

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW07  CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2200 DIRECT MAKEY AND HOLD.  ADDITIONAL FLIGHT DATA: CHART FAS OBST: 619 TREE 315123N/0860329W CHART: ASR/PAR. CHART A-211. DISTANCE TO THLD FROM 248 HAT: 0.67 NM. CHART VDP AT 1.42 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 82006 REFERENCE PATH ID: W07A CHART CIRCLING ICON. LTP HAE: 89.4 M					
MAKEY (IF/IAF)		UCASI (FB)		073.40 / 7.01				1900							
UCASI (FAF)		OWFEB/2.20 NM TO RW07 (FB)		073.47 / 2.43											
OWFEB/2.20 NM TO RW07		RW07 (MAP) (FO)		073.47 / 2.20											
RW07 (MAP)		1300 MSL		073.47				1300							
1300 MSL		MAKEY (FO)						2200							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W MAKEY, LT, 073.40 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC: 073.47 FAF: UCASI DIST FAF TO MAP: 4.63 THLD: 4.63 4. MIN. ALT: MAKEY 2200, UCASI 1900, OWFEB/2.20 NM TO RW07 1120* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: UCASI 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.0 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 4W EPOCH YEAR: 2015					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	637	7/8	248	637	7/8	248	637	7/8	248	637	7/8	248			
LNAV/VNAV DA	702	1 1/8	313	702	1 1/8	313	702	1 1/8	313	702	1 1/8	313			
LNAV MDA	880	1	491	880	1	491	880	1 3/8	491	880	1 3/8	491			
CIRCLING	1000	1	603	1000	1	603	1300	2 3/4	903	1380	3	983			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (20F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MONTGOMERY RGNL (DANNELLY FIELD) ALTIMETER SETTING.															
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 1000-2 3/4, CAT D 1000-3															
QUALITY 14 CHECKED															
(CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 397 TDZE: 389		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 3						SUP:			
TROY, AL		AIRPORT NAME:		TROY MUNI AIRPORT AT N KENNETH CAMPBELL FIELD								AMDT: 2			
												DATED 05/29/2014			

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div>CONCURRENT</div>	
COORDINATED WITH: <div><div>ATA<input type="checkbox"/></div><div>AAT<input type="checkbox"/></div><div>ALPA<input checked="" type="checkbox"/></div><div>APA<input type="checkbox"/></div><div>AOPA<input checked="" type="checkbox"/></div><div>NBAA<input checked="" type="checkbox"/></div><div>OTHER (specify) ZTL, ZJX, OZR APP CON, KTOI ATCT, ARPT MGR</div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
KELLY DEAN				AJV-5411	03/29/2016
APPROVED BY					
NAME:				FIFO	DATE:
MARLON J. ROBINSON				AJV-5410	
CHANGES: 1. MAKEY TO UCASI INTERMEDIATE COURSE/DISTANCE CHANGED FROM 073.35/7.00 TO 073.40/7.01. 2. FINAL COURSE CHANGED FROM 073.45 TO 073.47. 3. TCH CHANGED FROM 44.2 TO 44.0. 4. LPV DA CHANGED FROM 629 TO 637. 5. LPV VIS CHANGED FROM 3/4 TO 7/8. 6. LNAV/VNAV DA/HAT CHANGED FROM 865/499 TO 702/313. 7. LNAV/VNAV VIS CHANGED FROM 1 5/8 TO 1 1/8. 8. LNAV HAT CHANGED FROM 499 TO 491. 9. HOLD-IN-LIEU COURSE CHANGED FROM 073.45 TO 073.40. 10. UPDATED BACKUP ALTIMETER SETTING NOTE. 11. UPDATED FAS DATA RESULTING IN CRC REMAINDER CHANGING. 12. CHANGED THRE TO TDZE.					
REASONS: 1. RWY ALIGNMENT CHANGED DUE TO NEW SURVEY; AUTOMATION REQUIRED 7.01 TO BUILD SEGMENT. 2. RWY ALIGNMENT CHANGED DUE TO NEW SURVEY. 3. CHANGED TO MATCH ILS FOLLOWING NEW SURVEY. 4. APPLIED TDZE INSTEAD OF THRE. 5. DIST FROM MAP TO THLD. 6. NEW CONTROLLING OBSTACLE. 7. CORRESPOND WITH RAISING DA. 8. APPLIED TDZE INSTEAD OF THRE. 9. UPDATED INTERMEDIATE TO ALIGN WITH NEW FINAL COURSE. 10. APPLY NEW 8260.19G FORMATTING FOR NOTES. 11. LTP AND FPAP COORDINATES CHANGED. 12. AFS DIRECTIVE TO REVERT BACK TO TDZE.					
EFFECTIVE CONCURRENT WITH: KTOI ILS OR LOC RWY 7, AMDT 11					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY RGNL (DANNELLY FIELD)

