

OBSTRUCTION DATA SHEET

**ODS 5684
TRI-CITY AIRPORT
PARSONS, KANSAS**

DIGITIZED FROM

**OC 5684
SURVEYED NOVEMBER 1989
5TH EDITION**



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

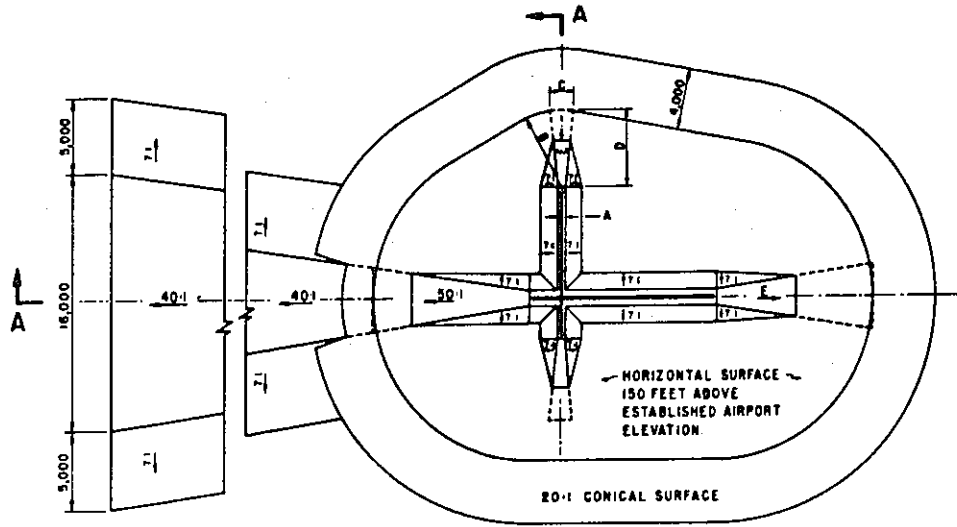
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
- PIR Precision instrument runway
- SUPLC ... Supplemental C underlying a B(V)

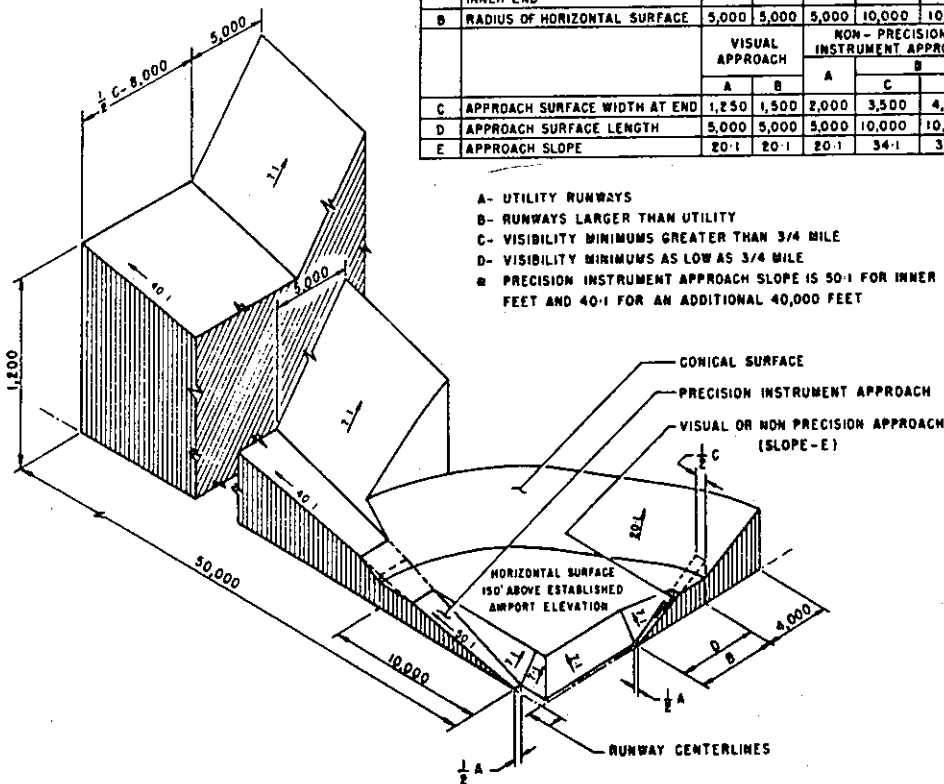
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- E- PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

