

PAVEMENT MANAGEMENT IMPLEMENTATION



PMS GOALS AND OBJECTIVES

The overall goal and objective of PMS is to provide a **tool** to facilitate the pavement preservation decision making process.

PMS GOALS AND OBJECTIVES

This PMS **tool** will:

1. Provide information on existing condition for the State Highway Network to Districts.(Digital images and CURRENT CONDITIONS/TREATMENTS LIST)

PMS GOALS AND OBJECTIVES

This PMS **tool** will:

2. Provide recommendations for the right treatments, to the right roads, at the right time. (CURRENT CONDITIONS/TREATMENTS LIST and PRIORITY LIST) .

PMS GOALS AND OBJECTIVES

This PMS **tool** will:

3. Make program and budget recommendations to the Department Directors.

PMS GOALS AND OBJECTIVES

This PMS **tool** will:

4. Provide feed back on the performance of "Experimental" or "New" treatments.

PMS

ACTIVITIES/ACCOMPLISHMENTS

- **Input Data**
- Hardware/Software Development
- Output Implementation/Generate Reports

PMS

ACTIVITIES/ACCOMPLISHMENTS

Input Data

- Collected pavement management condition data in 1995, 1998, and 2001

PMS

ACTIVITIES/ACCOMPLISHMENTS

- Input Data
- Hardware/Software Development
- Output Implementation/Generate Reports

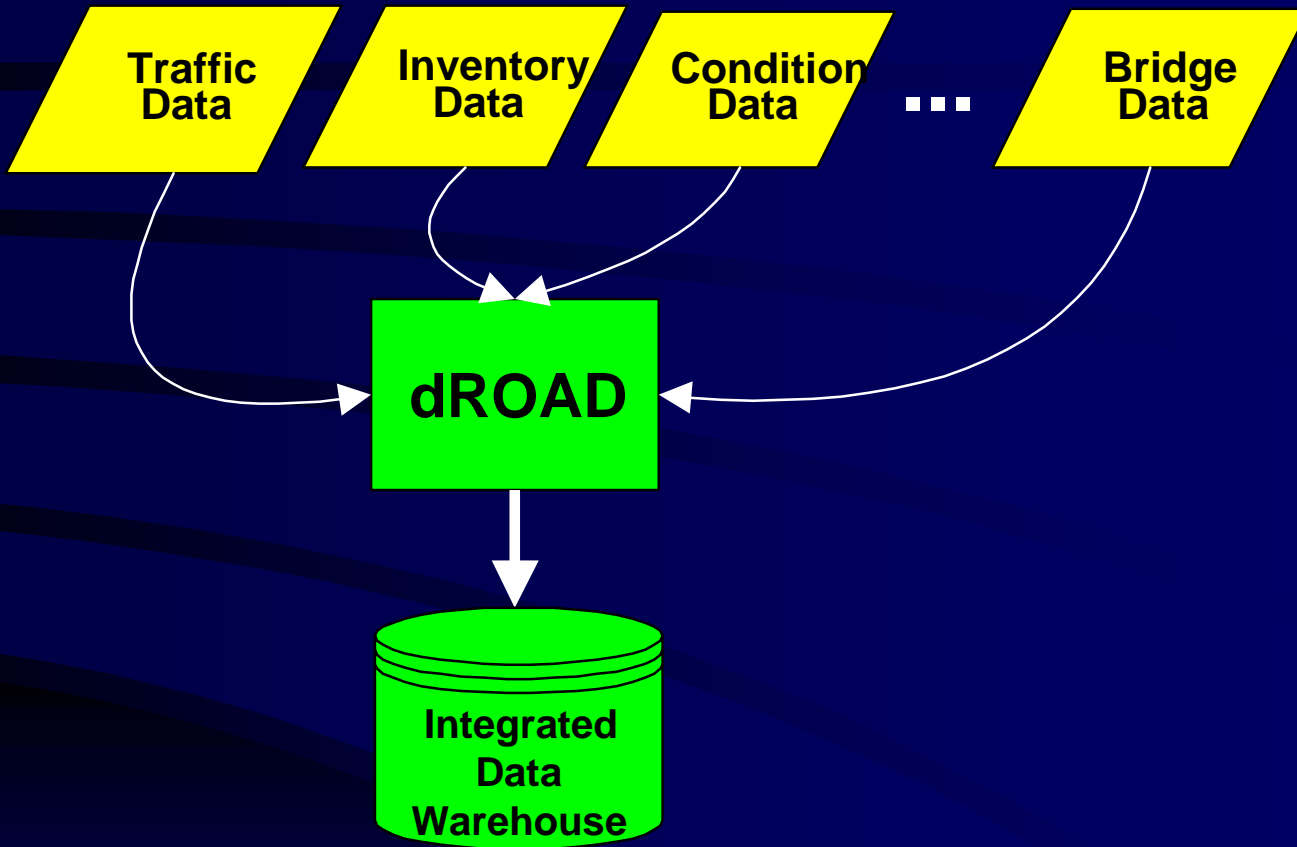
PMS

ACTIVITIES/ACCOMPLISHMENTS

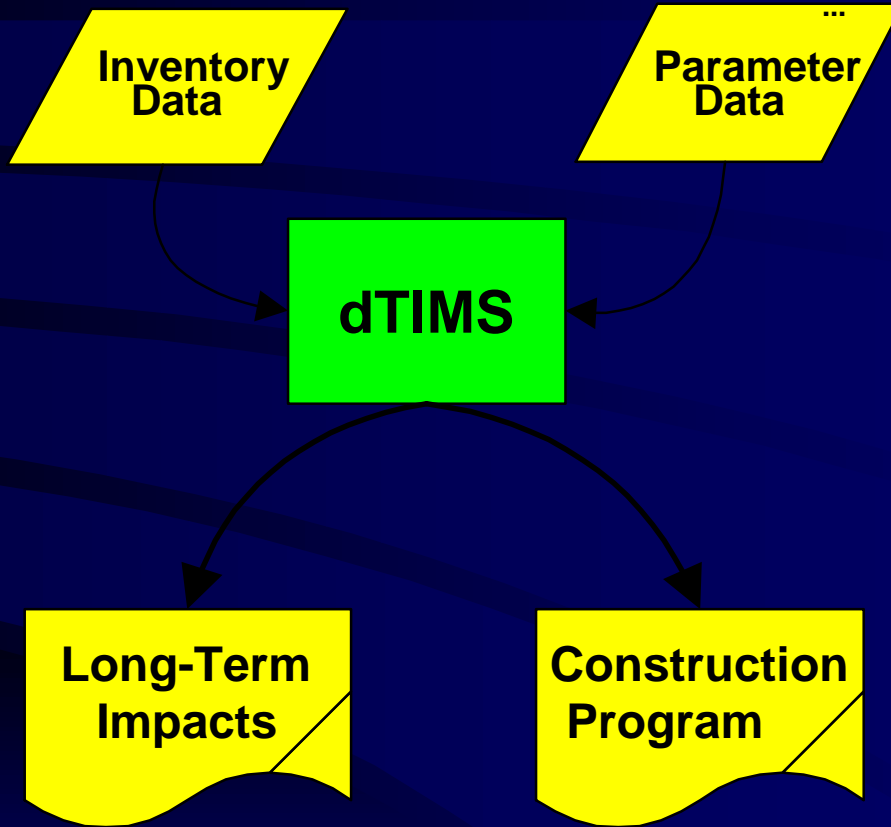
Hardware/Software Development

- Acquired licenses for two(2) pieces of software "dROAD" and "dTIMS", that are used to store and analyze the huge PMS database.
- Distributed copies of dROAD to each District and trained District personnel on the use of the software.

dROAD



dTIMS



PMS

ACTIVITIES/ACCOMPLISHMENTS

Hardware/Software Development

- Developed PMS Database structure, with Performance curves, Treatments, Deduct tables, Triggers, Resets, and Costs.

DEDUCT TABLE

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ALLIGATOR CRACKING DEDUCTS						
	EXTENT (SQ. FT.)					
SEVERITY	0-51	51-701	701-1301	1301-2401	2401-9999.99	
LOW	0	16	21	25	28	
MED	0	21	29	36	49	
HIGH	0	29	43	50	61	

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PATCHING DEDUCTS (FOR FLEXIBLE AND COMPOSITE)						
	EXTENT (SQ. FT.)					
SEVERITY	0-31	31-81	81-151	151-251	251-501	501-9999.99
LOW	0	2	21	23	27	30
MED	0	4	23	27	31	41
HIGH	0	11	27	30	47	65

PATCHING DEDUCTS (FOR JCP AND CRC)						
	EXTENT (SQ. FT.)					
SEVERITY	0-31	31-81	81-151	151-251	251-501	501-9999.99
LOW	0	2	6	12	15	20
MED	0	4	11	31	40	45
HIGH	0	11	20	35	47	65

RANDOM CRACKING DEDUCTS (FOR FLEXIBLE)						
	EXTENT (LIN FT.)					
SEVERITY	0-31	31-301	301-1601	1601-5001	5001-9999.99	
LOW	0	3	16	18	20	
MED	0	16	21	30	30	
HIGH	0	26	28	42	48	

DEDUCT TABLE

≥- <

ALLIGATOR CRACKING DEDUCTS					
	EXTENT (SQ. FT.)				
SEVERITY	0-51	51-701	701-1301	1301-2401	2401-9999.99
LOW	0	16	21	25	28
MED	0	21	29	36	49
HIGH	0	29	43	50	61

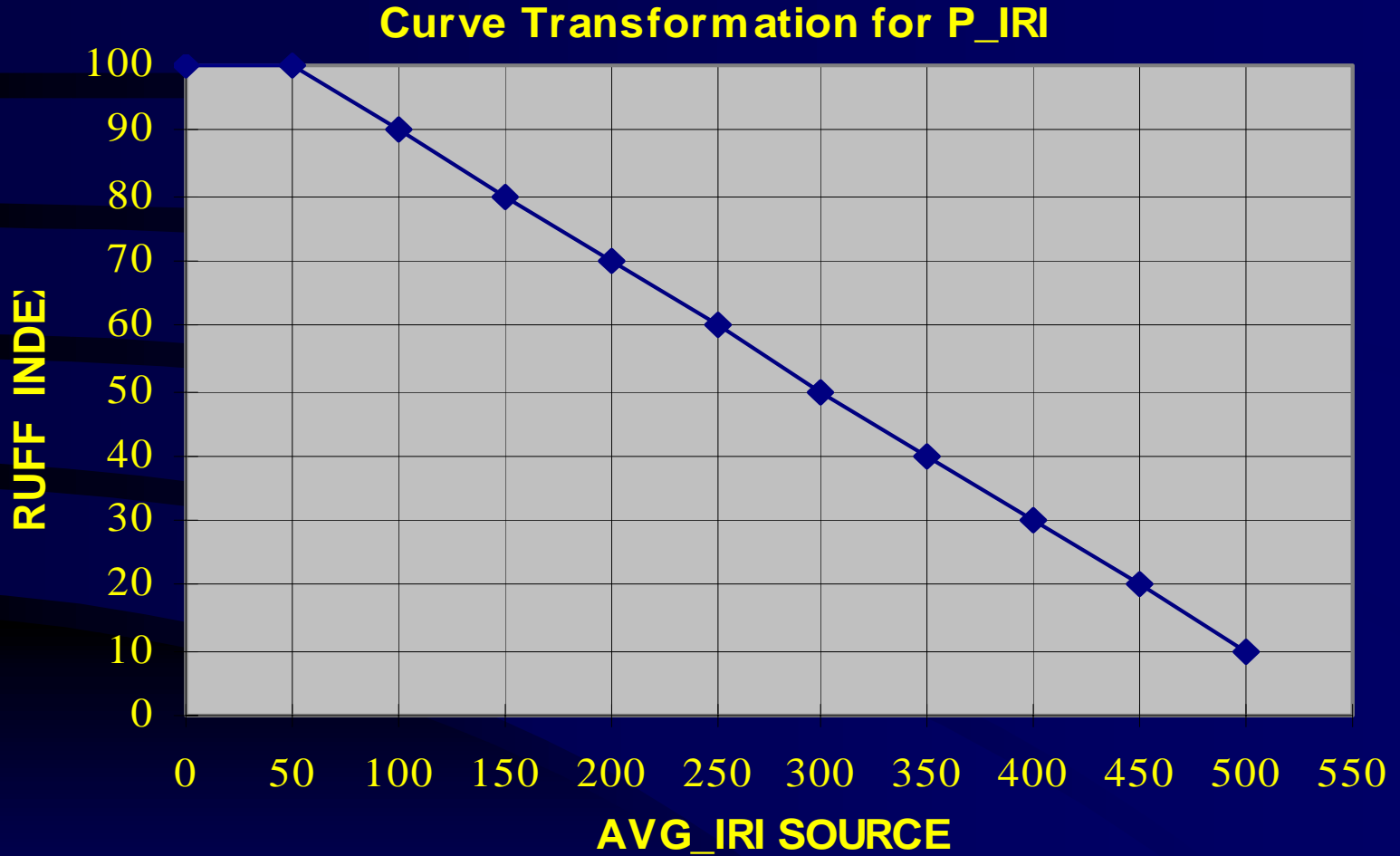


PATCHING DEDUCTS (FOR FLEXIBLE AND COMPOSITE)						
	EXTENT (SQ. FT.)					
SEVERITY	0-31	31-81	81-151	151-251	251-501	501-9999.99
LOW	0	2	21	23	27	30
MED	0	4	23	27	31	41
HIGH	0	11	27	30	47	65

PATCHING DEDUCTS (FOR JCP AND CRC)						
	EXTENT (SQ. FT.)					
SEVERITY	0-31	31-81	81-151	151-251	251-501	501-9999.99
LOW	0	2	6	12	15	20
MED	0	4	11	31	40	45
HIGH	0	11	20	35	47	65





RANDOM CRACKING DEDUCTS (FOR FLEXIBLE)					
	EXTENT (LIN FT.)				
SEVERITY	0-31	31-301	301-1601	1601-5001	5001-9999.99
LOW	0	3	16	18	20
MED	0	16	21	30	30
HIGH	0	26	28	42	48

