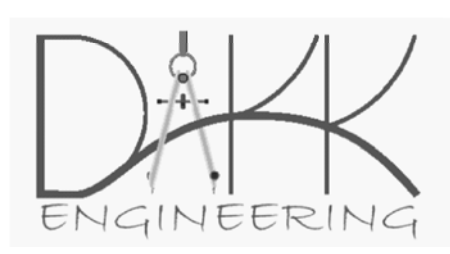
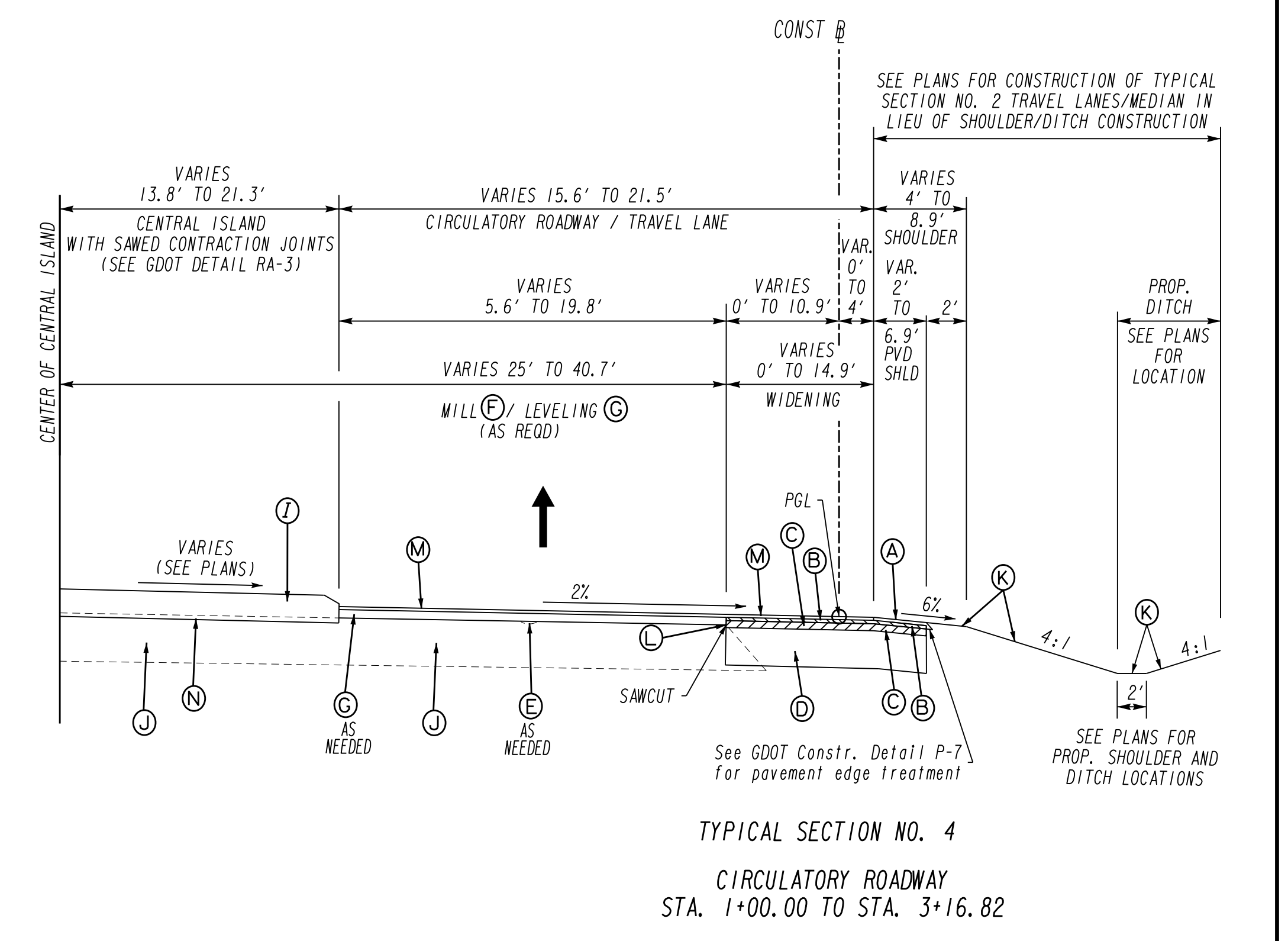


SHOULDER ROLLOVER TABLE

S.E. RATE HIGH SIDE	SHOULDER SLOPE	S.E. RATE LOW SIDE	SHOULDER SLOPE
≤ +2.0%	-6.0%	≤ 6.0%	6.0%
> +2%	(S.E. RATE) - (8%)	> 6.0%	MATCH S.E.

NOTES:
 1. COST OF ALL SAWCUTS IS INCLUDED IN LUMP SUM PRICE BID FOR GRADING COMPLETE.
 2. LOCATION OF CONSTRUCTION BASELINE VARIES WITH RESPECT TO EXISTING ROADWAY CROWN.

- (A) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY) (1.5')
- (B) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY) (2')
- (C) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LB/SY) (4')
- (D) - GR AGGR BASE CRS, INCL MATL, 12'
- (E) - ASPH CONC PATCHING, INCL BITUM MATL & TACK COAT (AS NEEDED)
- (F) - MILL ASPHALT CONC PVMT, VARIABLE DEPTH
- (G) - ASPH CONC LEVELING, INCL BITUM MATL & H LIME (AS NEEDED)
- (H) - PROP. CONC. MEDIAN (INTEGRAL WITH DOWELS), 6", TP 7
- (I) - PROP. CONC. MEDIAN (INTEGRAL WITHOUT DOWELS), 10" THK WITH 4" REVEAL, TP 9, COLORED AND STAMPED (SEE GDOT DETAIL RA-3 NOTE 7)
- (J) - EXISTING PAVEMENT - RETAIN
- (K) - SOD (TIF TUF)
- (L) - PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH
- (M) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2, INCL POLYMER, BITUM MATL & H LIME (165 LB/SY) (1.5')
- (N) - EXISTING PAVEMENT - REMOVE



NOT TO SCALE

REVISION DATES		TYPICAL SECTIONS	
		FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD INTERSECTION IMPROVEMENT PROJECT	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	05-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

