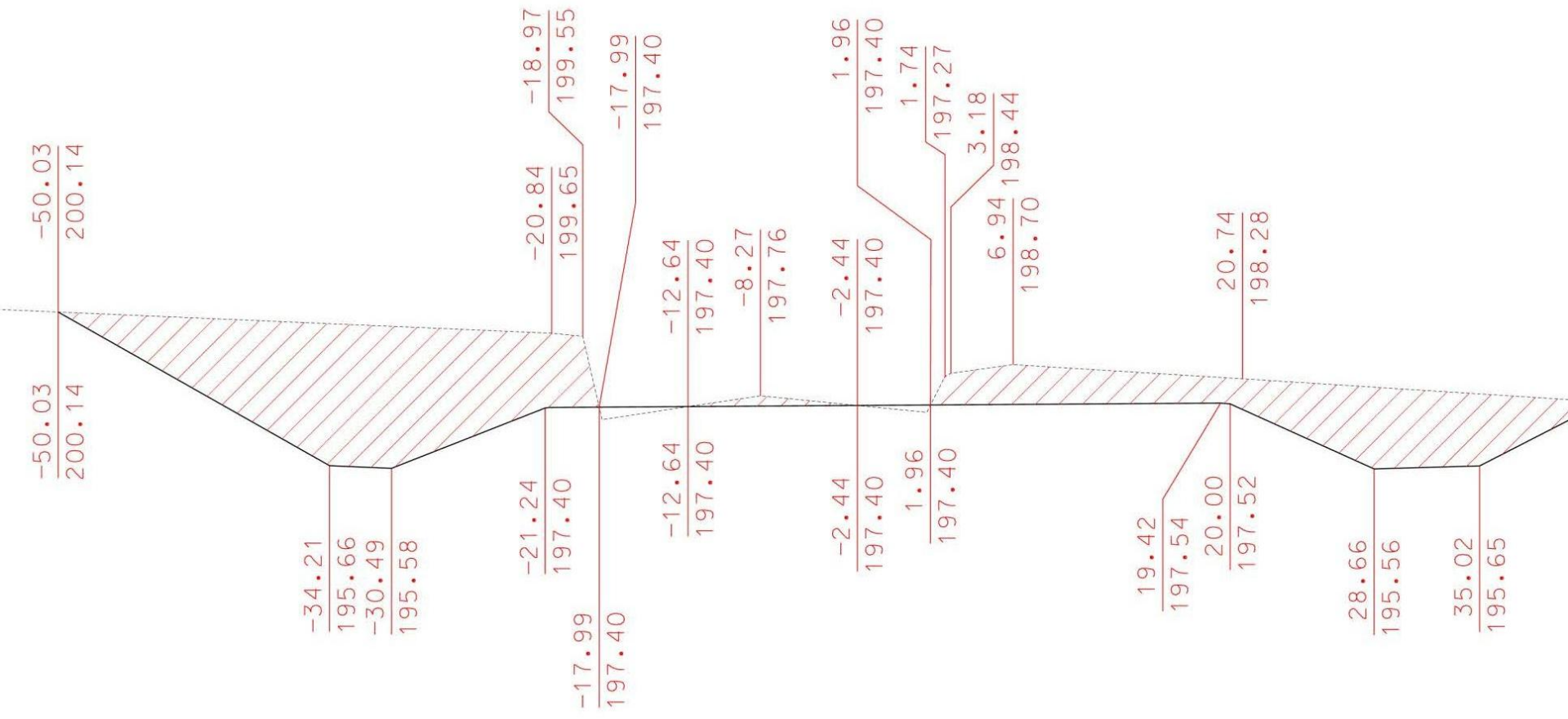


37+00
Area Cut: 87.714

Volume Cut: 87.714

SCALE: HOR. 1"=10'
VERT. 1"=5'

Sta 38+00 - Sta 39+00



72 LIN FT
L 3, RDWY
~~50%~~ 0.71%

00

27+00

128+00

REQD SPECIAL
DITCH, TYPE S-4

SD
1

129+00

+90

+33.6
40' RT

4
27A

PT
Sta 129+33.63

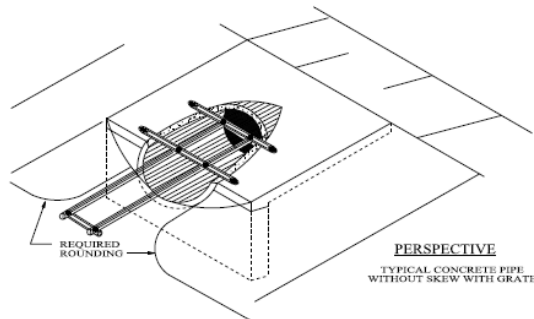
CONSTR RE-ALIGNMENT
GRAND BAY - WILMER RD.