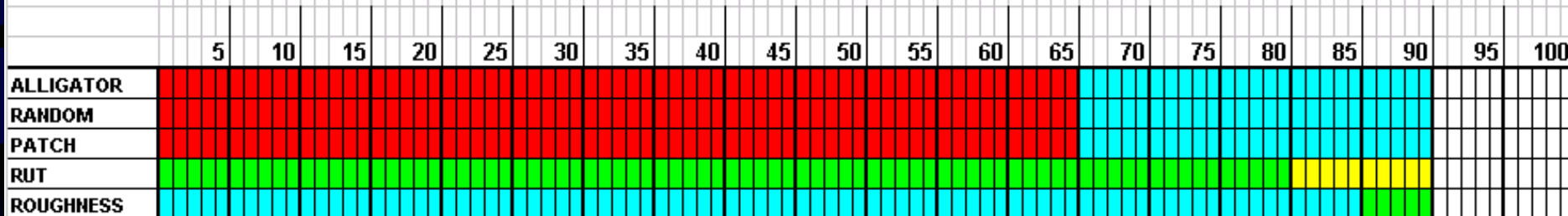
CURVE TRANSFORMATION






TRIGGER TABLE

COMPOSITE INTERSTATE TREATMENTS

T_C_MS_I	Micro Surfacing		(ALCK>=98.AND.RNDM>=95.AND.PTCH>=98.AND.RUT>=80.AND.RUFF>=90).AND.(RUT<90)
T_C_TO_I	Thin Overlay		(RUFF<90.OR.RUT<80).AND. (ALCK>=90.AND.RNDM>=90.AND.PTCH>=90.AND.RUFF>=85)
T_C_MO_I	Medium Overlay		(ALCK<90.OR.RNDM<90.OR.PTCH<90.OR.RUFF<85).AND. (ALCK>=65.AND.RNDM>=65.AND.PTCH>=65)
T_C_ST_I	Structural Treatment		(ALCK<65.OR.RNDM<65.OR.PTCH<65)



COMPOSITE ARTERIAL TREATMENTS (Curb)

T_C_MS_A	Micro Surfacing		(ALCK>=95.AND.RNDM>=95.AND.PTCH>=95.AND.RUT>=65.AND.RUFF>=80).AND.(RUT<80)
T_C_TO_AC	Thin Overlay		(ALCK<90.OR.RNDM<90.OR.PTCH<90.OR.RUT<65.OR.RUFF<80).AND. (ALCK>=65.AND.RNDM>=65.AND.PTCH>=65)
T_C_SO_AC	Structural Overlay		(ALCK<65.OR.RNDM<65.OR.PTCH<65)

PMS

ACTIVITIES/ACCOMPLISHMENTS

- Input Data
- Hardware/Software Development
- Output Implementation/Generate Reports

PMS

ACTIVITIES/ACCOMPLISHMENTS

Output Implementation

- Issued annual recommended project lists for each District and yearly condition data.

CURRENT CONDITIONS/TREATMENTS

CURRENT CONDITION/TREATMENTS DISTRICT 61

CONTROL	DIRECTION	BEG_LOG	LENGTH	RESET	RUFF	RUT	ALCK	LGCK	TRCK	RNDM	PTCH	PERF_INDEX
00502	1	0.00	0.69	NONE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
US0090	BRIDGE	DO NOTHING		COMMENTS								
00502	1	0.69	2.90	NONE	75	59	91	N/A	N/A	87	100	70
US0090	ASPHALT	MEDIUM OVERLAY		COMMENTS								
00705	1	0.00	1.83	NONE	94	100	100	N/A	N/A	99	100	97
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	1	1.83	0.54	NONE	96	100	100	N/A	N/A	100	100	98
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	1	2.37	2.51	NONE	93	100	100	N/A	N/A	99	100	96
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	1	4.88	3.95	NONE	98	100	99	N/A	N/A	100	100	99
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	2	0.00	1.83	NONE	97	100	100	N/A	N/A	97	100	97
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	2	1.83	0.54	NONE	97	100	100	N/A	N/A	98	100	98
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	2	2.37	2.51	NONE	96	100	100	N/A	N/A	99	100	98
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00705	2	4.88	3.95	NONE	98	100	100	N/A	N/A	99	100	99
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00706	1	0.00	5.45	NONE	99	100	99	N/A	N/A	97	100	98
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00706	2	0.00	5.45	NONE	99	100	100	N/A	N/A	97	100	98
US0061	COMPOSITE	DO NOTHING		COMMENTS								
00707	1	0.00	4.01	NONE	92	99	71	N/A	N/A	83	100	80
US0061	COMPOSITE	MEDIUM OVERLAY		COMMENTS								
00707	1	4.01	1.12	NONE	90	95	72	N/A	N/A	81	100	79
US0061	COMPOSITE	MEDIUM OVERLAY		COMMENTS								
00707	1	5.13	0.39	NONE	90	100	66	N/A	N/A	87	100	78
US0061	COMPOSITE	MEDIUM OVERLAY		COMMENTS								

PRIORITY LIST

DISTRICT 62 PRIORITY LIST

ROUTE	CONTROL SECTION	DIRECTION	BEGIN LOG MILE	SECTION LENGTH	TREATMENT YEAR	RECOMMENDED TREATMENT	COMMENTS
US0061	00704	2	5.95	2.73	2001	THIN OVERLAY	
US0061	00704	2	8.68	1.78	2001	THIN OVERLAY	
US0190	01306	1	5.12	1.38	2001	THIN OVERLAY	
US0190	01306	1	6.5	2.40	2001	THIN OVERLAY	
US0190	01306	1	8.9	6.11	2001	THIN OVERLAY	
US0190	01308	1	4.44	0.67	2001	MINOR REHABILITATION	
US0051-X	01308	1	5.11	0.55	2001	MINOR REHABILITATION	
US0051-X	01308	1	5.66	0.50	2001	MINOR REHABILITATION	
US0051-X	01308	1	6.16	0.25	2001	MINOR REHABILITATION	
US0190	01308	2	4.44	0.67	2001	MINOR REHABILITATION	
US0190	01309	1	0.18	0.77	2001	MINOR REHABILITATION	
US0190	01309	1	0.95	0.13	2001	MINOR REHABILITATION	
US0190	01309	1	1.08	0.09	2001	MINOR REHABILITATION	
US0190	01309	2	0.95	0.13	2001	MINOR REHABILITATION	
US0190-X	01310	1	9.09	0.24	2001	THIN OVERLAY	
US0190-X	01310	1	9.33	0.25	2001	THIN OVERLAY	
US0190-X	01310	1	9.58	0.20	2001	MINOR REHABILITATION	
US0190-X	01310	1	9.78	0.51	2001	MINOR REHABILITATION	
US0051	01704	1	0	0.79	2001	MINOR REHABILITATION	
US0051	01704	1	0.79	0.09	2001	MINOR REHABILITATION	
US0051	01704	1	0.88	1.41	2001	MINOR REHABILITATION	
US0051	01704	1	11.44	0.42	2001	THIN OVERLAY	
US0051	01704	2	0	0.79	2001	MINOR REHABILITATION	
US0051	01704	2	0.88	1.41	2001	MINOR REHABILITATION	
US0011	01804	1	1.43	0.57	2001	THIN OVERLAY	
LA0433	01830	1	6.17	0.47	2001	MINOR REHABILITATION	
LA0433	01830	1	6.64	1.59	2001	MINOR REHABILITATION	
LA0433	01830	2	6.17	0.47	2001	MINOR REHABILITATION	
LA0433	01830	2	6.64	1.59	2001	MINOR REHABILITATION	

PMS

ACTIVITIES/ACCOMPLISHMENTS

Output Implementation

- Generated reports on the Condition of the State Pavement Network and on each District network. Analyzed different Budget scenarios and recommended Budgets to achieve desired goals.

**CLASSIFICATION OF HIGHWAY BASED
ON
ROUGHNESS INDEX**

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	ROUGHNESS INDEX		
CONDITION	INTERSTATES	ARTERIAL	COLLECTORS
Very Good	96 – 100	95 – 100	95 – 100
Good	90 – 95	88 – 94	85 – 94
Fair	76 – 89	70 – 87	65 – 84
Poor	65 – 75	60 – 69	50 – 64
Very Poor	0 – 64	0 – 59	0 – 49

□

CLASSIFICATION OF HIGHWAYS BASED ON IRI

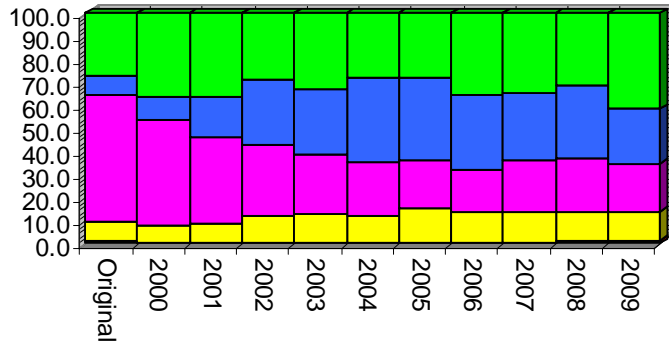
CONDITION	INTERSTATES	ARTERIALS	COLLECTORS
Very Good	$IRI \leq 70$	$IRI \leq 75$	$IRI \leq 75$
Good	$IRI = 71 - 100$	$IRI = 76 - 110$	$IRI = 76 - 125$
Fair	$IRI = 101 - 170$	$IRI = 111 - 200$	$IRI = 126 - 225$
Poor	$IRI = 171 - 225$	$IRI = 201 - 250$	$IRI = 226 - 300$
Very Poor	$IRI \geq 226$	$IRI \geq 251$	$IRI \geq 301$