SUMMARY OF QUANTITIES

ROADWAY ITEMS	FOUND BK FILL MATL, TP II	GR AGGR BASE CRS, 12 IN, INCLUDE MATL	ASPH CONC PATCHING, INCL BITUM MATL & TACK COAT	ASPH CONC LEVELING, INCL BITUM MATL & H LIME	RECYC 1.5" ASP CON 12.5 MM SPRPAVE GP2, INCL BM & HL	RECYC 1.5" ASP CON 12.5 MM SPRPAVE GP2, INCL POLYMER - BM & HL	RECYCLED 2" ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED 4" ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TACK COAT	MILL ASPH CONC PVMT, VARIABLE DEPTH	DRIVEWAY CONCRETE, 4 IN THICKNESS	CONCRETE MEDIAN, COLORED STAMPED, 10 IN. (TP 9)	CONC MEDIAN, 6 IN, INCL DOWELS (TP 7)	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	GROUT PIPE	UNDERDRAIN PIPE, 6 IN	RIGHT OF WAY MARKER	RIGHT OF WAY, PROPERTY LINE IRON PIN	DOUBLE GATE, CHAIN LINK ZINC COAT - 10'X6'	ORANGE SAFETY FENCE
DWG. NO.	207-0203	310-5120	400-1801	400-1812	402-3910	402-3911	402-4012	402-4310	413-0750	432-5010	441-0014	441-0715	441-0748	446-1100	550-9005	573-2005	634-1200	634-1201	643-8010	643-3000
	CY	SY	TON	TON	SY	SY	SY	SY	GL	SY	SY	SY	SY	LF	CY	LF	EA	EA	EA	LF
13-0001	-	18	-	0	372	0	15	18	31	357	0	0	0	46	0	-	1	0	0	0
13-0002	-	774	-	63	2284	448	1119	774	309	1996	110	102	173	847	4.1	-	9	0	1	300
13-0003	-	61	-	6	570	0	56	61	51	513	0	0	0	98	0	-	2	1	0	0
13-0004	-	13	-	0	388	0	10	13	32	377	0	0	0	56	0.5	-	0	1	0	0
13-0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	0	866	0	69	3614	448	1200	866	423	3243	110	102	173	1047	4.6	0	12	2	1	300
AS DIRECTED BY ENGINEER	10	86	25	7	361	45	120	87	42	324	11	10	17	105	0.4	50	1	1	0	30
TOTAL	10	952	25	76	3975	493	1320	953	465	3567	121	112	190	1152	5	50	13	3	1	330

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY
150-1000	TRAFFIC CONTROL (PROJECT B2448)	LS

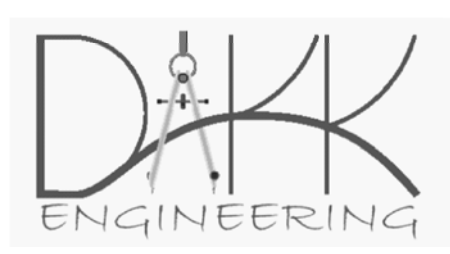
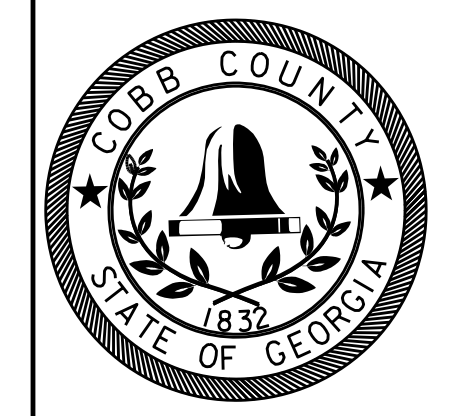
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY
156-0100	GPS DATA COLLECTION AND SUBMITTAL	LS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY
205-0100	CONSTRUCTION ALLOWANCE (PROJECT B2448)	LS

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY
210-0100	GRADING COMPLETE (PROJECT B2448)	LS

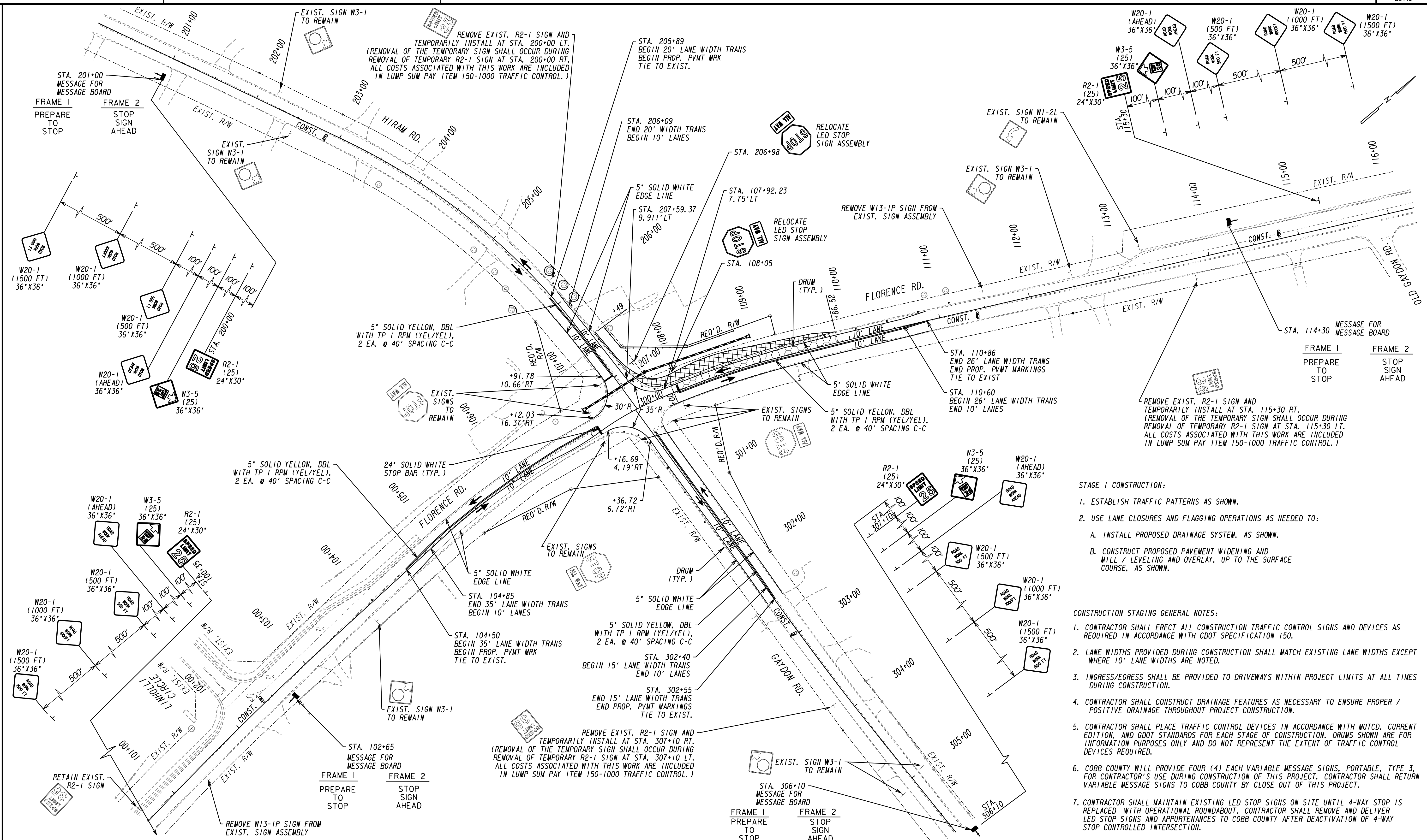
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY
999-3015	SPLOST SIGN INSTALLATION, HARDWARE, POSTS	4 EA