SD
1

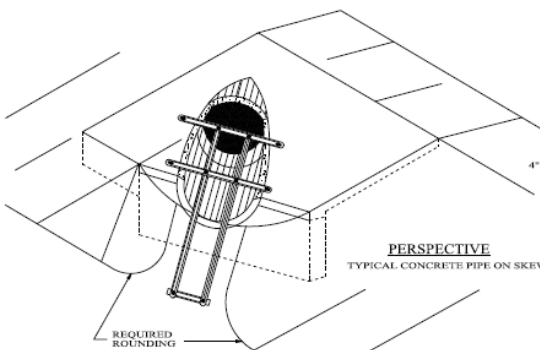
~~REQD~~ STA 129+06 (RT) TO 129+38 (RT), ~~30~~ 32 LIN FT
18" RCP SD PIPE, CLS 3 @ ~~1.13%~~ 1.31%
W/(2)18" SD PET, CLS 1, 4:1 SLOPE
FL (IN)=~~161.68~~ 161.75
FL (OUT)=~~161.34~~ 161.33

COMMON CERTIFICATION/PAPERWORK ISSUES

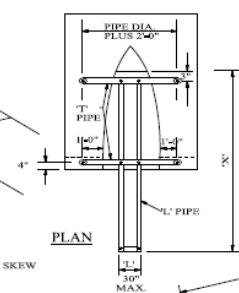
- Borrow Excavation: No soil classification, no in-place density
- Roadbed Processing: No in-place density
- CAB (301): No gradation from plant (BMT-91)
- CAB (430): No gradation from plant (BMT-91)
- Precast Pipe: BMT-47, BMT-72 missing or not signed. Missing delivery ticket.
- Concrete Pay Items: MC-83 incomplete/not signed, no sketches of items poured. No steel certifications
- Erosion Control Items: No documentation provided. If invoice/sticker is not available, submit signed memo (see example)
- Closeout Letter: Not submitted
- Foundation Backfill: Permeability test (local), gradation, haul tickets (commercial)
- Unclassified Excavation: No backup documentation to check calculations
- Topsoil: No test report for deleterious, organics, sand/clay, or pH



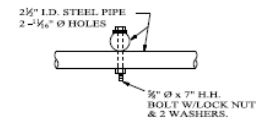
PERSPECTIVE
TYPICAL CONCRETE PIPE
WITHOUT SKEW WITH GRATE



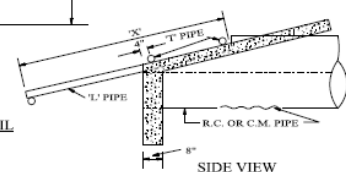
PERSPECTIVE
TYPICAL CONCRETE PIPE ON SKEW



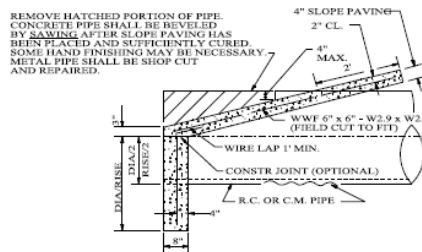
PLAN



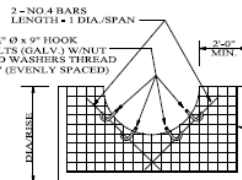
FASTENING DETAIL



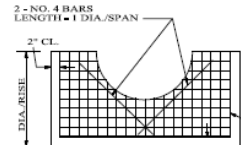
SIDE VIEW



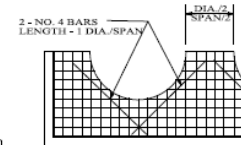
SIDE VIEW



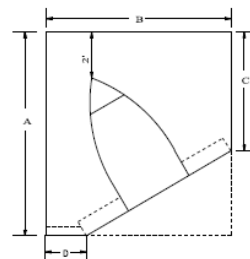
END VIEW-METAL PIPE



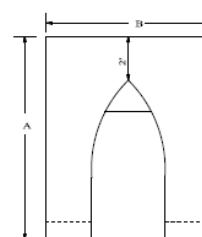
END VIEW-CONCRETE PIPE



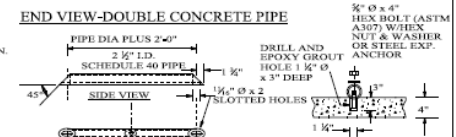
END VIEW-DOUBLE CONCRETE PIPE



PLAN
ON SKEW



PLAN
NO SKEW



GRATE ATTACHMENT

PIPE DETAIL

GENERAL NOTES

1. THE FILL SHALL BE PLACED AND FINISHED AND ALL SHORING REMOVED BEFORE ANY CONCRETE SHALL BE PLACED ON SLOPES.
2. QUANTITIES SHOWN INCLUDES TWO (2) COMPLETE HEADWALLS.
3. WHERE 6:1 FRONT SLOPES ARE REQUIRED, THEY SHALL BE WARPED TO FIT 4:1 INSTALLATION.
4. 8" THICK END WALL SHALL BE PERPENDICULAR TO FLOW LINE. WARP AND DRESS ADJACENT FILL TO FIT SKEWED CONDITIONS. EDGES OF PAVING PLACED UPON FRONT SLOPE SHALL BE PARALLEL TO SLOPE LINE.
5. DETAIL AND QUANTITIES SHOWN ON THIS DRAWING APPLIES TO REINFORCED CONCRETE AND CORRUGATED METAL PIPES.
6. SLOPED PAVED HEADWALL WITHOUT GRATE SHALL BE CLASS 1, HEAD WALL WITH GRATE SHALL BE CLASS 2.
7. A 24" PIPE WITH GREATER THAN A 30° SKEW AND 30" OR GREATER IN DIAMETER SHALL HAVE A CLASS 2 END TREATMENT WHEN TERMINATED WITHIN THE CLEAR ZONE.
8. ADDITIONAL 4" THICK TOEWALL 12" DEEP WILL BE REQUIRED ON 30° AND 45° SKEW. SEE DIMENSION "D" ON PLAN VIEW.