Interstate Based on Roughness Condition Distribution

\$40 Million

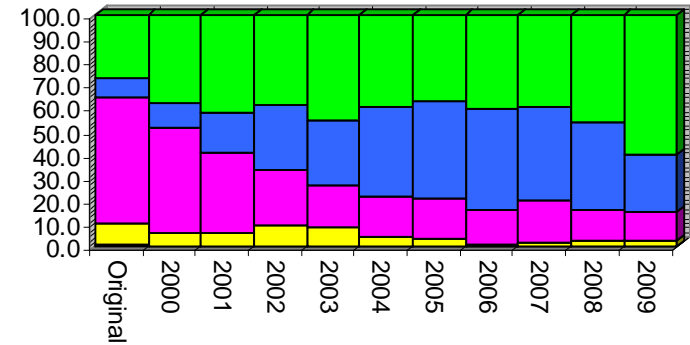
\$60 Million

Interstate Condition Distribution
Budget 40 Million



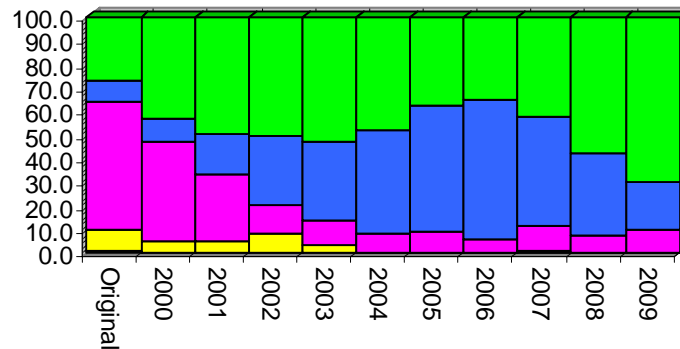
VERY POOR POOR FAIR GOOD EXCELLENT

Interstate Condition Distribution
Budget 60 Million



VERY POOR POOR FAIR GOOD EXCELLENT

Interstate Condition Distribution
Budget 80 Million

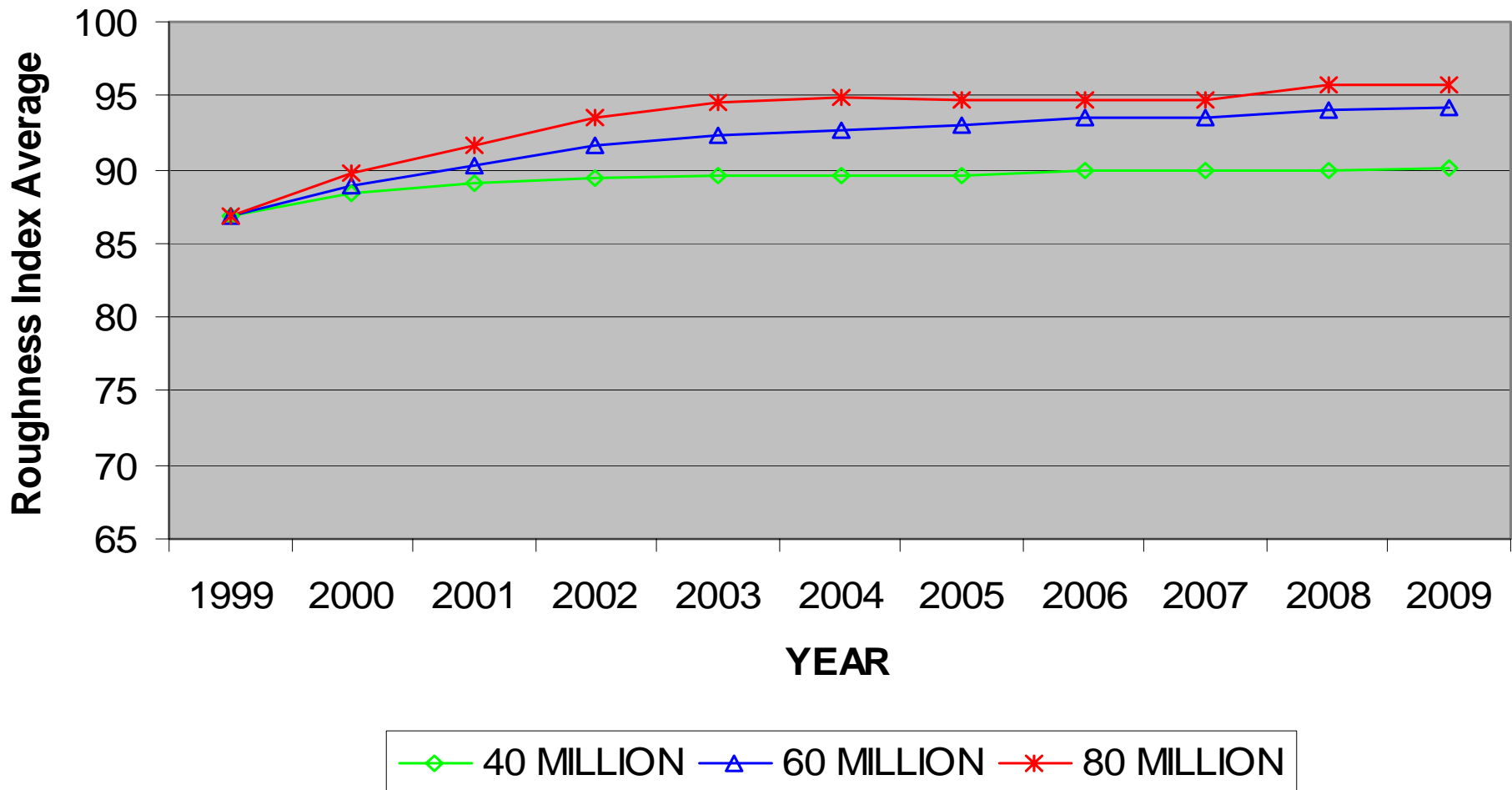


VERY POOR POOR FAIR GOOD EXCELLENT

\$80 Million

Interstate Average Network

Interstate Average Network Condition

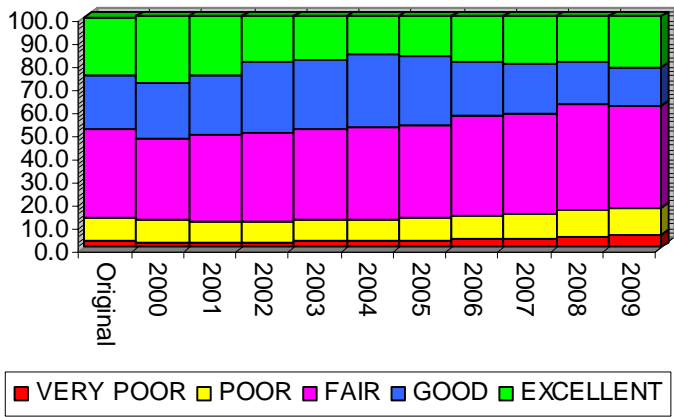


Non-Interstate Based on Roughness Condition Distribution

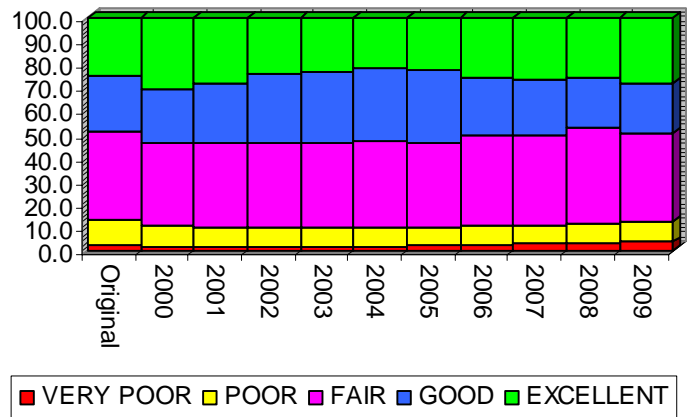
\$120 Million

\$160 Million

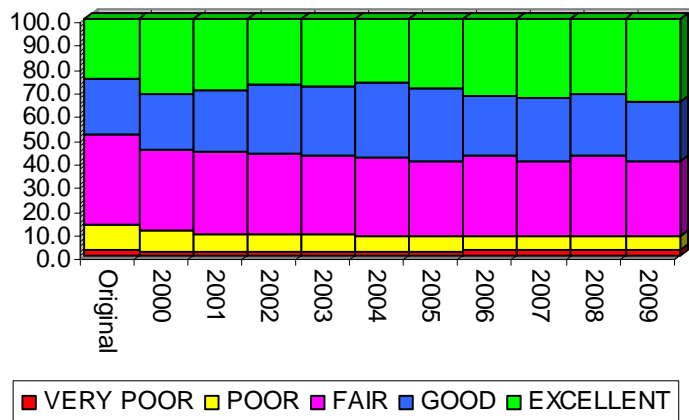
Non-Interstate Condition Distribution
Budget 120 Million



Non-Interstate Condition Distribution
Budget 160 Million



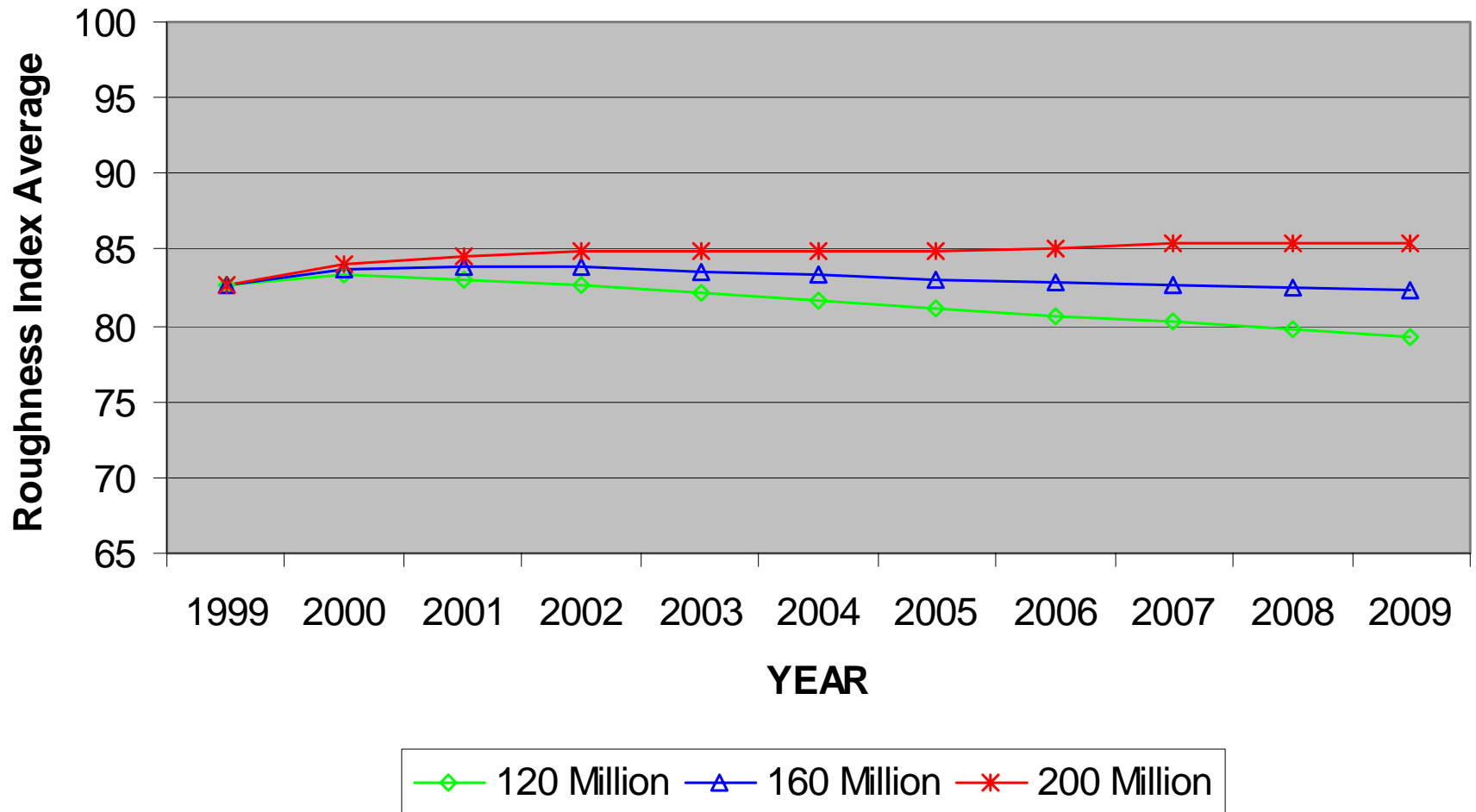
Non-Interstate Condition Distribution
Budget 200 Million



\$200 Million

Non-Interstate Average Network

Non Interstate Average Network Condition Based On Roughness



NHS CONDITION REPORT

National Highway System (NHS)	VERY GOOD	GOOD	FAIR	POOR	VERY POOR	TOTAL
	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES
Rural Interstate	254	75	183	28	14	554.0
Rural Other Principal Arterial	329	216	313	45	11	914.0
Rural Minor Arterial	55	28	102	34	7	226.0
Rural Major Collector	13	5	5	0	0	23.0
Rural Minor Collector	0	0	0	0	0	0.0
						1717
Urban Interstate	79	5	114	47	3	248.0
Urban Other Freeways and Exp. Way	15	3	18	2	1	39.0
Urban Other Principal Arterial	98	40	92	40	35	305.0
Urban Minor Arterial	6	2	2	2	2	14.0
Urban Major Collector	0	0	0	0	0	0.0
Urban Minor Collector	0	0	0	0	0	0.0
						606
TOTAL MILES	849	374	829	198	73	2323
NHS PERCENT	37	16	36	9	3	100

SHS CONDITION REPORT

Statewide Highway System (SHS)	VERY GOOD	GOOD	FAIR	POOR	VERY POOR	TOTAL
(Excluding NHS)	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES
Rural Other Principal Arterial	0	7	9	0	0	16.0
Rural Minor Arterial	504	395	645	102	6	1652.0
Rural Major Collector	1440	1058	1927	426	51	4902.0
						6570
Urban Other Freeways and Exp. Way	0	0	0	0.2	0.8	1.0
Urban Other Principal Arterial	73	56	143	77	47	396.0
Urban Minor Arterial	0	0	0	0	0	0.0
Urban Major Collector	0	0	0	0	0	0.0
Urban Minor Collector	0	0	0	0	0	0.0
						397
TOTAL MILES	2017	1516	2724	605	105	6967
SHS PERCENT	29	22	39	9	2	100

RHS CONDITION REPORT

Regional Highway System (RHS)	VERY GOOD	GOOD	FAIR	POOR	VERY POOR	TOTAL
(Excluding NHS)	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES	CL_MILES
Rural Minor Arterial	0	0	0	0	0	0.0
Rural Minor Collectors	933	664	1232	538	163	3530.0
Rural Local	478	403	708	604	399	2592.0
						6122
Urban Minor Arterial	180	68	279	84	70	681.0
Urban Collectors	62	47	53	36	19	217.0
Urban Local	1	2	8	1	2	14
						912
TOTAL MILES	1654	1184	2280	1263	653	7034
RHS PERCENT	24	17	32	18	9	100

GASB REPORT


		GASB PROJECT	January 10, 2001			
			CL_MILES	LANE_MILES	YEAR	AGE
RURAL	BLACK	INTERSTATE	240.45	961.80	1990	11
RURAL	WHITE	INTERSTATE	312.62	1250.48	1986	15
URBAN	BLACK	INTERSTATE	73.86	330.50	1988	13
URBAN	WHITE	INTERSTATE	172.06	812.42	1986	15
			798.99	3355.20		
			CL_MILES	LANE_MILES	YEAR	AGE
RURAL	BLACK	NONINTERSTATE NHS	982.52	2519.67	1990	11
RURAL	WHITE	NONINTERSTATE NHS	170.06	564.04	1982	19
URBAN	BLACK	NONINTERSTATE NHS	247.19	979.39	1991	10
URBAN	WHITE	NONINTERSTATE NHS	135.75	571.42	1976	25
			1535.52	4634.52		
			CL_MILES	LANE_MILES	YEAR	AGE
RURAL	BLACK	OTHER	12550.21	25443.80	1984	17
RURAL	WHITE	OTHER	187.11	470.38	1981	20
URBAN	BLACK	OTHER	1051.69	2512.40	1986	15
URBAN	WHITE	OTHER	292.91	1044.27	1978	23

SIGN INVENTORY

Microsoft Access - [Inventory Query]

File Edit View Insert Format Records Tools Window Help

Guide Sign Inventory

Sign Number	<input type="text"/>	Control Section	<input type="text"/>	
Route/Direction	I10E	C.S. Log Mile	0	
Exit Number	173	Parish Number	3	
Mainline <input checked="" type="checkbox"/> Ramp <input type="checkbox"/>		Parish Name	ASCENSION	
Intersecting street	LA 73	Photo Date	11/23/1999	
		Time	3:14 PM	

Sign Message: LA 73 / PRAIRIEVILLE / GEISMAR / 2 MILES

Sign Condition	Good	Sign Color	Green	Supplemental sign	NO HC SYMBOL/SOUTH
AUTCb CODE	0	Material	HI	Mounting	Aluminum/Steel I-Beams
Size of Sign	15' 0" x 12' 0"	Quantity	2		
Square Footage	180	Remarks	EXIT 173 PANEL		
Install Date	09/02/98				

Record: 3 of 643

Sign Number

Start Welco... RealJ... Signs-... Sign ... Inven... 8:43 AM

EXPANDING THE IMPLEMENTATION OF PMS

Improve the friendliness and accessibility to the user.

VISI DATA: Digital images (clarity, user friendly, accessibility)

SURVEYOR: linear measurements

GIS CAPABILITY: Simple click on GIS State map to obtain data.

