



Addendum No. 8

Date of Addendum Issuance: November 5, 2019

Project: Asphalt Concrete Resurfacing and Soil-Cement Reclamation

Bid Item #: 19-42001-002

The following shall be added to the “Work Scope & Specifications” section of the ITB (posted 9/30); including modifications to the Bid Schedule of Items (changes to addendum #7), and corrections to Exhibit B & B-1 (Material Quantities) and Exhibit C (Project Location Maps):

WORK SCOPE & SPECIFICATIONS

Project Descriptions:

Lake More Drive:

- Asphalt deep patching as directed by the county inspector (3" 19 mm)
- Application of non-woven geotextile fabric as directed by the county inspection
- Undercut areas as directed by the county inspector
- 2" 12.5mm Type surface
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Sweep off pavement to remove accumulated sediment prior to resurfacing
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner's Representative

Lake Drive

- As directed by the Owner's Representative, pavement reinforcement fabric, asphalt deep patching (3" 19 mm)
- Sweep off pavement to remove accumulated sediment prior to resurfacing
- 2" 12.5mm Type surface course
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner's Representative

River Lake Court

- Asphalt deep patching as directed by the county inspector (3" 19 mm)
- Application of non-woven geotextile fabric as directed by the county inspection
- Undercut areas as directed by the county inspector
- 2" 12.5mm Type surface
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Sweep off pavement to remove accumulated sediment prior to resurfacing
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner's Representative

North Rock Island Drive

- Asphalt deep patching as directed by the county inspector (3" 19 mm)
- Application of non-woven geotextile fabric as directed by the county inspection
- Undercut areas as directed by the county inspector
- 2" 12.5mm Type surface
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Sweep off pavement to remove accumulated sediment prior to resurfacing
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide

- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner’s Representative

Oconee Court

- Asphalt deep patching as directed by the county inspector (3” 19 mm)
- Application of non-woven geotextile fabric as directed by the county inspection
- Undercut areas as directed by the county inspector
- 2” 12.5mm Type surface
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Sweep off pavement to remove accumulated sediment prior to resurfacing
- Unpaved or asphalt driveways shall be tapered with asphalt to provide smooth transition to the new pavement surface. Length and width of taper to be determined in the field – typically 5 to 6 feet in length and 10-12 feet wide
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner’s Representative

Old Phoenix Road @ Bridge

- As directed by the Owner’s Representative, mill 1.25” of AC on bridge deck and 100 ft. EB & WB approach to deck to establish a smooth transition
- 1.25” 9.5mm Type II surface course
- Contractor shall install bridge joints.(joints to be installed and bridge deck scuppers to be cleaned prior to resurfacing)
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix

Putnam County Recreation Department

- Existing asphalt pavement t in all areas (Areas A-D) shall be reclaimed and combined with GAB (from 4 to 6 inches as directed by the county inspector) and this combined material shall be mixed together to provide a new homogenous base material. This new pavement base shall be compacted to 98% of the Standard Proctor maximum dry density. Cost of testing the responsibility of the contractor.
- Grass and unsuitable in Area A shall be removed before reclamation occurs. See Exhibit B for additional notes. The County will require areas of the parking lot (Area A) to be widened and ‘squared off’ where possible parking # of parking stalls; as directed by the county inspector
- All grading of Access Road and Access Road Ditches (Area B) shall be paid under “Adjust Shoulders to Grade” pay item
- Area C shall have GAB placed followed by paving. NO FDR
- Correct drainage along frontage of recreational building. Minor grading of base material will correct the problem as directed by the county inspector
- County shall provide a “Parking Lot Striping Plan” to the selected contractor for striping purposes
- New base material shall be primed with CSS-1H before asphalt placement occurs
- Area A shall be resurfaced per the spread rates on Exhibit B
- All areas adjacent to the newly paved Areas A-D shall be graded and soil brought to the edge of pavement and stabilized/grassed. This is paid under “Adjust Shoulders to Grade” pay item
- Cart paths (Areas D) shall be paved to provide smooth transition to the new pavement surface. Length and width to be determined in the field – typical 9-12 feet wide. Areas to be reclaimed as in Area A – thickness of new GAB to be determined in the field by the county inspector
- Grading new ditch line utilized on a segment of the project length as directed by the Owner’s Representative
- Thermoplastic striping & wheel stops as directed by the Owner’s Representative