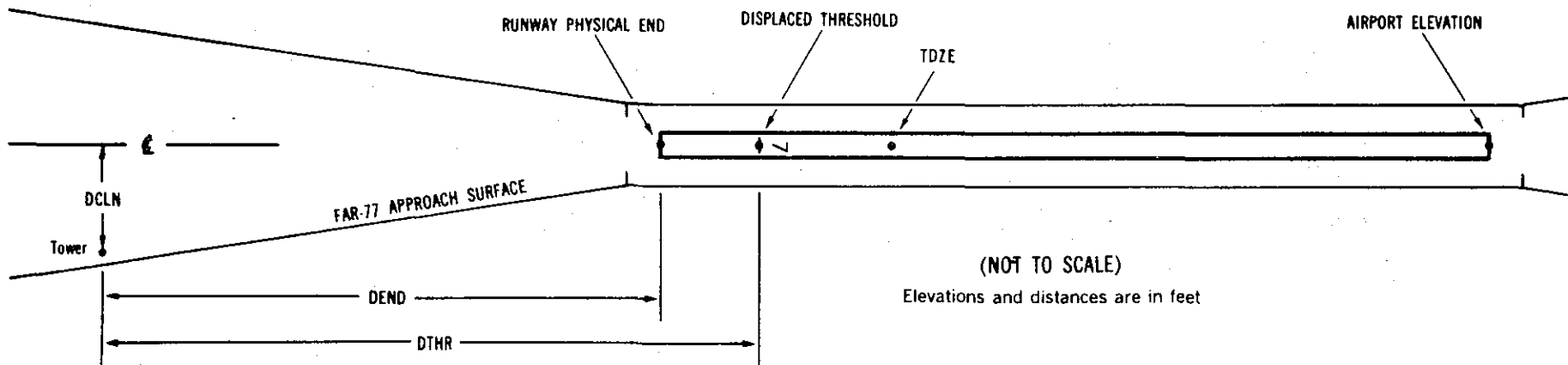
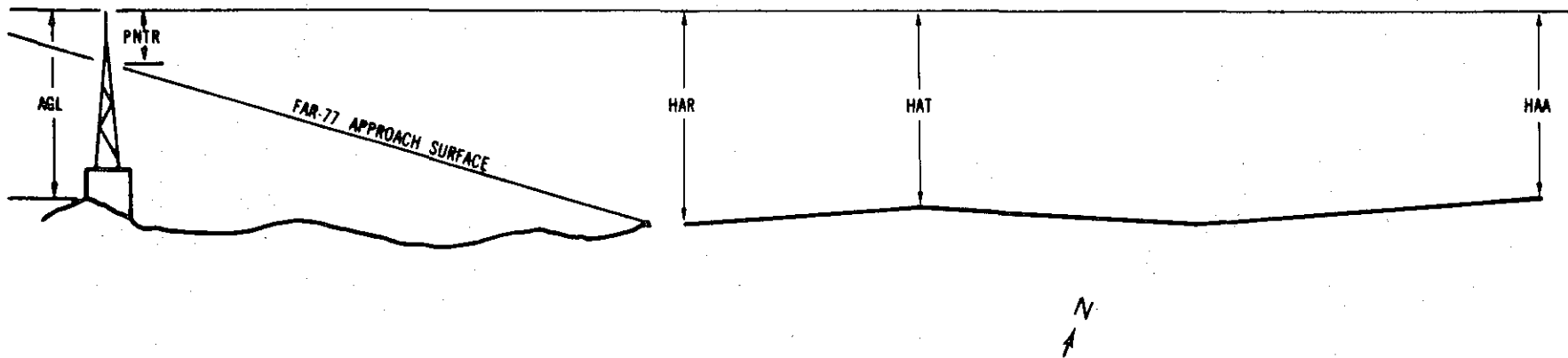
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x ¹	x ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.XXX ⁷				
OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



EXPLANATION OF FOOTNOTES

- ¹ Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- ² For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- ³ Reference runway approach physical end elevation/touchdown zone elevation
- ⁴ Latitude and longitude of reference runway approach physical end
- ⁵ Reference runway geodetic azimuth reckoned clockwise from south
- ⁶ Reference runway displaced threshold elevation/touchdown zone elevation
- ⁷ Latitude and longitude of reference runway displaced threshold
- ⁸ Accuracy Code:
- | | Horizontal | Vertical |
|---|------------|----------|
| 1 | = 20 | A = 2 |
| 2 | = 40 | B = 5 |
| | | C = 20 |
- ⁹ Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- ¹⁰ Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ± 10 feet.
- ¹¹ HAA - Height above airport
 HAR - Height above reference runway approach physical end
 HAT - Height above reference runway touchdown zone elevation
- ¹² DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.
- A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.
- ¹³ PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 899