NOT TO SCALE

SPECIFICATIONS	
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO.	
HW-614-B (SHEET 1 OF 2)	
SHEET NO.	61909



ALABAMA DEPARTMENT OF TRANSPORTATION
UNIVERSITY MICROFILMS
MONTGOMERY, AL 36106

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REVISIONS

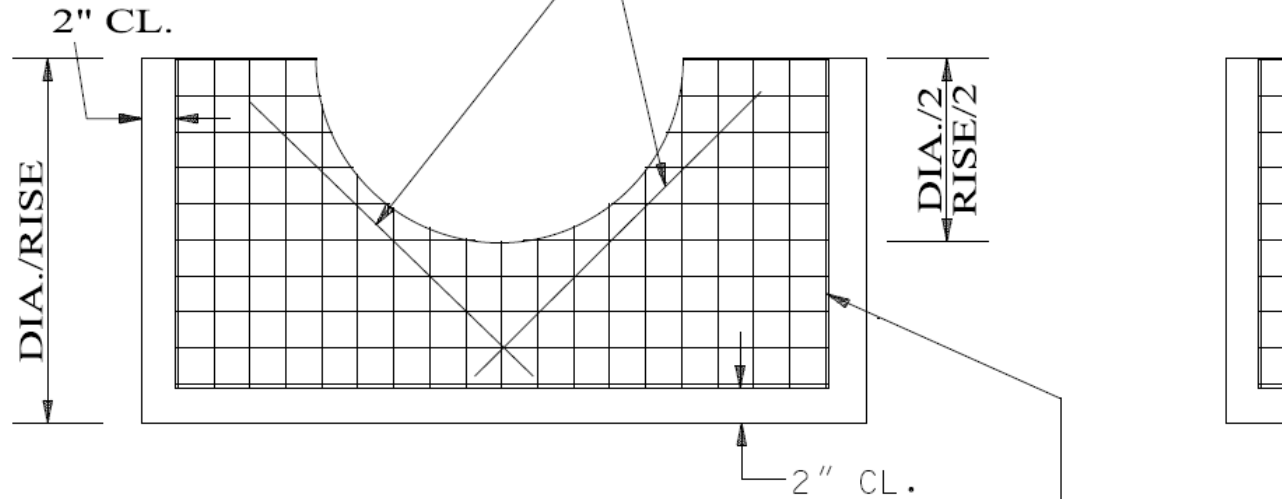
1. ADDED TO CADD on 12/14/99 by J.E.T.
2. Changed from 2" to 1" and added a gap to concrete pipe on skew on 12/17/2009 by W.W.A.

Drawn By: J.E.T.
Checked By: J.E.T.
Date: 12/14/99
Revised Date: 12/17/2009

DESIGN BUREAU SPECIAL DRAWING
SLOPE PAVED HEADWALL DETAILS FOR
REINFORCED CONCRETE AND
CORRUGATED METAL ROADWAY PIPE

2 - NO. 4 BARS
LENGTH - 1 DIA./SPAN

2 - NO. 4
LENGTH



END VIEW-CONCRETE PIPE

MIN.

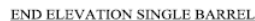
WWF 6" x 6"
- W 2.9 x W2.9 MIN.
(FIELD CUT)

GENERAL NOTES

1. THE FILL SHALL BE PLACED AND FINISHED AND ALL SHORING REMOVED BEFORE ANY CONCRETE SHALL BE PLACED ON SLOPES.
2. **QUANTITIES SHOWN INCLUDES TWO (2) COMPLETE HEADWALLS.**
3. WHERE 6:1 FRONT SLOPES ARE REQUIRED, THEY SHALL BE WARPED TO FIT 4:1 INSTALLATION.
4. 8" THICK END WALL SHALL BE PERPENDICULAR TO FLOW LINE. WARP AND DRESS ADJACENT FILL TO FIT SKEWED CONDITIONS. EDGES OF PAVING PLACED UPON FRONT SLOPE SHALL BE PARALLEL TO SLOPE LINE.
5. DETAIL AND QUANTITIES SHOWN ON THIS DRAWING APPLIES TO REINFORCED CONCRETE AND CORRUGATED METAL PIPES.
6. SLOPED PAVED HEADWALL WITHOUT GRATE SHALL BE CLASS 1, HEAD WALL WITH GRATE SHALL BE CLASS 2.
7. A 24" PIPE WITH GREATER THAN A 30° SKEW AND 30" OR GREATER IN DIAMETER SHALL HAVE A CLASS 2 END TREATMENT WHEN TERMINATED WITHIN THE CLEAR ZONE.
8. ADDITIONAL 4" THICK TOEWALL 12" DEEP WILL BE REQUIRED ON 30° AND 45° SKEW. SEE DIMENSION "D" ON PLAN VIEW.