Putnam County Animal Shelter

- Remove 100 feet of curb and gutter and backfill with GAB as directed by the Owner's Representative. The cost for this work shall be Pay Item 310-2190
- Existing asphalt pavement t in all areas (Areas A-D) shall be reclaimed and combined with GAB (from 4 to 6 inches as directed by the county inspector) and this combined material shall be mixed together to provide a new homogenous base material. This new pavement base shall be compacted to 98% of the Standard Proctor maximum dry density. Cost of testing the responsibility of the contractor.
- All areas adjacent to the newly paved parking lot shall be graded and soil brought to the edge of pavement and stabilized/grassed. This is paid under "Adjust Shoulders to Grade" pay item
- 1.25" 9.5mm Type II with lime surface course
- 1.5 " 12.5mm with lime binder course
- Install a 30- to 35-degree tapered asphalt wedge at the end of each workday.
- Thermoplastic striping & wheel stops as directed by the Owner's Representative

Oconee Springs Park

- Existing asphalt pavement t in all areas shall be reclaimed and combined with GAB (from 4 to 6 inches as directed by the county inspector) and this combined material shall be mixed together to provide a new homogenous base material. This shall occur in all areas **EXCEPT** the large parking lot. This new pavement base shall be compacted to 98% of the Standard Proctor maximum dry density. Cost of testing the responsibility of the contractor.
- Pavement reinforcement fabric as directed by the Owner's Representative
- 1.25" 9.5mm Type II with lime surface course (all areas except large parking lot)
- 1.5 " 12.5mm with lime binder course (all areas except large parking lot)
- Large parking lot to be resurfaced with 1.5" 9.5 mm Type II; use of fabric as directed by the county inspector

- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping & wheel stops as directed by the Owner’s Representative

Sammons Industrial Parkway

- Undercut and remove 6 inches of existing asphalt and apply FDR Cement Stabilized Reclaimed Base (CSRB) to cut subgrade. Place new asphalt (12.5 and 19 mm the same day).
- Concrete plant on Sammons Industrial to provide cement at no cost to the county or contractor
- 4” 19mm binder course
- 2” 12.5mm with lime surface course
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner’s Representative

South Shore Road

- LMIG Funded
- CSRB per the project specifications – addendum #7
- Bituminous curing material applied to FDR surface if opened to public during construction. Specifications call for road closure (except at residential side street as discussed in addendum #7). County will entertain option to keep road open but final decision at county’s discretion.
- 2.5” 12.5mm with lime surface course
- 1.75” 9.5mm Type II with lime surface course
- Road to be 26 feet wide but striped for 24 feet.
- Adjust Shoulder to Grade – shoulder shall be brought flush to the end of the pavement, with shoulder grassed. All grassing shall be hydro-seeded with fiber mulch included in mix
- Thermoplastic striping as directed by the Owner’s Representative

