Lake County, Florida
Public Works Department

LAKE COUNTY
FLORIDA

ADDENDUM #1

LAKE COUNTY AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (ARRA) PROJECT

CR 44—FPN # 428521-1-58-01
CR 452—FPN # 428520-1-58-01
CR 48—FPN # 428519-1-58-01
Sleepy Hollow Road—FPN # 428522-1-58-01

Pre-Bid Meeting

Date:
October 21, 2010

Time:
9:00 AM to 9:35 AM

Location:
Lake County Public Works Department
437 Ardice Avenue, Eustis, FL 32726

GENERAL COMMENTS

1. Attendance at this Pre-Bid Meeting is **MANDATORY** for prospective bidders. A list of attendees to this meeting shall be recorded and published by addendum to all document holders. Valid Bid Documents purchased directly from Lake County will only be recognized.

2. Sealed bids for this project shall be received by the Office of Procurement Services, Fourth Floor, Administration Building, Room 416, 315 West Main Street, Tavares, Florida, until 10:00 a.m. on November 18, 2010. A bid will not be considered for award if received in the Procurement Services Office after the official opening date and time regardless of when or how it was received by the Lake County Clerk of the Circuit Court Mail Receiving Center.

3. The County will point out specific conditions which are difficult to describe or show on the Drawings. All questions received prior to or during this meeting that require additional clarification will be covered by an addendum which will be issued following the mandatory pre-bid conference. Deadline for questions will be November 8, 2010 and should be directed to Susan Dugan Lake County Procurement Services (sdugan@lakecountyfl.gov).

4. The contractor will submit proposed project completion date and construction duration (days). Maximum time for completion is as follows:
CR 44 – 90 calendar days
CR 452 – 90 calendar days
CR 48 – 150 calendar days
Sleepy Hollow Road – 90 calendar days

5. **ADDENDA:** Addenda will be to all plan holders who received a complete set of Bidding Documents from Lake County. All Addenda issued during the time of bidding shall form a part of the Contract Documents, shall be covered in the Bid, and shall become a part of the Contract. Receipt of each Addendum shall be acknowledged on the Bid Form W-1; failure to do so may subject the Bidder to disqualification. It shall be the Bidder's responsibility to ensure that they have received all Addenda prior to bid. The County shall not be responsible for non-receipt or untimely receipt of Addenda due to acts of the delivering agency or any other cause.

6. **EXAMINATION OF DOCUMENTS AND INSPECTION OF SITE:** Before submitting a Bid, Bidders shall carefully examine the Bidding Documents and inspect the project site to fully inform themselves of all existing conditions and limitations. Each Bidder, by submitting his Bid, represents that he has so examined the Bidding Documents and inspected the site, that he understands the provisions of the Bidding Documents and that he has familiarized himself with the local conditions under which the work is to be performed. Bidders will not be given extra payment or contract time for conditions which could have been determined by such examinations.

7. This is an **AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (ARRA)** project and may be fully funded by the Federal Highway Administration (FHWA) through the Florida Department of Transportation. This contract is being constructed under the FDOT's over-site as Local Agency Program (LAP) project. As an ARRA project all Federal / FDOT Contract Compliance Requirements (EEO, Wage, DBE, On-the-job Training and ARRA Job Creation Reporting) are part of the contract. **DIVISION I, FEDERAL REQUIREMENTS**, addresses these contract requirements. The Buy America Act is also in effect and will require the awarded contractor to supply certifications and letters for such.

8. **THIS IS A LUMP SUM CONTRACT**. Quantities, if shown, are estimated for bidding and permitting purposes only and shall be verified by the Contractor. Payment for work performed under this contract shall be based on the individual lump sum bids. Bidders shall determine quantities. Space has been provided on page W-2 of the Bidding Documents where the Bidder can list their determined quantities if they choose. Regardless of uncertainties of material supply and production at the time of bidding, Contractors shall base their bids in strict accordance with items, materials and methods as set forth in the Contract Documents. Project limits have been noted in the field using pink paint.

9. **NO PRICE INDEX ADJUSTMENTS OF ANY TYPE OR KIND SHALL BE ALLOWED AS PART OF THIS CONTRACT**.

ADDITIONAL CLARIFICATION

All projects are to start within ten (10) days after NTP is issued.

The anticipated award of the project is at the December 21, 2010 Board of County Commissioners' meeting. The project's anticipated NTP date is January 18, 2011.

