ESTERO COUNCIL OF COMMUNITY LEADERS

Aug 10, 2018



ESTERO COUNCIL OF COMMUNITY LEADERS

Welcome.

(Please... Silence Your Phone)







Fire Chief Scott Vanderbrook





Fire Chief David Cambareri

Public Information Officer Alexis Rothring





LEE COUNTY MINE ANALYSIS.. A SECOND LOOK - GREG STUART
STUART AND ASSOCIATES PLANNING & DESIGN SERVICES

A Discussion Of The 2016 Waldrop Study _ Lee & Collier County Lime Rock Findings

Waldrop Engineering SE Lee Co. DR/GR Mining Study 09/2016
Table III-4 2030 & 2040 Regional Pop. Projections and Limerock Demand _ With 4 Mine Collier Co. Limerock Mines

V	2020 BERR	Annual Professor	A	Communication	ntal dans
Year		Annual Projected			Waldrop
	Med. Pop.				W./ 4 Collier Co
		9 tons per cap.	Demand	Demand	Limerock Mines
2015	1,654,604				297,937,834
2016	1,686,803	15,181,227	11,245,353	11,245,353	
2017	1,719,002	15,471,018	11,460,013	22,705,367	
2018	1,751,202	15,760,818	11,674,680	34,380,047	
2019	1,783,401	16,050,609	11,889,340	46,269,387	
2020	1,815,600	16,340,400	12,104,000	58,373,387	239,564,447
2021	1,845,240	16,607,160	12,301,600	70,674,987	
2022	1,874,880	16,873,920	12,499,200	83,174,187	
2023	1,904,520	17,140,680	12,696,800	95,870,987	
2024	1,934,160	17,407,440	12,894,400	108,765,387	
2025	1,963,800	17,674,200	13,092,000	121,857,387	176,080,447
2026	1,990,340	17,913,060	13,268,933	135,126,320	
2027	2,016,880	18,151,920	13,445,867	148,572,187	
2028	2,043,420	18,390,780	13,622,800	162,194,987	
2029	2,069,960	18,629,640	13,799,733	175,994,720	
2030	2,096,500	18,868,500	13,976,667	189,971,387	107,966,447
2031	2,120,120	19,081,080	14,134,133	204,105,520	
2032	2,143,740	19,293,660	14,291,600	218,397,120	
2033	2,167,360	19,506,240			
2034	2,190,980				
2035	2,214,600				
2036	2.235.600				
2037	2,256,600	20,309,400	15,044,000	292,164,720	5,773,114
2038	2,2//,600	20,498,400	15,184,000	307,348,720	-9,410,886

- Lee & 4 Mine Collier Co. Post-excavation @ 297,937,834 cyd
- Enough Lime Rock For 100% Of The Region Through 2037

Towards An Accurate 2040 Forecast _

An Evaluation & Appraisal of the 05 Rawl, 08 Dover Kohl, 16 Morris Depew & 16 Waldrop Studies

CRITICAL RESOURCE DEPTH ASSUMPTION: The 2016 Morris Depew Study & The 2016 Waldrop Study Relied On Dover Kohl For Regional Lime Rock Depth Averages; Dover Kohl Relied On The 2005 Rawl Report

The 05 Rawl Report Was Largely Based On General Lime Rock Depth (Exhibit 4)

08 DOVER KOHL: "This analysis is based on the public record - - - Where these files did not provide sufficient data (e.g., the average depth to the top of productive limerick deposits or the average thickness of lime rock), estimates were taken from Rawl". Prospects For SE Lee Co., Para 2 pg. B-5; 07/08

16 MORRIS-DEPEW: Reliance On Dover Kohl's Table B-1 Mines In SE Lee & B-2 Mine Capacity & Average Lime Rock Thickness

16 WALDROP: "The average lime rock thickness was estimated based on soil borings bathymetric surveys, and other data available through Lee Co. & FDEP permit case files, and compared to the average lime rock thickness utilized in the 08 Dover Kohl Report". SE Lee Co. DR/GR
Mining Study; para. 5 pg. 12 06/16; Footnote 2 & 3 Table III-1

04/18 Stuart _ An Evaluation and Appraisal of Report Mine Depths
Morris Depew CPA2016-00006, 07/15/16; Dover Kohl Table B-2 and Waldrop Table III-1

Mine Name	Dover Kohl/Spikowski Est. Average Rock Thickness (ft)	Morris-Depew Est. Average Rock Thickness (ft)	Waldrop: Est. Ave. Limerock Thickness (ft)
Rinker Materials 3A & 3B CEMEX Alico Quarry	17	17	17
Green Meadows/Harper Bros. FL Rock	25	25	25
Green Meadows Expansion	25	25	25
Green Meadows FL Rock Mine #2		30	36
University Lakes & West Lakes	30	30	30
Westwind (E. Corkscrew Mine)			44
Bonita Grande Mine	30	30	30
Plumosa Farms			10
Bell Road			40
Cemex North Quarry 3			

Dover Kohl, Morris-Depew & Waldrop Lime Rock Thickness

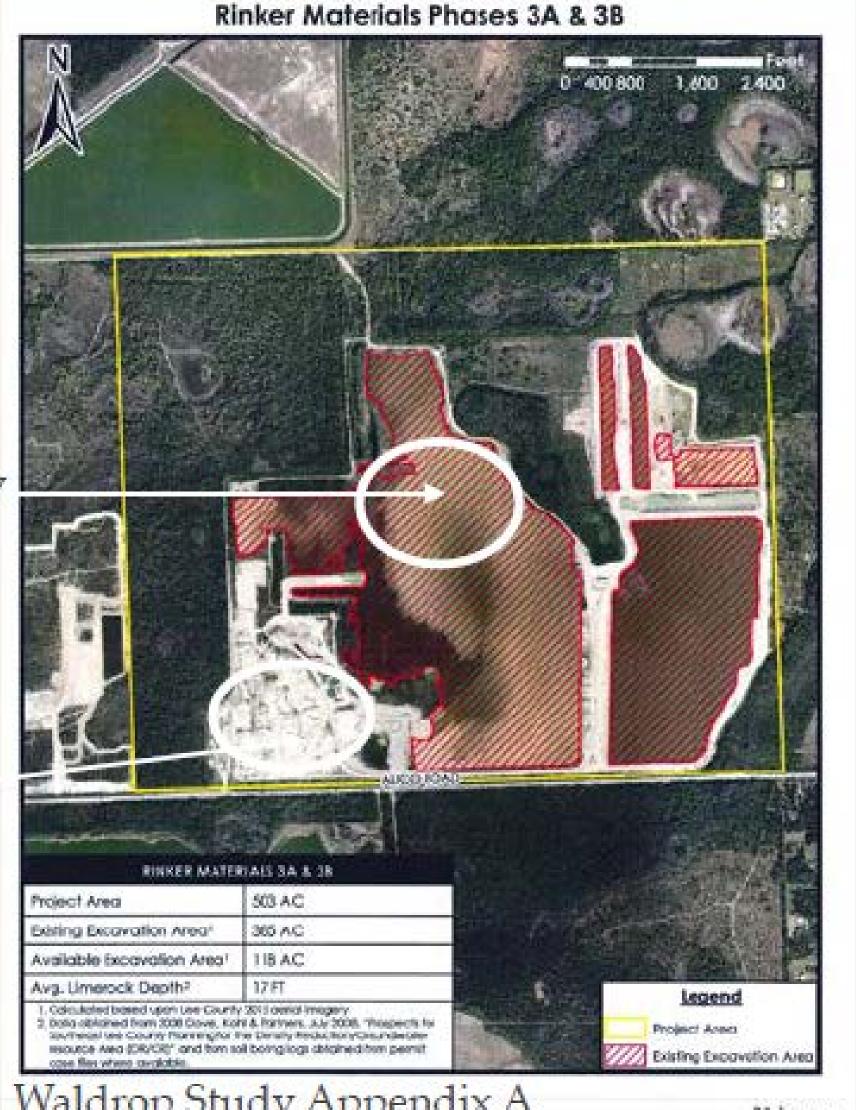
Towards An Accurate 2030 & 2040 Forecast

An Evaluation & Appraisal of the Rawl, Dover Kohl, Morris Depew & Waldrop Studies (cont.)

- * The 4 Studies Did Not Rely On Regulatory Monitoring Reports
- * The 4 Studies Did Not Rely On Nor Provide Mine Specific Geotechnical Data For Review
- * The Waldrop Study Relied On Air Photo Interpretation For Future Resource Yield Estimates
 - * The "X-Ray Vision Problem": Air Photo Interpretation Cannot Provide For Accurate Percentage Lake Excavation Depth w. / Associated Remaining Resource Estimates

Waldrop Existing Excavation Area Methodology

Available Excavation Area



Waldrop Study Appendix A

21 | 7 29 0

Limerock Supply Calculations; pg. 21

Towards An Accurate 2030 & 2040 Forecast _

An Evaluation & Appraisal of the Rawl, Dover Kohl, Morris Depew & Waldrop Studies (cont.)

- * They Do Not Provide An Accurate & Comprehensive Collier Lime Rock Inventory
- They Assume Charlotte Co. Does Not Provide Lime Rock For The Region
- * They Fail To Account For Regionally Significant Port Manatee Lime Rock Import Data
- * They Do Not Question The Assumption That Lee Co. Is The Primary 100% Regional Provider
 - Collier & Charlotte Co. Have Superior Proximity To Their Marketplace = Lower Hauling Costs = Lower Product Costs
 - DR/GR Mining Entitlements Have To Be Logically Based On A Lee, Collier & Charlotte Resource Area When Evaluating Need
- * Finding: Any Map 14 & Table 1(b) Decision Not Based On The Tri-county Resource Area Will Be Internally Inconsistent With 1.4.5.2.c, 1.7.6.2, 1.7.12, 10.1, 33.1, 33.1.1 & 33.1.4
 - * The 33.1.1 "Clear Necessity Test" Must Factor In Collier & Charlotte Co.
 - * Ignoring Charlotte & Collier Will Lead To An Overallocation Of Map 14 & Table 1(b) Industrial Mine Land Uses w./Associated Impacts & Compatibility Conflicts