PIPE DIA	ROUND PIPE	0° SKEW											
		2:1 SLOPE				3:1 SLOPE				4:1 SLOPE			
		A	B		CU YD CONC	A	B		CU YD CONC	A	B		CU YD CONC
15"	SINGLE DOUBLE	3'-5" 3'-5"	5'-3" 7'-2"		.4 .5	4'-0" 4'-0"	5'-3" 7'-2"		.4 .5	4'-7" 4'-7"	5'-3" 7'-2"		.4 .6
18"	SINGLE DOUBLE	3'-8" 3'-8"	5'-6" 7'-9"		.4 .6	4'-4" 4'-5"	5'-6" 7'-9"		.5 .6	5'-1" 5'-2"	5'-6" 7'-9"		.5 .7
24"	SINGLE DOUBLE	4'-3" 4'-3"	6'-0" 9'-0"		.5 .8	5'-2" 5'-2"	6'-0" 9'-0"		.6 .8	6'-2" 6'-2"	6'-0" 9'-0"		.6 .9
30"	SINGLE DOUBLE	4'-10" 4'-10"	6'-6" 10'-3"		.6 1.0	5'-11" 6'-0"	6'-6" 10'-3"		.7 1.0	7'-2" 7'-2"	6'-6" 10'-3"		.7 1.1
36"	SINGLE DOUBLE	5'-4" 5'-5"	7'-0" 11'-6"		.8 1.2	6'-9" 6'-9"	7'-0" 11'-6"		.8 1.2	8'-2" 8'-3"	7'-0" 11'-6"		.9 1.3
42"	SINGLE DOUBLE	5'-11" 5'-11"	7'-6" 12'-9"		.9 1.4	7'-7" 7'-7"	7'-6" 12'-9"		.9 1.5	9'-3" 9'-3"	7'-6" 12'-9"		1.0 1.5
48"	SINGLE DOUBLE	6'-6" 6'-6"	8'-0" 14'-0"		1.0 1.8	8'-4" 8'-4"	8'-0" 14'-0"		1.1 1.7	10'-3" 10'-3"	8'-0" 14'-0"		1.1 1.7
54"	SINGLE DOUBLE	7'-0" 7'-0"	8'-6" 15'-3"		1.1 1.9	9'-1" 9'-1"	8'-6" 15'-3"		1.2 2.0	11'-3" 11'-4"	8'-6" 15'-3"		1.2 2.0
60"	SINGLE DOUBLE	7'-7" 7'-7"	9'-0" 16'-6"		1.3 2.2	9'-11" 9'-11"	9'-0" 16'-6"		1.3 2.3	12'-4" 12'-4"	9'-0" 16'-6"		1.3 2.2

The cubic yardage does **NOT** include the toe wall. In the example, 0.4 cubic yards refers to the quantity of concrete for two (2) headwalls **ONLY**



DIMENSIONS AND QUANTITIES

GENERAL NOTES

1. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
2. QUANTITIES SHOWN INCLUDE TWO (2) SLOPE PAVED HEADWALLS WITH TOE BOLT SLOPE.
3. DIMENSIONS AND QUANTITIES SHOWN APPLIES TO CONCRETE, CORRUGATED METAL PIPE, AND CORRUGATED HDPE PIPE. CONCRETE QUANTITIES ARE SUFFICIENT WHEN HEADWALLS FOR ARCH PIPE IS DESIRABLE.
4. CONCRETE PIPE SHALL BE REVELED BY SAWING AFTER SLOPE PAVING HAS BEEN PLACED. REVEALING SHALL BE DONE BY CUTTING OFF THE EXCESSING HAS NECESSARY. METAL PIPE SHALL BE SHOP CUT. CORRUGATED HDPE PIPE SHALL BE FIELD CUT. PAVED ARCH PIPE SHALL BE SHOP CUT.
5. CONTRACTOR SHALL INSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN REVELED PIPE END AND EXISTING PIPE WITHIN THE HEADWALL SHALL BE MADE BY WELDING TO PIPE 6" Ø x 6' GALVANIZED HOOK BOLTS WITH WASHERS LOCATED AT 30" OC FOR THE TOP AND 26" AND 26" x 6" GALVANIZED THREADED HEX HEAD BOLTS WITH WASHERS LOCATED ON 24" CENTERS FOR SIDES. ANCHOR BOLTS INTO CONCRETE.
6. SLOPE PAVED HEADWALL WITHOUT GRATE SHALL BE CLASS 1. SLOPE PAVED WITH GRATE SHALL BE CLASS 2.
7. A 24" PIPE WITH GREATER THAN A 30° SKEW AND 30" OR GREATER IN DIAMETER SHALL HAVE A CLASS 2 END TREATMENT WHEN TERMINATED WITHIN THE CLEAR ZONE.
8. GRATE SHALL BE SCHEDULE 40, GALVANIZED (ASTM A53).
9. HARDWARE SHALL BE GALVANIZED ACCORDING TO SPECIFICATIONS.
10. RAW METAL EXPOSED BY CUTTING AND DRILLING OF PIPE FOR GRATE ASSEMBLY WILL REQUIRE A GALVANIZING REPAIR PAINT IN ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER.

NOT TO SCALE

-SPECIFICATIONS-

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

OFFICIAL DRAWING

SPECIAL DRAWING NO.

LOCATION	INDEX NO.

INDEX NO.