ALTIMETER SETTING AND INCREASE LPV DA TO 737 AND ALL VISIBILITIES 3/8 SM, INCREASE LNAV/VNAV DA

TO 802 AND ALL VISIBILITIES 1/4 SM, AND INCREASE ALL MDA 100 FEET; INCREASE LNAV CATS C/D

VISIBILITY 3/8 SM; AND INCREASE CIRCLING CAT C VISIBILITY 1/4 SM.

CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	343/30 CW 163/30 (NOPT)	MAKEY (IF/IAF) (FB)	2200
2.	163/30 CW 343/30	MAKEY (IAF) (FO)	3500

QUALITY  
14  
CHECKED

CITY AND STATE

TROY, AL

ELEVATION: 397

TDZE: 389

AIRPORT NAME:

TROY MUNI AIRPORT AT N KENNETH  
CAMPBELL FIELD

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 3

SUP:

AMDT: 2

DATED: 05/29/2014

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA                      AAT                      ALPA                      APA                      AOPA                      NBAA                      OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOI
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	315126.3160N
LTP/FTP LONGITUDE	0860135.1275W
LTP/FTP ELLIPSOIDAL HEIGHT	+00894
FPAP LATITUDE	315157.5605N
FPAP LONGITUDE	0855957.1215W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

BBCB0CCA

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01160
FPAP ORTHOMETRIC HEIGHT	+01160

QUALITY  
14  
CHECKED

CITY AND STATE  TROY, AL	ELEVATION: 397 AIRPORT NAME:  TROY MUNI AIRPORT AT N KENNETH CAMPBELL FIELD	TDZE: 389	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 7, AMDT 3	SUP:
					AMDT: 2
					DATED: 05/29/2014

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div> <div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33**

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ARINC SUMMARY - KTOI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
MAKEY	010	MAKEY	HF	FO		073.4			L			AA 02200		EE A
	010	MAKEY	IF	FB								AA 02200		E I
	020	UCASI	TF	FB	1.0	073.4						AA 01900		E F
	021	OWFEB	TF	FB	0.3	073.5		3.00				AA 01120 GS 01125		E S
	030	RW07	TF	FO	0.3	073.5		3.00				AT 00425		GY M
	040		CA	FB		073.5						AA 01300		M
	050	MAKEY	DF	FO					R			AA 02200		EY
	060	MAKEY	HM	FO		073.4			L			AA 02200		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MAKEY	N314720.66	W0861422.74
OWFEB	N315039.99	W0860400.29
UCASI	N314948.71	W0860640.76

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW07	N315126.32	W0860135.13	00381	44

QUALITY  
14  
CHECKED

CITY AND STATE <b>TROY, AL</b>	ELEVATION: <b>397</b> <b>TDZE: 389</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 3</b>	SUP:
	AIRPORT NAME: <b>TROY MUNI AIRPORT AT N KENNETH CAMPBELL FIELD</b>			AMDT: <b>2</b>
				DATED: <b>05/29/2014</b>