EROSION CONTROL ITEMS	TEMPORARY GRASSING	TEMPORARY MULCH	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN	CONSTRUCT AND REMOVE STONE FILTER RING	CONSTRUCT AND REMOVE INLET SEDIMENT TRAPS	MAINTENANCE OF TEMPORARY SILT FENCE - TYPE A	MAINTENANCE OF COMPOST FILTER SOCK (ALL SIZES)	MAINTENANCE OF TEMPORARY PIPE SLOPE DRAIN	MAINTENANCE OF CONSTRUCTION EXIT	MAINTENANCE OF INLET SEDIMENT TRAP	MAINT OF STONE FILTER RING	TEMPORARY SILT FENCE, TYPE A	STONE DUMPED RIP RAP, TP 3, 18 IN	PLASTIC FILTER FABRIC	PERMANENT GRASSING	AGRICULTURAL LIME	FERTILIZER MIXED GRADE	FERTILIZER NITROGEN CONTENT	SOD (TIF TUF)
DWG. NO.	163-0232	163-0235	163-0301	163-0520	163-0532	163-0542A	163-0550	165-0010	165-0072	165-0094	165-0101A	165-0105	165-0111	171-0010	603-2181	603-7000	700-6910	700-7000	700-8000	700-8100	700-9000
	AC	TON	EA	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	LF	SY	SY	AC	TON	TON	LB	SY
54-0001	-	-	-	-	20	-	-	25	10	-	-	-	-	50	-	-	-	-	-	-	-
54-0002	-	-	-	-	250	3	-	523	125	-	-	-	3	1046	-	-	-	-	-	-	-
54-0003	-	-	-	-	20	1	-	60	10	-	-	-	1	120	-	-	-	-	-	-	-
54-0004	-	-	-	-	40	3	-	23	20	-	-	-	3	46	-	-	-	-	-	-	-
54-0005	0.1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.2	20	-
54-0006	0.3	15	-	-	180	1	1	-	90	-	-	1	1	-	-	-	-	0.6	0.4	60	-
54-0007	0.1	5	-	-	-	-	-	16	-	-	-	-	-	32	12	12	-	0.2	0.2	20	-
54-0008	0.1	5	-	-	20	1	-	-	10	-	-	-	1	-	5	5	-	0.2	0.2	20	-
54-0009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	3	71
54-0010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.4	66	1577
54-0011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	4	89
54-0012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	8	187
SUB TOTAL	0.6	25	0	0	530	9	1	647	265	0	0	1	9	1294	17	17	0	2.2	1.7	201	1924
AS DIRECTED BY ENGINEER	0.4	3	4	50	53	1	0	65	27	50	4	0	1	129	2	2	1	0.8	0.3	20	192
TOTAL	1	28	4	50	583	10	1	712	292	50	4	1	10	1423	19	19	1	3	2	221	2116



REVISION DATES

SUMMARY OF QUANTITIES	
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD INTERSECTION IMPROVEMENT PROJECT	
CHECKED: _____	DATE: _____
BACKCHECKED: _____	DATE: _____
CORRECTED: _____	DATE: _____
VERIFIED: _____	DATE: _____
DRAWING No. 06-0001	

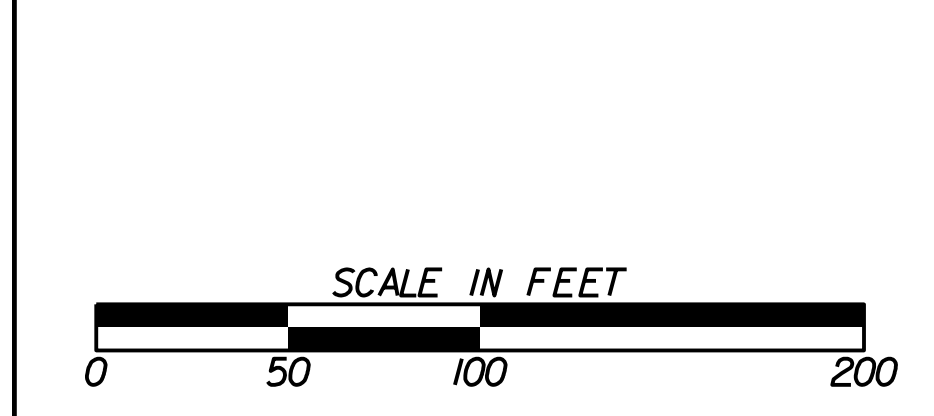
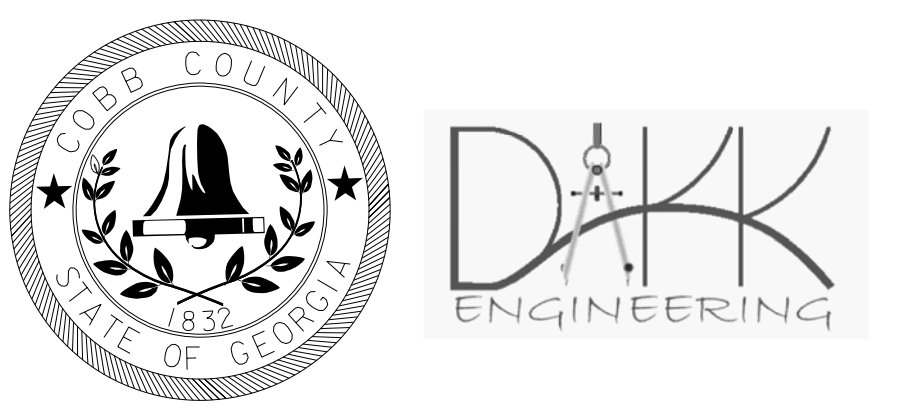


- STAGE I CONSTRUCTION:
1. ESTABLISH TRAFFIC PATTERNS AS SHOWN.
 2. USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO:
 - A. INSTALL PROPOSED DRAINAGE SYSTEM, AS SHOWN.
 - B. CONSTRUCT PROPOSED PAVEMENT WIDENING AND MILL / LEVELING AND OVERLAY, UP TO THE SURFACE COURSE, AS SHOWN.

- CONSTRUCTION STAGING GENERAL NOTES:
1. CONTRACTOR SHALL ERECT ALL CONSTRUCTION TRAFFIC CONTROL SIGNS AND DEVICES AS REQUIRED IN ACCORDANCE WITH GDOT SPECIFICATION 150.
 2. LANE WIDTHS PROVIDED DURING CONSTRUCTION SHALL MATCH EXISTING LANE WIDTHS EXCEPT WHERE 10' LANE WIDTHS ARE NOTED.
 3. INGRESS/EGRESS SHALL BE PROVIDED TO DRIVEWAYS WITHIN PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION.
 4. CONTRACTOR SHALL CONSTRUCT DRAINAGE FEATURES AS NECESSARY TO ENSURE PROPER / POSITIVE DRAINAGE THROUGHOUT PROJECT CONSTRUCTION.
 5. CONTRACTOR SHALL PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH MUTCD, CURRENT EDITION, AND GDOT STANDARDS FOR EACH STAGE OF CONSTRUCTION. DRUMS SHOWN ARE FOR INFORMATION PURPOSES ONLY AND DO NOT REPRESENT THE EXTENT OF TRAFFIC CONTROL DEVICES REQUIRED.
 6. COBB COUNTY WILL PROVIDE FOUR (4) EACH VARIABLE MESSAGE SIGNS, PORTABLE, TYPE 3, FOR CONTRACTOR'S USE DURING CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL RETURN VARIABLE MESSAGE SIGNS TO COBB COUNTY BY CLOSE OUT OF THIS PROJECT.
 7. CONTRACTOR SHALL MAINTAIN EXISTING LED STOP SIGNS ON SITE UNTIL 4-WAY STOP IS REPLACED WITH OPERATIONAL ROUNDABOUT. CONTRACTOR SHALL REMOVE AND DELIVER LED STOP SIGNS AND APPURTENANCES TO COBB COUNTY AFTER DEACTIVATION OF 4-WAY STOP CONTROLLED INTERSECTION.