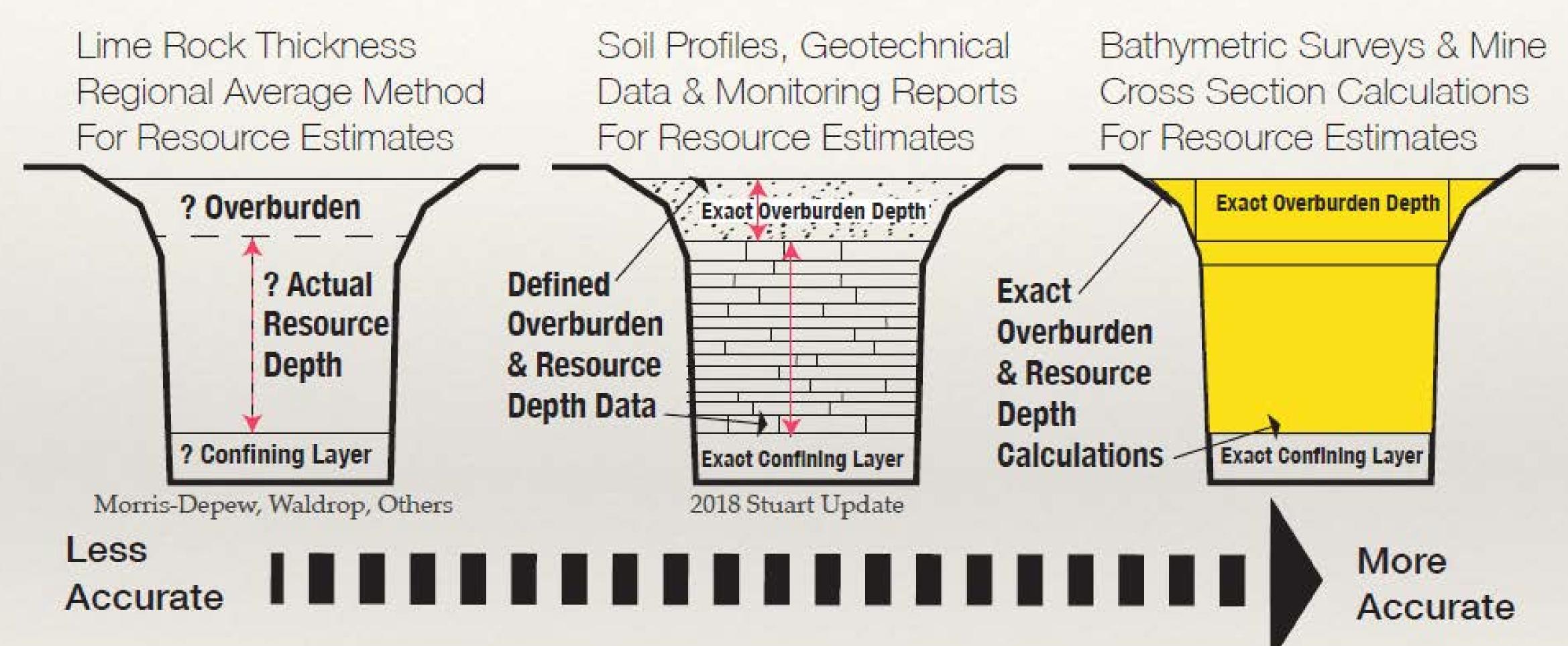
An Updated 2030 & 2040 Forecast _

Exhibit 2 The 2018 Stuart SE Lee Co. DR/GR & Regional Lime Rock Mines Update

- * THE ISSUE:
- * To Be Consistent w./1.4.5.2.c, 1.7.6.2, 1.7.12 & 33.1.1 Is The Troyer Bros. MEPD *Clearly Needed* Based Upon Best Available & Credible Data?
 - * 33.1.4 _ Requires Lee Co. To Use Best Available & Credible Data: "Future amendments will reflect any additional data that becomes available through routine monitoring reports and bathymetric surveys or other credible sources."

10

Best Lime Rock Supply Evaluation Practices



The 2018 Stuart DR/GR Lime Rock Mine Study Methodology

- The 2018 Stuart & Associates Update Is Based On The 2016 Waldrop Study Methodology:
 - Demand Based On BEBR Medium Range 7 County Regional Population Projections (2030 & 2040)
 - Demand Based On 9 Tons Per Person
 - * Supply Uses 1.35 Tons Per Cyd Equivalent
 - Demand Estimates Relies On Waldrop's Cumulative Population Growth Approach (Not The Spikowski Approach)

The 2018 Stuart DR/GR Lime Rock Mine Study Methodology (cont.)

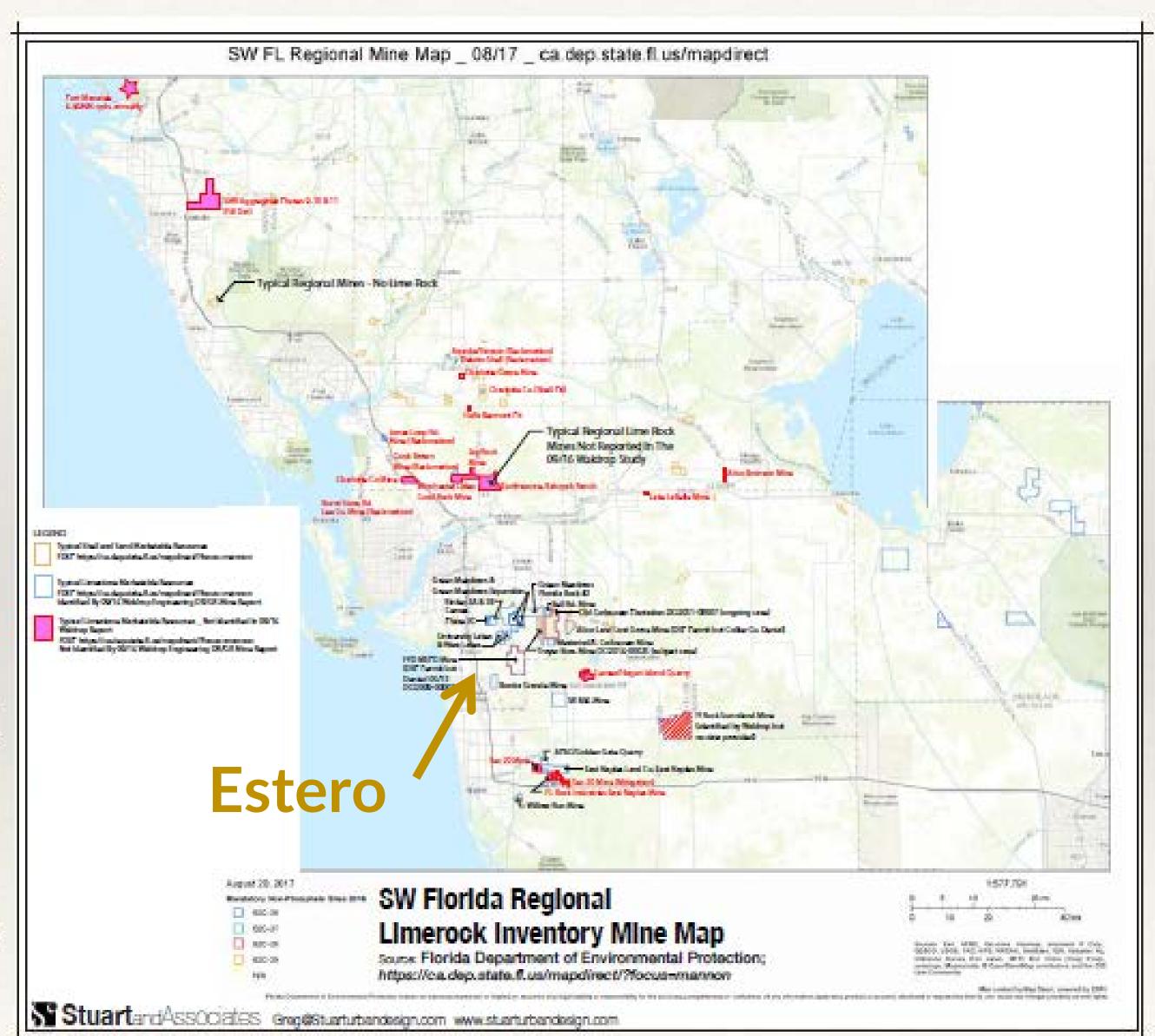
- Only Fully Permitted Lime Rock Mines Were Included (No Fill Dirt or Shell Mines)
- Supply Is Not Based On Max. Approved Excavation Depth
- Supply Specifically Factors Out Overburden
- Supply Factors In 20% Volume Loss For Post-excavation
- Study Does Not Undertake A Qualitative Assessment; i.e., If The FDEP Permit Or Monitoring Reports Identifies The Mine For Lime Rock Then It Is Counted
- * Does Not Take Into Account Mine Side Slopes

The Difference Is The Data

- Different Data Sources 2018 Stuart Update Uses Accurate Data:
 - * The 2018 Stuart Update Documents FDEP Environmental Resource Permits To Obtain Regional Lime Rock Mine Inventory
 - The Evaluation Uses Regulatory Monitoring Reports
 - * The Evaluation Uses Mine Specific Geotechnical Data & FDEP Permits When Determining Mine Lime Rock Thickness
 - * The Evaluation Uses Soil Profiles When Determining Mine Overburden Estimates & Limerick Thickness (Waldrop Uses Regional Average)
 - Air Photo Interpretation Is Not The Key Analytical Tool Used For The
 2018 Evaluation (It Is Not Accurate & There Are Superior Data Sources)

A Comprehensive Local & Regional Lime Rock Mine Inventory

- * Based On The FDEP Lime
 Rock Permit Map For A
 Comprehensive & Accurate
 Local & Regional Inventory
- 2018 Stuart Examined 37
 SW FL Lime Rock Mines,
 w./26 Active Mines For
 Further Study
 - Comment: You Cannot
 Make Accurate Regional
 Demand Estimates &
 Recommendations w./
 out Having An Accurate
 Regional Inventory



A Comprehensive Local & Regional Lime Rock Mine Inventory (cont.)

05/2018 Stuart Study 37 SW FL Lime Rock Mine Inventory Re-evaluation

Source: FDEP

Sarasota Co.	TOTAL 1	LIME ROCK	RECLAMATION	DIRT/SHELL 1
DeSoto Co.	2		2	1
Hendry Co.	1	1		
Glades Co.	1	1		
Charlotte Co.	9	5	2	
Lee Co.	14	10	4	1
Collier Co.	9	9		
SUBTOTALS	37	26	8	3

- *Map Source _ FDEP https://ca.dep.state.fl.us/mapdirect/?focus=mannon
 - *6x's Greater Than The Troyer Bros. Inventory Data Base
 - *3 X's Greater Than The Waldrop Inventory Data Base