Millings are to remain the property of the County and are to be hauled by the contractor to the following locations:

- CR 48: SR-19 Clay Pit 10527 SR-19, Groveland (actually on Allegiance Court).
- CR 44: Umatilla Maintenance Barn, 1927 East Fifth Street, Umatilla.
- CR 452: Umatilla Maintenance Barn, 1927 East Fifth Street, Umatilla.
- Sleepy Hollow Road: Lake County Landfill located near 12385 County Landfill Road, Tavares.

As the width of pavement varies throughout on each project, there is to be no paving over dirt. Asphalt is to be placed over base only.

Driveways are to be constructed to the right-of-way line. Single residential drives shall match existing width and shall be a minimum of 10' in width with an 8' radius or 4' x 8' wedge. Driveways shall not exceed 14% slope.

All disturbed areas shall be sodded to match existing type grass.

MEETING COMMENTS

C1. Awarded Contractor shall perform QC testing and provide a QC plan as required per FDOT Standard Specifications for Road and Bridge Construction, 2010 Edition. There are additional Lake County testing specifications shown in Section J. Please disregard the Testing and Sampling Schedule, Appendix A, shown on sheet J-18 Bidding Documents and see new Appendix A Sheet attached to this addendum.

C2. Normal work hours shall be 7:00 AM to 5:00 PM Monday through Friday. Saturday Work is allowed with prior notice.

C3. Include restriping all side streets that abut mill and resurfacing operations. This should include all stop bars and striping a maximum of 100' of the mainline provided the side street has existing striping.

C4. CR 48 – Cold Mill and Place

- *Include in the bid a cost to either cold mix in place or mill and resurface the CR 48/CR 33 turn lane. This area is shown in the field with pink paint. Should milling be the selected option the milling depth shall be 2 ½" and the asphalt shall be 2 ½" of SP 12.5.*
- *Include in the bid a cost to replace guardrail at the intersection of CR 48 and CR 33 and on CR 48 at the Turnpike. Guardrail should be upgraded to meet current FDOT specifications. Guardrail shall be replaced in accordance with Federal Criteria for 3R Projects contained in the Department's Plans Preparation Manual Section 25.4.2.6.*
- *The location map provided could be misinterpreted. There is no break in construction at the Turnpike; work shall continue to the end of the project.*
- *Cross slope shall be continuous from Roadway Centerline to edge of pavement. Existing super elevation shall remain constant. These transitions will be marked in the field with orange paint.*
- *The road shall be striped for 12' travel lanes and 2' paved shoulders. Note that the existing road width varies throughout. The ultimate roadway shall be 28' wide (12' travel lanes, 2' paved shoulders).*
- *Pavement Markings and RPM's shall be installed per the latest MUTCD Standards.*
- *On sheet W-2, disregard the mention of "Milling" under the CIP Recycling column heading.*
- *The Pavement Evaluation and Condition Data sheet for CR 48 is available and attached to this addendum.*
- *There are concrete driveways that protrude into the existing paved shoulders. Bidders are to be aware of these driveways and the need to remove the concrete before the cold in place recycling operation.*
- *On North Austin Merritt Road and South Quarters Road, bidders are to construct these side streets to the back of radius in the cold in place recycling operation (minimum 15'). As the roads are mostly clay, the existing material shall be removed and replaced with the rubblized material. Bidders shall include the placement of a thermoplastic stop bar for these streets.*

C5. CR 44

- *There are some side streets to be milled and resurfaced from the stop bar to CR 44. All areas are marked in the field with pink paint.*
- *The width of the road varies; therefore, the edge line shall be placed at the edge of pavement.*
- *Include in the bid a cost to replace guardrail at Treasure Island Road. Guardrail should be upgraded to meet the Federal criteria for 3R Projects in the Department's Plans Preparation Manual Section 25.4.2.6.*
- *Striping and RPM's shall be placed according to the latest MUTCD Standards.*
- *The project limits have been marked in the field with pink paint.*
- *The shoulder rehabilitation work is to be performed at all milled locations, including side streets.*
- *The existing culvert at CR 44 and Poe Street shall be cleaned as part of this project.*
- *Attached to this addendum are striping modifications to the existing layout that shall be incorporated into the bid.*

C6. CR 452

- *There are some side streets to be milled and resurfaced from the stop bar to CR 452. All areas are marked in the field with pink paint. There is a Tri-party reimbursement agreement between the County, FDOT, and Florida Central Railroad for the railroad crossing upgrade. The Contractor shall be required to coordinate roadwork scheduling with Florida Central Railroad.*
- *Bidders shall include railroad striping in their bid.*
- *Striping and RPM's shall be placed according to the latest MUTCD Standards.*
- *The project limits have been marked in the field with pink paint.*
- *Attached to this addendum are striping modifications to the existing layout that shall be incorporated into the bid.*