4 A(V) 864/887 371943.593N 0953056.143W 2243730

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	371950.42	0953050.09	1A	896		32	9	-3	-835		137L	24
BUSH	371942.43	0953059.79	1A	873		9	-14	-26	291		128L	4
TREE	371939.62	0953059.16	1A	876		12	-11	-23	458		109R	-1
ROAD (N)	371933.08	0953109.04	1A	871		7	-16	-28	1488		6R	-57

22 A(V) 895/895 372011.783N 0953021.297W 0443752

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	371950.42	0953050.09	1A	896		1	1	-3	-3172		137R	24
TREE	372016.06	0953016.13	1A	919		24	24	20	601		7R	4
TREE	372016.99	0953015.99	1A	925		30	30	26	676		65R	6
TREE	372018.06	0953013.52	1A	928		33	33	29	894		1L	-2
TREE	372023.40	0953006.81	1A	960		65	65	61	1658		7L	-8
TREE	372027.47	0953004.41	1A	963		68	68	64	2087		144R	-26

13 A(NP) 892/892 372007.704N 0953056.337W 3143843

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	372009.37	0953101.51	1A	909		17	17	10	416		174R	6
TREE	372011.38	0953059.19	1A	911		19	19	12	425		103L	8
TREE	372013.15	0953108.78	1A	924		32	32	25	1103		314R	-13
POLE	372022.00	0953109.99	1A	931		39	39	32	1801		254L	-41

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AIRPORT ELEVATION 899

31 A(V) 867/881 371939.870N 0953021.051W 1343904

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	371935.76	0953017.96	1A	877		10	-4	-22	470		120L	-3
TREE	371937.03	0953015.18	1A	892		25	11	-7	539		129R	8
TREE	371936.11	0953012.32	1A	896		29	15	-3	769		225R	1
TREE	371928.81	0953010.36	1A	908		41	27	9	1400		189L	-19
POLE	371928.83	0953002.33	1A	903		36	22	4	1860		268R	-47
TREE	371923.94	0953001.82	1A	923		56	42	24	2237		54L	-46

17 C 899/899 372015.461N 0953021.503W 3593803

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	371926.51	0953018.00	1A	880		-19	-19	-19	-4953		251L	16
TREE	371935.76	0953017.96	1A	877		-22	-22	-22	-4017		261L	12
ROAD (N)	372022.53	0953021.48	1A	924		25	25	25	715		7L	10
TREE	372037.30	0953019.83	1A	971		72	72	72	2208		149L	13