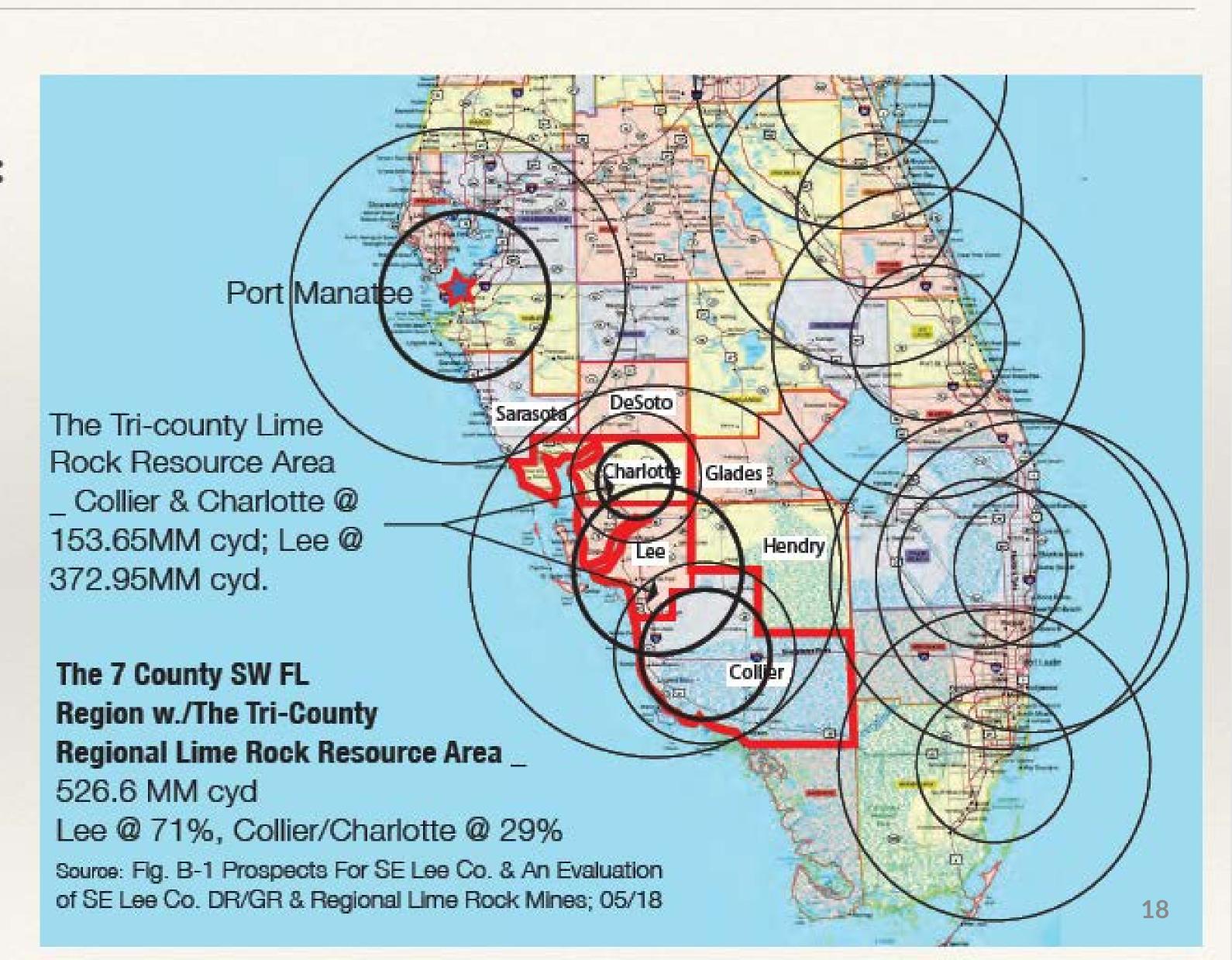
Findings - Is The Troyer Bros. Mine Clearly Needed Based Upon Best Available Data

- * There Is An Ample Supply Of Lime Rock The Troyer Bros.
- Mine Is Not Needed
 - * Lee, Collier & Charlotte Counties Can Provide 100% Of The Regions Lime Rock Supply Through 2051
 - * Tri-county Aggregate Reserves @ 526,613,153 cyd
 - * Troyer Bros. @ 251,421,793 cyd. (275.19MM Under-reported Lime Rock)
 - Lee County Alone Can Provide 100% Of The Regions Lime Rock Supply Through 2042 (Up To 2045/46 If Using The 20% Dover Kohl Supply Discount)
 - Lee & Collier Counties Can Provide 100% Of The Regions Lime Rock Supply Through 2049

The Tri-county Lime Rock Resource Area

- * The Troyer Bros.

 Mine Is Not Needed:
 - Lee Co @
 372,956,998 cyd
 On 5,321 acres
 - Charlotte, Collier
 & Lee Co. w./
 Overlapping
 Markets &
 Regional Exports
 - Charlotte Co.
 Exports To North
 Lee Co.



Lee Co. Lime Rock Supply & Demand (Ex. Two, Appendix A & C.1 - C.10)

	LEE	05/2018 Stuart _ An Evaluation and Waldrop Table III-1 Lee Co. Limerock Supp					Table	-							
	COUNTY:	Mine Name	Approved & 2015 Remaining Lime Rock Mine Acres	Excavation Authorized Cyd.	Waldrop Est. Cyd. of Limerock Excavated to Date (2015)	Waldrop Est. Limerock Remaining Pre-excavation	Waldrop Est. Cyd. Of Limerock Remaining Post-excavation	Waldrop: Est. Ave. Limerock Thick. (ft)	Lee Co. Approved Mine Depth	Thickness	Lee Co. Monitoring Reports Extraction To Date 2015	Lee Co. Monitoring Report Remaining	Overburden Adjustment Coefficient	Stuart Remaining Pre-excavation Limerock	Stuart Remaining Post-excavation Limerock
*	372,956,998		MINE ACTES		Date (2015)	Cyd.				(RL) (NOSE #11)	Cyd. (Note#12)	Extraction	(Note #13)	Cyd.	Cyd. (Note #14)
	cyd On	Rinker Materials 3A & 3B (1) CEMEX Alico Quarry	503 _ 118	36,517,800	10,559,266	3,236,346	2,589,077	17	45	45	15,000,000	8,800,000	0.7	6,160,000	4,928,000
	5,321 Acres	SEZ2000-00034 LD02007-00214													
	(2015)	Green Meadows/Harper Bros. FL Rock (2) 99-05-243.06S LDO 97-05-073.08 LDO2006-00055 & DCI2005-00105	1075 _385	107,651,279	27,830,000	15,528,333	12,422,666	25	62	45.8	62,115,108	45,536,171	0.74	33,696,767	26,957,413
	Troyer Bros.	Green Meadows Expansion (3)	1132_812	125,175,306	12,906,666	32,750,666	26,200,533	25	68	42.9	40,050,613	85,124,693	0.73	62,141,026	49,712,821
	Estimate @	DCI2000-00044 LDC2001-00038 LDC2006-00055 & Z-07-054													
	251,421,793	Green Meadows FL Rock Mine #2 (4) DOS2014-00062	2471 _ 2471	168,819,200	0	168,819,200	135,055,360	36	60	37.9		-	0.69	168,819,200	135,055,360
	cyd_	DCI2010-00028 & Z-12-003													
	Under-	University Lakes & West Lakes (5) DCI2004-00019	1511_879	244,725,888	37,000,000	42,543,600	34,034,880	30	108 90		37,000,000	207,000,000	0.72	149,040,000	119,232,000
	reported	LD02006-00071 Z-05-088 DCI2000-00079													
	121,535,205	Westwind (E. Corkscrew Mine) (6) DCI2002-00066	299_60	24,926,000	16,113,973	4,259,200	3,407,360	44	50	83.6			0.82	5,749,920	4,599,936
	cyd	DCI2000-00057 Z-01-016 DOS2012-00010													
4	Waldrop	Bonita Grande Mine (7) DCI2001-00065 LDC2000-00058 & IPD Z-02-047	557 _ 117	20,000,000		20,000,000	16,000,000	30	90	29			0.80	20,000,000	16,000,000
	Total	Plumosa Farms	30 _20	1,306,800	161,333	322,677	258,134	10	30					322,677	258,134
		LD02007-00063 DCI2000-00056 IPD Res Z-01-004					-								
	Estimate @	33-47-26-00-00001.002A	242 225	16 007 722	1 000 000	15 145 222	12 122 266	***	40		1 000 000	15 000 000		12 000 000	12 000 000
	297,937,834	Bell Road (8) LDO2003-00403 IPD Z-04-047	262_235	16,907,733	1,000,000	15,165,333	12,132,266	40	40		1,000,000	15,000,000		12,000,000	12,000,000
	cyd _	w./Monitoring Report													
	Under-	Cemex North Quarry 3 (9) DOS2015-00078 Sec. 6 Expansion Phase 3	203 _ 203 3C	14,737,800	0	14,737,800	11,863,044		45					5,266,667	4,213,334
	reported	DCI2010-00012 & MEPD Z-13-026													
	reported 75,019,164	LEE CO SUBTOTAL	8,043 _ 5,300			317,363,155	253,963,320							463,196,256	372,956,998
	75,019,104														19

cyd

Lee Co. Lime Rock Supply & Demand (Ex. Two, Appendix A & C.1 - C.10; cont.)

05/18 Stuart Updated Lee Co. Findings _ Lee County Regional Supply Only Updated 2030 & 2040 Regional Pop. Projections and Limerock Demand

۰ I	Lee County	Year		Annual Projected			Reviserd 05/18
			Med. Pop.		Projected	Projected	Lee Co.
	Alone Can			9 tons per cap.	Demand	Demand	Limerock
1	Hone Can						
	1 1 10000 00	2015	1,654,604	14,891,436	11,030,693		372,956,998
-	Provide 100% Of	2016	1,686,803				
		2017	1,719,002				
П	The Degione Lime	2018	1,751,202				
	The Regions Lime	2019	1,783,401				
		2020	1,815,600				
	Rock Supply	2021	1,845,240				
-	tock ouppry	2022	1,874,880				
-	1 1 2012	2023	1,904,520				
	Through 2042 w./	2024	1,934,160				
		2025	1,963,800				
_	L Lla - 2007	2026	1,990,340				
U	out the 20%	2027	2,016,880				
		2028	2,043,420				
	Supply	2029	2,069,960				
	uppry	2030	2,096,500				
		2031	2,120,120				
	Reduction	2032	2,143,740				
•	teduction	2033	2,167,360				
		2034 2035	2,190,980				
			2,214,600				
	2045/2046 w./	2036	2,235,600				
4	2010 / 2010 W./	2037	2,256,600				
-	m 000/ D:	2038 2039	2,277,600 2,298,600				
	The 20% Discount	2040	2,319,600				
	110 =0 /0 = 1000 01110	2041	2,350,915		15,672,764		
		2042	2,382,652				
		2043	2,414,818				

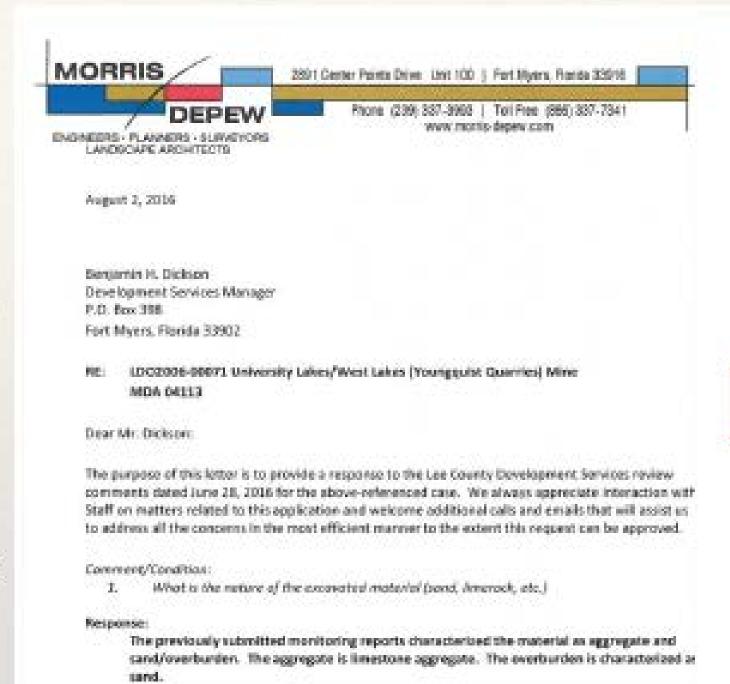
Note: Cumulative Projected Demand Based On 9 Tons Per Person, A 2020 Population @ 1,815,600, 2030 Population @ 2,096,500, 2040 Population @2,319,600

The 2018 Update _ Lee Co. Lime Rock Mine Supply Case Studies

Example #3 University Lakes & West Lakes (Ex. Two, Append. C.5)

- 08/02/16 Monitoring Report Remaining Extraction _ 207,000,000 cyd
- Overburden Adjustment _ 0.72
- Pre-excavation Available Lime Rock _ 149,040,000 cyd
- Post-excavation Available Lime Rock (20% loss) _ 119,232,000
 cyd
 - 2016 Waldrop Underreported @ 34,034,880 cyd.
 (29% of Actual)

DCI2000-00079



Comment/Condition

 Of the total 244,725,888 cubic yards approved, what is the cumulative total cubic yards of extracted material to date?