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					



## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.		
STRAIGHT-IN AREA		343/30 CW 163/30	MAKEY	1. TOWER (01-000182)	313317.00N/0862332.00W	1118 (4D)	1000		2200		
				2. TERRAIN	315618.00N/0861854.00W	637 (600)		AS1500	2100		
STRAIGHT-IN AREA		163/30 CW 343/30	MAKEY	3. TOWER (01-000630)	315829.00N/0860944.00W	2467 (5D)	1000		3500		
				4. TERRAIN	315557.00N/0860509.00W	676 (700)		AS1500	2200		
INTERMEDIATE		MAKEY (IF/IAF)	UCASI	5. TOWER (01-003087)	314842.80N/0860847.64W	810 (2C)	500	AT590	1900		
				6. TERRAIN	315048.00N/0860836.00W	571 (600)		AS1000	1600		
FINAL: LPV		UCASI	RW07				ASC	MA48	637/248		
FINAL: LNAV/VNAV		UCASI	RW07	7. TREE (KTOIT001124)	315151.84N/0860145.78W	533 (1A)	161		702/313		
FINAL: LNAV		UCASI	OWFEB/2.20 NM TO RW07	8. AAO	315039.00N/0860551.00W	765 (2D)	250	RA100 DG5	1120		
FINAL: LNAV STEPDOWN		OWFEB/2.20 NM TO RW07	RW07	9. TREE	315122.93N/0860328.95W	619 (2C)	250		880		
2. HOLD-IN-LIEU-OF-PT		MAKEY	P-5	10. TOWER (01-001571)	315027.32N/0861644.86W	817 (2C)	1000	AT383	2200		
				11. TERRAIN	315151.00N/0861730.00W	565 (600)		AS1500	2100		
3. MISSED APPROACH	MAP:	DA / DA / RW07	MAKEY	12. TREE (KTOIT000154)	315129.96N/0860149.37W	478 (1A)	ASC		2200		
	ELEV:	443/611/780		13. TOWER (01-001048)	314826.00N/0855937.00W	1019 (5D)	1000		2100		
				14. TERRAIN	315227.00N/0860733.00W	637 (600)		AS1500	2100		
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	603	15. TOWER (01-002288)	315255.02N/0855956.67W	640 (1D)	300	AC50	1000
CATEGORY B	1.5 NM		450		603	15. TOWER (01-002288)	315255.02N/0855956.67W	640 (1D)	300	AC50	1000
CATEGORY C	1.7 NM		450		903	16. TOWER (01-001583)	314838.80N/0860127.70W	992 (2C)	300		1300
CATEGORY D	2.3 NM		550		983	13. TOWER (01-001048)	314826.00N/0855937.00W	1019 (5D)	300	AC50	1380
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAID:							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
CITY AND STATE		ELEVATION: 397			FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
TROY, AL		AIRPORT NAME: TROY MUNI AIRPORT AT N KENNETH CAMPBELL FIELD			RNAV		RNAV (GPS) RWY 7, AMDT 3		ASO 14		

QUALITY  
14  
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																					
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.																
ZTL ARTCC OZR APP CON TOI TOWER							N W S		OTHER: ASOS			SOURCE:KTOI / KMGM					VGSI DATA: 3.00/43.9														
							F A A					DISTANCE: 0 / 32.77																			
							A / C					HOURS REMOTE OPERATION: 24 / YES																			
SATISFACTORY ON:																															
X		V H F		X		U H F				H F		LOCATION: KTOI					ADJUSTMENT: 0 / 100														
4. MONITOR STATUS		PRIMARY NAVAID:																													
		MONITOR POINT:																													
		HRS OPTN:		CAT 1																											
				CAT 3																											
5. APPROACH & RUNWAY LIGHTING				ALS																											
				(S) SALS																											
				MAL S																											
				HIRL																											
		X		MIRL 07 (PCL), 25 (PCL) MIRLNSTD 14 (PCL), 32 (PCL)																											
				REIL																											
				TDZ																											
				C/LINE																											
		X		OTHER (SPECIFY) VASI-4R 25 (PCL) PAPI-4L 07 (PCL)																											
6. RUNWAY MARKINGS				BASIC																											
				ALL WEATHER				PIR-F 07, 25																							
				INSTRUMENT				NPI-G 14, 32																							
7. RUNWAY VISUAL RANGE				APPROACH																											
				MIDFIELD																											
				ROLL OUT																											
8. GLIDE PATH				GP ANGLE: 3.00								ELEV RWY THRESHOLD:380.7																			
				DISTANCE FROM RWY:								ELEV GP ANTENNA:																			
												THRESHOLD CROSSING HEIGHT:44.0																			
9. FINAL APPROACH COURSE AIMING						X		RUNWAY THRESHOLD										FT. FROM THRESHOLD													
						X		ON CENTERLINE										FT. FROM CENTERLINE													
10. WAIVERS: NONE																															
PART D - PREPARED BY:										DATE:																					
KELLY DEAN										03/29/2016																					
TITLE:										OFFICE:																					
AERONAUTICAL INFORMATION SPECIALIST										AJV-5411																					