**ALABAMA DEPARTMENT
OF TRANSPORTATION**
1009 COLISEUM BOULEVARD
MONTGOMERY, AL 36104-0050

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PROVISIONS:

1. Changed notes 3, 4, & 5 to allow the use of HDPE pipe on 9/12/1997 by C.J.S.
2. Added Note No. 7 requiring use of Gtmo on 1/3/2009 by W.W.A.

FORMER: Ed Engel	CDJW
DRAWN BY:	
DATE DRAWN:	2-6-199
REVISID DATE:	1-6-200

DESIGN BUREAU SPECIAL DRAWING

CONCRETE SLOPE PAVED HEADWALL
AND GRATE FOR SIDEDRAIN PIPE

SPECIAL DRAWING NO	INDEX NO
HW-614-SP	61913

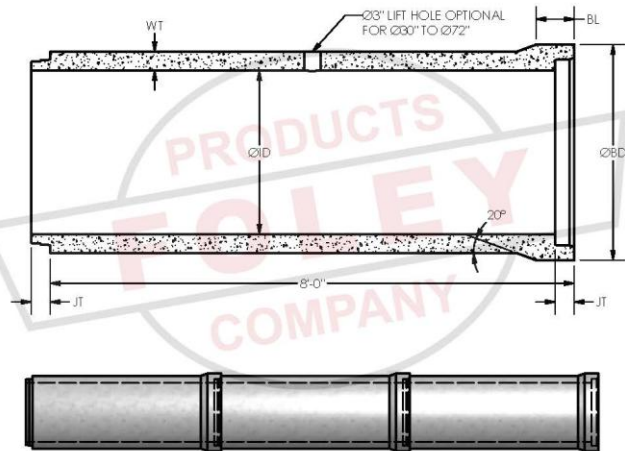
GENERAL NOTES

1. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
2. QUANTITIES SHOWN INCLUDE TWO (2) SLOPE PAVED HEADWALLS WITH TOE WALLS.
3. DIMENSIONS AND QUANTITIES SHOWN APPLIES TO CONCRETE, CORRUGATED

For side-drain pipes, the table lists quantities for two (2) headwalls **AND** toe walls

7. A 24" PIPE WITH GREATER THAN A 30° SKEW AND 30" OR GREATER IN DIAMETER SHALL HAVE A CLASS 2 END TREATMENT WHEN TERMINATED WITHIN THE CLEAR ZONE.
8. PIPE FOR GRATE SHALL BE SCHEDULE 40, GALVANIZED (ASTM A53) HARDWARE SHALL BE GALVANIZED ACCORDING TO SPECIFICATIONS.
9. RAW METAL EXPOSED BY CUTTING AND DRILLING OF PIPE FOR GRATE ASSEMBLY WILL REQUIRE A GALVANIZING REPAIR PAINT IN ACCORDANCE WITH SECTION 855.31 OF ALDOT SPECIFICATIONS.

ID	WALL	WT	BL	JT	BD	TONS
15"	B	2.25"	6.50"	4.25"	23.125"	0.61
18"	B	2.50"	6.50"	4.25"	26.625"	0.74
24"	B	3.00"	7.00"	4.75"	32.625"	1.10
30"	B	3.50"	7.00"	5.00"	39.500"	1.58
36"	B	4.00"	7.00"	5.00"	45.625"	2.07
42"	B	4.50"	7.00"	5.00"	52.000"	2.66
48"	B	5.00"	N/A	4.25"	N/A	3.47
54"	B	5.50"	N/A	4.25"	N/A	4.28
60"	B	6.00"	N/A	4.75"	N/A	5.18
72"	B	7.00"	N/A	5.00"	N/A	7.24



MATERIALS:

CONCRETE: 4,000 PSI, TYPE I/II CEMENT
CONFORMS TO ASTM C-76
JOINT CONFORMS TO ASTM C-443 / C-1628

NOTES:

AVAILABLE IN CLASS III, IV AND V
SEE 3.2 FOR JOINT DETAIL

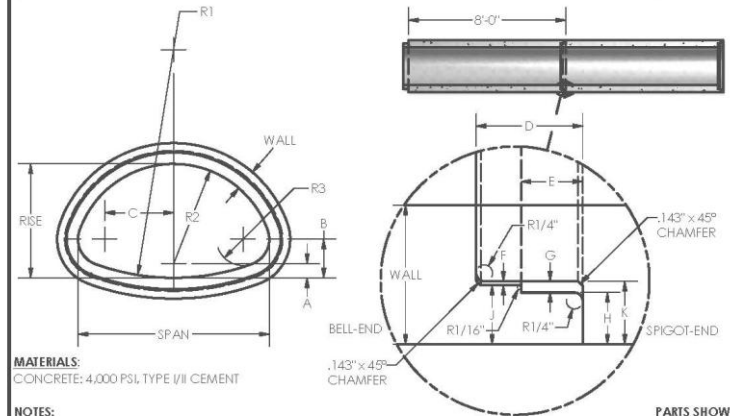
PARTS SHOWN:

Ø30\" B-WALL WITH LIFT HOLE

PRODUCTS FOLEY COMPANY	REINFORCED CONCRETE PIPE	3.1
	Ø15" - Ø72" B-WALL PIPE	

EQUIV Ø	WALL	RISE	SPAN	R1	R2	R3	A	B	C
15"	3.250"	11.0000"	18.000"	22.8750"	10.6250"	4.041400"	0.3750"	4.68750"	4.03125"
18"	3.375"	13.5000"	22.000"	27.5000"	13.7500"	5.250000"	0.2500"	6.00000"	5.75000"
24"	3.750"	18.0000"	28.500"	40.6875"	14.5625"	4.593750"	3.4375"	5.90625"	9.65625"
30"	4.250"	22.5000"	36.250"	51.0000"	18.7500"	6.031250"	3.7500"	7.68750"	12.09375"
36"	4.750"	26.6250"	43.750"	62.0000"	22.5000"	6.375000"	4.1250"	8.56250"	15.50000"
42"	5.250"	31.3125"	51.125"	73.0000"	26.2500"	7.562500"	5.0625"	10.09375"	18.00000"
48"	5.750"	36.0000"	58.500"	84.0000"	30.0000"	8.750000"	6.0000"	11.59375"	20.50000"
54"	6.25"	40.0000"	65.000"	92.5000"	33.3750"	9.812500"	6.6250"	13.00000"	22.68750"
60"	6.75"	45.0000"	73.000"	105.0000"	37.5000"	11.21875"	7.5000"	14.68750"	25.28125"

EQUIV Ø	D	E	F	G	H	J	K	TONS
15"	3.25"	1.875"	1.126000"	0.32600"	1.00000"	1.314"	1.326"	0.80
18"	3.25"	1.875"	0.12500"	0.34375"	1.25000"	1.564"	1.576"	0.96
24"	3.25"	1.875"	0.12500"	0.34375"	1.50000"	1.814"	1.826"	1.36
30"	3.25"	1.875"	0.12500"	0.34375"	1.59375"	1.912"	1.924"	1.93
36"	3.25"	1.875"	0.12500"	0.34375"	1.71875"	2.037"	2.049"	2.56
42"	3.75"	2.250"	0.15625"	0.43750"	1.90625"	2.350"	2.365"	3.34
48"	3.75"	2.250"	0.15625"	0.43750"	2.15625"	2.600"	2.615"	4.13
54"	4.25"	2.250"	0.14600"	0.44600"	2.30400"	2.752"	2.750"	4.92
60"	4.25"	2.250"	0.14600"	0.44600"	2.60400"	3.052"	3.050"	5.92



MATERIALS:

CONCRETE: 4,000 PSI, TYPE I/II CEMENT

NOTES:

AVAILABLE IN CLASS III AND IV

PARTS SHOWN:

30\" ARCH RCP

PRODUCTS FOLEY COMPANY	REINFORCED CONCRETE PIPE	3.9
	ARCH PIPE	

Mobile County Public Works
Engineering Department

**CONCRETE PLACEMENT
DAILY REPORT**

MC-83
Revision: 10/15/25
Page 1 of 1

Copies:

Project Engineer
Mobile County

Project Number: MCR-2016-251
Location: Greg Street, Prichard
Date: 6/12/25

Report No. : PET-3 Pay Item #: 619A-001
Split Report: (YES) / NO If YES, Split w/Report #: SW-2
Mix # / Type: Class A
Weather: Sunny

1. Temperature Range 88 °F **Low**, 92 °F **High**. Temperature of Mix 86 °F
2. Contractor U R Goode Construction
3. Concrete Producer & Location Bayou Concrete, Plant 73
4. Description Of Structures (2) 18" CL 1 Roadway PET, STR# 4, 4:1 Slope
5. Location Of Placement STA 28+00 LT & RT
6. Time Placement Started 11:45 (AM) PM) Completed 12:15 (AM) (PM)
7. Cubic Yards Delivered This Date 5 CUYD
8. Cubic Yards Placed This Date 0.8 CUYD
9. Volume Wasted This Date 2.42 CUYD
10. Total Cubic Yards Placed To Date 2.4 CUYD
11. Method Of Curing Polyethylene

12. Field Tests

Time	Slump (inches)	Time	% Air Entrained
11:01	3.00"	11:04	2.2%

13. Cylinder Testing

Time	Cylinder No.	Type Of Structure & Stationing	Cylinder Break Age	Field Curing	
				Method	°F Temperature
11:09	SW-5		3		
	SW-6		7		
	SW-7		28		
	SW-8		28		

14. Remarks: 1.68 yd for SW-2, 0.1 yd for testing

Geo Tech Inspector

Project Inspector

Project Engineer

ACI Certification Number

Mobile County Public Works
Engineering Department

**CONCRETE PLACEMENT
DAILY REPORT**

MC-83
Revision: 10/15/25
Page 1 of 1

Copies:

Project Engineer
Mobile County

Project Number: MCR-2016-251
Location: Greg Street, Prichard
Date: 6/12/25

Report No. : SW-2 Pay Item #: 618A-000
Split Report: (YES) / NO If YES, Split w/Report #: PET-3
Mix # / Type: Class A
Weather: Sunny

