

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0010416 **OFFICE** Design Policy & Support
Stephens County
GDOT District 1 - Gainesville **DATE** 5/22/2015
Bridge Replacement - SR184 @ Toccoa Creek 3.5
Miles N of Toccoa

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Paul Tanner, State Transportation Data Administrator
Attn: Systems & Classification Branch
Andy Casey, State Roadway Design Engineer
Attn: Justin Lott, District Design Engineer
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Tony Voyles, Area Engineer - D1, A3
Anthony Tate, Project Manager
BOARD MEMBER - 9th Congressional District

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: 
GDOT Director of Engineering

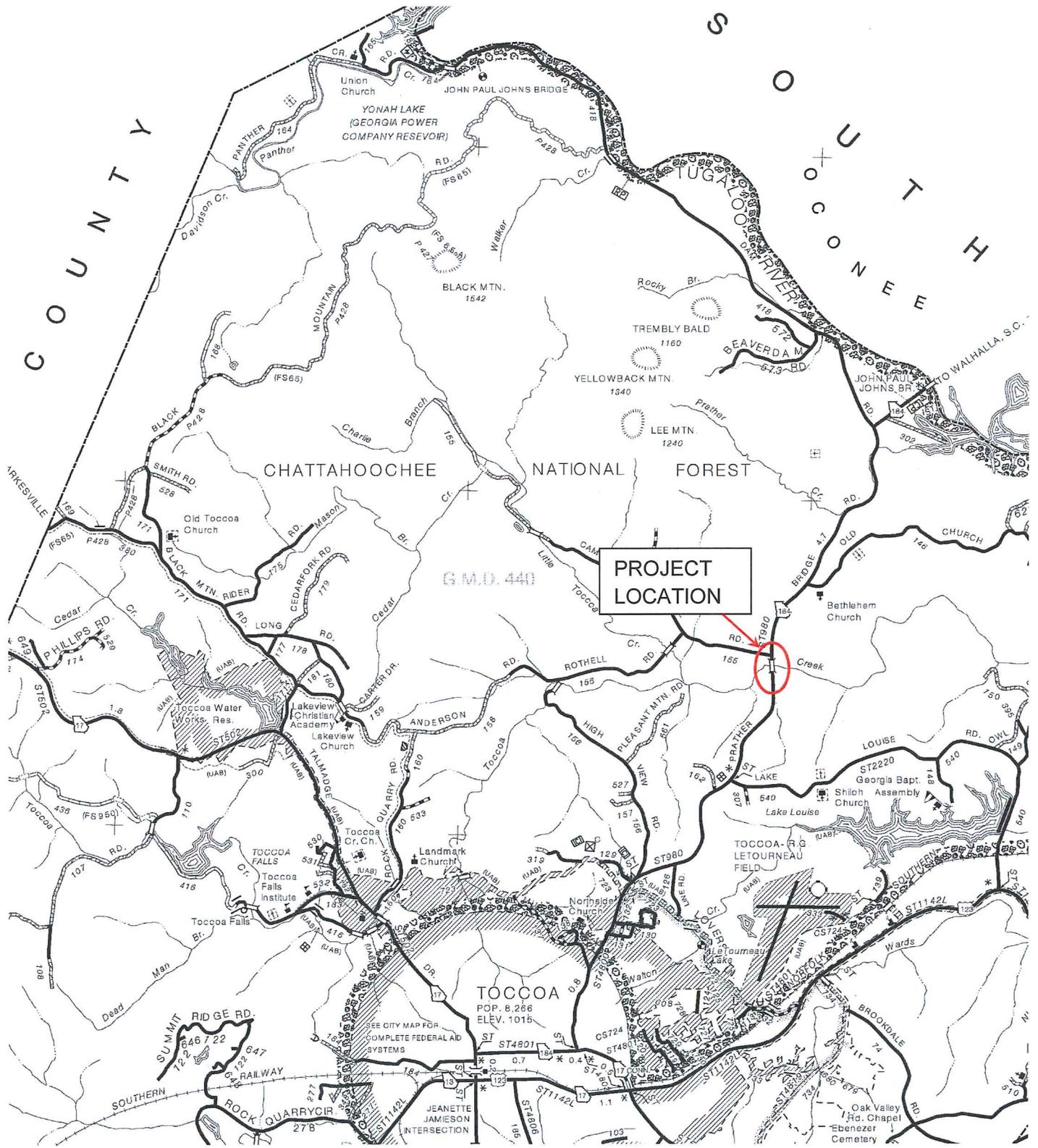
Approve:  5.18.15
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: May 22, 2015
(To be entered by State Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Construction Cost Estimate
- Certification for Advancement to ROW Authorization
- Notice of Location and Design Approval