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.  
CAT A: 1.30NM  
CAT B: 1.82NM  
CAT C: 2.86NM  
CAT D: 3.73NM

RASS PRESSURE PATTERNS SAME  
KTOI 397.2, KMGM 221.1  
RA = 99.94.  
KTOI IS ON SERVICE A.

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2011-2015)  
CRITICAL TEMPERATURES:  
DESCENT RATE: STANDARD TEMP 959 HIGH TEMP 1119.  
CRITICAL LOW :-7C (+20F)  
CRITICAL HIGH :+54C (+130F)  
ACT :-7C  
APT ISA :+14.21C  
CRITICAL LOW TEMP BASED ON ACT.

SEE ATTACHED AIRSPACE LETTER.  
ADDITIONAL AIRSPACE REQUIRED. REQUIREMENT PROVIDED ON PREVIOUS AMDT BUT NOT ACQUIRED BY AIRSPACE OFFICE.  
FAILURE TO ACQUIRE 700 FT TRANSITION AREA RESULTS IN 300 FT BUFFER NOT BEING APPLIED. INTERMEDIATE UTILIZES 1000 FT OF AIRSPACE. FPT AND ATC NOTIFIED OF REQUIREMENT.

VEGETATION HEIGHT 100 FEET.

RWY 14 (20:1) PENETRATIONS:  
405 BUSH (KTOIT000369) 315156.60N/0860056.19W (2.74)  
404 GRD (KTOIT000370) 315157.77N/0860054.44W (1.57)  
408 BUSH (KTOIT000373) 315156.59N/0860057.91W (1.31)  
408 BUSH (KTOIT000374) 315158.83N/0860054.50W (1.15)  
411 BUSH (KTOIT000377) 315158.26N/0860056.86W (0.31)  
446 TREE (KTOIT000413) 315201.10N/0860103.55W (6.48)  
498 TREE (KTOIT000454) 315209.13N/0860103.93W (25.14)  
505 TREE (KTOIT000466) 315211.36N/0860103.69W (23.78)  
514 TREE (KTOIT000480) 315213.02N/0860104.21W (24.74)  
536 TREE (KTOIT000515) 315212.86N/0860113.73W (22.64)  
532 TREE (KTOIT000516) 315212.31N/0860114.80W (18.08)  
521 TREE (KTOIT000519) 315214.15N/0860112.85W (4.73)  
536 TREE (KTOIT000522) 315212.99N/0860115.19W (18.32)  
546 TREE (KTOIT000535) 315219.65N/0860108.26W (19.50)  
539 TREE (KTOIT000551) 315220.64N/0860110.93W (1.57)

RWY32 (20:1) PENETRATIONS:  
417 TREE (KTOIT000715) 315106.35N/0860008.86W (2.55)  
415 TREE (KTOIT000716) 315104.99N/0860010.95W (0.50)  
421 TREE (KTOIT000719) 315103.49N/0860012.61W (4.77)  
430 TREE (KTOIT000721) 315103.13N/0860011.73W (10.04)  
431 TREE (KTOIT000724) 315102.55N/0860011.99W (9.37)  
430 TREE (KTOIT000732) 315101.19N/0860011.58W (1.83)

OBSTACLE INFORMATION FORWARDED TO FPT.

QUALITY  
14  
CHECKED