35 C 865/872 371919.234N 0953021.054W 1793804

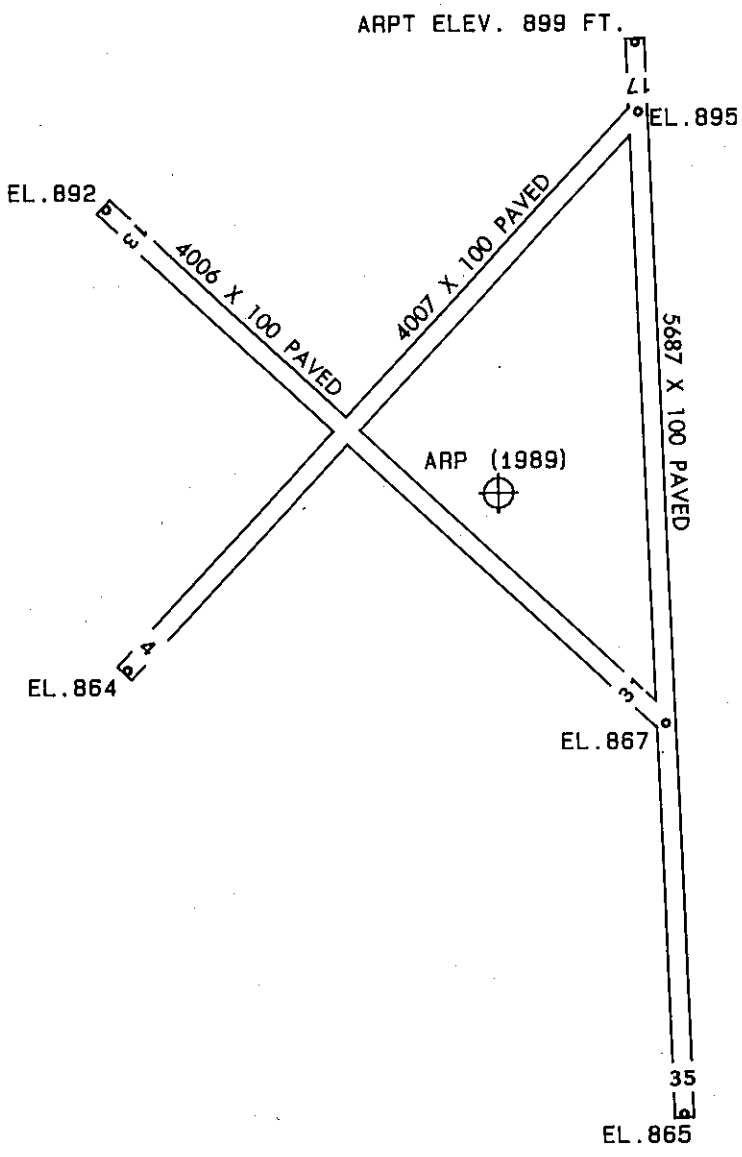
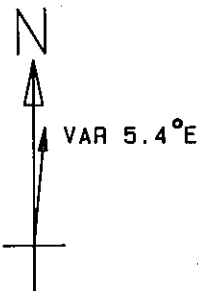
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	371935.76	0953017.96	1A	877		12	5	-22	-1670		261R	12
TREE	371926.51	0953018.00	1A	880		15	8	-19	-734		251R	16
TREE	371910.83	0953024.31	1A	904		39	32	5	849		268L	20
TREE	371910.84	0953022.23	1A	891		26	19	-8	849		100L	7

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AIRPORT ELEVATION 899

ARP 371952.255N 0953031.472W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
TREE	371952.43	0953048.31	1A	901		2	265	20	1360
TREE	371949.61	0953051.31	1A	902		3	255	6	1624
LIGHTED WINDSOCK	372011.20	0953030.07	1A	922		23	357	59	1920
TREE	371933.37	0953025.34	1A	897		-2	160	4	1974
TREE	372007.15	0953014.81	1A	940		41	36	22	2020
TREE	371946.88	0953056.48	1A	896		-3	249	32	2092
TREE	372009.70	0953017.05	1A	916		17	28	2	2115
TREE	372009.98	0953015.22	1A	940		41	30	48	2222
TREE	371936.70	0953009.33	1A	915		16	125	56	2381
ANEMOMETER ON POLE	372017.75	0953029.06	1A	957		58	358	55	2586
OL ON AIRPORT BEACON	372018.45	0953030.97	1A	959		60	355	29	2650
TREE	371926.32	0953024.96	1A	900		1	163	16	2675
TREE	371923.79	0953025.05	1A	902		3	164	23	2926
TREE	372008.09	0953102.68	1A	913		14	297	2	2986
TREE	371925.09	0953016.22	1A	900		1	150	27	3011
TREE	371920.90	0953025.24	1A	884		-15	165	35	3211
TREE	371921.87	0953016.89	1A	893		-6	153	37	3292
TREE	372009.52	0953106.10	1A	920		21	296	35	3297
TREE	371934.08	0952956.90	1A	946		47	117	58	3343
TREE	371918.22	0953016.74	1A	882		-17	155	32	3642
TREE	371916.52	0953025.30	1A	886		-13	166	45	3648
TREE	372024.34	0952958.76	1A	954		55	33	45	4184
TREE	371910.81	0953025.79	1A	905		6	168	21	4216
VENT ON STANDPIPE	372005.89	0952902.86	1B	1037		138	73	41	7288
TREE	372009.80	0952855.29	1B	1037		138	71	44	7968
POLE	372021.02	0952839.79	1B	1041		142	66	43	9478
TREE	372036.43	0952822.98	1B	1056		157	61	18	11298



TOUCHDOWN ZONE RUNWAY ELEVATION	
4	887
22	895
13	892
31	881
17	899
35	872

TRI-CITY AIRPORT
 PARSONS, KANSAS
 (NOT TO SCALE)