ORANGE BARRIER FENCE
EXISTING R/W LINE
REQUIRED R/W LINE

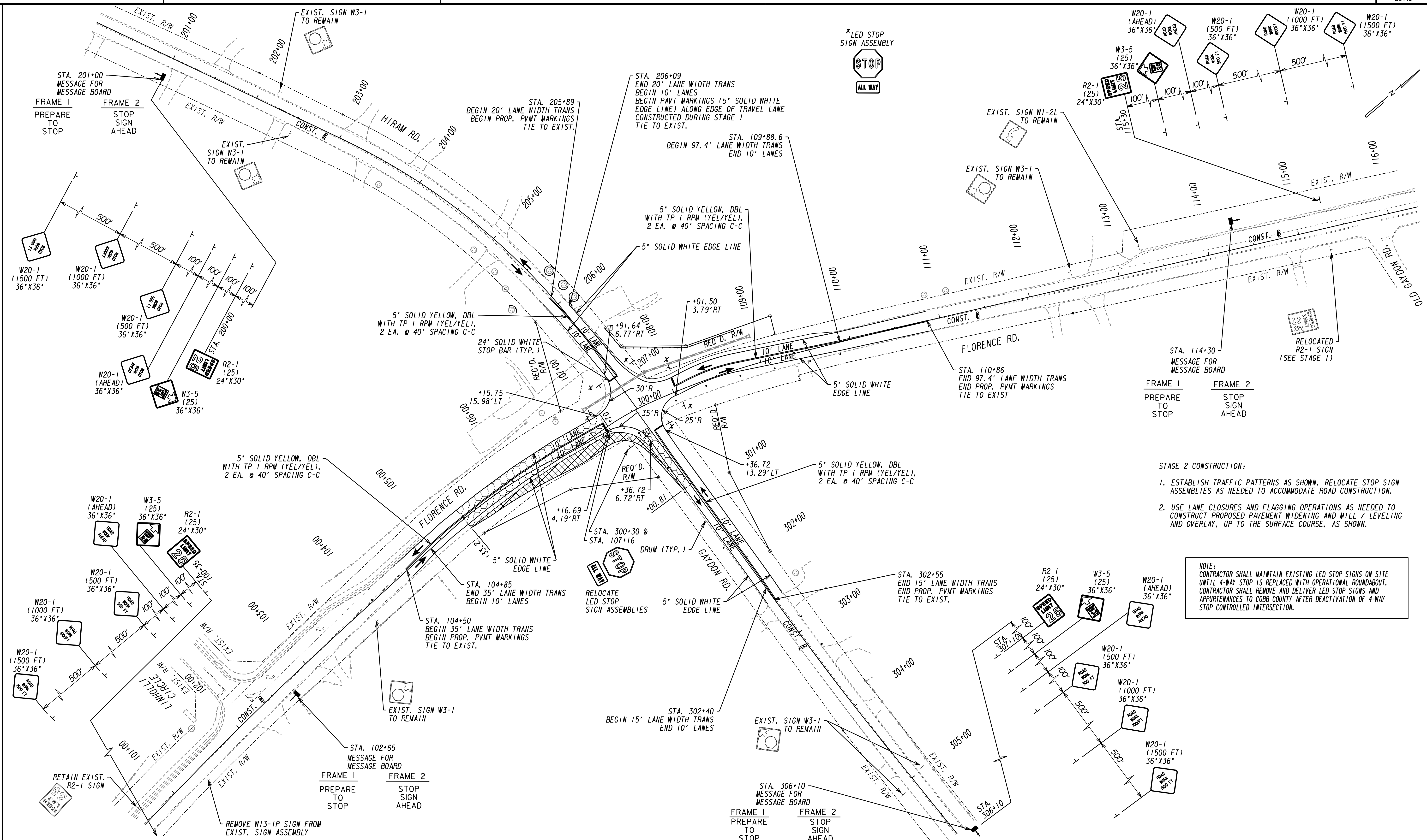
OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
MILL / OVERLAY / LEVELING CONSTRUCTION
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT



REVISION DATES	

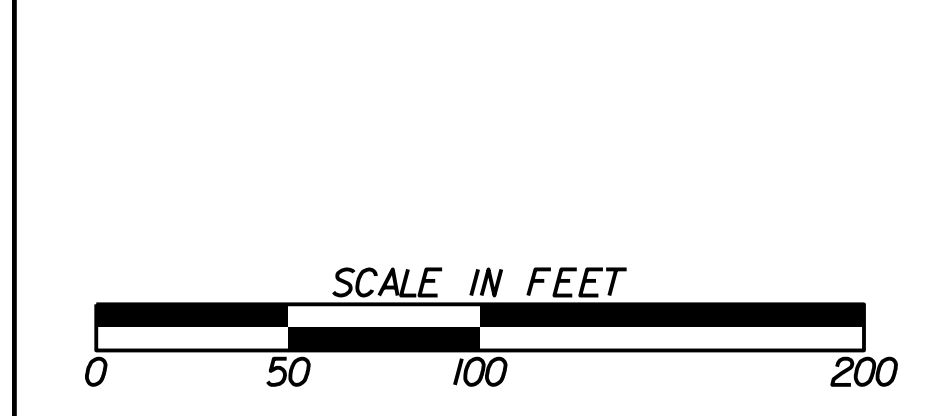
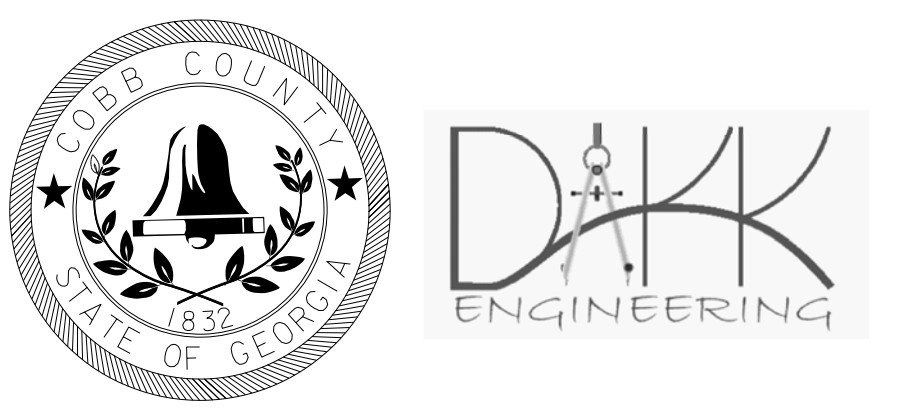
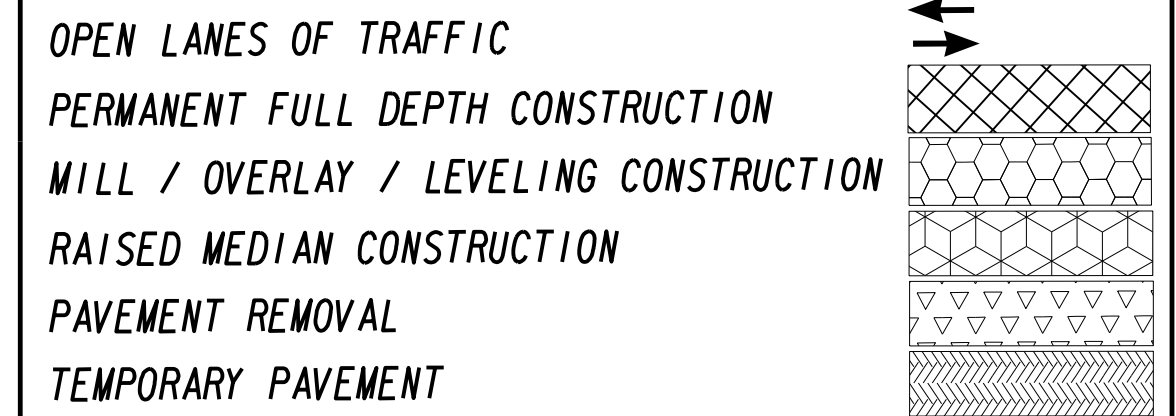
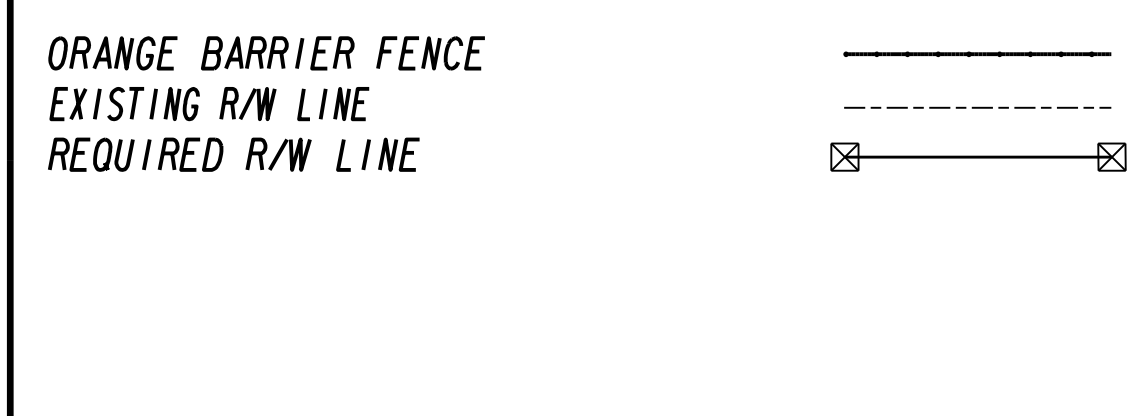
STAGING PLAN
STAGE I
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