C7. Sleepy Hollow Road

- *There are some side streets to be milled and resurfaced from the stop bar to Sleepy Hollow Road. All areas are marked in the field with pink paint. The areas requiring shoulder rehabilitation shall be marked in the field with orange paint.*
- *There are existing gravel/dirt driveways that will need to be constructed using 6" limerock to the right-of-way line. Single residential drives shall match existing width and shall be a minimum of 10' in width with an 8' radius or 4' x 8' wedge. Driveways shall not exceed 14% slope.*
- *Existing asphalt curbs are to be replaced.*
- *Striping and RPM's shall be placed according to the latest MUTCD Standards.*
- *The project limits have been marked in the field with pink paint.*
- *Portions of this road have an inverted crown section and pavement needs to placed to maintain this invert.*
- *The milling and resurfacing operation shall include all turn lanes with the exception of the northbound right turn lane at Park Hill.*

QUESTIONS of October 21, 2010

Q1 – Coordination with the railroad can sometimes take months. Will this be an issue getting flaggers to the CR 452 site?
A1 – Florida Central Railroad is aware of the upcoming project and scheduling should not be an issue.

Q2 – It was mentioned some shoulders are OK along Sleepy Hollow Road. How will the bidders know?
A2 – Within seven (7) days, PSI/Lake County will paint in the field using orange paint the areas that require rehabilitation.

Q3 – 2' and 1' minimum shoulders have been mentioned on CR 48. Which should be installed?
A3– The road shall be striped for 12' travel lanes and 2' paved shoulders. The width of the roadway varies; the ultimate pavement section shall be 12' travel lane and 2' shoulders.

Q4 – How should sod be placed in regards to asphalt?
A4 – The sod mat should be placed 1" below the finished asphalt grade in accordance with FDOT specifications.

Q5 – Should the existing grade on CR 48 be maintained?
A5 – It is recommended that the existing grade remain the same. The Contractor may raise the roadway elevation providing the roadway drainage is not jeopardized, there are no shoulder drop offs, and there is a smooth transition at the side streets and driveways.

Q6 – Does the maximum completion time stated also include the 30-day cure period for thermoplastic striping ?
A6 – Yes; however, there is the possibility of allowing a 14-day cure period. The 30-day cure period is preferred. All reflectivity testing specifications must be met.

Q7 – Is temporary striping necessary?
A7 – Yes, temporary paint is required on all projects.

Q8 – 2007 specifications are noted, is this correct?
A8 – All projects shall be constructed using the 2010 FDOT specifications.

Q9 – Will cores be taken by independent contractor?
A9 – The Quality Control cores will be required by the Contractor in accordance with FDOT Section 334 of Appendix A (revised sheet J-18 attached to this addendum). The County can require additional samples to be taken if there are discrepancies.

Q10 – There was a thickness requirement question.
A10 – Minimum asphalt thickness requirement shall be enforced in accordance with section J of the contract documents.

Q11 – A portion of the page W-2 of the CR 452 bidding document was cut off.
A11 – A complete W-2 was available as a handout at the pre-bid meeting. This document is also available by visiting the County's ftp site (see "Links to Project Documents" included in this addendum).

Q12 – What are the Engineer's Estimates for the jobs?
A12 – The construction estimates are shown below.

CR 44 is $408,598
CR 452 is $830,229
CR 48 is $2,922,895
Sleepy Hollow Road is $143,187

Q13 – Are there FDOT reporting requirements to be included with each invoice?
A13 – Yes, reporting requirements in accordance with the Contract Documents shall be included with each invoice. There is no LIMS reporting.

Q14 – Slope correction cannot be achieved with a 1" milling requirement. Which is preferred?
A14 – Contractors are to bid to mill and replace 1" asphalt to match existing cross slope.

Question Via Email

October 25, 2010

Q15 – The General Scope requirements for this project state that the contractor shall show proof of (5) similar type projects that have been successfully completed in the State of Florida. Can this requirement be adjusted to show proof of (5) similar type projects that have been successfully completed.
A15 – Because of stipulations within the American Recovery and Reinvestment Act there is no provision for local preference. Therefore, the similar projects need to be similar in materials and operations; however, the projects do not have to be within Florida.