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE US0061 DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0


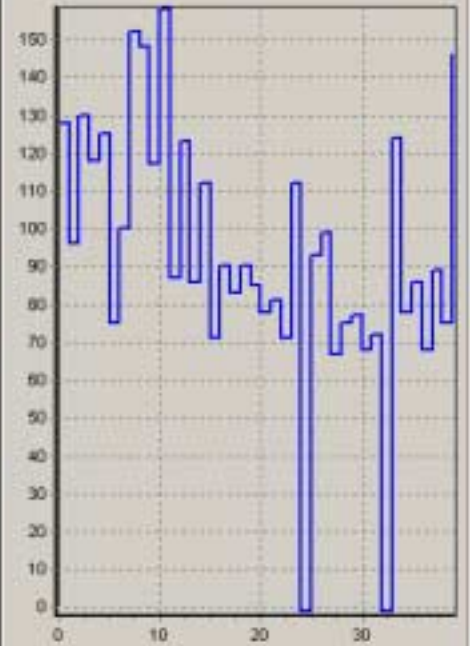


Chart 0: AVG_IRI



ElementId	FROM_ADD	TO_ADD
007901000	0.000	0.100
007901001	0.100	0.200
007901002	0.200	0.300
007901003	0.300	0.400
007901004	0.400	0.500
007901005	0.500	0.600
007901006	0.600	0.700

Grid 0

ROUTE	LATITUDE	LONGITUDE	VPAVETYPE	VLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMAX/N	FALTMAX/P	FALT_AVG	FALTNUMP	FALT...
US0061	3024.113940	-91.03.403920	ASP	3024.198060	-91.03.480360	10.800000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.182640	-91.03.466200	ASP	3024.266280	-91.03.542160	11.000000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.351200	-91.03.539800	ACD	3024.726760	-91.03.626640	11.700000	0	0.000000	0.000000	0.000000	0	0

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Start Visidata Grid 0 Grid 1 Chart 0: AVG_IRI Camera 0 10:32 AM

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61


IMAGEID * DIST 61 CSECT 00790 ROUTE * DIR 1

Where: CSECT=00790

Ready

Camera 0

File View



100440 61 17 00790 US0061 5 1 1 00/06/17 0.600 40.7 150213

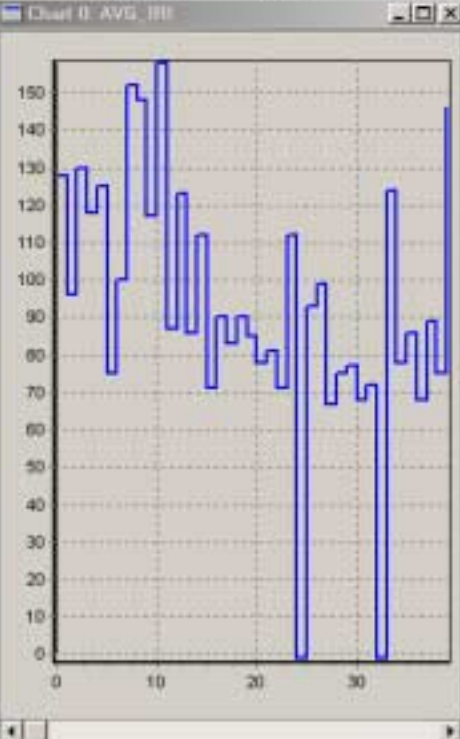
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Grid 1

segmentid	FROM_ADD	TO_ADD
07901000	0.000	0.100
07901001	0.100	0.200
07901002	0.200	0.300
07901003	0.300	0.400
07901004	0.400	0.500
07901005	0.500	0.600
07901006	0.600	0.700

Order By: Key

Chart 0: AVG. III



Grid 0

ROUTE	LATITUDE	LONGITUDE	VPAVETYPE	VLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMAXN	FALTMAXP	FALT_AVG	FALTNUMP	FALT
US0061	3024.113940	-9103.403820	ASP	3024.198050	-9103.480360	10.800000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.182640	-9103.466200	ASP	3024.266280	-9103.542160	11.000000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.251780	-9103.529900	ASP	3024.334740	-9103.604440	11.200000	0	0.000000	0.000000	0.000000	0	0

Start Microsoft Po... VSL_2 - Paint Visidata Grid 0 Grid 1 Chart 0: AVG... Camera 0 1:20 PM

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE * DIR 1

Where: CSECT=00790 Order By: US0061 US0190

Ready

Camera 0


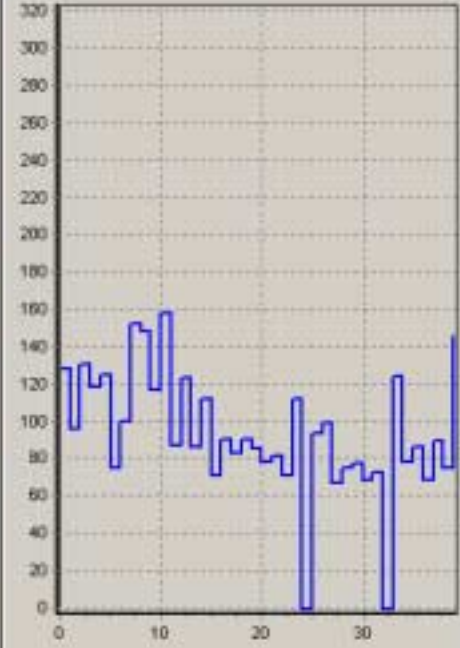


Chart 0: AVG_PHS



Grid 0

ROUTE	LATITUDE	LONGITUDE	VPWTYPE	VPLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMX/N	FALTMX/P	FALT_AVG	FALTNUMP	FALT...
US0061	3024.113940	-9103.403920	ASP	3024.199060	-9103.480360	10.800000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.182640	-9103.466200	ASP	3024.266280	-9103.542160	11.000000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.351200	-9103.539800	ACP	3024.726760	-9103.626440	11.700000	0	0.000000	0.000000	0.000000	0	0

File: D:\visid\108H0CD0000\000000000119\000000000119.pg Loc: 2000061015\61\00790\1\0\het -1 k

Start [MSL_B - P.] Visidata Grid 0 Grid 1 Chart 0: A Camera 0 Microsoft 4:46 PM

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61


IMAGEID * DIST 61 CSECT 00790 ROUTE US0061 DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0

File View



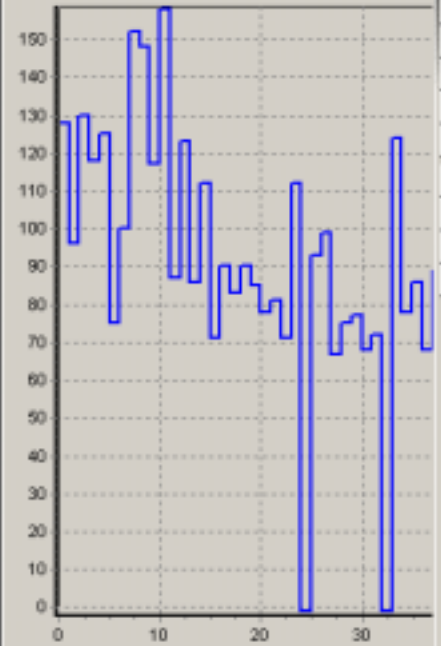
[00140 61 17 00790 US0061 5 1 1 00/00/17 0.600 40.7 150213]

File: D:\visid\108H0CD0009\000000000119\000000000119.jpg Loc: 2000061016\61\00790\1\Dirvet -1 ft

Grid 1

SegmentId	FROM_ADD	TO_ADD
07901000	0.000	0.100
07901001	0.100	0.200
07901002	0.200	0.300
07901003	0.300	0.400
07901004	0.400	0.500
07901005	0.500	0.600
07901006	0.600	0.700

Chart 0: AVG_IRI



Grid 0

ROUTE	LATITUDE	LONGITUDE	VPVTYPE	VLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMAXN	FALTMAXP	FALT_AVG	FALTNUM	FAL
US0061	3024.113940	-91.03.403920	ASP	3024.198060	-91.03.480360	10.800000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.182640	-91.03.466200	ASP	3024.266280	-91.03.542160	11.000000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.351200	-91.03.539800	ASP	3024.734760	-91.03.626440	11.200000	0	0.000000	0.000000	0.000000	0	0

Start | VSL_4 - Paint | Visidata | Grid 0 | Grid 1 | Chart 0: AVG_IRI | Camera 0 | 12:57 PM

VISIDATA

Visidata

File View Window Tools Help


DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE * DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0



[60940 61 17 00790 US0061 2 1 1 00/06/17 0.600 40.7 15021]

File: D:\visid\108H0CD0002\000000000119\000000000119.pg Loc: 2000061015\61\00790\17.DHnet -1 k

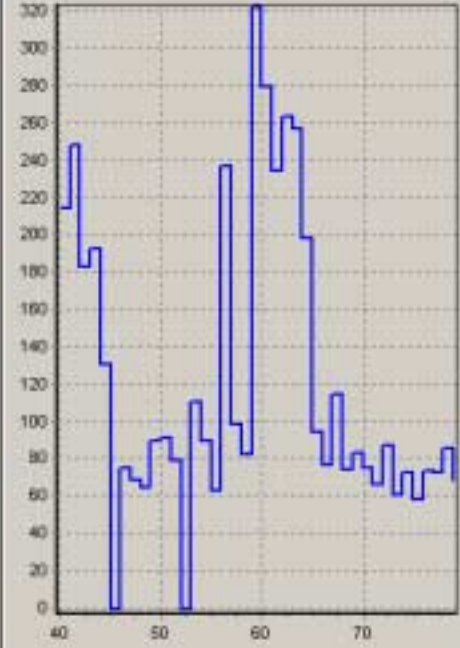
Grid 0

ROUTE	LATITUDE	LONGITUDE	VPAVETYPE	VPLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMX/N	FALTMX/P	FALTMX/AVG	FALTNJMP	FALTT
US0061	3024.113940	-9103.403920	ASP	3024.199060	-9103.480360	10.800000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.182640	-9103.466200	ASP	3024.266280	-9103.542160	11.000000	0	0.000000	0.000000	0.000000	0	0
US0061	3024.351200	-9103.539800	ACP	3024.726760	-9103.626440	11.700000	0	0.000000	0.000000	0.000000	0	0

Grid 1

segmentId	FROM_ADD	TO_ADD
07901000	0.000	0.100
07901001	0.100	0.200
07901002	0.200	0.300
07901003	0.300	0.400
07901004	0.400	0.500
07901005	0.500	0.600
07901006	0.600	0.700

Chart 0: AVG_IRI



Start | [Icons] | VSL_5 - P | Visidata | Grid 0 | Grid 1 | Chart 0: ... | Camera 0 | Microsoft ... | 4:50 PM

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE US0061 DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0

180440 61 17 00790 US0061 2 1 1 00/06/17 5.999 42.9 181904

File: D:\visid\108H0CD0007\000005000231\000005900323.jpg Loc: 200061015/61/00790/17 DIR:et 0 K

Grid 1

ElementId	FROM_ADD	TO_ADD
007901054	5.400	5.900
007901055	5.500	5.600
007901056	5.600	5.700
007901057	5.700	5.800
007901058	5.800	5.900
007901059	5.900	6.000
007901060	6.000	6.100

Chart 0: AVG_IRI

Grid 0

ROUTE	LATITUDE	LONGITUDE	VPWTYPE	VPLATITUDE	VLONGITUDE	ELEV	N_BRIDGE	FALTMX/N	FALTMX/P	FALT_AVG	FALTNUMP	FAL
US0061	3028.344180	-9106.580380	ASP	3028.428180	-9106.642600	15.600000	0	0.000000	0.000000	0.000000	0	0
US0061	3028.418400	-9106.634800	JCP	3028.502400	-9106.694800	17.200000	0	0.000000	0.400000	0.337000	8	0
US0061	3028.402200	-9106.607000	ICD	3028.572200	-9106.747000	14.000000	0	0.000000	0.300000	0.300000	3	0

Start MSN_E - Park Visidata Grid 0 Grid 1 Chart 0: AVG... Camera 0 12:59 PM

VISIDATA

Visidata

File View Window Tools Help


DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE US0061 DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0



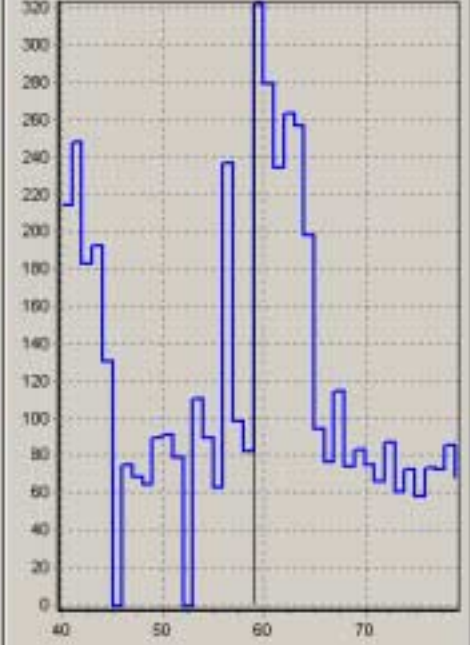
180440 61 17 00790 US0061 2 1 1 00/06/17 5.999 42.9 181904

File: D:\visid\108H3CD0007\000005000231\000005900323.jpg Loc: 200061015/61/00790/1/DIR 0 K

Grid 1

SegmentId	FROM_ADD	TO_ADD
07901059	5.900	6.000
07901060	6.000	6.100
07901061	6.100	6.200
07901062	6.200	6.300
07901063	6.300	6.400
07901064	6.400	6.500
07901065	6.500	6.600

Chart 0: AVG_IRI



Grid 0

ROUTE	LATITUDE	LONGITUDE	VPWTYPE	VLATITUDE	VLONGITU	ELEV	N_BRIDGE	FALTMX/N	FALTMX/P	FALT_AVG	FALTNUMP	FALT1
US0061	3028.418400	-9106.634900	JCP	3028.502400	-9106.694800	17.200000	0	0.000000	0.400000	0.337000	8	0
US0061	3028.492300	-9106.687000	JCP	3028.576300	-9106.747900	16.000000	0	0.000000	0.300000	0.300000	2	0
US0061	3028.562900	-9106.741000	JCP	3028.646900	-9106.801000	16.000000	0	0.000000	0.300000	0.300000	0	0

Start VSL_7 - Park Visidata Grid 0 Grid 1 Chart 0: AVG_IRI Camera 0 1:02 PM

VISIDATA

Visidata

File View Window Tools Help

DISTRICT_61

IMAGEID * DIST 61 CSECT 00790 ROUTE * DIR 1

Where: CSECT=00790 Order By: key

Ready

Camera 0

100940 61 17 00790 US0061 2 1 1 00/00/17 6.507 35.0 184111

File: D:\svivid\10840CD0007\000005000290\000006502116.pg Loc: 2000061015\61\00790\17.DIvet 10ft