- STAGE 2 CONSTRUCTION:
1. ESTABLISH TRAFFIC PATTERNS AS SHOWN. RELOCATE STOP SIGN ASSEMBLIES AS NEEDED TO ACCOMMODATE ROAD CONSTRUCTION.
 2. USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO CONSTRUCT PROPOSED PAVEMENT WIDENING AND MILL / LEVELING AND OVERLAY, UP TO THE SURFACE COURSE, AS SHOWN.

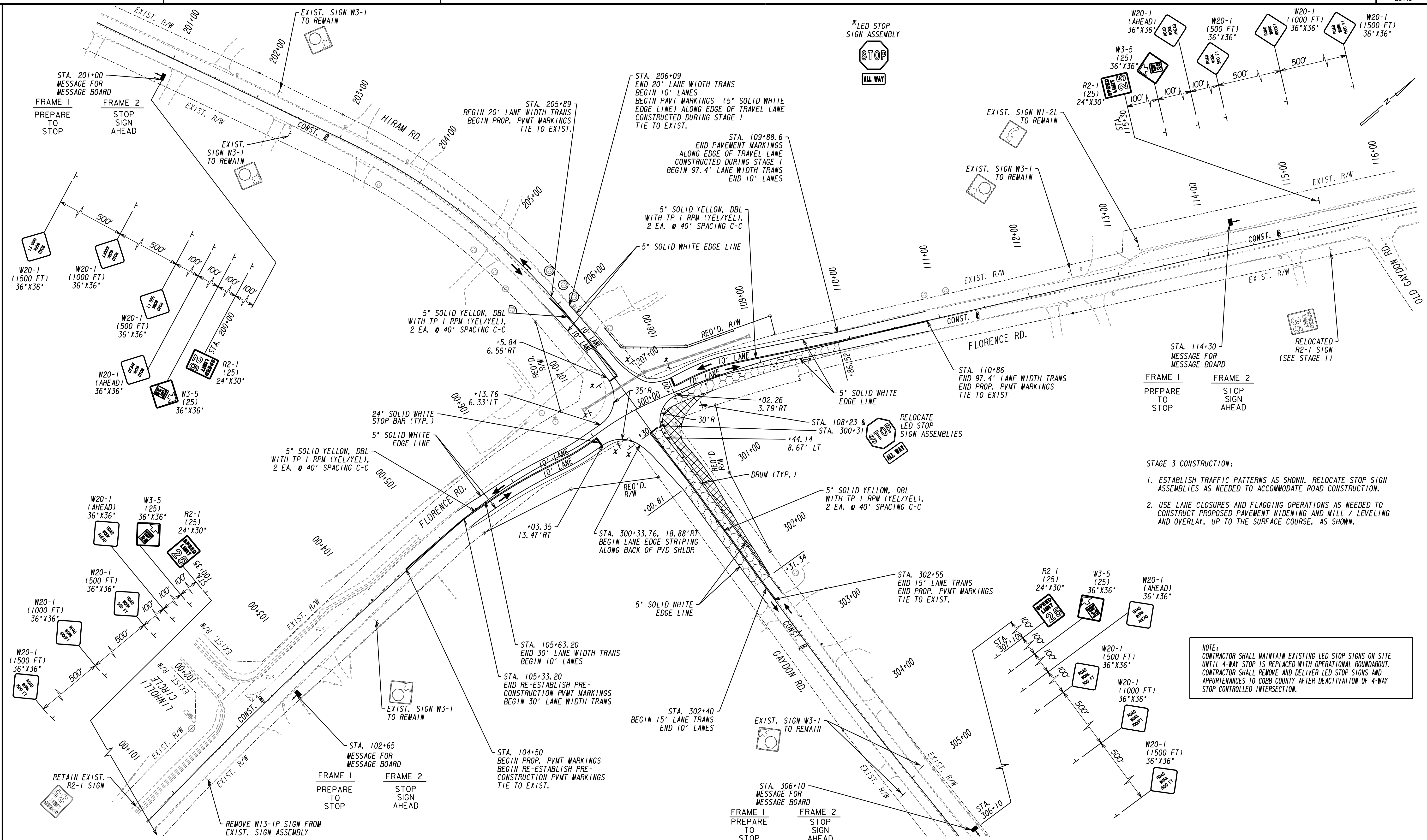
NOTE:
CONTRACTOR SHALL MAINTAIN EXISTING LED STOP SIGNS ON SITE UNTIL 4-WAY STOP IS REPLACED WITH OPERATIONAL ROUNDABOUT. CONTRACTOR SHALL REMOVE AND DELIVER LED STOP SIGNS AND APPURTENANCES TO COBB COUNTY AFTER DEACTIVATION OF 4-WAY STOP CONTROLLED INTERSECTION.