Response:

From 2004 through 2015, approximately 37,000,000 cubic sands of material has been processed.

Mr. Benjamin H. Dickson Lee County Development Services Monitoring Sufficiency Response Letter August 2, 1016 Page | 2

Comment/Condition:

How many cubic yards of material have been extracted over the last twelve (12)
consider months?

Вакрапия:

Approximately 3,300,000 cubic yeads of motorful was processed in the 2015 calendar year.

Comment/Condition:

4. What is the anticipated quantity, in askir yands, remaining or enticipated for extraction over the life of the mine?

espense:

The anticipated quantity varies upon quality of material. It is estimated in that 207,000,000 CV of material is available to be excavated.

Comment/Condition

Are the solution in items 1 through 4 expressed in pre-or post-transport quantities?

Bespanse:

For items 1-3, quantities are post-transport. For item 4, the estimated volume is pre-

Comment/Condition

S. What is the lotal number of vehicular trips of excurvated material that have exited the intresite to date?

Responses

Based on 17,000,000 cubic yards at 18.5 cabic yards per truck, approximately 2 million trucks with excavated material have exited the site since 2004.

Comment/Condition

 How many vehicular trips of excavated materials have exited the site over the last hereive (12) calendar months?

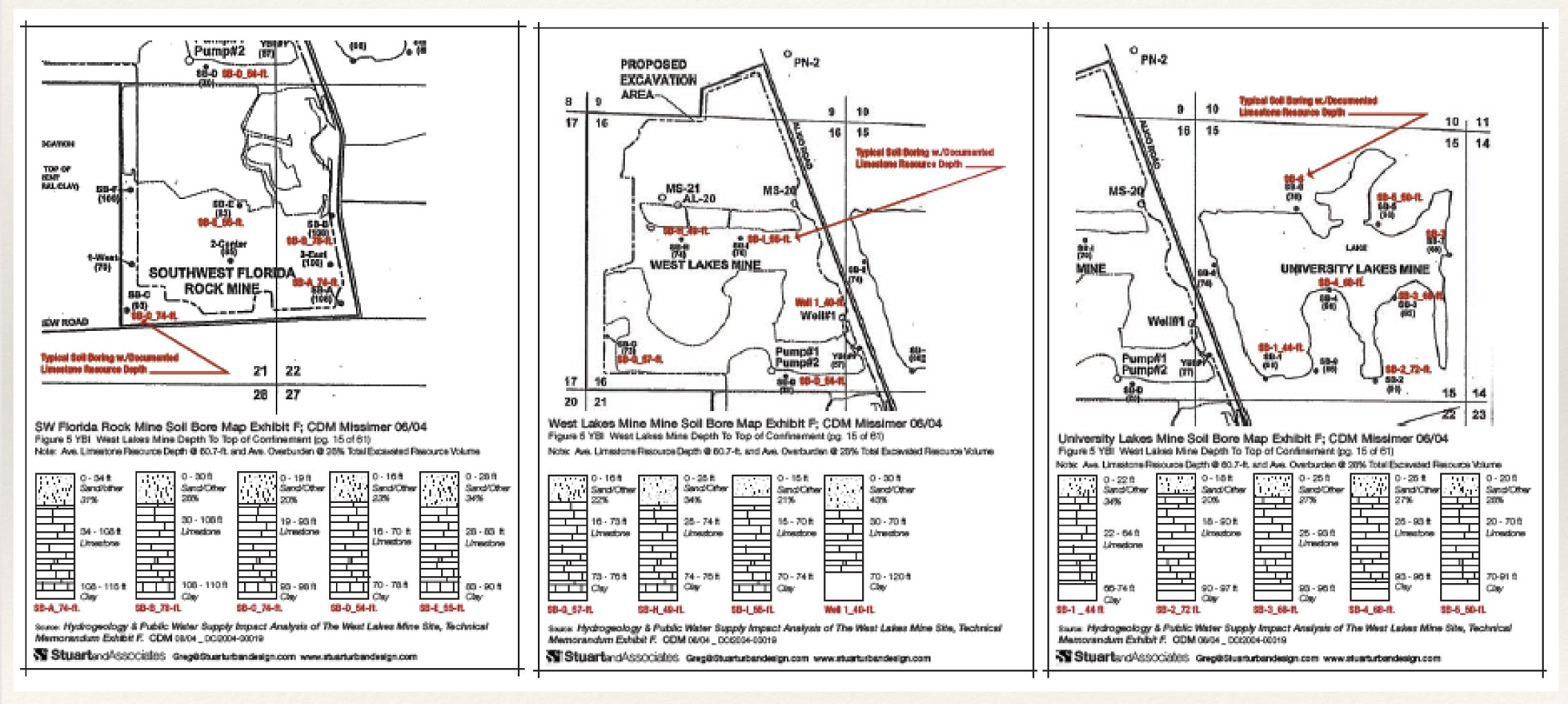
Response

Based on 1,300,000 cubic yards for 2015 at 38.5 cubic yards per truck, approximately 178,500 trucks of essayoted material have exited the site.

Lee Co. Mine Name	Approved Mine Acres	Excavation Authorized Cyd.	Waldrop Est. Cyd. of Limerock Excavated to Date (2015)	Remaining Pre-excavation	Waldrop Est. Cyd. Of Limerock Remaining Post-excavation	Waldrop: Est. Ave. Limerock Thick. (ft)	Lee Co. Approved Mine Depth	Corrected Soil Profile Ave. Limerock Thickness (ft.) (Note #11	Lee Co. Monitoring Seports Extracti To Date 2015 (Note#12)		Overburden Adjustment Coefficient (Note #13)	Stuart Remaining Pre-excavation Limerock	Stuart Remaining Post-excavation Limerock (Note #14)
West Lakes & University Lakes (5)	1511	244,725,888	37,000,000		34,034,880	30	90	60.7		207,000,000	0.72	149,040,000	
DCI2004-00019 LDO2006-00071 7-05-088											ą.		

The 2018 Update _ Lee Co. Lime Rock Mine Supply Case Studies

Example #3 University Lakes & West Lakes (cont.)



The 2018 Update _ Lee Co. Lime Rock Mine Supply Case Studies

Example #3 University Lakes & West Lakes (cont.)

7451e 1-6	Geste	gist's log l-H-)	25.	Table 4-4 (Con	't,). Geologist's leg L-M- 906.
Zenta (re	.)	Descript	A) a	Depth (ft.)	Description
0-4		Sand, quarts, stained, very	dark brown, organic, 170a-	74-79	Linestone, gray, hard to medium hard,
4-7	55	Sant. courts.	brews, case generally as	79-84	Linestone, gray, very hard, shelly, probably interbeford, high porosity,
7-10		Sandetone, 15	. gray, netjue hard, very moi +005 commented by eac-	84-67	Mayl, gray, mixture of gray carbonate mut and rook fragments.
10-15		consist.	A STATE OF THE STA	87-94	Clay, green, carbonate, milty, abundant micro-fossilm, fat;
15-24		Acces of core.	11. brews to tam, very	94-104	Clay, green, altered with con-
100000			trows, shelly, shells red, sterall sequence wary personable.		clear, abusiant micro-fossile,
24-26	***		ed, unpermolifiated shell, Didne opposition.		LITHOLOGIC LOGS WEST LAKES MENE TEST BORD-IOS
26=50		THE REPORT OF THE PARTY OF THE	shell, interpreted sedium hard to herd. - to Plainteens, high	Depth Herù	Lifedore
33-34			gray, sandy, nedius	Test besing 53-A	SAND, light offer lower(IY 5%), quarts, fine-graines, well-sorred.
34-39			gray, hard, tightly	1=3	LIMESTONE (CAPROCE), pair grantal yellow (10Y 82), frost weeknesses, hard, low managements.
34-44		· · · · · · · · · · · · · · · · · · ·	gray, very hard, trees parts seed, bridge por-	3-34	SAND, light office brown (YY 1/4), quietz, fine-grained, well-somet.
14-50		Montone, on	er, et aus utes ann anns	24-13	LIMESTONE, light seve gray (5Y 6'1) fossil wackerone, hard, very high mast epocarity (maide), sorbarks.
10-64		Migher porosit	ten to dark year	73 - 87	LINESTONE, no sexusa, faith the soft sile threshops. Loss devotation
	100	· · · · · · · · · · · · · · · · · · ·	Nor linestens wery	87-15	No resume, drills like stayment.
64-74		Monstone, 1t.	FERF. Section hand Seas.	55 - 108	LINESTONE, no settent
		ef shell, high	poresity.	100 - 11.5	CLAY, no returns.
7.4			(Com*1)		
		P-4	EXERCT F (Pect 25 of 61)	Test beeing 53-0	same of their more than to
				0 - 16	SAND, Egit otherbrows (DY 50), quarti, fine-guided, well-sorted.
				16-10	SAND, similar to above except very stelly.
				30 - 19	LIMESTONE, fost eloculation, no returns. Drills libs mak.
				N9-108	LIMESTONE, en-returns. Della liberati allty lieuestone. Bity and sunly clay with Expertens Suggestests were recevered from drill bit.
				108 - 119	CLAY, dark greenish gray (SGY 4A), stiff.