Grid 1

ElementId	FROM_ADD	TO_ADD
007901059	5.900	6.000
007901060	6.000	6.100
007901061	6.100	6.200
007901062	6.200	6.300
007901063	6.300	6.400
007901064	6.400	6.500
007901065	6.500	6.600

Chart 0: AVG_PPI

Grid 0

ROUTE	LATITUDE	LONGITUDE	VPAVETYPE	VLATITUDE	VLONGITU	ELEV	N_BRIDGE	FALTMX/N	FALTMX/P	FALT_AVG	FALTNUMP	FALT1
US0061	3028.864500	-91.06.952080	ASP	3028.946100	-91.07.012500	16.700000	0	0.000000	0.000000	0.000000	0	0
US0061	3028.938660	-91.07.004700	ASP	3029.019300	-91.07.065120	16.300000	0	0.000000	0.000000	0.000000	0	0
US0061	3029.013500	-91.07.067000	ACP	3029.069000	-91.07.117740	15.900000	0	0.000000	0.000000	0.000000	0	0

Start

MSL1 - P

Visidata

Grid 0

Grid 1

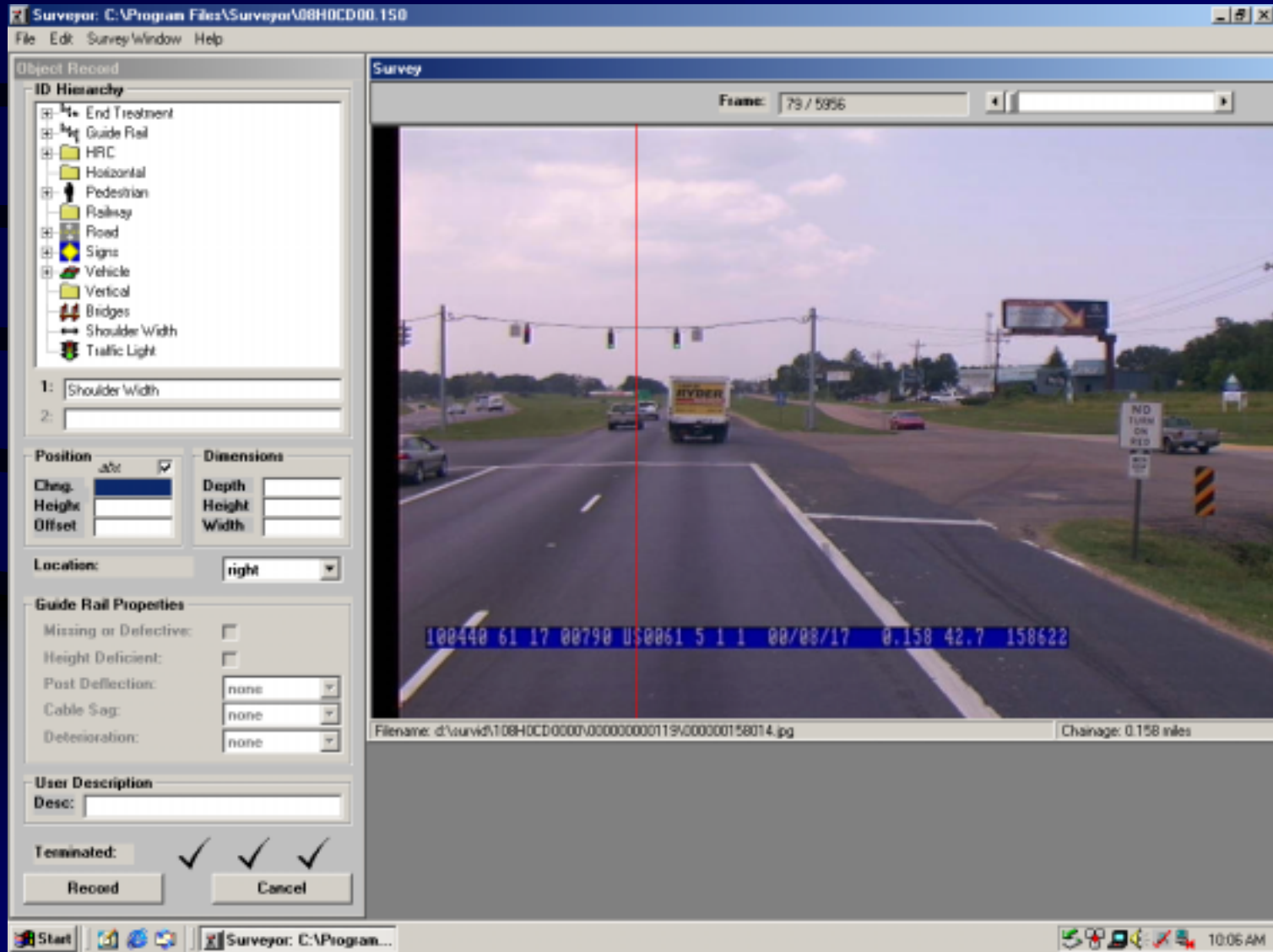
Chart 0: A

Camera 0

Microsoft

4:41 PM

SURVEYOR



SURVEYOR

Surveyor: C:\Program Files\Surveyor\08H0CD00.150

File Edit Survey Window Help

Object Record

ID Hierarchy

- End Treatment
- Guide Rail
- HRC
- Horizontal
- Pedestrian
- Railway
- Road
- Signs
- Vehicle
- Vertical
- Bridges
- Shoulder Width
- Traffic Light

1: Shoulder Width
2:

Position Lat

Change Height Offset

Dimensions

Depth
Height
Width

Location: right

Guide Rail Properties

Missing or Defective:
Height Deficient:
Post Deflection: none
Cable Sag: none
Deterioration: none

User Description


Desc:

Terminated:

Record Cancel

Survey

Frame: 79 / 5956



100440 61 17 00790 U\$0061 5 1 1 00/08/17 0.158 42.7 150622

Filename: d:\survid\108H0CD0000\000000000119\000000158014.jpg Chainage: 0.158 miles

Start | SURVOR: C:\Program... | SURV_1 - Paint | 10:08 AM

SURVEYOR

Surveyor: C:\Program Files\Surveyor\08H0CD00.150

File Edit Survey Window Help

Object Record

ID Hierarchy

- [-] End Treatment
- [-] Guide Rail
- [+] HRC
- [+] Horizontal
- [-] Pedestrian
- [+] Railway
- [+] Road
- [+] Signs
- [+] Vehicle
- [+] Vertical
- [+] Bridges
- [+] Shoulder Width
- [+] Traffic Light

1: Shoulder Width
2:

Position Lat

Chng. Height Offset

Dimensions

Depth
Height
Width

Location: right

Guide Rail Properties

Missing or Defective:
Height Deficient:
Post Deflection: none
Cable Sag: none
Deterioration: none

User Description

Desc:

Terminated:

Record Cancel

Survey

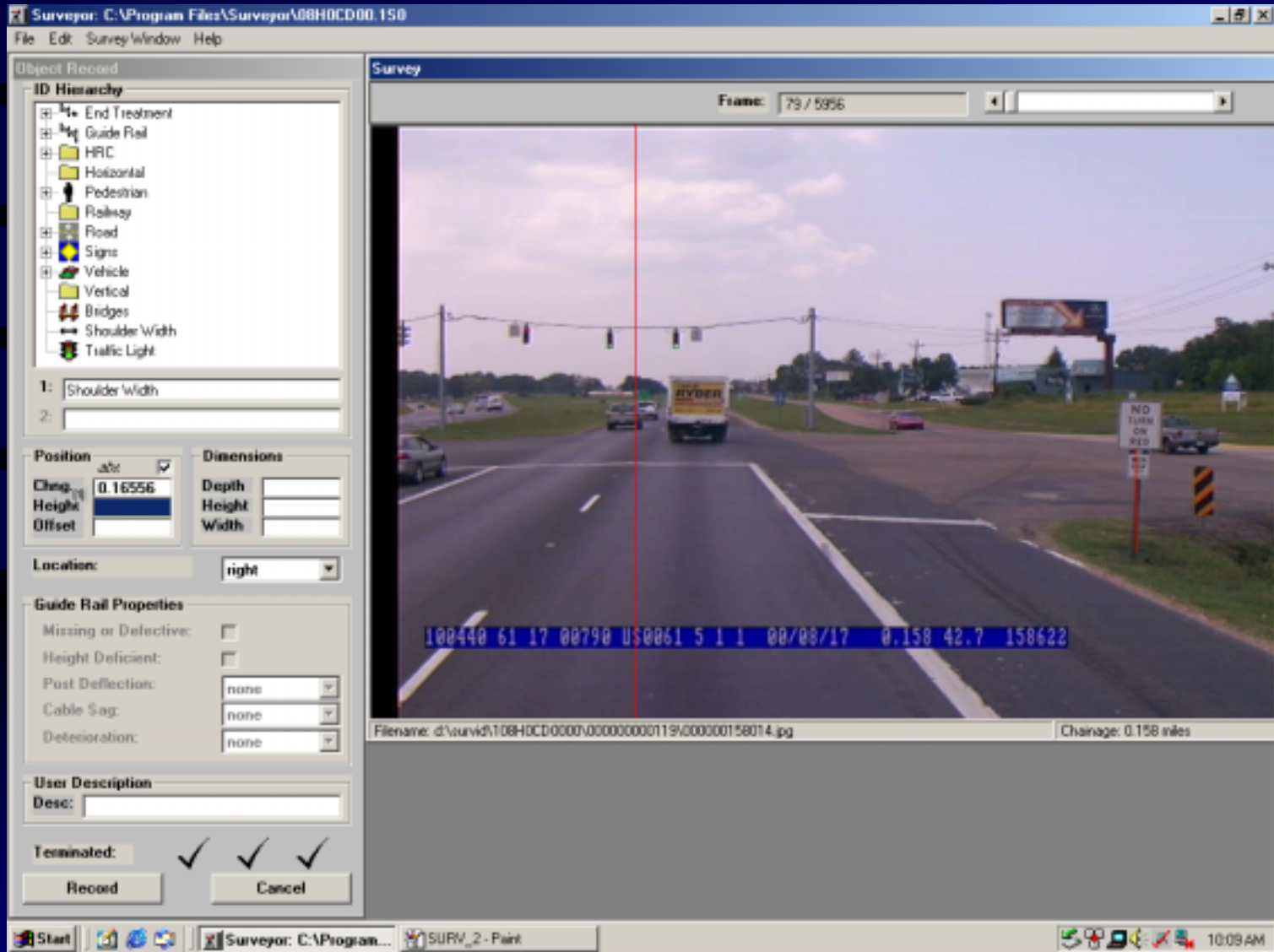
Frame: 79 / 5956

100440 61 17 00790 U\$0061 5 1 1 00/08/17 0.158 42.7 150622

Filename: d:\survid\108H0CD0000\000000000119\000000158014.jpg Chainage: 0.158 miles

Start | SURVOR: C:\Program... | SURV_2 - Paint | 10:09 AM

SURVEYOR



SURVEYOR

Surveyor: C:\Program Files\Surveyor\08H0CD00.150

File Edit Survey Window Help

Object Record

ID Hierarchy

- [-] End Treatment
- [-] Guide Rail
- [-] HRC
- [-] Horizontal
- [-] Pedestrian
- [-] Railway
- [-] Road
- [-] Signs
- [-] Vehicle
- [-] Vertical
- [-] Bridges
- [-] Shoulder Width
- [-] Traffic Light

1: Shoulder Width
2:

Position Lat

Change Height Offset

Dimensions

Depth
Height
Width

Location: right

Guide Rail Properties

Missing or Defective:
Height Deficient:
Post Deflection: none
Cable Sag: none
Deterioration: none

User Description

Desc:

Terminated:

Record Cancel

Survey

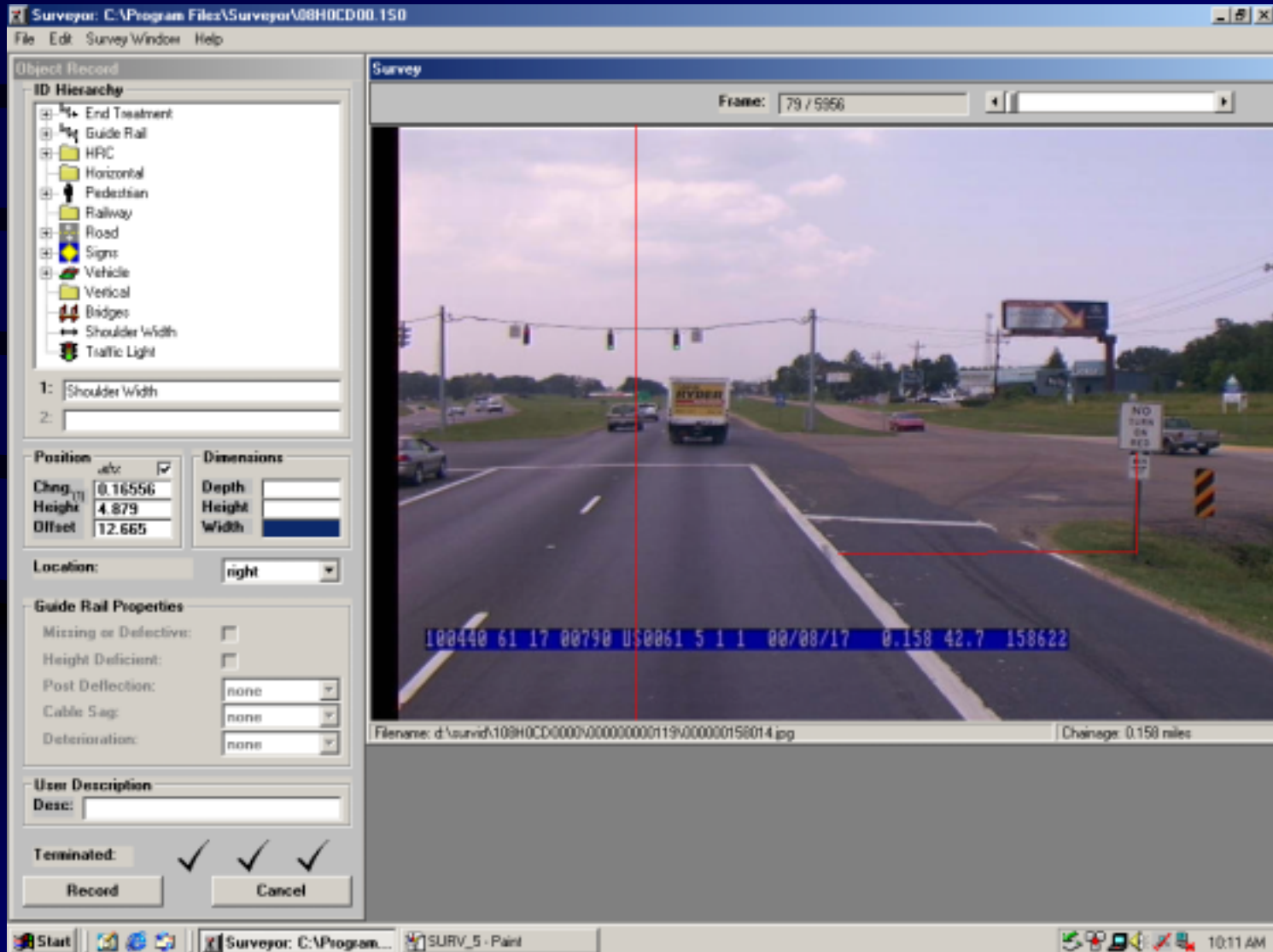
Frame: 79 / 5956

100440 61 17 00790 U\$0061 5 1 1 00/08/17 0.158 42.7 150622

Filename: d:\survid\108H0CD0000\000000000119\000000158014.jpg Chainage: 0.158 miles