PROJECT LOCATION



DETAILED COST ESTIMATE



Job: 0010416

JOB NUMBER 0010416

FED/STATE PROJECT NUMBER 0010416

SPEC YEAR: 13

DESCRIPTION: SR 184 @ TOCCOA CREEK 3.5 MI NE OF TOCCOA

ITEMS FOR JOB 0010416

0010 - ROADWAY

Line Numb	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0025	150-1000	1.000	LS	\$140,000.00	TRAFFIC CONTROL - 0010416	\$140,000.00
0030	210-0100	1.000	LS	\$260,000.00	GRADING COMPLETE - 0010416	\$260,000.00
0035	310-1101	1760.000	TN	\$24.21	GR AGGR BASE CRS, INCL MATL	\$42,604.69
0349	402-1802	20.000	TN	\$206.29	RECYL AC PATCHING, INCL BM&HL	\$4,125.78
0344	402-1812	50.000	TN	\$104.73	RECYL AC LEVELING, INC BM&HL	\$5,236.31
0214	402-3103	175.000	TN	\$66.66	REC AC 9.5 MM SP, TPII, GP2, INCL BM & H L	\$11,665.50
0015	402-3121	975.000	TN	\$78.43	RECYL AC 25MM SP, GP1/2, BM&HL	\$76,466.91
0010	402-3190	280.000	TN	\$95.78	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$26,817.66
0040	413-1000	110.000	GL	\$6.70	BITUM TACK COAT	\$737.33
0174	433-1000	240.000	SY	\$157.18	REINF CONC APPROACH SLAB	\$37,722.93
0269	441-0303	5.000	EA	\$1,616.57	CONC SPILLWAY, TP 3	\$8,082.86
0254	500-3201	115.000	CY	\$520.93	CL B CONC, RET WALL	\$59,906.56
0119	603-2181	15.000	SY	\$40.05	STN DUMPED RIP RAP, TP 3, 18	\$600.80
0124	603-7000	15.000	SY	\$4.14	PLASTIC FILTER FABRIC	\$62.06
0244	621-4021	25.000	LF	\$375.00	CONCRETE SIDE BARRIER, TY 2A	\$9,375.00
0249	621-4022	72.000	LF	\$493.14	CONCRETE SIDE BARRIER, TY 2B	\$35,506.30
0239	621-4061	405.000	LF	\$317.74	CONCRETE SIDE BARRIER, TY 6A	\$128,684.70
0264	621-4062	17.000	LF	\$475.00	CONCRETE SIDE BARRIER, TY 6B	\$8,075.00
0209	641-1100	67.000	LF	\$72.74	GUARDRAIL, TP T	\$4,873.62
0179	641-1200	359.000	LF	\$20.10	GUARDRAIL, TP W	\$7,214.78
0184	641-5012	4.000	EA	\$1,872.80	GUARDRAIL ANCHORAGE, TP 12	\$7,491.22
0144	643-8200	1500.000	LF	\$1.26	BARRIER FENCE (ORANGE), 4 FT	\$1,890.66
SUBTOTAL FOR ROADWAY:						\$877,140.67