October 27, 2010- CR 48

Q16 – Do you think there could be an exemption for the requirement of a self-propelled paver for the cold in place? There are many machines out there that are self contained, i.e.
http://www.wirtgenamerica.com/us/products/wirtgen/cold-recyclers/index.php?
A16 – A self contained machine is acceptable.

Links to Project Documents

CR-44 – Link to tab sheet
ftp://ftp.co.lake.fl.us/Public_Works/Funding_Production/ARRA%20CR-44/

CR-452 – Link to tab sheet
ftp://ftp.co.lake.fl.us/Public_Works/Funding_Production/ARRA%20CR-452/

CR-48 – Link to tab sheet and core info
ftp://ftp.co.lake.fl.us/Public_Works/Funding_Production/ARRA%20CR-48/

Sleepy Hollow - Link to tab sheet
ftp://ftp.co.lake.fl.us/Public_Works/Funding_Production/ARRA%20Sleepy%20Hollow/

Minutes approved by:

Jeff Johnson
Construction Inspection Manager

Appendix A

TESTING AND SAMPLING SCHEDULE

OPERATION	MATERIAL SPECIFICATION	TESTS	PROJECT REQUIREMENTS	TESTING FREQUENCY
Prime and Tack Coats	FDOT Standard Specifications: 300 Tech. Spec. 02507		Certification	Every Transport
Type Superpave Asphaltic Concrete	FDOT Standard Specifications: 334	Job Mix Formula	Certification	Each mix design or change of aggregates
		Extraction Gradation Analysis		One per each day of production greater than 100 tons
		Field Density	92% of maximum specific gravity	all travel lanes of roadway every 500 feet
		Asphalt	Certification	Every Transport
		Thickness		Core every 500 feet
Concrete	FDOT Standard Specifications: 345, 350, 400, 520, & 522 Tech Spec: 02528,03200, 03250, 033300, 03350, 03370, 03410, & 03600	Compression Strength		One (1) set of cylinders for 10 CY or more per day. Additional set(s) for each 100 CY/day. One (1) set for each class of concrete placed each day.
		Modified Proctor AASHTO T-180, Method D		As needed under sidewalk and driveways.
		Field Density	98% Proctor	Each driveway and every 500 feet sidewalk.
		Each class of concrete used	Certification	Each mix design or change.
Sodding	FDOT Standard Specification for 2007 Edition Section 575, Sodding, and Section 981	Each type of sod used	Certification	The sod shall be free of grassy, invasive / exotic, broadleaf and sedge weeds, diseases, insects and nematodes (of injured populations).

PAVEMENT EVALUATION AND CONDITION DATA SHEET

Project No.:	0761646				Cored By:								Date:	3/29/2010						Page No.:		
County:	Lake				Highway Sect. No: CR 48								From:	CR 33						To:	Sumpter County Line	
Road No.:	NA				Begin M.P.								End M.P.:	NA						Length:	5.5 miles	