Start | SURVOR: C:\Program... | SURV_2 - Paint | 10:09 AM

SURVEYOR



SURVEYOR

Surveyor: C:\Program Files\Surveyor\08H0CD00.150

File Edit Survey Window Help

Object Record

ID Hierarchy

- End Treatment
- Guide Rail
- HRC
- Horizontal
- Pedestrian
- Railway
- Road
- Signs
- Vehicle
- Vertical
- Bridges
- Shoulder Width
- Traffic Light

1: Shoulder Width
2:

Position Lat

Chng. Height Offset

Dimensions

Depth Height Width

Location: right

Guide Rail Properties

Missing or Defective:
Height Deficient:
Post Deflection: none
Cable Sag: none
Deterioration: none

User Description

Desc:

Terminated:

Record Cancel

Survey

Frame: 79 / 5956

100440 61 17 00790 U\$0061 5 1 1 00/08/17 0.158 42.7 150622

Filename: d:\survid\108H0CD0000\000000000119\000000158014.jpg Chainage: 0.158 miles

Start | SURVOR: C:\Program... | SURV_6 - Paint | 10:12 AM

SURVEYOR

Surveyor: C:\Program Files\Surveyor\08H0CD00.150

File Edit Survey Window Help

Object Record

ID Hierarchy

- End Treatment
- Guide Rail
- HRC
- Horizontal
- Pedestrian
- Railway
- Road
- Signs
- Vehicle
- Vertical
- Bridges
- Shoulder Width
- Traffic Light

1: Shoulder Width
2:

Position Lat

Chainage	0.16556	Depth	
Height	4.879	Height	2.354
Offset	12.665	Width	1.821

Location: right

Guide Rail Properties

Missing or Defective:

Height Deficient:

Post Deflection: none

Cable Sag: none

Deterioration: none

User Description

Desc:

Terminated:

Record Cancel

Survey

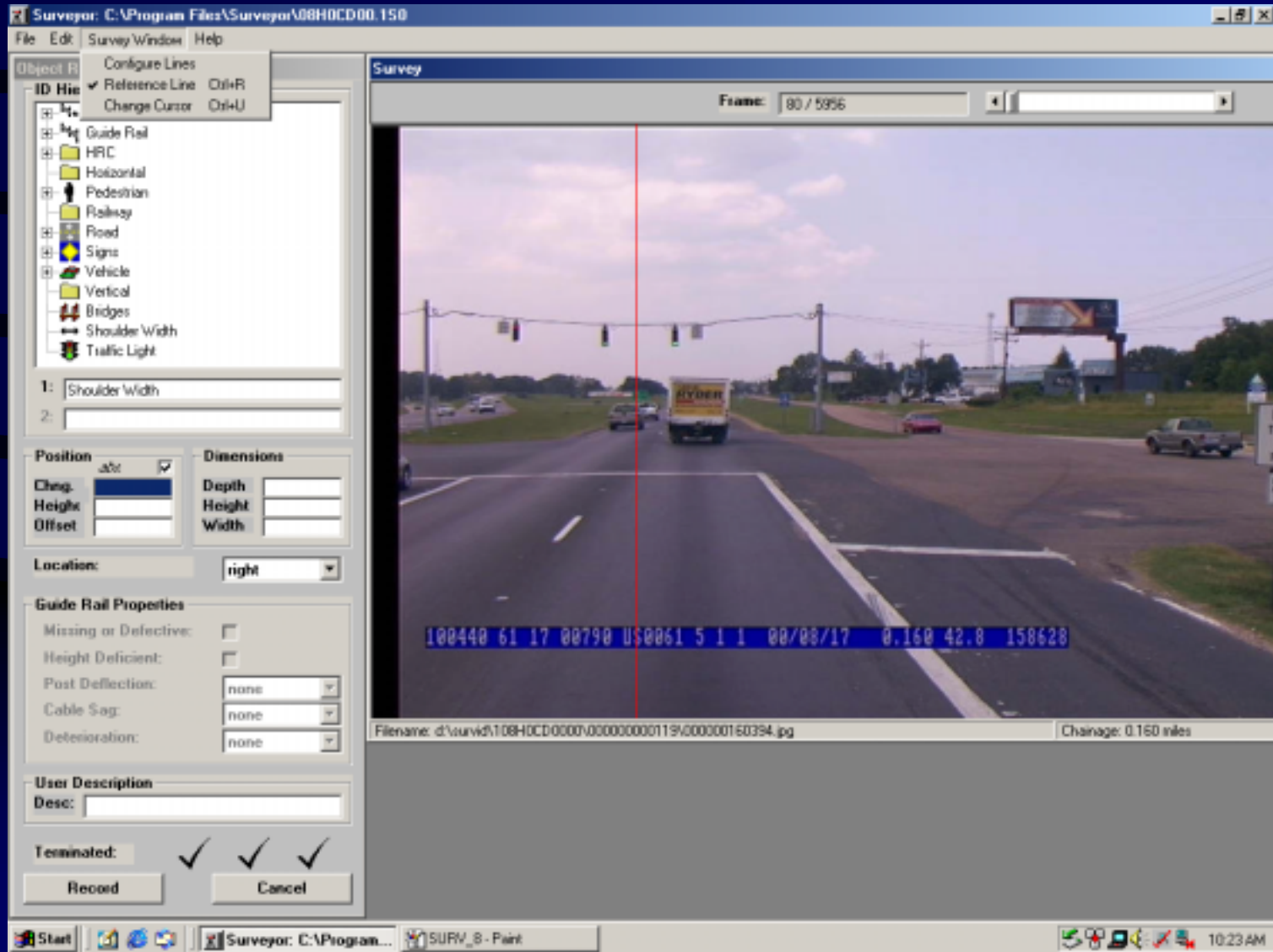
Frame: 79 / 5956

100440 61 17 00790 U\$0061 5 1 1 00/08/17 0.158 42.7 150622

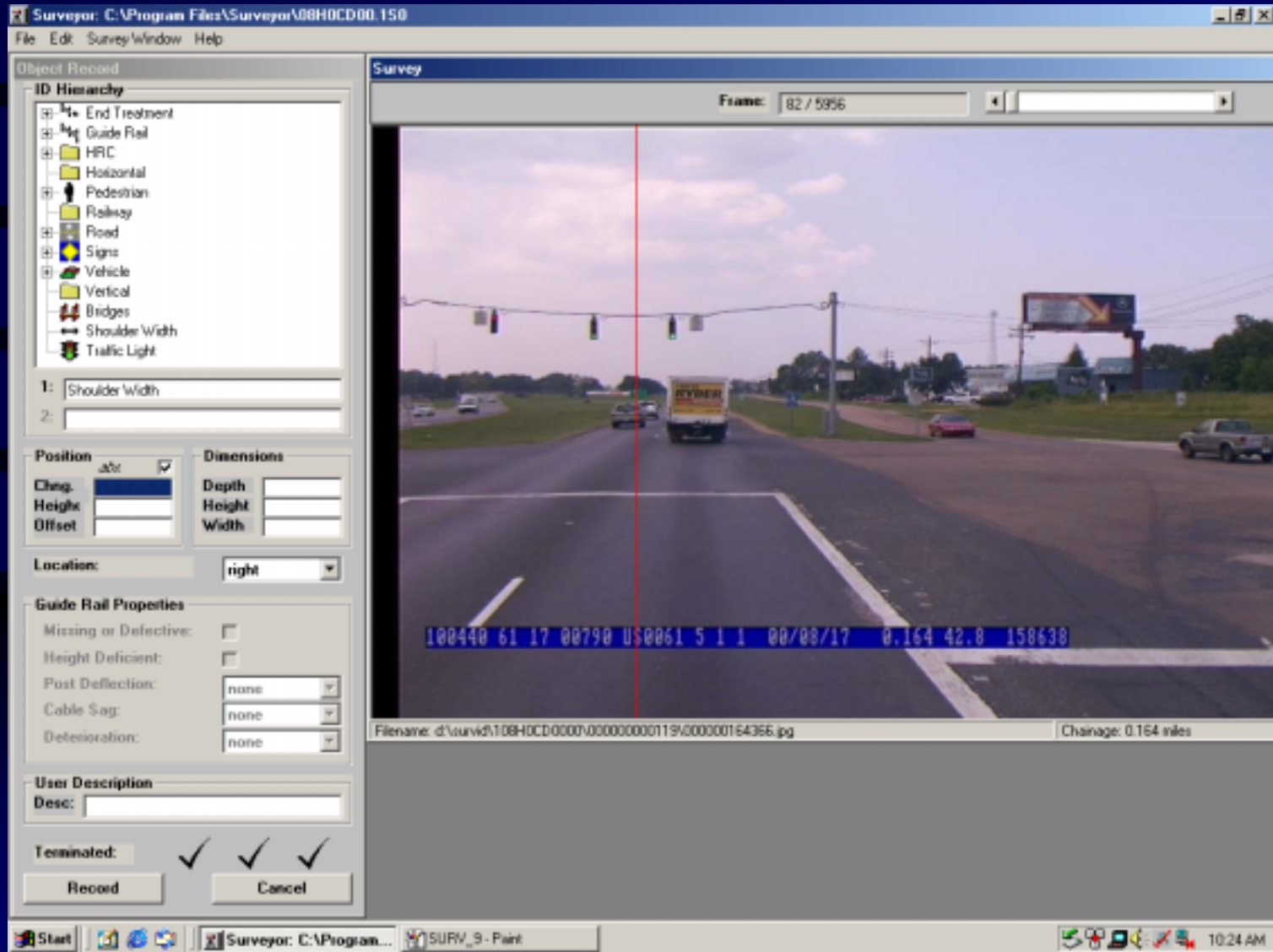
Filename: d:\survid\108H0CD0000\000000000119\000000158014.jpg Chainage: 0.158 miles