DETAILED COST ESTIMATE



Job: 0010416

0020 - EROSION CONTROL

Line Numb	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0085	163-0232	1.000	AC	\$450.41	TEMPORARY GRASSING	\$450.41
0080	163-0240	400.000	TN	\$184.03	MULCH	\$73,610.77
0154	163-0300	2.000	EA	\$1,273.50	CONSTRUCTION EXIT	\$2,546.99
0274	163-0520	225.000	LF	\$15.26	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$3,433.92
0139	163-0527	6.000	EA	\$364.04	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$2,184.27
0279	163-0529	200.000	LF	\$4.28	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$856.18
0284	163-0541	2.000	EA	\$554.61	CONSTR & REM ROCK FILTER DAMS	\$1,109.22
0289	163-0542	6.000	EA	\$398.59	CONSTR & REM STONE FILTER RING	\$2,391.52
0159	163-0543	100.000	LF	\$30.23	CONSTR & REM STONE FILTER BERM	\$3,023.37
0299	163-0550	1.000	EA	\$133.70	CONS & REM INLET SEDIMENT TRAP	\$133.70
0095	165-0030	1002.000	LF	\$0.81	MAINT OF TEMP SILT FENCE, TP C	\$808.13
0229	165-0041	90.000	LF	\$1.39	MAINT OF CHECK DAMS - ALL TYPES	\$125.10
0304	165-0050	96.000	LF	\$2.62	MAINT OF SILT RETENTION BARRIER	\$251.35
0309	165-0071	200.000	LF	\$1.57	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$313.21
0219	165-0101	2.000	EA	\$560.53	MAINT OF CONST EXIT	\$1,121.05
0314	165-0105	1.000	EA	\$55.29	MAINT OF INLET SEDIMENT TRAP	\$55.29
0319	165-0110	2.000	EA	\$100.98	MAINT OF ROCK FILTER DAM	\$201.96
0324	165-0111	12.000	EA	\$140.72	MAINT OF STONE FILTER RING	\$1,688.60
0224	165-0112	200.000	LF	\$70.00	MAINT OF STONE FILTER BERM	\$14,000.00
0164	167-1000	2.000	EA	\$213.80	WATER QUALITY MONITORING AND SAMPLING	\$427.60
0169	167-1500	12.000	MO	\$513.48	WATER QUALITY INSPECTIONS	\$6,161.75
0329	170-1000	195.000	LF	\$14.19	FLOAT SILT RETENTION BARRIER	\$2,767.90
0090	171-0030	2004.000	LF	\$2.91	TEMPORARY SILT FENCE, TYPE C	\$5,829.82
0294	576-1010	400.000	LF	\$26.41	SLOPE DRAIN PIPE, 10 IN	\$10,563.68
0060	700-6910	2.000	AC	\$1,155.19	PERMANENT GRASSING	\$2,310.37
0065	700-7000	3.000	TN	\$142.59	AGRICULTURAL LIME	\$427.77
0070	700-8000	1.000	TN	\$554.80	FERTILIZER MIXED GRADE	\$554.80
0075	700-8100	50.000	LB	\$3.40	FERTILIZER NITROGEN CONTENT	\$169.85
0194	716-2000	1034.000	SY	\$1.16	EROSION CONTROL MATS, SLOPES	\$1,200.32
SUBTOTAL FOR EROSION CONTROL:						\$138,718.90

0030 - SIGNS AND MARKING

Line Numb	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0134	636-1020	72.000	SF	\$15.32	HWY SGN,TP1MAT,REFL SH TP3	\$1,102.78
0334	636-1033	9.000	SF	\$23.97	HWY SIGNS, TP1MAT,REFL SH TP 9	\$215.71
0339	636-1041	9.000	SF	\$35.11	HWY SIGNS, TP 2MAT,REFL SH TP 9	\$315.99
0129	636-2070	96.000	LF	\$10.14	GALV STEEL POSTS, TP 7	\$973.85
0100	653-1501	1320.000	LF	\$0.87	THERMO SOLID TRAF ST 5 IN, WHI	\$1,144.28
0105	653-1502	1220.000	LF	\$0.73	THERMO SOLID TRAF ST, 5 IN YEL	\$885.24
0110	653-1704	16.000	LF	\$6.31	THERM SOLID TRAF STRIPE,24,WH	\$100.94
0149	654-1001	42.000	EA	\$5.35	RAISED PVMT MARKERS TP 1	\$224.81
0113	657-1085	450.000	LF	\$6.49	PRF PL SD PVT MKG,8,B/W,TP PB	\$2,919.62
0114	657-6085	450.000	LF	\$6.65	PRF PL SD PVMT MKG,8,B/Y,TPPB	\$2,992.34
SUBTOTAL FOR SIGNS AND MARKING:						\$10,875.56

0040 - BRIDGE

Line Numb	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0234	540-1101	1.000	LS	\$64,762.50	REM OF EX BR, STA NO - 0010416	\$64,762.50
0020	543-9000	1.000	LS	\$647,625.00	CONSTR OF BRIDGE COMPLETE - 0010416	\$647,625.00
SUBTOTAL FOR BRIDGE:						\$712,387.50

TOTALS FOR JOB 0010416

ITEMS COST:	\$1,739,122.63
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,739,122.63
CONTINGENCY PERCENT:	0.07
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,947,817.35