EXHIBIT A
(BIDDERS MUST RETURN THIS FORM WITH BID RESPONSE)
BID SCHEDULE OF ITEMS

PAY ITEM	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL AMOUNT
150-000	TRAFFIC CONTROL	LS	1		
210-0101	GRADING; ADJUST SHOULDER TO GRADE	LM	11.4		
210-0250	UNDERCUT EXCAVATION	CY	543		
315-2160	CEMENT TREATED BASE COURSE; 12"	SY	29,660		
301-5000	PORTLAND CEMENT; 10 INCH DEPTH	TN	900		
310-2190	RECLAMATION; PULVERIZE EXISTING AC AND MIX WITH NEW GAB (depth of mix 8 in.)	SY	21,233		
310-5060	GR AGGR BS CRS 6 IN INCL MATL	SY	26,233		
402-1802	ASPHALT PATCHING INCL BM&HL & TACK COAT; 3 IN. 19 MM	TN	1975		
402-3103	RECYCLED AC 9.5 MM SP, INCL BM&HL & TACK COAT (SP TYPE II, GP 2)	TN	4,710		
402-3130	RECYCLED AC 12.5 MM SP, GP 2 ONLY, INCL. BM&HL & TACK COAT	TN	10,958		
402-3190	RECYCLED AC 19 MM SP, GP 2 ONLY, INCL BM&HL & TACK COAT	TN	390		
432-0205	MILL ASPHALT CONC. PVMT; 1.25 INCHES	SY	1400		
441-9000	PRECAST BUMPER BLOCK – WHEEL STOP	EA	114		
446-2118	HIGH STRENGTH PVMT REINF FABRIC	SY	10,150		
461-8332	SEAL BRIDGE JOINTS (Old Phoenix bridge at Lake Oconee)	LS	1		
652-0095	PVMT MARKING, HANDICAP SYMBOL	EA	9		
653-1704	THERMOPLASTIC SOLID TRAFFIC STRIPE, 24 INCH WHITE	LF	1692		
653-1501	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 INCH, WHITE	LM	10		
653-3501	THERMOPLASTIC SOLID TRAFFIC STRIPE, 5 INCH, WHITE (parking lot)	GLF	7,870		
653-1502	THERMOPLASTIC SOLID TRAFFIC STRIPE , 5 INCH, YELLOW	LM	8.78		
653-4502	THERMOPLASTIC SKIP TRAFFIC STRIPE,, 5 INCH, YELLOW	GLM	2.38		
				TOTAL BID	

Print Total Bid Price: (print) _____

In compliance with the attached Specification, the undersigned offers and agrees that if this Bid is accepted, by the Putnam County Board of Commissioners within Ninety (90) days of the date of Bid opening, that he will furnish any or all of the Items upon which Prices are quoted, at the Price set opposite each Item, delivered to the designated point(s) within the time specified in the Bid Schedule.

COMPANY _____

ADDRESS _____

AUTHORIZED SIGNATURE _____

PRINT / TYPE NAME _____

TITLE _____

EXHIBIT B**PUTNAM LMIG & TSPLOST RESURFACING AND RECLAMATION QUANTITIES**

Road Segment	From	To	Avg. Width (feet)	Length (miles)	Milling (SY)	Asphalt 9.5 Type II (TN); Spread Rate (LBS/SY)	Asphalt 12.5mm (TN) Spread Rate (LBS/SY)	Asphalt 19mm (TN) Spread Rate (LBS/SY)	Asphalt 19 mm Patching (LBS/SY); 3 in. Note 8.	GR AGGR BASE CRS; 6" (SY)	Reclamation; Pay Item 310-2190 (SY) Note 7.	Undercut; pay item 210-0250 (CY) Note 6.	Non-Woven Geotextile Fabric (SY)	Grading Adjust Shoulder to Grade (Lane Miles)	CSRB (SY)	Cement (TN)
Lakemore Drive	State Route 44	Cul-de-sac	20	0.73	x	x	1200 (220)	x	750 (330)	x	x	95	2,500	1.46	x	X
Lake Drive	Address 117	Cul-de-sac of Address 145	20	0.3	x	x	500 (220)	x	100 (330)	x	x	12	1,000	0.6	x	X
River Lake Ct	River Lake Drive	Cul-de-sac	20	0.15	x	x	280 (220)	x	50 (330)	x	x	6	700	0.3	x	X
River Lake Drive	Crowe St	East River Bend Drive	20	1.15	x	x	1633 (220)	x	800 (330)	x	x	90	3,500	2.3	x	X
North Rock Island Drive	Harbor Drive	Cul-de-sac	20	0.41	x	x	690 (220)	x	225 (330)	x	x	30	2,000	0.82	x	X
Oconee Ct.	Intersection of East River bend Drive at cul-de-sac.	Cul-de-sac	20	0.08	x	x	230 (220)	x	50 (330)	x	x	60	450	0.16	x	X