Typical Original Soil Boring Log _ # L-M-926, SB-A & SB-B DCI2004-00019 (Appendix C.5)

University Lakes & West Lakes Excavation DCI2004-00019 Soil Borings

Core ID #	Limestone Core Resource Depth	
SW Fl Rock Mine:		
SB-A	74	31%
SB-B	78	28%
SB-C	74	20%
SB-D	54	23%
SB-E	55	34%
SB-F	89	18%
University Lakes Mine:		
SB-1	44	34%
SB-2	72	20%
SB-3	68	27%
SB-4	68	27%
SB-5	50	28%
SB-6	57	25%
SB-7	59	33%
SB-8	49	32%
Werst Lakes Mine:		
SB-G	57	22%
SB-H	49	34%
SB-I	55	21%
Well 1	40	43%
Total # Cores	18	
Average LS Resource Depth	60.7	
Ave. LS Resource Depth West Alico	70.7	
Ave. LS Resource Depth East Alico	55.7	
Average Percentage Overburden Depth	28%	

Part One _ The 2018 Update Findings & Conclusions

MINE RESOURCE EVALUATION TABLE

Source: MAP 14 & TABLE 1(B), CPA2016-00006 & CPA2016-00010

Amendment Transmittal, Morris Depew; 07/15/16 M.D. Memo

Source: SE LEE CO DR/GR MINING STUDY, Waldrop Eng.; 09/16

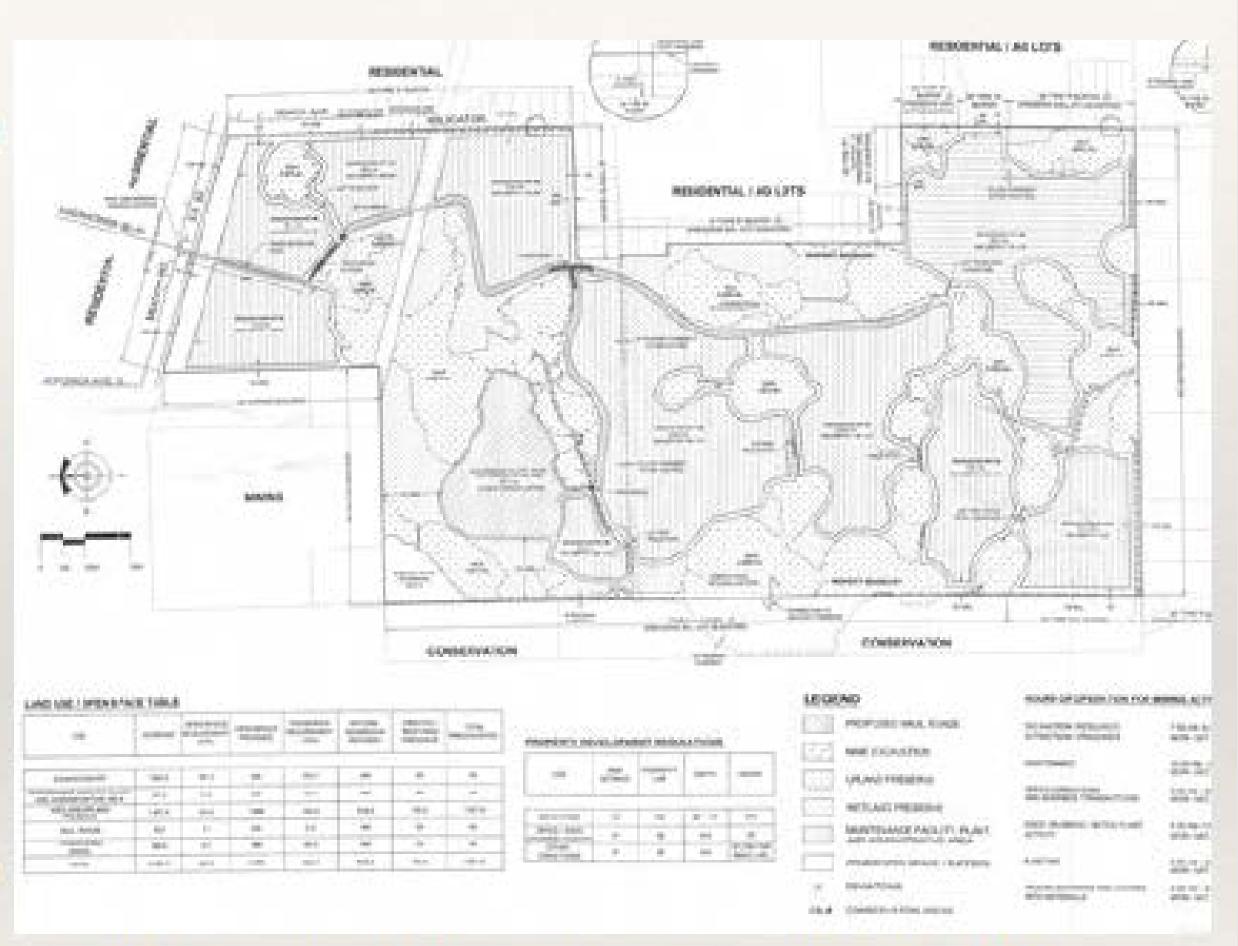
Source: AN EVALUATION OF SE LEE CO. DR/GR & REGIONAL LIME ROCK MINES;

Stuart & Associates, 05/18

Total 2008 Et. Remain Pre-excav. Mine Name Mine Acres Mine			2015				2015						
Mine Name		Morris-Depew	Morris-Depew		Morris-Depew	Waldrop	Waldrop		Waldrop		2015		
Cemex (Rinkler) - South 915 0 Closed C										Stuart Total	Stuart Est.		
Cemex (Rinkler) - North 1194 367.5 Open 15,021,301 503 118 Open 2,589,077 503 118 Open 4,928,000	Mine Name	Approved Acres	Mine Acres	Status	Yield Cubic Yds.	Approved Acres	Mine Acres		Yield Cubic Yds.	Approved Acres	Remaining Acres	Status	Yield Cubic Yds.
Cemex (Rinkler) - North 1194 367.5 Open 15,021,301 503 118 Open 2,589,077 503 118 Open 4,928,000													
Common	The state of the s												
FL Rock/ Greenmeadows					15,021,301	503	118			503	118		4,928,000
FL Rock Greenmeadows Exp. 1521 45.1 Open 1,846,817 1,075 385 Open 12,422,666 1075 385 Open 26,957,413 FL Rock Greenmeadows Exp. 1529 884.3 Open 36,137,882 1,132 812 Open 26,200,533 1132 812 Open 47,712,821 1,511 879 Open 34,034,880 1511 879 Open 119,232,000 CEMEX/RMC 309 0 Closed Westwind Corkscrew 0 0 Closed Open 10,000 0 Closed Sonita Grande 1321 372.5 Open 15,225,629 557 117 Open 16,000,000 557 117 Open 155,055,360 CEMEX North Quarry 3 2741 Open 132,664,400 2,471 2,471 Open 135,055,360 2471 2471 Open 135,055,360 CEMEX North Quarry 3 251,421,793 8,031 5,300 253,963,320 8031 5321 372,956,998 TOTAL CERE CO. VIELD 1,364 43,974,514 4,161 122,156,076	• • • • • • • • • • • • • • • • • • •												
FL Rock Greenmeadows Exp. 1529 884.3 Open 36,137,882 1,132 812 Open 26,200,533 1132 812 Open 49,712,821 1955 1236.3 Open 50,525,764 1511 879 Open 34,034,880 1511 879 Open 119,232,000 Closed Westwind Corkscrew 0 Closed 287 60 Open 12,132,265 262 235 Open 12,132,265 262 235 Open 12,000,000 Bonita Grande 1321 372.5 Open 15,225,629 557 117 Open 16,000,000 557 117 Open 16,000,000 Bonita Land Resources 0 Closed 2889 2741 Open 132,664,400 2,471 2,471 Open 135,055,360 2471 2471 Open 135,055,360 2671 2471 Open 135,055,360 2471 2471 Open 135,055,360 2671 2471 2471 Open 135,055,360 2671 2471 2471 2471 2471 2471 2471 2471 24	· · · · · · · · · · · · · · · · · · ·												
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TOTAL COLLIER CO. VIELD 1,364 43,974,514 4,161 122,156,076 TOTAL LEE & COLLIER 6,664 297,937,834 9,482 495,113,074 TOTAL CHARLOTTE CO. VIELD 1058 31,500,079	TOTAL LEE CO. AREA & VIELD	18,029	5,647		251,421,793	8,031	5,300		253,963,320	8031	5321		372,956,998
TOTAL LEE & COLLIER 6,664 297,937,834 9,482 495,113,074 TOTAL CHARLOTTE CO. YIELD 1058 31,500,079												•	
TOTAL CHARLOTTE CO. VIELD 31,500,079	TOTAL COLLIER CO. YIELD						1,364		43,974,514		4,161		122,156,076
TOTAL CHARLOTTE CO. VIELD 31,500,079	TOTAL LEE & COLLIER	Ì					6,664		297,937,834		9,482		495,113,074
							•						
TOTAL LEE, COLLIER & CHARLOTTE 526.613.153	TOTAL CHARLOTTE CO. YIELD										1058		31,500,079
AND THE PROPERTY OF THE PROPER	TOTAL LEE, COLLIER & CHARLOTTE										10,540		526,613,153

Part One Final Observations _ Current Permit Applications Old Corkscrew Plantation DCI2011-00007

- The Old Corkscrew Rd. Plantation
 Mine 4,204 ac. w. / 1,727 ac. Mine @
 110-ft deep
 - Est. Post-excavation @ 133,738,880 cyd
 - Equal to 36% Lee Co. 372.95MM
 Reserves
 - Total Lee Co. @ 506.69MM cyd/
 100% Region Through 2049
 - Tri-county Lime Rock Resource
 Area @ 660.35 MM cyd For A
 Resource Surplus Through 2058
 - Issue Why Did Staff Recommend Approval For 2 Mines?



Old Corkscrew Plantation Mine MCP DCI2011-00007



Village Report

Councilman Nick Batos

Educational Initiative – Request for Volunteer Ambassadors



Volunteer Application for Ambassador

Joint Educational Advocacy Task Force





Full Name:	Drivers' License#:		
Address:	Gender: 🗆 I	Female 🗆 Male	
City:			
Zip:			
Birth Date:	Email (Optional):		
Emergency Contact:	Home Phone:		
Personal and Reference Information			
Educational Background:			
Occupation or Retired:			
Previous Volunteer/ Mentor Experience: _			

	Mentor	☐ Clerical/Office Assistant	☐ Committe	es (PTA/PTO/SAC)			
	Individual Tutoring	☐ Classroom Assistant	☐ Athletic Programs				
	Small Group Tutoring	☐ Computer Lab	☐ Assisting \	☐ Assisting with Vocational Fields			
	Cafeteria/ Hall Monitor	☐ Special Projects	☐ Judging fo	or Competitions			
	Media Assistant	☐ Public Speaking	☐ Other				
I am most co	mfortable with:	I pre	fer working with:	□ Elementary			
□ Art		I pre	fer working with:	•			
□ Math	☐ Reading ☐ Science			□ Middle			
□ Music	☐ Social Studies			□ High			