PROJ. NO.
P.I. NO.
DATE

0010416
1/28/2015

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jan-15	\$ 2.186
DIESEL		\$ 3.045
LIQUID AC		\$ 556.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)				23602.2	\$	23,602.20
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	889.60		
Monthly Asphalt Cement Price month project let (APL)			\$	556.00		
Total Monthly Tonnage of asphalt cement (TMT)				70.75		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	175	5.0%	8.75
25 mm SP	975	5.0%	48.75
19 mm SP	265	5.0%	13.25
	1415		70.75

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	157.61	\$	157.61
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	889.60			
Monthly Asphalt Cement Price month project let (APL)			\$	556.00			
Total Monthly Tonnage of asphalt cement (TMT)				0.472461101			

Bitum Tack

Gals	gals/ton	tons
110	232.8234	0.4724611

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				\$	0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	889.60			
Monthly Asphalt Cement Price month project let (APL)			\$	556.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT **\$ 23,759.81**

GDOT Office of Environmental Services | Certification for ROW Authorization

PI#(s): 0010416, County: Stephens

Baseline Finish Date for ROW Authorization: 4/7/2015

From: Hiral Patel, P.E. State Environmental Administrator
To: Lisa Myers, State Project Review Engineer (via email)
Date: April 15, 2015
Subject: Certification for advancement to ROW authorization

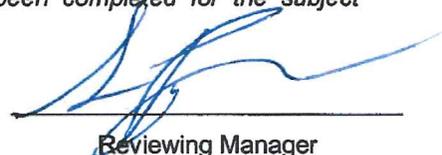
Certification for ROW Authorization Checklist		
Is an approved environmental document, environmental clearance, or reevaluation on file? If the latest document will be older than 6 months (but less than 12 months) on <u>the date of ROW authorization</u> AND there have been <u>no changes</u> to the project, use the <i>No Change Reevaluation Certification for Advancement to ROW Authorization</i> option. Please Note: If you use this option, the "Current Approval Date" becomes the date of this <i>No Change Reeval Cert</i> .		Yes
Document Type: CE	Original Approval Date: 3/31/2015	Current Approval Date: 3/31/2015 <small>(today's date for <i>No Change Reeval Certs</i>)</small>
The NEPA analyst has verified that no changes occurred since the last approval that would require a reevaluation prior to ROW authorization.		Yes
The NEPA analyst has verified that the design shown in the plans submitted for ROW authorization (dated: 4/15/2015) match what was evaluated in the last NEPA approval		Yes
The NEPA analyst (along with the project specialists) has verified that all pre-construction commitments that need to be completed prior to ROW authorization are complete (i.e. photo recordation for historic resources, landscape plans developed, cemetery permit or other?) (If no, please see below.)		Yes
If the question above cannot be marked as yes, is it still appropriate to advance to ROW Authorization? Please explain why it is still appropriate to advance to ROW authorization: N/A		NA

Compliance with applicable environmental requirements has been completed for the subject project to advance to ROW Authorization.

CERTIFIED BY:


 Theresa J. Piazza

REVIEWED BY:


 Reviewing Manager

cc: Via email: Kathe Ahmed, GDOT Project Manager;
 Hardcopy: General Files
 Add a PDF to the NEPA folder of the project's Project Documents file
 Add a PDF to the ROW Certifications folder by year

Please ensure the following items (as applicable) are included in this certification:

1. *Environmental Commitments Table (include available special provisions)* **Yes**

NOTICE OF LOCATION AND DESIGN APPROVAL

STEPHENS COUNTY

P. I. 0010416

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: **May 22, 2015**

The proposed project is located entirely in Stephens County approximately 3.5 miles northeast of the City of Toccoa. The project is located in the Georgia Militia District, G.M.D., 440.

The project proposes to replace the existing bridge along SR 184/Prather Bridge Rd over Toccoa Creek. The proposed project length is approximately 0.2 miles long, and the proposed bridge will have two 12 foot lanes, 165 feet long bridge, and a deck width of 26 feet wide. An offsite detour will be used along Camp Mikell Road, Old Rothell Road, and Highview Road while the existing bridge is being removed and the proposed bridge is being constructed.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Tony Voyles
GDOT District 1, Area 3 Engineer
Email: tvoyles@dot.ga.gov
301 Conger Road
Carnesville, GA 30521
(706) 384-7269

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert Shelby, III
State Program Delivery Engineer
ATTN: Anthony Tate, Project Manager
Email: atate@dot.ga.gov
600 West Peachtree Street
Atlanta, Georgia 30308
(404) 631-1769

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.