REVISION DATES	

STAGING PLAN
STAGE 2
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

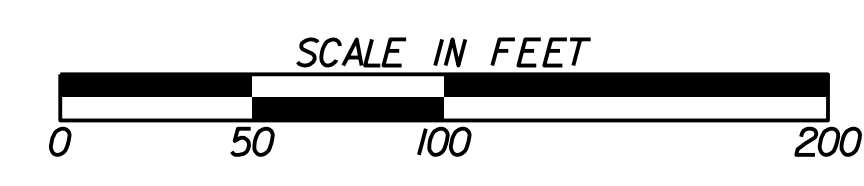
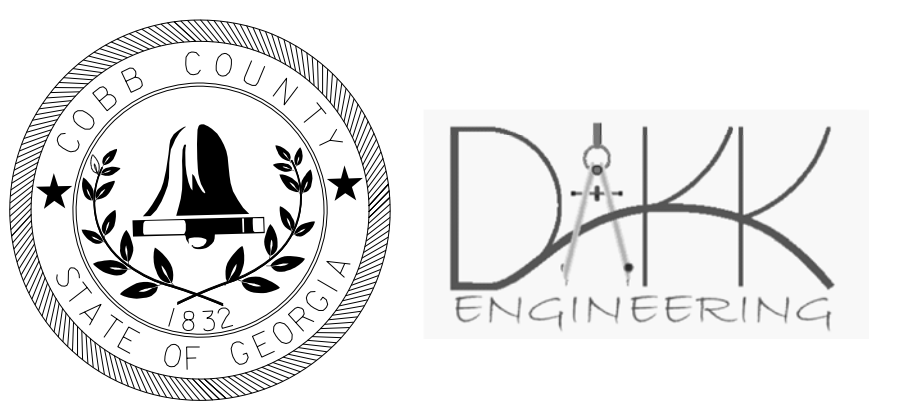


- STAGE 3 CONSTRUCTION:
1. ESTABLISH TRAFFIC PATTERNS AS SHOWN. RELOCATE STOP SIGN ASSEMBLIES AS NEEDED TO ACCOMMODATE ROAD CONSTRUCTION.
 2. USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO CONSTRUCT PROPOSED PAVEMENT WIDENING AND MILL / LEVELING AND OVERLAY, UP TO THE SURFACE COURSE, AS SHOWN.

NOTE:
CONTRACTOR SHALL MAINTAIN EXISTING LED STOP SIGNS ON SITE UNTIL 4-WAY STOP IS REPLACED WITH OPERATIONAL ROUNDABOUT. CONTRACTOR SHALL REMOVE AND DELIVER LED STOP SIGNS AND APPURTENANCES TO COBB COUNTY AFTER DEACTIVATION OF 4-WAY STOP CONTROLLED INTERSECTION.

ORANGE BARRIER FENCE
EXISTING R/W LINE
REQUIRED R/W LINE

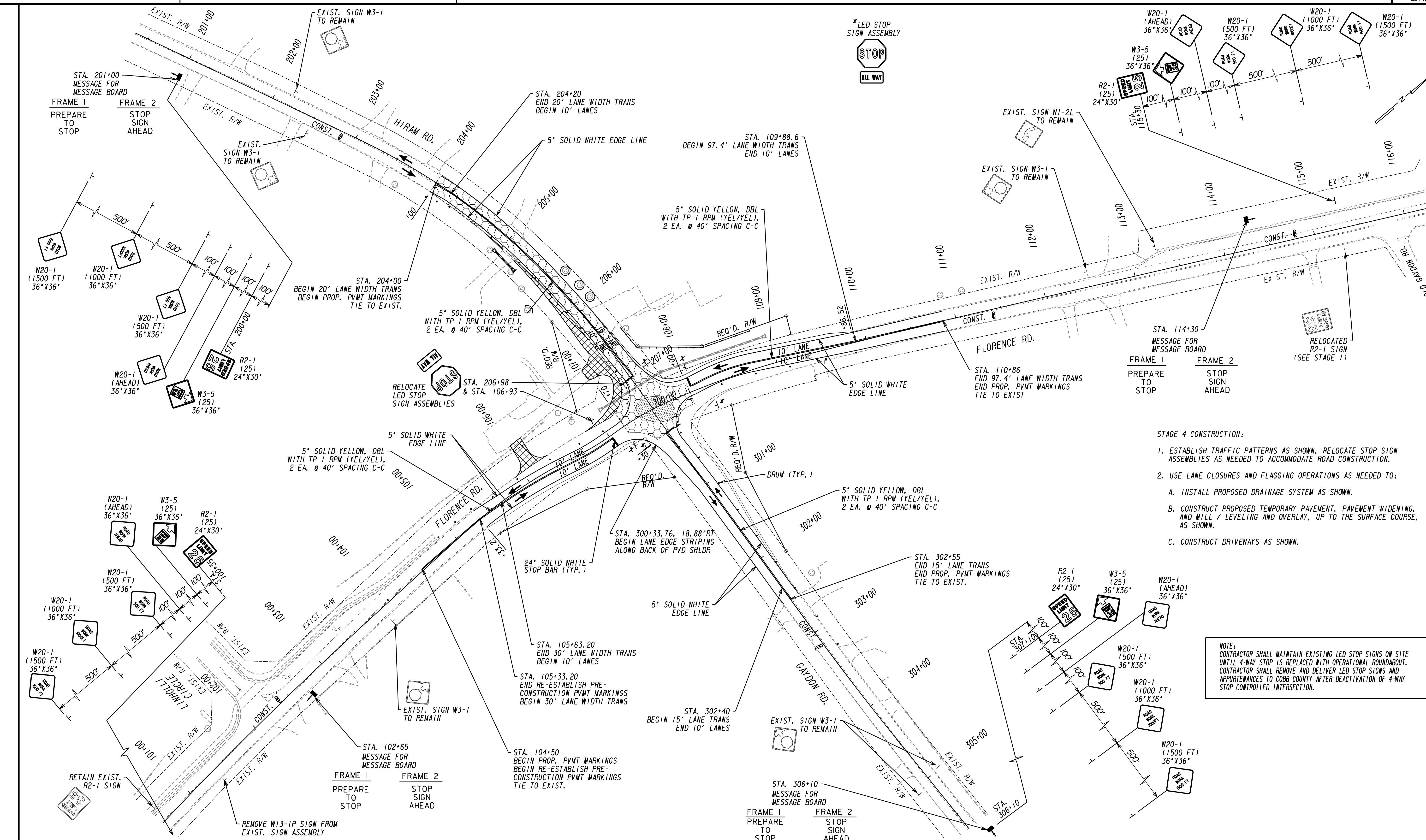
OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
MILL / OVERLAY / LEVELING CONSTRUCTION
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT



REVISION DATES	

STAGING PLAN
STAGE 3
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

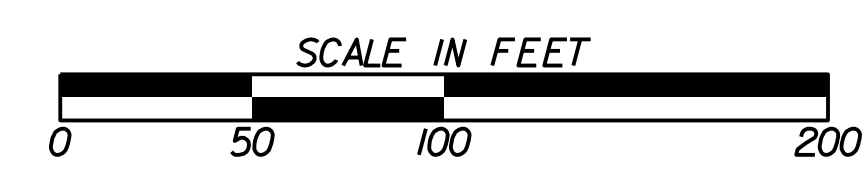
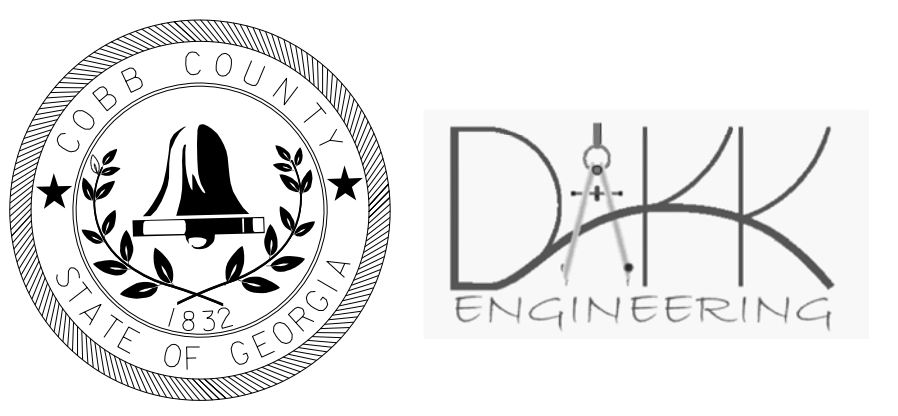


- STAGE 4 CONSTRUCTION:**
1. ESTABLISH TRAFFIC PATTERNS AS SHOWN. RELOCATE STOP SIGN ASSEMBLIES AS NEEDED TO ACCOMMODATE ROAD CONSTRUCTION.
 2. USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO:
 - A. INSTALL PROPOSED DRAINAGE SYSTEM AS SHOWN.
 - B. CONSTRUCT PROPOSED TEMPORARY PAVEMENT, PAVEMENT WIDENING, AND MILL / LEVELING AND OVERLAY, UP TO THE SURFACE COURSE, AS SHOWN.
 - C. CONSTRUCT DRIVEWAYS AS SHOWN.