IMPROVING THE CORKSCREW / I-75 INTERCHANGE - BOB KING



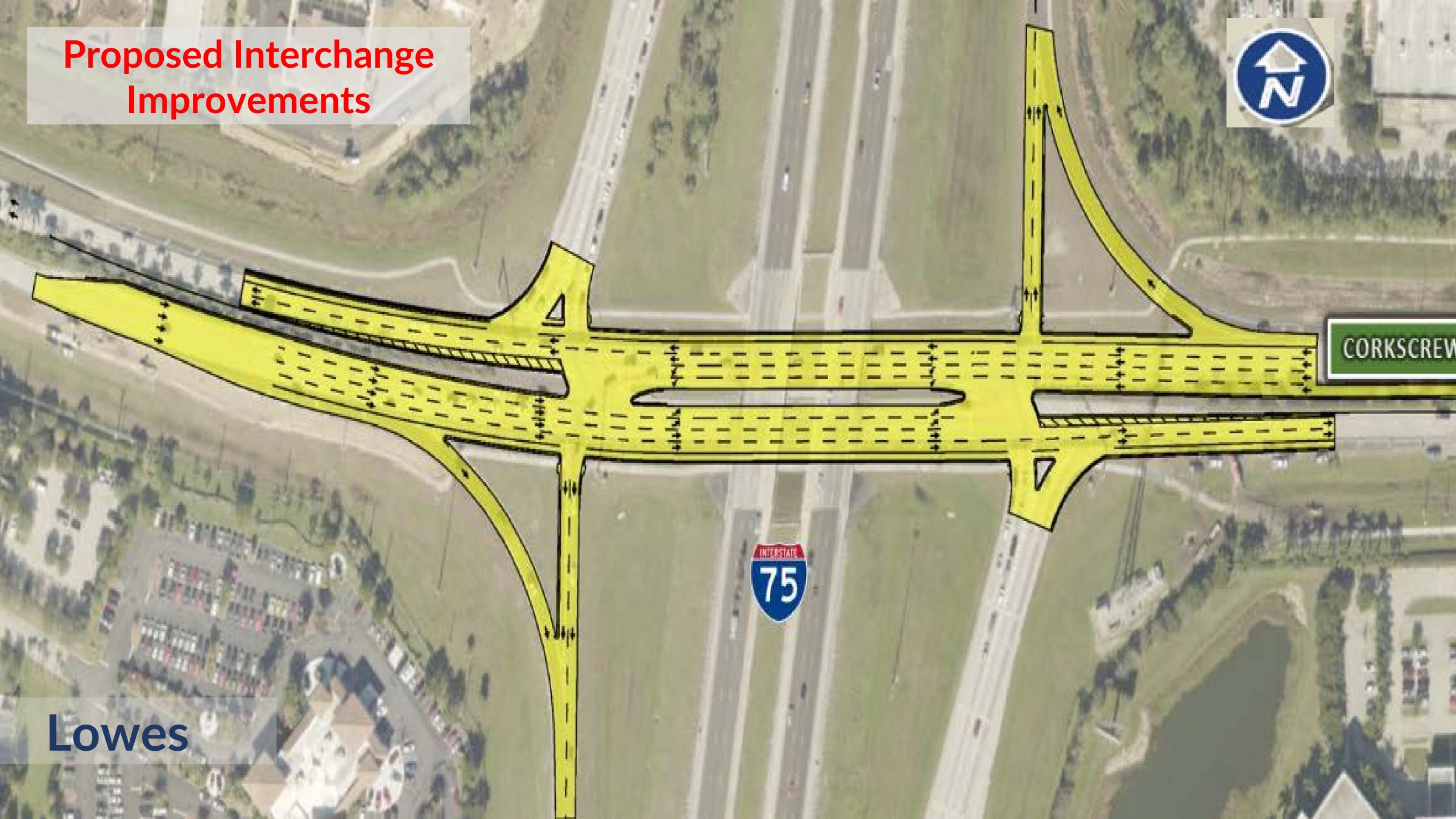


IMPROVING THE CORKSCREW / I-75 INTERCHANGE - BOB KING



I-75 & Corkscrew Road Interchange Improvements

- ► DESIGN PHASE IS ONGOING, ESTIMATED COMPLETION:
- SPRING OF 2019
- PROJECT COST \$12.8 M (INCLUDES IMPROVED HIGH MAST LIGHTING)
- CONSTRUCTION SCHEDULED FOR 2019 LETTING
- ► SAVE THE DATE AUGUST 16TH 5:00 P.M. VILLAGE HALL FDOT TO PRESENT INTERCHANGE IMPROVEMENTS
- http://swflroads.com/i75/corkscrewroadinterchange





VILLAGE OF ESTERO CAPITAL IMPROVEMENT PLAN

FIRST PUBLIC WORKSHOPS WERE HELD JUNE 5TH AND JUNE 7TH.

STAFF PREPARE FIRST READING TO COUNCIL JULY 11. WITH A SECOND READING JULY 25TH



VILLAGE BUDGET & CIP

- COUNCIL APPROVED RESOLUTION 2018-10 TO ADOPT THE CAPITAL IMPROVEMENT PROGRAM
- TRANSPORTATION PROJECTS \$11,099,020 LAND ACQUISITIONS \$26,000,000
- COUNCIL VOTED NOT TO INCREASE MILLAGE RATE
- ► TWO PUBLIC HEARINGS SEP. 5TH AND SEP 20TH BOTH AT 5:30 P.M.
- ► COUNCIL WILL ADOPT MILLAGE RATE AND BUDGET SEP 20TH



COUNTY TRAFFIC STUDY





EEPCO "Overlay" Story

Tasks 6,7,8 - Coming Soon

Task 6 – Transportation Improvement Cost Estimates - Coming Soon

Task 7 – Environmental Support Tasks - Coming Soon

Task 8 – Proportionate Share Analysis/Identification of Potential

Financing Options - Lee County is working to establish the proportionate share of infrastructure-improvement costs that new development within the overlay will pay. This will be an important funding source - one of many - for the infrastructure improvements for this area.





Wild Blue Clears Trees for Main Entrance

ESTERO COUNCIL OF COMMUNITY LEADERS







County Capital Improvement Plan

Workshops set basis for BOCC approval May 15th of

proposed CIP & Budget

Proposed total budget

FY18-19 \$125,472,385

DOT Portion

FY18-19

\$23,101,509

Corkscrew Road Portion



CORKSCREW ROAD IMPROVEMENTS

- Acceleration of improvements to Corkscrew Road
 - Pinewoods Elementary extend right turn from eastbound Corkscrew to Pinewood elementary School
 - The Preserve at Corkscrew Add a southbound turn lane from West Bound Corkscrew .
 - Install electronic speed signs
 - Place electronic signs warning of upcoming traffic signal
- Long-Term Improvements
 - Move four laning to tier one CIP (funded)



County Capital Improvement Plan & Budget

CRITICAL DATES:

AUGUST 21, 2018 3RD AND FINAL DRAFT OF BUDGET

SEPTEMBER 4TH 1ST BUDGET PUBLIC HEARING

SEPTEMBER 18TH FINAL BUDGET PUBLIC HEARING



Next Transportation Committee Meeting:

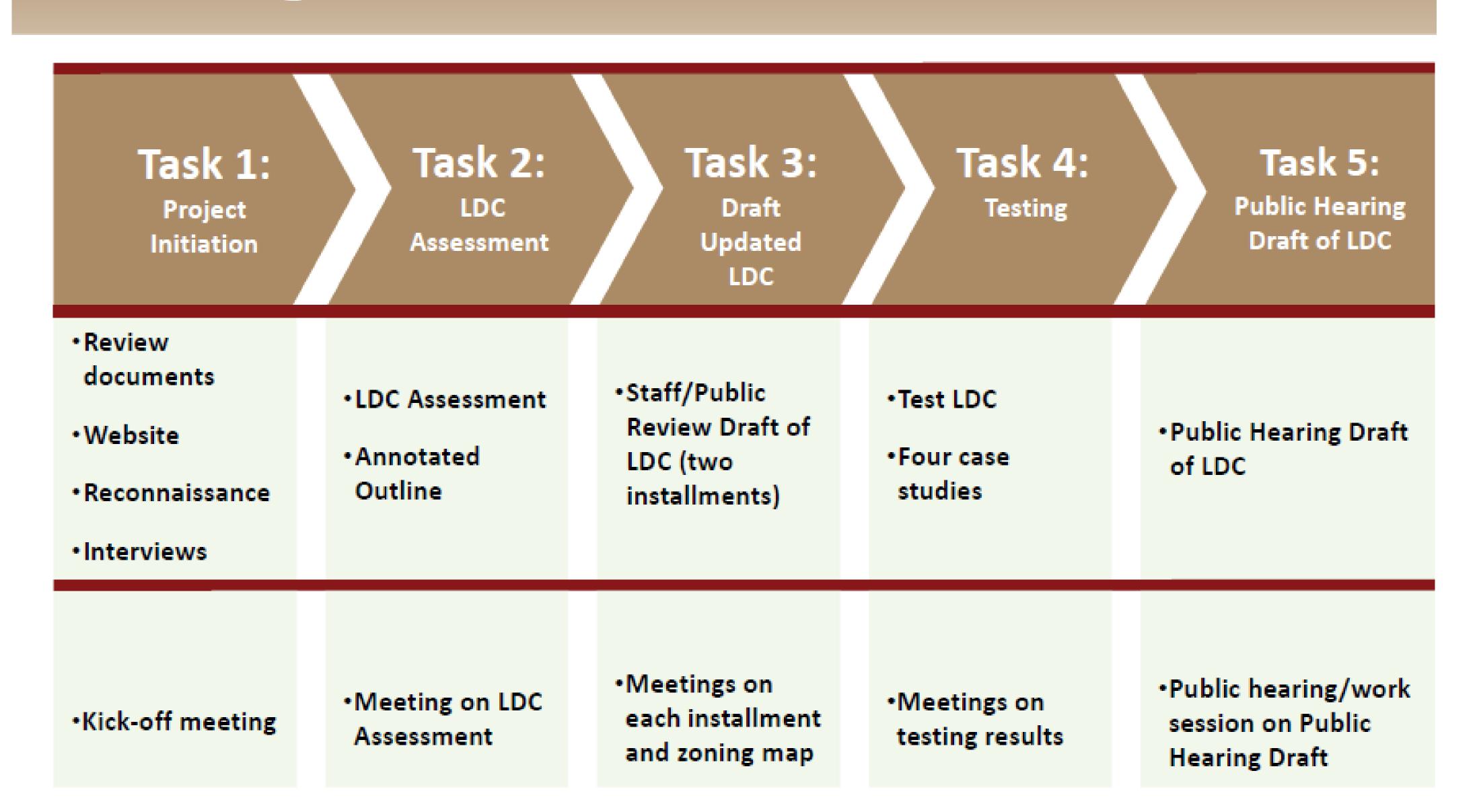
Thursday, August 16, @ 9:30 AM, @ Fine Mark Bank