1. Temperature Range 88 °F **Low**, 92 °F **High**. Temperature of Mix 86 °F
2. Contractor U R Goode Construction
3. Concrete Producer & Location Bayou Concrete, Plant 73
4. Description Of Structures 136 LF of 4" sidewalk
5. Location Of Placement STA 25+00 - STA 26+36 LT
6. Time Placement Started 11:15 (AM) PM) Completed 11:45 (AM) PM)
7. Cubic Yards Delivered This Date 5 CUYD
8. Cubic Yards Placed This Date 1.68 CUYD
9. Volume Wasted This Date 2.42 CUYD
10. Total Cubic Yards Placed To Date 3.53 CUYD
11. Method Of Curing Polyethylene

12. Field Tests

Time	Slump (inches)	Time	% Air Entrained
11:01	3.00"	11:04	2.2%

13. Cylinder Testing

Time	Cylinder No.	Type Of Structure & Stationing	Cylinder Break Age	Field Curing	
				Method	°F Temperature
11:09	SW-5		3		
	SW-6		7		
	SW-7		28		
	SW-8		28		

14. Remarks: 0.8 yd for PET-3, 0.1 yd for testing

Geo Tech Inspector

Project Inspector

Project Engineer

ACI Certification Number

12/4/2024

Mr. Johnny Harper, P.E.
Engineering Manager - Construction
Mobile County Engineering
205 Government St
6th Floor – South Tower
Mobile, AL 36644

RE: Project No. XXX-XXXX-XXX

Dear Sir:

The following material and workmanship was inspected by this office at the jobsite and was found to be in “NEW” condition before installation. Please accept this letter and attached documentation as justification of payment for the following item(s):

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>
665Q-002	Aspen Excelsior Logs, Western Excelsior – Mancos, CO	300LF

The material is approved according to List II-24 of ALDOT’s *List of Qualified Materials, Sources, and Devices*

Should you need additional information, please contact our office.

Sincerely,

SIGNATURE

Project Engineer

12/4/2024

Mr. J ohhny Harper, P.E.
Engineering Manager - Construction
Mobile County Engineering
205 Government St
6th Floor – South Tower
Mobile, AL 36644

RE: Project No. XXX-XXXX-XXX

Dear Sir:

This memorandum serves to affirm that all asphalt and base materials used and/or placed on this project were done so in conformance with the guidelines set forth in the *Alabama Department of Transportation Standard Specifications for Highway Construction*, 20____ edition, as well as the *Alabama Department of Transportation Construction Manual*, 20____ edition.

Additionally, all base materials have been checked for conformance and meet or exceed the surface requirements set forth in Sections 230.03(e), 231.03(d), 232.03(g), and 301.05(b) of the *Alabama Department of Transportation Standard Specifications for Highway Construction*, 20____ edition for the applicable pay item(s) associated with each of the aforementioned sections. All asphalt materials have been checked for conformance and meet or exceed the surface requirements set forth in Section 410.05.

Should you need additional information, please contact our office.

Sincerely,

SIGNATURE

Project Engineer

Pay Item	Description	Cert/Test Needed	Frequency
210D-XXX	Borrow Excavation LTBM	Soil Analysis	1 per 1,000ft per roadway, from top 12"
210D-XXX	Borrow Excavation LTBM	PD	each soil change
210D-XXX	Borrow Excavation LTBM	In-Place Density/ Moisture	1 per layer (max 8" loose) per 1,000 ft
214B-XXX	Foundation Backfill, Local & Commercial	Local: permeability test, gradation Commercial: haul tickets, must be #467 or #57 material	at least 1 per project
230A-000	Roadbed Processing (Modified & Improved)	PD	1 per 0.5 mile for each roadway, top 6"
230A-000	Roadbed Processing (Modified & Improved)	In-Place Density/ Moisture	1 per 1,000ft per roadway, top 6"
301A-XXX	Crushed Aggregate Base Course (X" thick)	Haul Tickets	Enough to cover volume/area placed
301A-XXX	Crushed Aggregate Base Course (X" thick)	Gradation	From Plant
301A-XXX	Crushed Aggregate Base Course (X" thick)	PD	1 per 10,000 ft each roadway, each layer
301A-XXX	Crushed Aggregate Base Course (X" thick)	In-Place Density/ Moisture	1 per 1,000 ft, each layer, each roadway
430B-XXX	Aggregate Surfacing (ALDOT #XXX)	Haul Tickets	Enough to cover volume/area placed
430B-XXX	Aggregate Surfacing (ALDOT #XXX)	Gradation	From Plant, depending on material specified
530A-XXX	XX" Roadway Pipe CL 3 RC	BMT-47 (test report)	For each LF
530A-XXX	XX" Roadway Pipe CL 3 RC	BMT-72 (precast shipping report)	For each LF
530A-XXX	XX" Roadway Pipe CL 3 RC	Precast invoice/delivery ticket	For each LF
614B-XXX	Reinforced Slope Paving	Placement Report (BMT-83)	Each pour/ pay item
614B-XXX	Reinforced Slope Paving	Test Report (cylinder breaks)	one set for 50 CY, at least 1 per day
614B-XXX	Reinforced Slope Paving	Steel Certs	Enough to cover typical section quantity
614B-XXX	Reinforced Slope Paving	Batch Ticket	Each pour/ pay item
614B-XXX	Reinforced Slope Paving	Sketches of placement to verify quantity	Each pour/ pay item
619A-XXX	PET, CL 1	Placement Report (BMT-83)	Each pour/ pay item
619A-XXX	PET, CL 1	Test Report (cylinder breaks)	one set for 50 CY, at least 1 per day
619A-XXX	PET, CL 1	Steel Certs	Enough to cover typical section quantity
619A-XXX	PET, CL 1	Batch Ticket	Each pour/ pay item
619A-XXX	PET, CL 1	Sketches of placement to verify quantity	Each pour/ pay item
623X-XXX	Concrete Curb/ Curb and Gutter	Placement Report (BMT-83)	Each pour/ pay item
623X-XXX	Concrete Curb/ Curb and Gutter	Test Report (cylinder breaks)	one set for 50 CY, at least 1 per day
623X-XXX	Concrete Curb/ Curb and Gutter	Steel Certs	Enough to cover typical section quantity
623X-XXX	Concrete Curb/ Curb and Gutter	Batch Ticket	Each pour/ pay item
623X-XXX	Concrete Curb/ Curb and Gutter	Sketches of placement to verify quantity	Each pour/ pay item
623X-XXX	Concrete Curb/ Curb and Gutter	Joint material	From approved list, invoice
641A-XXX	Water Service Line Laid	PVC, HDPE, Ductile Iron need certified chemical/physical test report. Copper is sampled. Need invoice for quantity/weight	
650A-000	Topsoil	Deleterious materials, Organic materials, Sand content, silt/clay content, pH	1 per 5,000 CY
654A-XXX	Solid sodding	invoice, area sketches	
665J-XXX	Silt Fence	invoice, from approved products list	
665Q-002	Wattle	invoice, from approved products list	