Core No.	GPS		Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in)								Crack				Pavt. Cond.	Rut Depth (in)	Cross Slope	Comments
						FC	S III	Type II	Type I	ST	Core Length (in)	Base Type	Base Thick (in)	Depth (in)	Type	Class	Extent				
1	N28.74008	W081.89714	5.00	WB	L	0.00	1.75	2.50	0.00	0.00	4.25	LR	9.5	na				Fair	0.25	3.6	
2	N28.73705	W081.90514	2.00	WB	L	0.00	0.00	2.25	0.75	0.50	3.50	LR	7	na				Fair	0.25	1.9	
3	N28.73345	W081.91202	3.00	WB	L	0.00	0.00	2.00	1.25	0.50	3.75	LR	7	3.75				Poor	0.25	2.2	
4	N28.72801	W081.91824	1.50	WB	L	0.00	0.00	1.75	1.50	0.50	3.75	LR	6	2.5				Fair	0.38	2.6	
5	N28.72319	W081.92310	2.50	WB	L	0.00	1.25	0.75	0.75	0.50	3.25	LR	7	na				Fair	0.25	2.2	
6	N28.71654	W081.92743	2.00	WB	L	0.00	0.00	1.25	1.50	0.50	3.25	LR	6.25	2.75				Poor	0.13	2.6	
7	N28.71016	W081.93140	1.00	WB	L	0.00	2.25	1.50	0.00	0.75	4.50	LR	7	1.75				Poor	0.38	2.2	Crack running directly adjacent to median
8	N28.70289	W081.93584	1.50	WB	L	0.00	2.75	0.00	0.00	0.75	3.50	LR	7	na				Fair	0.50	2.3	
9	N28.69745	W081.93928	1.50	WB	L	0.00	1.50	0.50	1.25	0.50	3.75	LR	7	na				Fair	0.50	3.7	
10	N28.69708	W081.94502	5.50	WB	L	0.50	1.80	1.00	0.00	1.00	4.30	LR	6.25	na				Good	0.25	1.1	Repair patch section
11	N28.68472	W081.95026	6.00	WB	L	0.50	2.25	1.75	0.00	0.50	5.00	LR	6.75	na				Fair	0.25	2.4	
12	N28.68068	W081.95383	5.50	EB	L	0.50	3.25	1.00	0.00	0.50	5.25	LR	7.50	na				Fair	0.25	3.1	
13	N28.68637	W081.94884	7.00	EB	R	0.50	1.25	1.50	0.00	0.50	3.75	LR	6.75	1.5				Fair	0.25	2.8	
14	N28.69209	W081.94386	7.00	EB	R	0.00	1.50	1.50	0.00	0.50	3.50	LR	7.00	1.25				Fair	0.13	4.5	
15	N28.69814	W081.93874	7.50	EB	R	0.25	1.80	1.50	0.00	0.50	4.05	LR	6.50	na				Fair	0.25	2.2	
16	N28.70436	W081.93490	7.00	EB	R	0.50	1.00	2.25	0.00	0.50	4.25	LR	6.25	na				Fair	0.13	2.0	
17	N28.71084	W081.93099	7.50	EB	R	0.25	1.25	3.00	0.00	0.50	5.00	LR	6.25	na				Good	0.13	1.6	
18	N28.71721	W081.92698	8.33	EB	R	0.25	0.00	3.00	0.00	1.25	4.50	LR	6.00	2.8				Poor	0.25	1.8	
19	N28.72345	W081.92287	6.75	EB	R	0.50	0.00	2.25	1.50	1.75	6.00	LR	6.00	2.5				Fair	0.13	3.3	
20	N28.72895	W081.91717	7.33	EB	R	0.00	0.00	4.00	0.00	0.50	4.50	LR	6.50	na				Poor	1.13	1.2	
21	N28.73433	W081.891089	7.50	EB	R	0.25	2.00	0.00	1.25	0.50	4.00	LR	6.00	na				Poor	1.00	5.5	
22	N28.73754	W081.90386	8.00	EB	R	0.00	0.00	2.80	1.50	0.50	4.80	LR	5.50	na				Fair	0.13	1.8	

Remarks:

From: Poe St

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
123 N. SINCLAIR AVE.
TAVARES, FLORIDA 32778
(352) 253-4944

JOB CR44- To .1mi West of N. Silver Lake Rd
SHEET NO. 1 OF 1
CALCULATED BY Denis Dietz DATE 10/29/09
Speed Limit : 55 MPH
CL, EL, RPM. 11,638'