NOTE: CONTRACTOR SHALL MAINTAIN EXISTING LED STOP SIGNS ON SITE UNTIL 4-WAY STOP IS REPLACED WITH OPERATIONAL ROUNDABOUT. CONTRACTOR SHALL REMOVE AND DELIVER LED STOP SIGNS AND APPURTENANCES TO COBB COUNTY AFTER DEACTIVATION OF 4-WAY STOP CONTROLLED INTERSECTION.

ORANGE BARRIER FENCE
EXISTING R/W LINE
REQUIRED R/W LINE

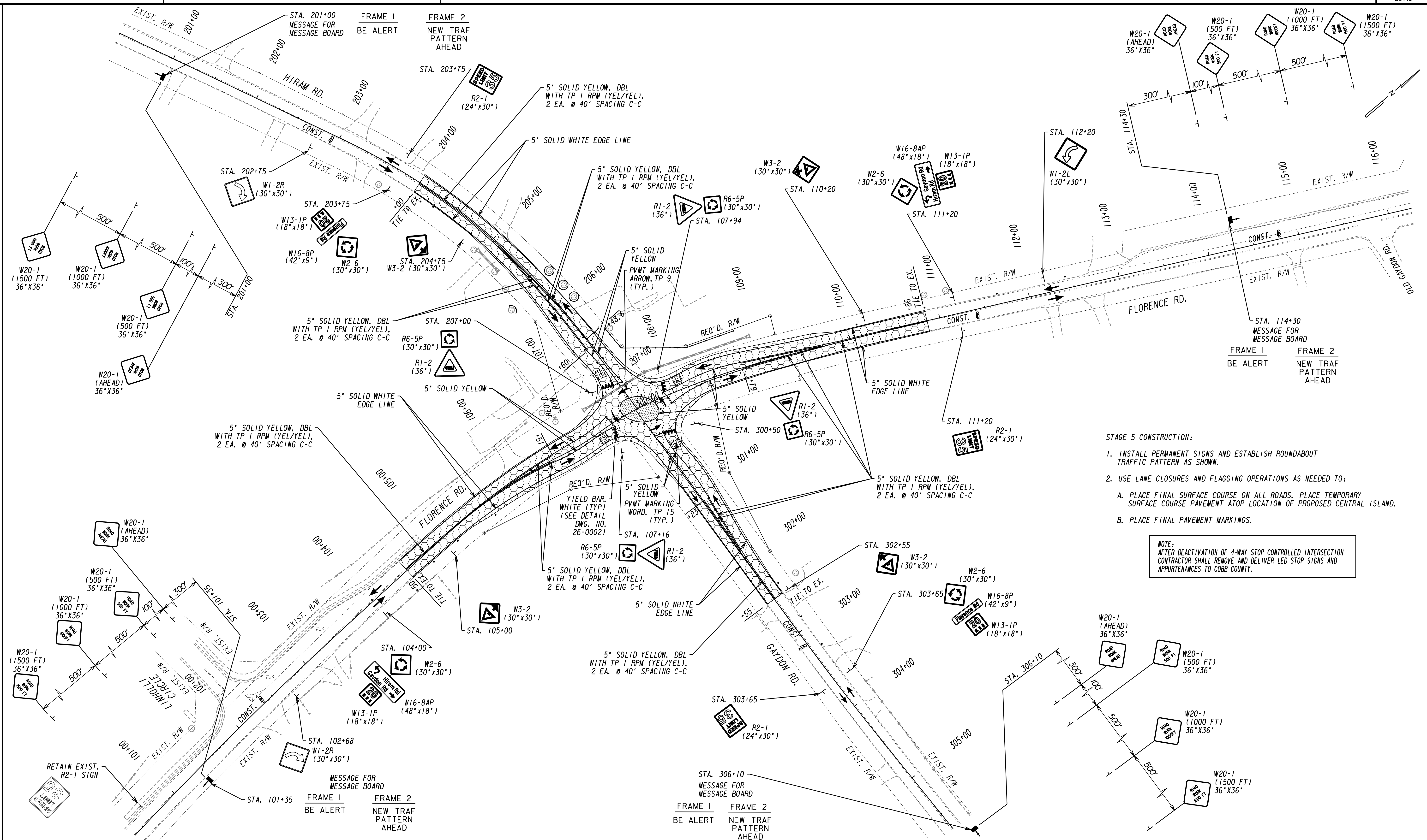
OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
MILL / OVERLAY / LEVELING CONSTRUCTION
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT



REVISION DATES	

STAGING PLAN
STAGE 4
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

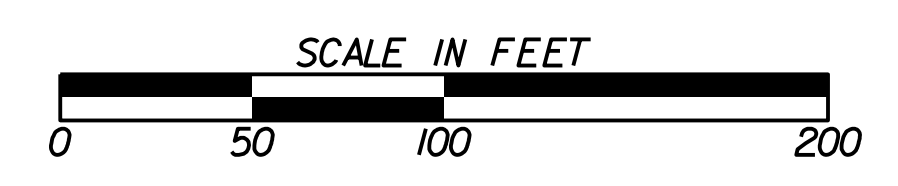
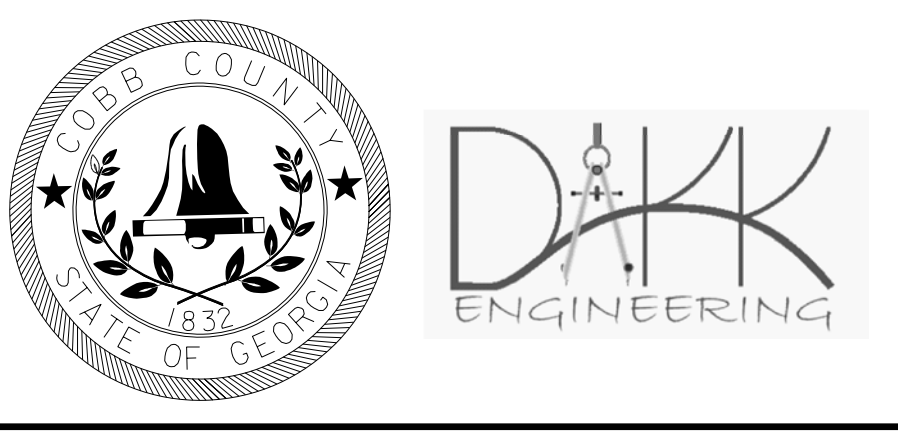


- STAGE 5 CONSTRUCTION:**
- INSTALL PERMANENT SIGNS AND ESTABLISH ROUNDABOUT TRAFFIC PATTERN AS SHOWN.
 - USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO:
 - PLACE FINAL SURFACE COURSE ON ALL ROADS. PLACE TEMPORARY SURFACE COURSE PAVEMENT ATOP LOCATION OF PROPOSED CENTRAL ISLAND.
 - PLACE FINAL PAVEMENT MARKINGS.