Old Phoenix Road.	100 Feet Before Bridge Over Lake Oconee	100 Feet on each approach to bridge including bridge deck over Lake Oconee	22	0.12	1400 Note 2.	90 (135)	x	x	x	x	x	x	x	x	x	X
Putnam Rec. Department Note: 3.	All Lots and Car Paths in ITB	All Lots and Car Paths in ITB	NA	NA	x	1020 (135)	1130 (165)	x	x	15,700	13,700	x	x	0.75	x	X
Animal Shelter	Parking Lot	Parking Lot	NA	NA	x	90 (135)	110 (165)	x	x	1100	1100	x	x	x	x	X
Oconee Springs Park Note 9.	S Spring Rd	Parking Lot & Cart Paths	NA	NA	x	480 (135) 280 (165)	585 (165)	x	x	9433	6433	x	x	.90	x	X
Sammons Industrial Parkway	Harmony Rd	Concrete Plant	22	0.13	x	x	250 (275)	390 (440)	x	x	x	250 Note 4.	x	0.26	1,500	0 Note 1.
South Shore Road Note: 5	Twin Bridges Road	Blue Gill Road	25	1.92	x	2750 (165)	4,350 (275)	x	x	x	x	x	x	3.84	28160	900
TOTALS	x	x	x	4.99	1400	1680 (135) 3030 (165)	1825 (165) 4533 (220) 4600 (275)	390	1975	26,233	21,233	543	10,150	11.39	29,660	900

- Note:**
1. Cement to be provided by concrete plant on Sammons Industrial. Putnam will coordinate efforts.
 2. Mill existing asphalt on bridge deck and 1 ¼ inch on each roadway approach
 3. Unit price for AC to include prime for reclaimed compacted base course; reclaimed base to be compacted to at least 98% standard proctor max dry density
 4. Undercut & remove approximately 6-7 inches existing subgrade & asphalt prior to CSR
 5. LMIG project. See GDOT specifications – density alternative to cores
 6. Undercut existing soil subgrade greater than 4 inches in depth. Backfill with asphalt or GAB as directed by county
 7. Reclaim existing AC (average 2 inches) and pulverize/mix with new 6” GAB to a humongous base material. Quantity of GAB added to the reclamation process will vary depending on location of work. County to provide details at pre-con
 8. Includes saw cut existing asphalt, remove max. of 4 inches of subgrade, tack all cut edges and placement of asphalt
 9. The “Grading Adjust to Shoulder” pay item shall include the removal of grass and unsuitable located in the front parking lot before reclamation commences.. Approximate area of work is 800 SY. Work shall also include widening access road from 14 to 18 feet and approximately 200 feet of ditch relocation parallel to the access road. The access road work shall occur prior to the reclamation work.

PUTNAM STRIPING QUANTITIES

Road Segment	From	To	Striping (Miles); T- Thermoplastic						
			5 IN Double Yellow Center (Mile)	5 IN Edge White (Mile)	5 IN Skip Yellow (GLM)	Handicap Symbol (EA)	Stop Bars – EA (LF)	5 IN White parking Lots (GLF)	Wheel Stops (EA) Note 1.
Lakemore Drive	State Route 44	Cul-de-sac	1.46 (T)	1.46 (T)	X	x	9 (T)	x	x
Lake Drive	Address 117	Cul-de-sac of Address 145	.60 (T)	.60 (T)	X	x	9 (T)	x	x
River Lake Ct	River Lake Drive	Cul-de-sac	.3 (T)	.3 (T)	X	x	9 (T)	x	X
River Lake Drive	Crowe St	East River Bend Drive	1.3 (T)	1.3 (T)	X	x	18 (T)	x	X
North Rock Island Drive	Harbor Drive	Cul-de-sac	.82 (T)	.82 (T)	X	x	9 (T)	x	X

Oconee Ct.	Intersection of East River bend Drive at cul-de-sac.	Cul-de-sac	0.1 (T)	0.1 (T)	X	x	X	x	X
Old Phoenix Road.	100 Feet Before Bridge Over Lake Oconee	100 Feet on each approach to bridge including bridge deck over Lake Oconee	.24 (T)	.24 (T)	X	x	X	x	X
Putnam Rec Department	All Lots and Car Path	All Lots and Car Path	X	X	.4	6 (T)	6 (T)	7,000 (T)	90
Animal Shelter	Parking Lot	Parking Lot	X	X	X	1 (T)	18 (T)	270 (T)	14
Oconee Springs Park	S Spring Rd	Parking Lot & Cart Paths	0.5 (T)	X	X	2 (T)	36 (T)	600 (T)	10
Sammons Industrial Parkway	Harmony Rd	Concrete Plant	.26 (T)	.26 (T)	X	x	9 (T)	x	X
South Shore Road	Twin Bridges Road	Blue Gill Road	3.2 (T)	4.92 (T)	2.38 (T)	x	18 (T)	x	X
TOTALS	x	x	8.78	10	2.38	9	141 (1692)	7870	114