Start | SURV_7 - Paint | 10:13 AM

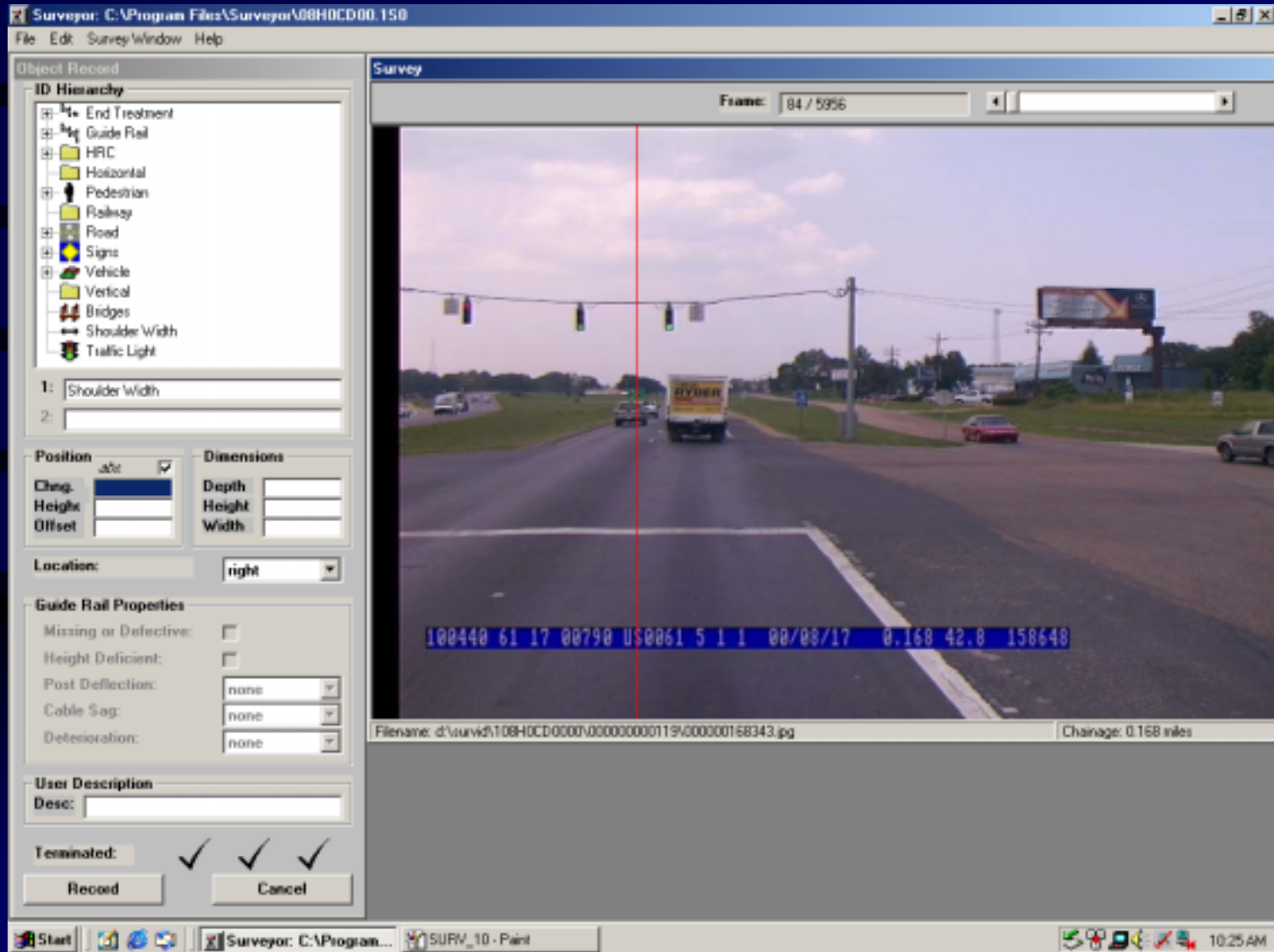
SURVEYOR



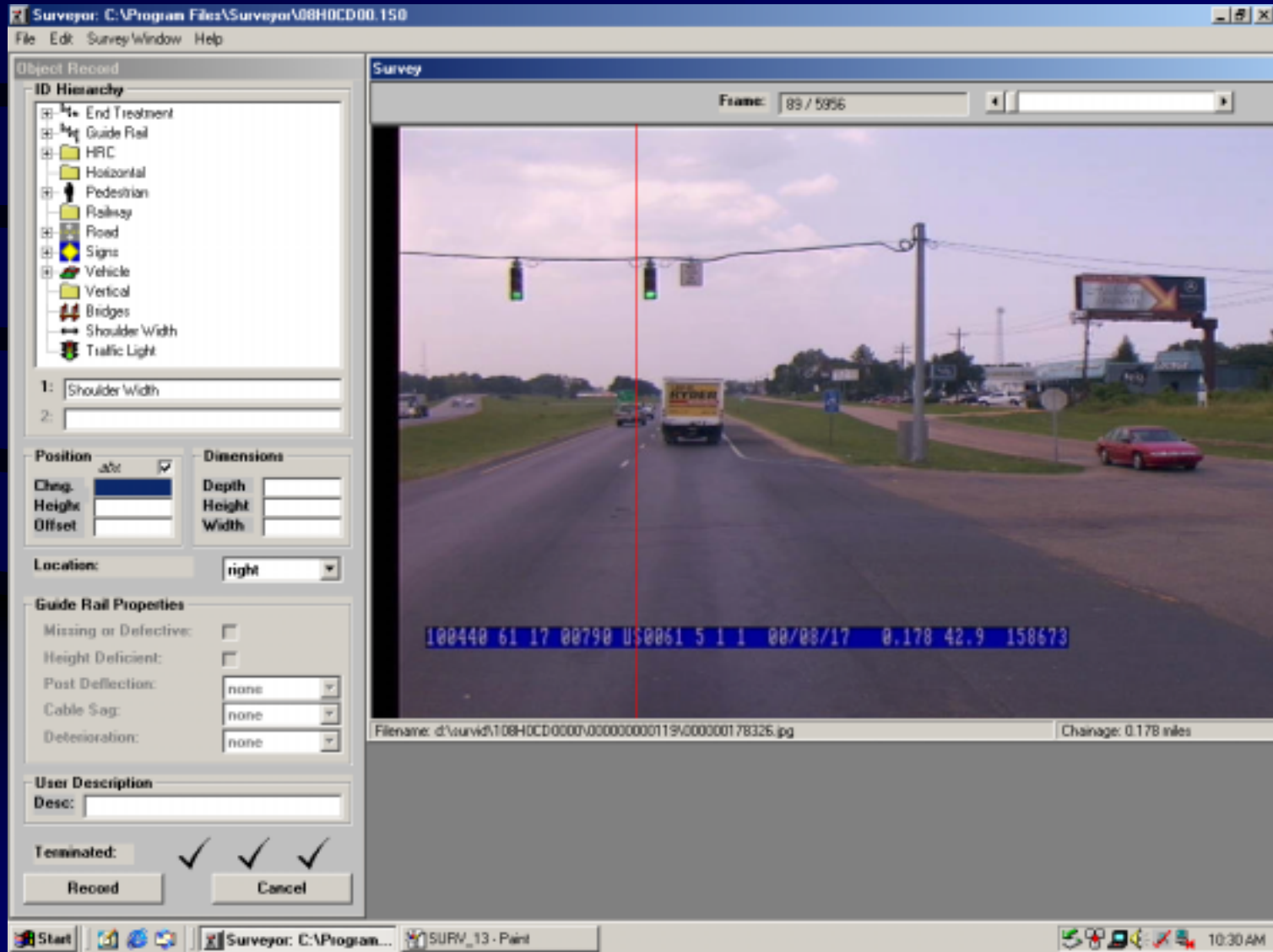
SURVEYOR



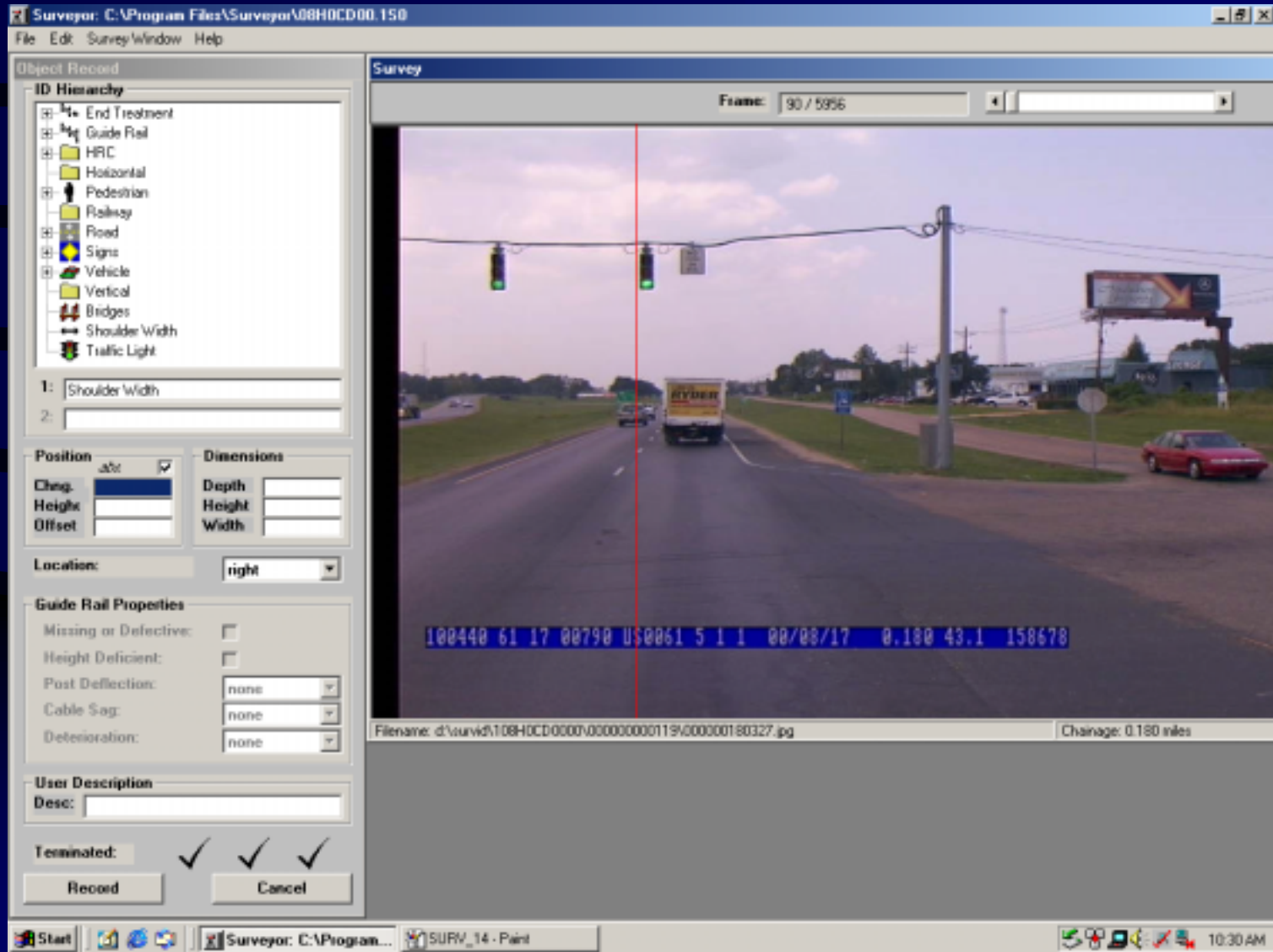
SURVEYOR



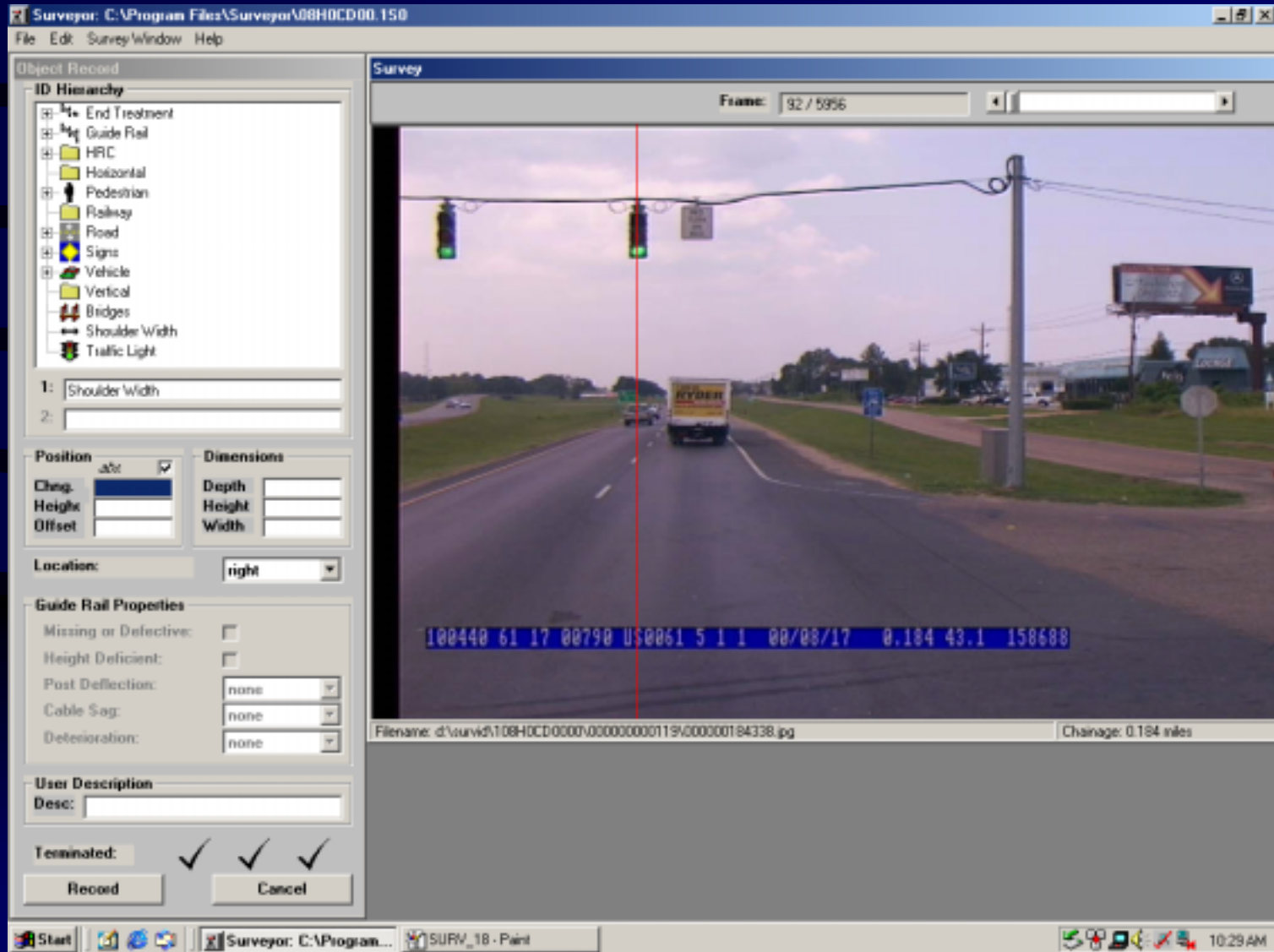