W

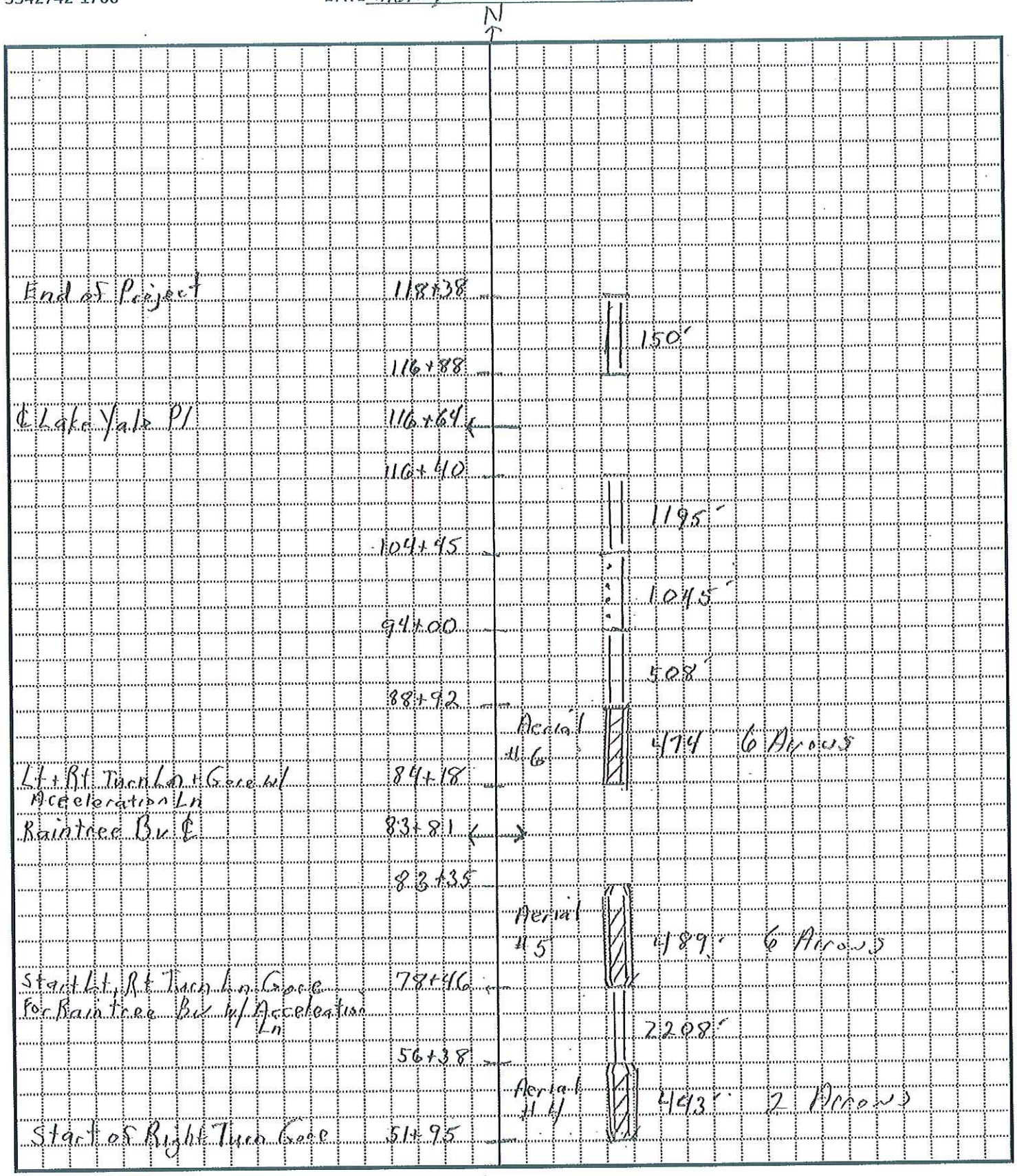
Start of Turn Lane Gore New Pavement	116+95		
	112+55		
CL N. Silver Lake Rd	111+94		
	111+49		
		2235'	
	89+14		
CL Spring Ct	88+84		
	88+54		
		1490'	
	73+64		
		983'	
	63+81		
		964'	
	54+17		
CL Treasure Island Rd	53+16		Change
	52+70		
		945'	945'
	43+25		
			2017'
		2517'	500'
	18+08		
CL E. Treasure Is. Rd	17+70		
	17+31		
			500'
		1608'	608'
			500'
	1+23		
CL Poe St.	0+51		
Change in pavement	0+00		

LAKE COUNTY TRAFFIC OPERATIONS
28127 CR 561
TAVARES, FL 32778
3542742-1766

JOB CR452 Seg 1 .1mi N of CR44 to .1mi S of Fish Camp Rd
SHEET 1 OF 2
CHECKED BY Denis Dietz
DATE 11/6/09

N

℄ Lake Landing Rd	51+44		
	51+00	Aerial 3	480' 3 Arrows
Start of Left turn Gore	46+20		46+20
		517'	517'
	41+03		41+03
		439'	439
	36+64		36+64
℄ North Country Rd	38+40		
	38+18		38+18
		500'	168'
	33+18		36+50
		653'	985'
	26+65		26+65
		148'	
	25+17		
℄ Yale Retreat Rd	24+90		
	24+40		
		344'	
	20+96		
		Aerial #2	366' 6 Arrows
Start Rt + Lt turn Lane Gore	17+30		
℄ Paradise Dr	16+93		℄ Southern Palm Rd.
	16+39		
		Aerial #1	345' 4 Arrows
Start of left turn Gore	12+94		
		1294'	
.1mi N. of CR44 New Pavement	0+00		

LAKE COUNTY TRAFFIC OPERATIONS
28127 CR 561
TAVARES, FL 32778
3542742-1766

JOB CR 452 Segt. .1mi N of CR 44 to .1mi South of Fish Camp Rd
SHEET 2 OF 2
CHECKED BY Denis Dietz
DATE 11/6/09