Note: Includes installation

Putnam County Animal Shelter



Oconee Springs Park



RECREATION FACILITY

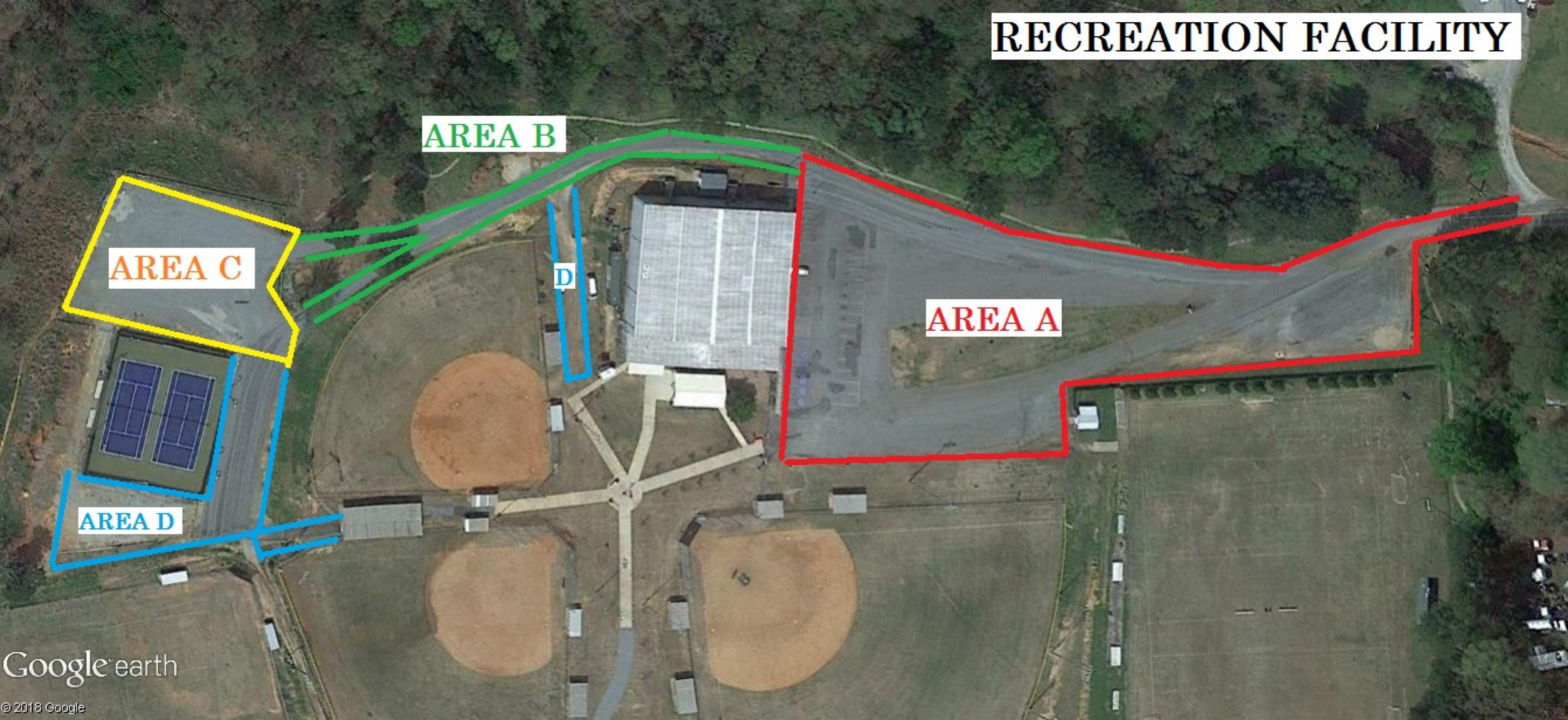
AREA B

AREA C

D

AREA A

AREA D



LOCATION MAPS