FORCE ACCOUNTS

- C-1-A
- C-1-B
- Daily Report

What is Contractors Gross Receipts Tax?

Contractors Gross Receipts Tax is a privilege tax imposed on persons, firms, and corporations engaged in the business of contracting to construct, reconstruct, or build public highways, roads, bridges, streets, or tunnels for the state of Alabama. The contractors gross receipts tax rate is 5% and applies to all payments made to the contractor or contract assignee whether the payments are made pursuant to a contract, purchase order, supplemental agreement, change request or other arrangement to perform work. These contracts may include but are not limited to the following:

- Earthwork
- Bases
- Surfacing
- Pavements
- Structures
- Incidentals such as:
 - Traffic control devices
 - Highway lighting
 - Materials
 - Bridge scouring and painting
 - Installation or repair of overhead signs
 - Installation of structure footings
 - Sign rehabilitation

The contractors gross receipts tax does not apply to the following:

- Contracts between the contractor and the federal government when the state of Alabama is not listed as a joint party.
- Contracts between the contractor or contract assignee and the city, town, or county when the state of Alabama is not listed as a joint party.
- Contracts to construct, reconstruct, or build rest areas or welcome stations.
- Contracts that do not include or require the construction, reconstruction, or building of a public highway, road, bridge, street, or tunnel. (Example: mowing and/or landscaping, parking lots, fencing, etc.)

Additional payments, which may cause an increase in the contract price, due to escalations in the cost of fuel, material, and/or labor.

ALABAMA DEPARTMENT OF TRANSPORTATION FORCE ACCOUNT SUMMARY			
PROJECT NO. _____ 0 _____ 0 _____ COUNTY			
DESCRIPTION / LOCATION OF WORK _____ 0			
WORK PERFORMED FROM _____ 1/0/00 _____ TO _____ 1/0/00 _____			
PAID ON ESTIMATE NO. _____ ☒ PRIME ☐ SUB PERFORMED BY: _____			
LABOR			
1	DIRECT LABOR		
2	25% ADDITIVE = 1 X 0.25		\$0.00
3	TOTAL LABOR = 1 + 2		\$0.00
MATERIAL			
4	INVOICE COST		\$0.00
5	15% ADDITIVE = 4 X 0.15		\$0.00
6	TOTAL MATERIAL = 4 + 5		\$0.00
EQUIPMENT			
7	TOTAL EQUIPMENT	(FROM FORM C-2 (PRIME ONLY))	\$0.00
INSURANCE / TAXES			
8	PAYROLL INSURANCE		
	Worker's Comp (8A)	Liability (8B) Property Damage (8C)	
9	TOTAL INSURANCE = (8A*1) + (8B*(3+6+7)) + (8C*(3+6+7))		
10	PAYROLL TAXES		
	Unemployment	Social Security	
	Federal (10A) 0.60%	State (10B) 0.14% FICA (10C) 7.65%	
11	TOTAL TAXES = (10A*1) + (10B*1) + (10C*1)		\$0.00
12	TOTAL PAYMENT		\$0.00

DAILY REPORT - FORCE ACCOUNT NO. _____

PROJECT NO. _____ COUNTY _____ DATE _____
CONTRACTOR _____ STATION _____ TO STATION _____
DESCRIPTION OF WORK _____

STATEMENT OF EQUIPMENT AND LABOR

[illegible]

STATEMENT OF MATERIALS ACTUALLY PLACED THIS DATE

[illegible]

SIGNATURE & TITLE

INSPECTOR

CONTRACTOR

PROJECT ENGINEER

THANK YOU

Andy Tentinger

(O) 251.574.5745

Andy.Tentinger@mobilecountyal.gov