NOTE: AFTER DEACTIVATION OF 4-WAY STOP CONTROLLED INTERSECTION CONTRACTOR SHALL REMOVE AND DELIVER LED STOP SIGNS AND APPURTENANCES TO COBB COUNTY.

ORANGE BARRIER FENCE
EXISTING R/W LINE
REQUIRED R/W LINE

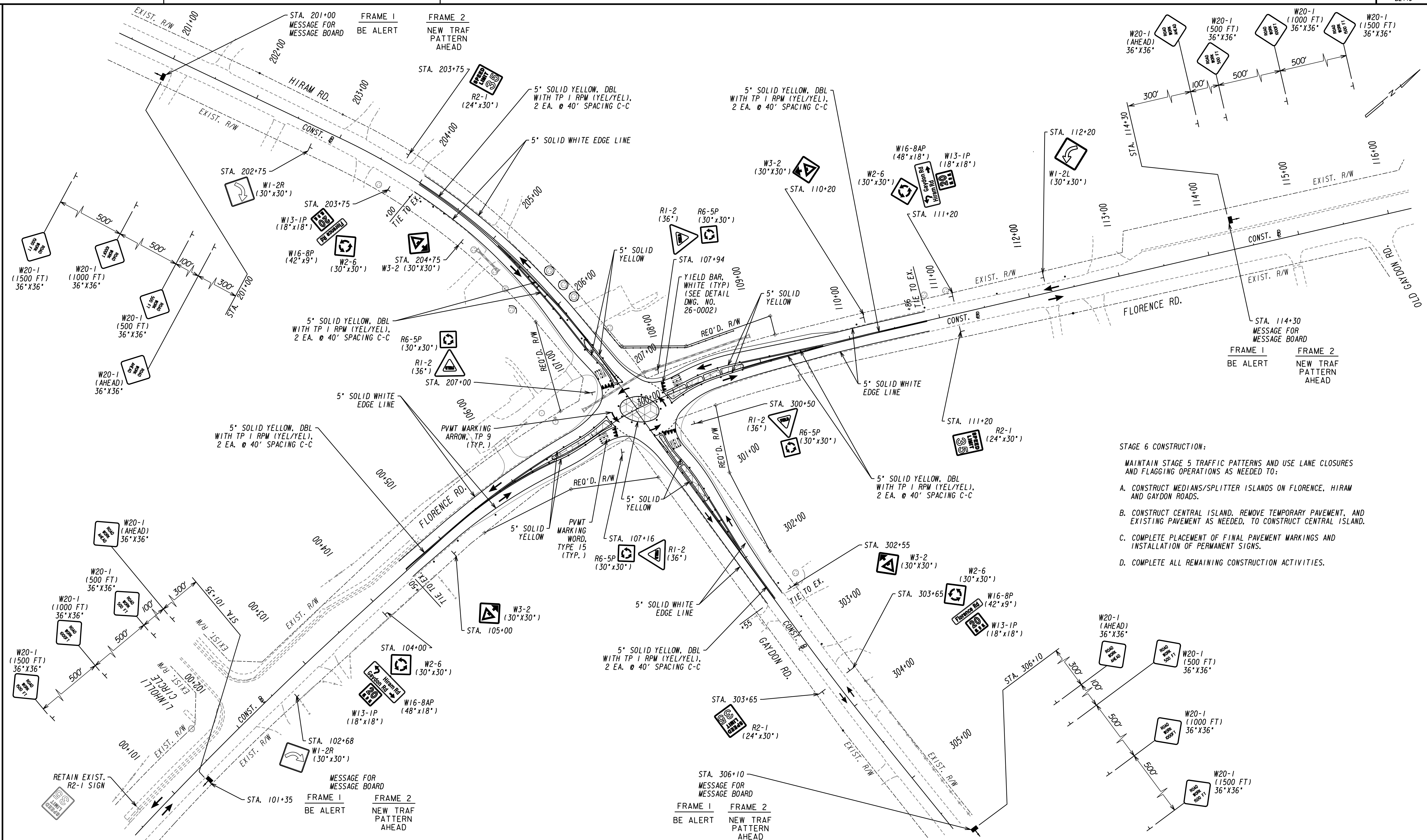
OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
MILL / OVERLAY / LEVELING CONSTRUCTION
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT



REVISION DATES	

**STAGING PLAN
STAGE 5
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT**

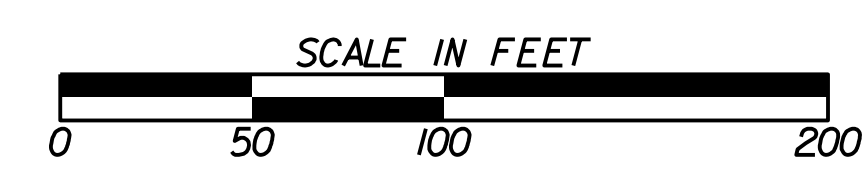
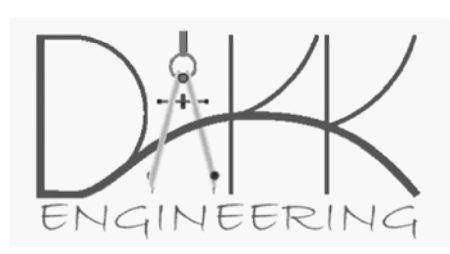
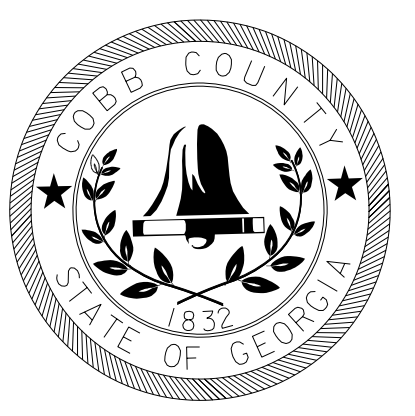
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BACKCHECKED:	DATE:	19-0005
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VERIFIED:	DATE:	



- STAGE 6 CONSTRUCTION:
- MAINTAIN STAGE 5 TRAFFIC PATTERNS AND USE LANE CLOSURES AND FLAGGING OPERATIONS AS NEEDED TO:
 - A. CONSTRUCT MEDIANS/SPLITTER ISLANDS ON FLORENCE, HIRAM AND GAYDON ROADS.
 - B. CONSTRUCT CENTRAL ISLAND, REMOVE TEMPORARY PAVEMENT, AND EXISTING PAVEMENT AS NEEDED, TO CONSTRUCT CENTRAL ISLAND.
 - C. COMPLETE PLACEMENT OF FINAL PAVEMENT MARKINGS AND INSTALLATION OF PERMANENT SIGNS.
 - D. COMPLETE ALL REMAINING CONSTRUCTION ACTIVITIES.

ORANGE BARRIER FENCE
EXISTING R/W LINE
REQUIRED R/W LINE

OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
MILL / OVERLAY / LEVELING CONSTRUCTION
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT



REVISION DATES	

STAGING PLAN
STAGE 6
FLORENCE ROAD AT HIRAM ROAD AND GAYDON ROAD
INTERSECTION IMPROVEMENT PROJECT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	