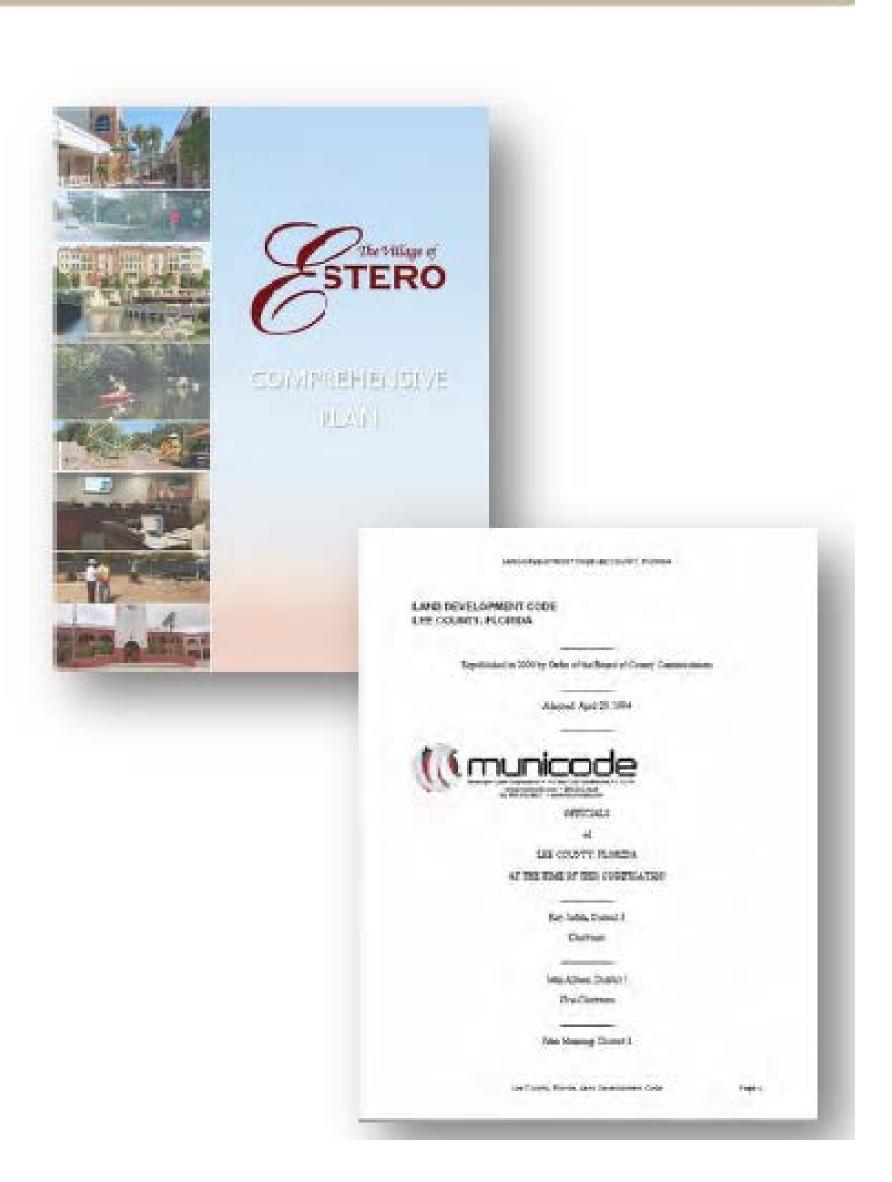
Work Program & Schedule



Thoughts on Project Goals

- 1. Make the Land Development Code (LDC) more User-Friendly
- 2. Modernize the Development Standards

3. Implement the Estero Comprehensive Plan



Public Involvement

Project Web site

- Project information and announcements
- Upcoming meetings
- Work products
- www.esterozoning.org

Opportunities to provide input

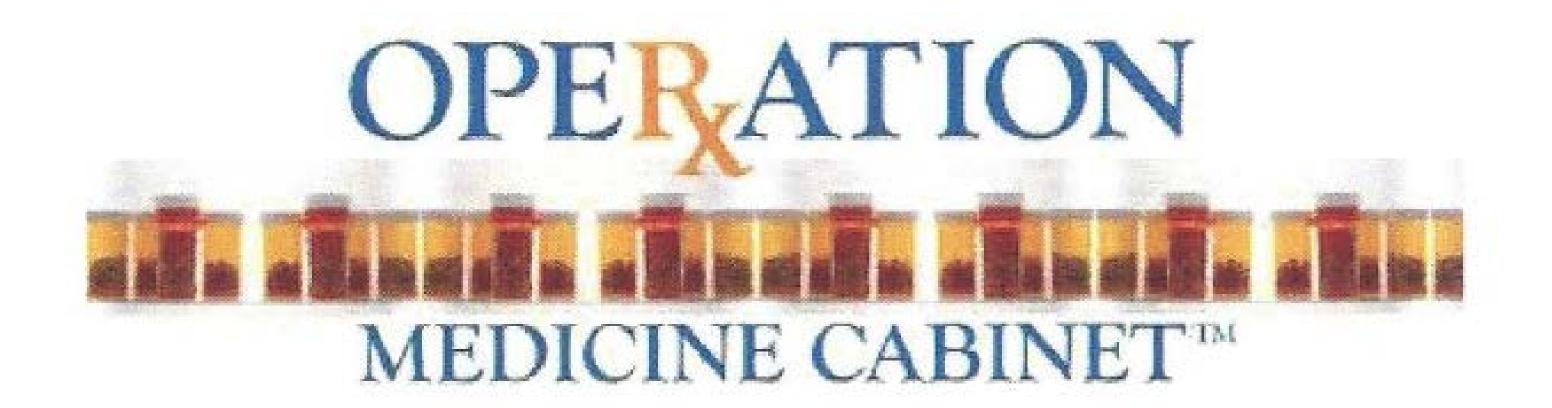
- Kick-off meeting
- Meeting on Code Assessment
- Meetings on individual installments of Public Review Draft of LDC
- Meetings on Testing
- Public Hearing or Meeting on Public
- Meetings on Testing
- Public Hearing or Meeting on Public Hearing Draft











Safely dispose of all unused or expired medications to help protect our community and environment

Secure and Anonymous Lock Boxes Locations

Lee County Sheriff's Office

Drop Off Hours: Monday-Friday, 7:00 a.m. to 5:00 p.m.

Headquarters
14750 Six Mile Cypress Parkway
Fort Myers, FL 33912
(239) 477-1000



North District 121 Pondella Road North Fort Myers, FL 33903 (239) 477-1810

West District 15650 Pine Ridge Road Fort Myers, FL 339008 (239) 477-1830 East District 1301 Homestead Road Lehigh Acres, FL 33936 (239) 477-1820

South District 10520 Reynold Street Bonita Springs, FL 34135 (239) 477-1840

The Cape Coral Police Department

Drop Off Hours: Monday-Friday, 7:00 a.m. to 5:00 p.m.

1100 Cultural Park Boulevard
Cape Coral, FL 33909

(239) 574-3223

The Fort Myers Police Department

Drop Off Hours: Monday-Friday, 7:00 a.m. to 5:00 p.m.
2210 Widman Way
Fort Myers, FL 33901
(239) 321-7700

Walgreens Open 24 Hours

805 Cape Coral Drive East Cape Coral, FL 33904 12749 S. Cleveland Avenue Fort Myers, FL 33907

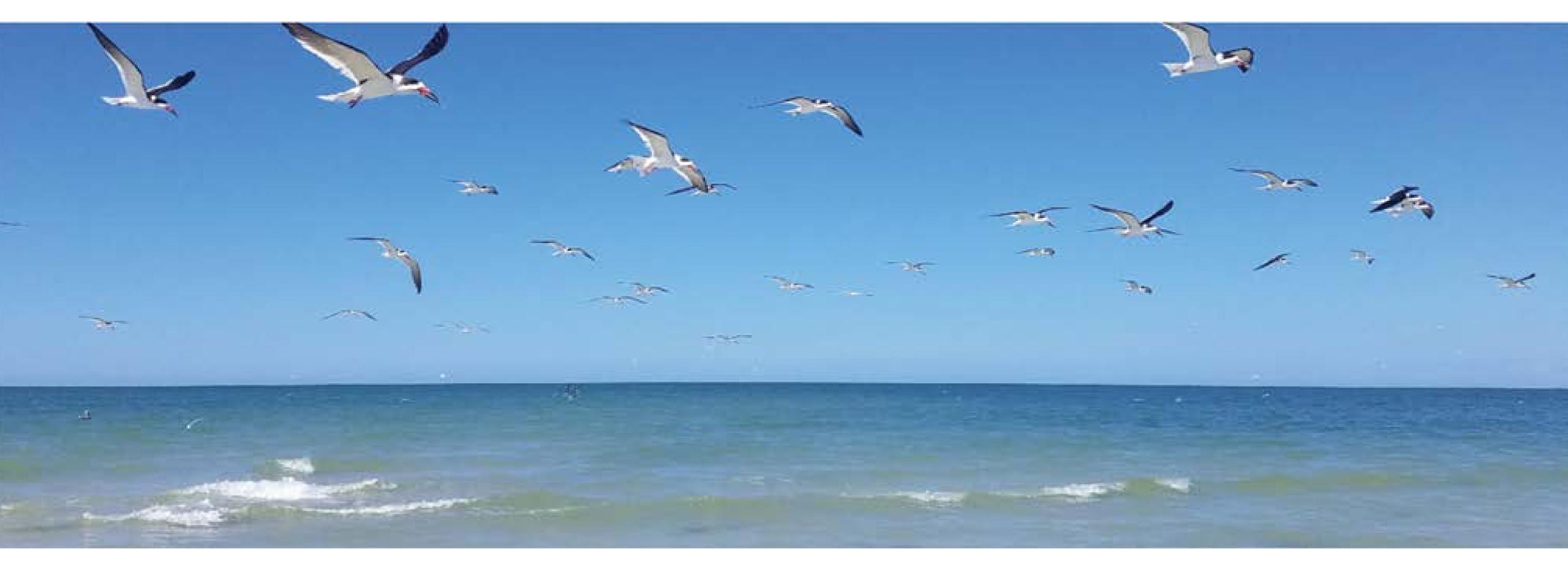


Health Committee

Next Steering Committee Meeting:

Friday, Aug 24, 2:30 PM at Commons Enrichment Center at The Brooks





ENVIRONMENTAL COMMITTEE REPORT - PETE CANGIALOSI

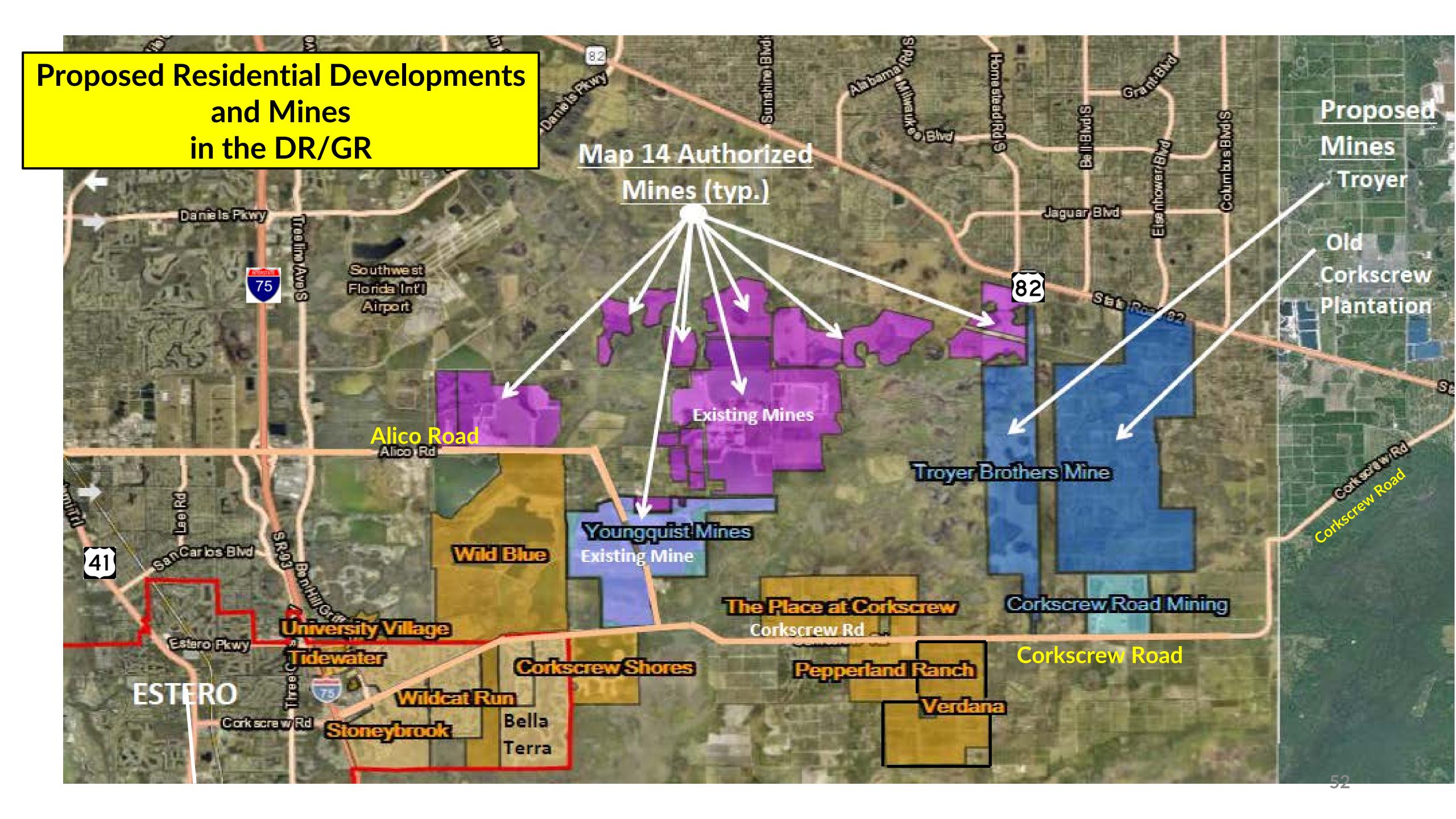


Argo, Corkscrew Crossing

ESTERO COUNCIL OF COMMUNITY LEADERS



- 625 Units
- 396 Acres Total
- 178 Acres
 Developed
- 178 Acres of Wetlands Filled
- 218 Acres
 Preserved
- PZB Sept 18





OLD CORKSCREW PLANTATION MINE

- Zoning Examiner Hearings Closed
- Point of Contention Blasting Buffer Width: County 2,000 ft, Applicant 1,000 ft
- Next: ZEX Hearing Officer Recommendation to Approve or Reject Applicant's Request to Rezone
- Then: BOCC Votes to Accept or Reject Recommendation

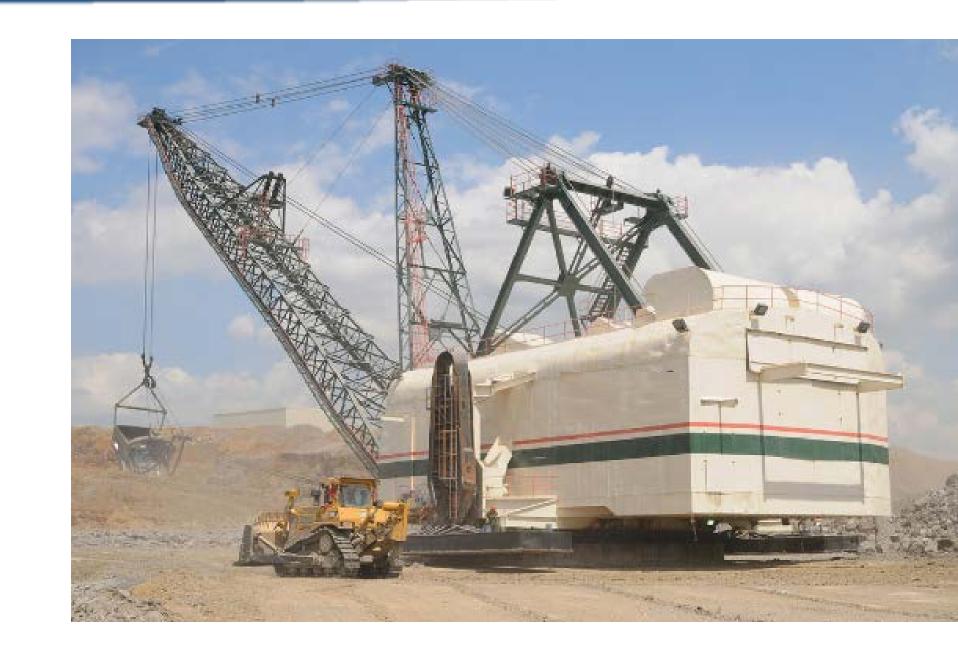




TROYER BROTHERS MINE

Rezoning Hearing:

- Continued to Aug 28, for Applicant Rebuttal Only
- Public's Chance to Speak is Closed.
- Common Hearing Opposition Points, So Far:
 - 1. Mine Not Needed
 - 2. Applicant's Hydrology Info is Suspect
 - 3. County Always Approves Requested Changes to Lee Plan. Should just say "No!"
- Lee County's own Land Development Code (Ch. 34) states "Mining operations, by their very nature, are INCOMPATIBLE with most other uses."





Next Environmental Committee Meeting:

Friday, Aug 31 @ 2:00 PM,

Location: To Be Determined





Estero Education Outreach Council (EOC), Connecting with the Estero Educational Community – Kenny James



EDUCATION OUTREACH COUNCIL



For 2018/2019, EOC is focusing on three primary initiatives:

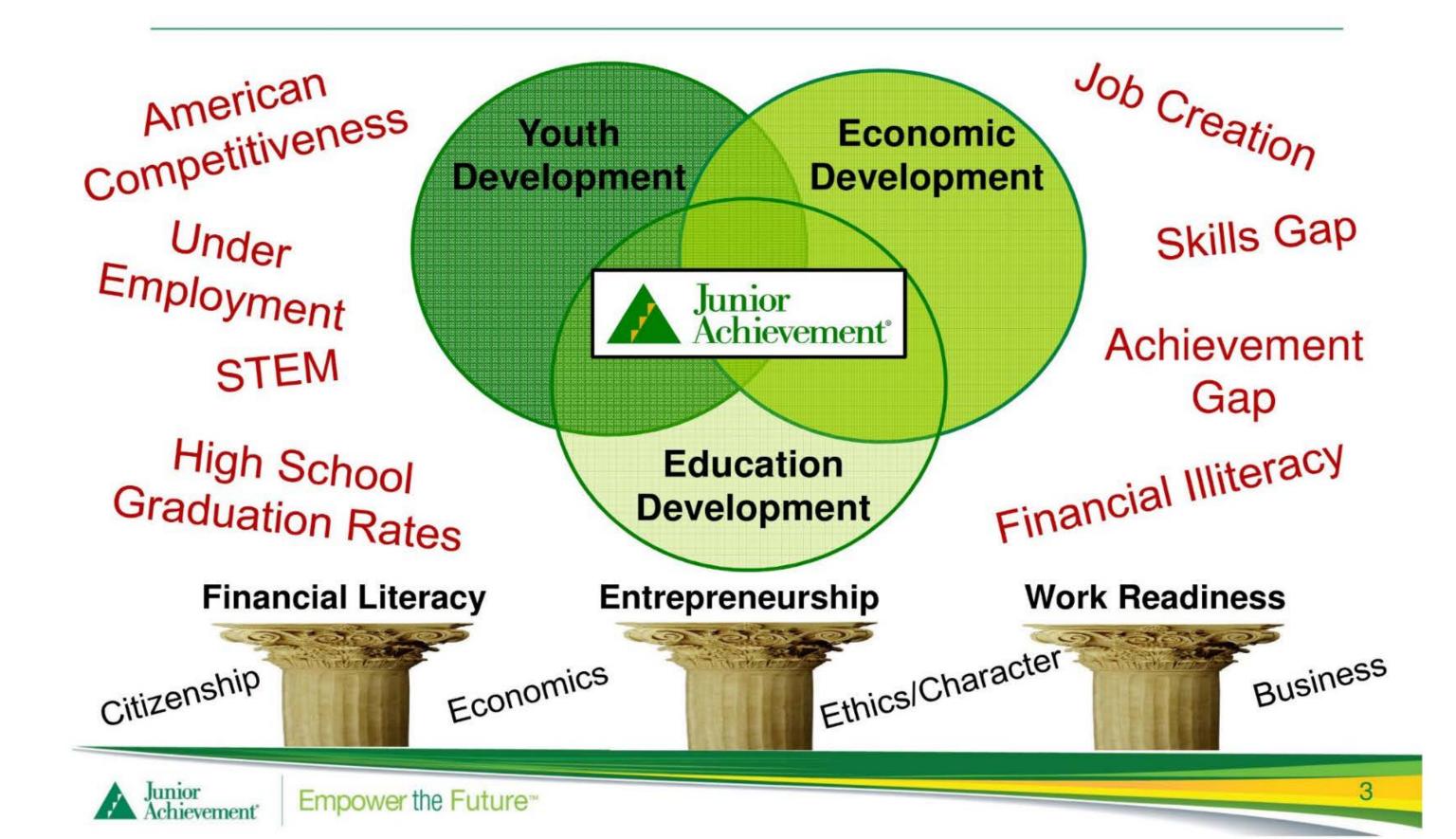
- > Junior Achievement
- Lee County Schools: Elementary & Secondary Student Support
- > FGCU's Institute for Entrepreneurship Support



2*5*8*GRADUATE

ENTREPRENEURSHIP • FINANCIAL LITERACY • WORK READINESS

JUNIOR ACHIEVEMENT OF SOUTHWEST FLORIDA





- The IFE program has been very successful
 - IFE students receiving awards and funding in highly competitive events
 - IFE's desire is to assure quality outcomes for its students and veterans
- Program implementation will be a recipient-driven process
 - Student (or veteran) may select a mentor from the IFE newlyimplemented database
- IFE initiatives will connect with our outreach efforts for volunteer mentors for students and veterans
- We will keep you informed of IFE progress









FINANCIAL - LINDA TECCO-ROACH



SUMMARY FINANCIAL REPORT FOR THE MONTH ENDED JULY 31, 2018



Income

Interest	\$	1
Total Income		1
Expenses Communications, media, and PR Revenue growth investment Insurance Other Total Expenses		044 000 864 90
Excess of Expenses Over Income for July	\$ \$- 2	817
Excess of Expenses over Income for 2018 Cash Balance at July 31, 2018	===	,379
	===	====

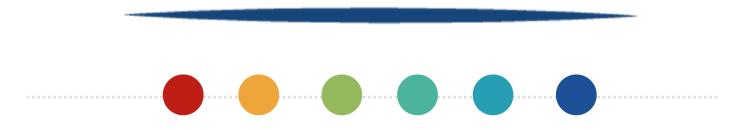
For further details, see the financial statements linked to the agenda or at www.EsteroToday.com

DUES STATUS All communities have paid

their 2018 dues. Thank You.



Adjournment



Next Meeting

Friday, September 14, 2018 10 AM

@ Estero Community Park