SURVEYOR



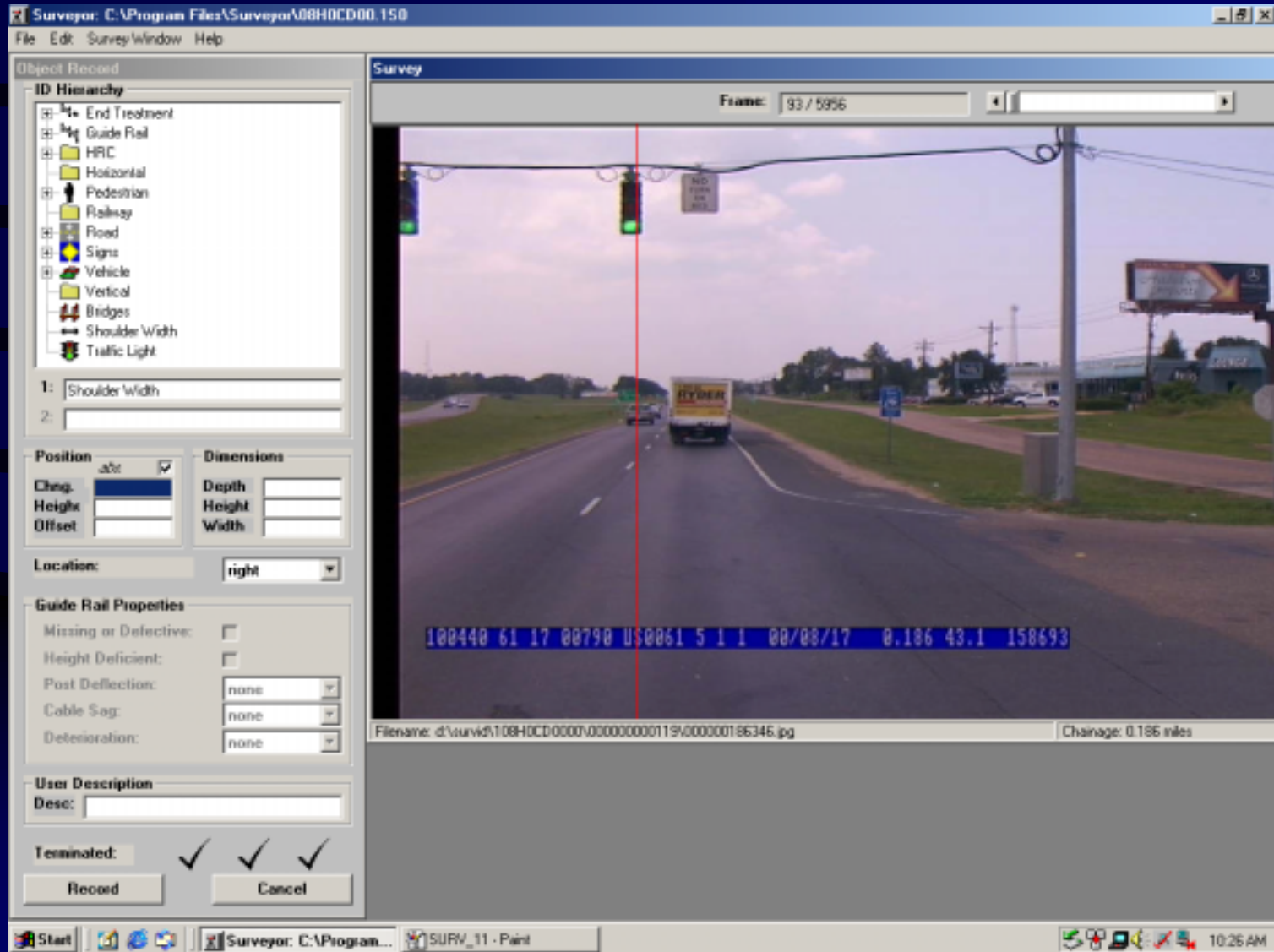
SURVEYOR



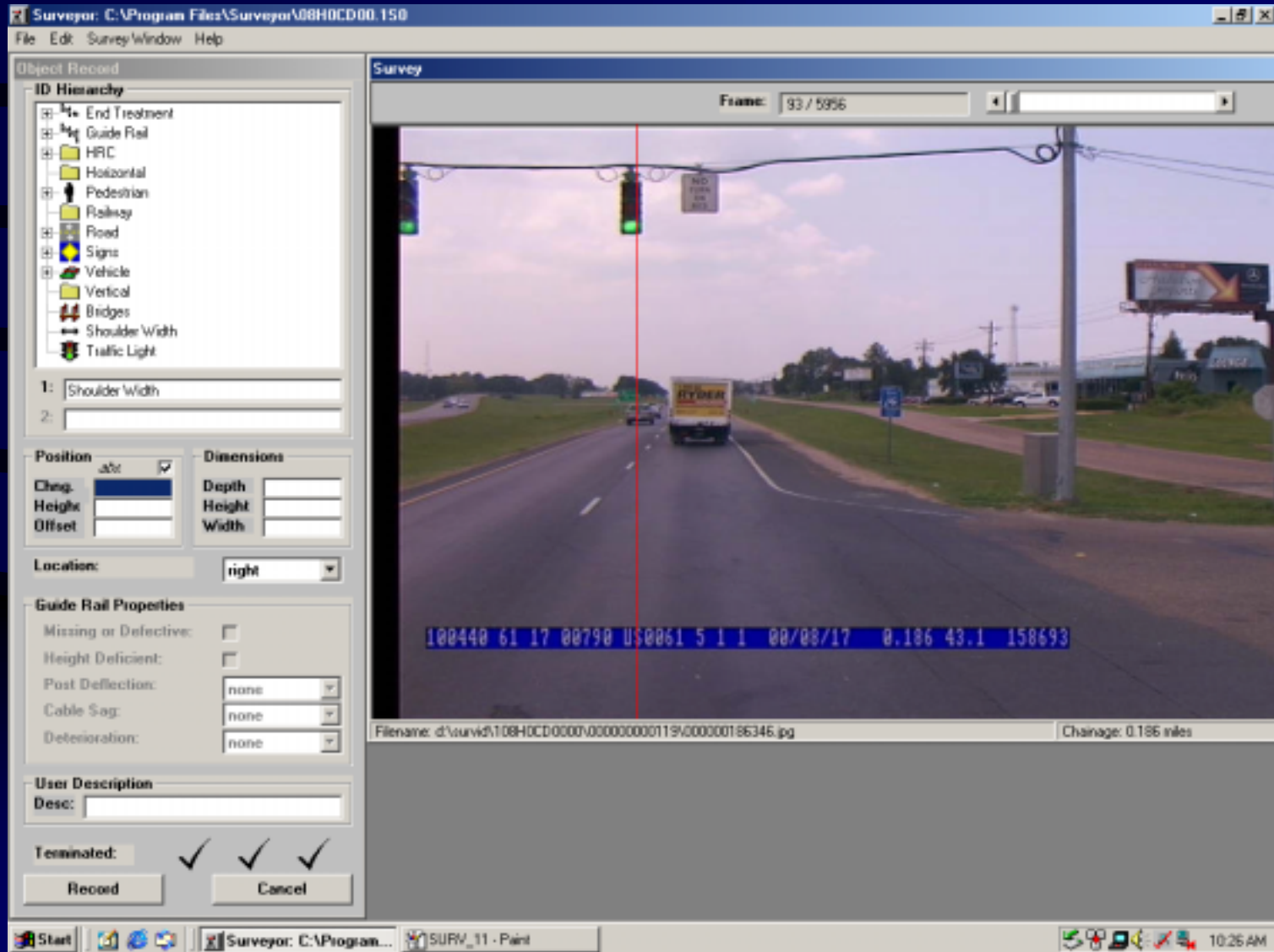
SURVEYOR



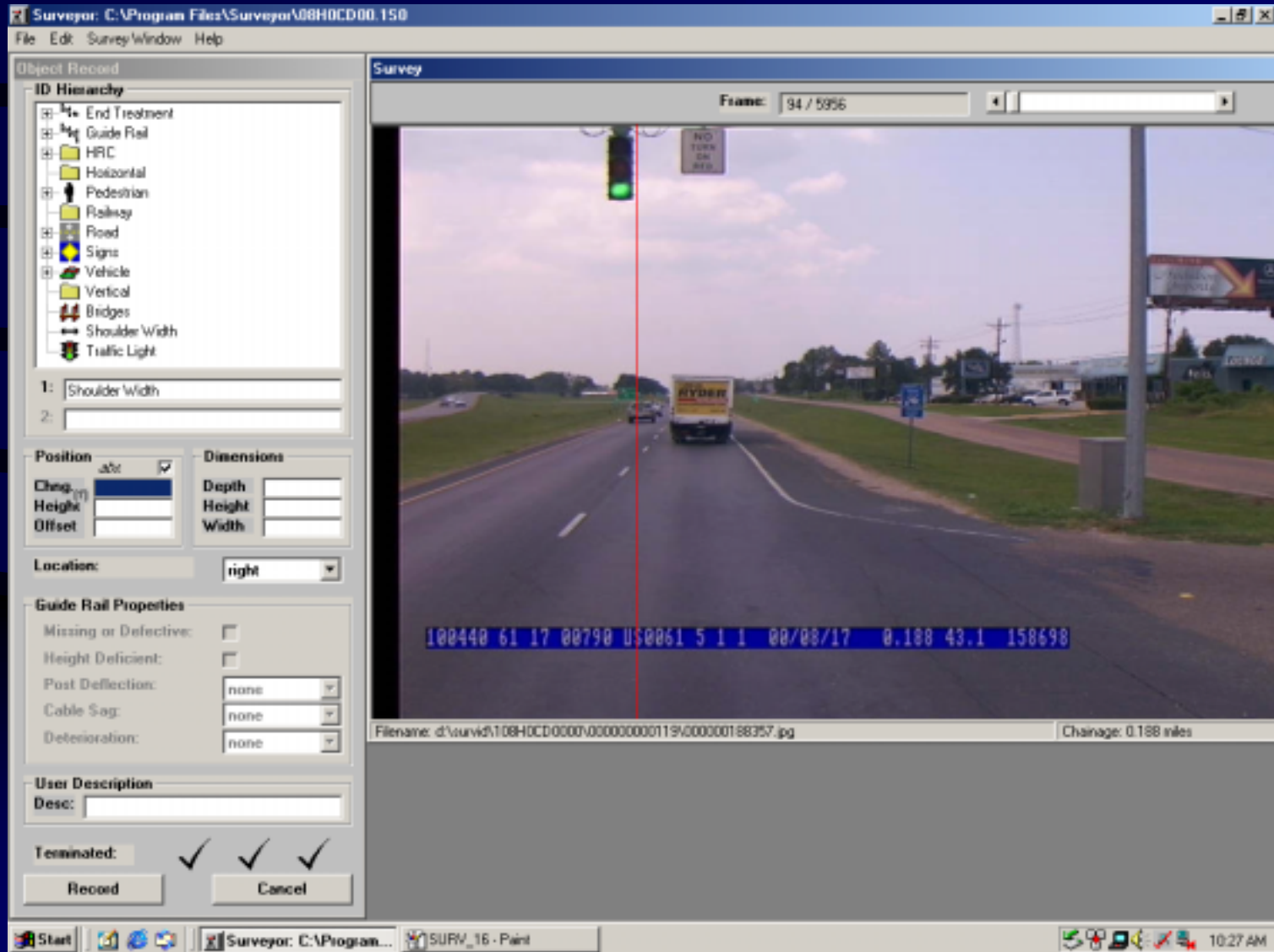
SURVEYOR



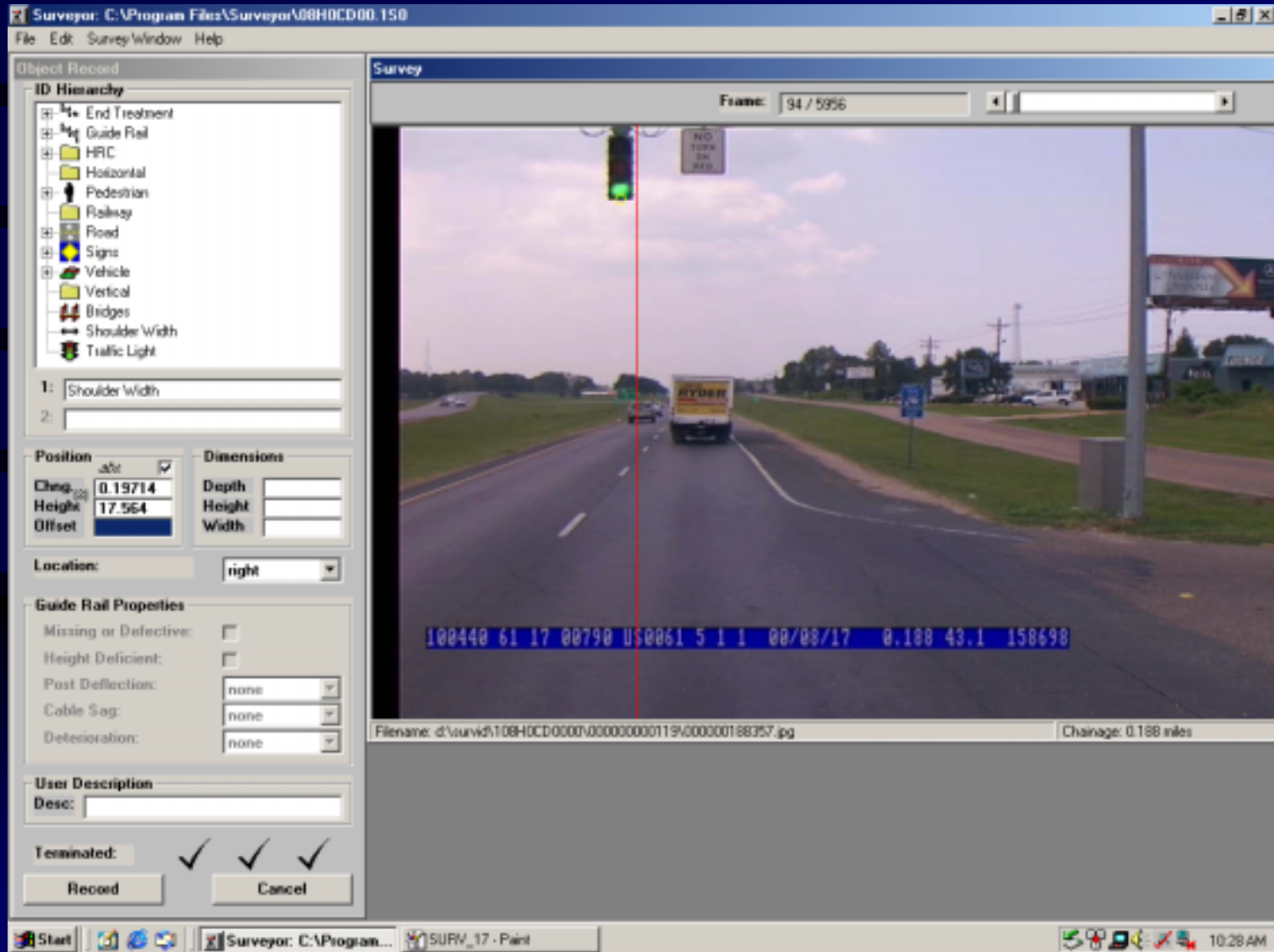
SURVEYOR



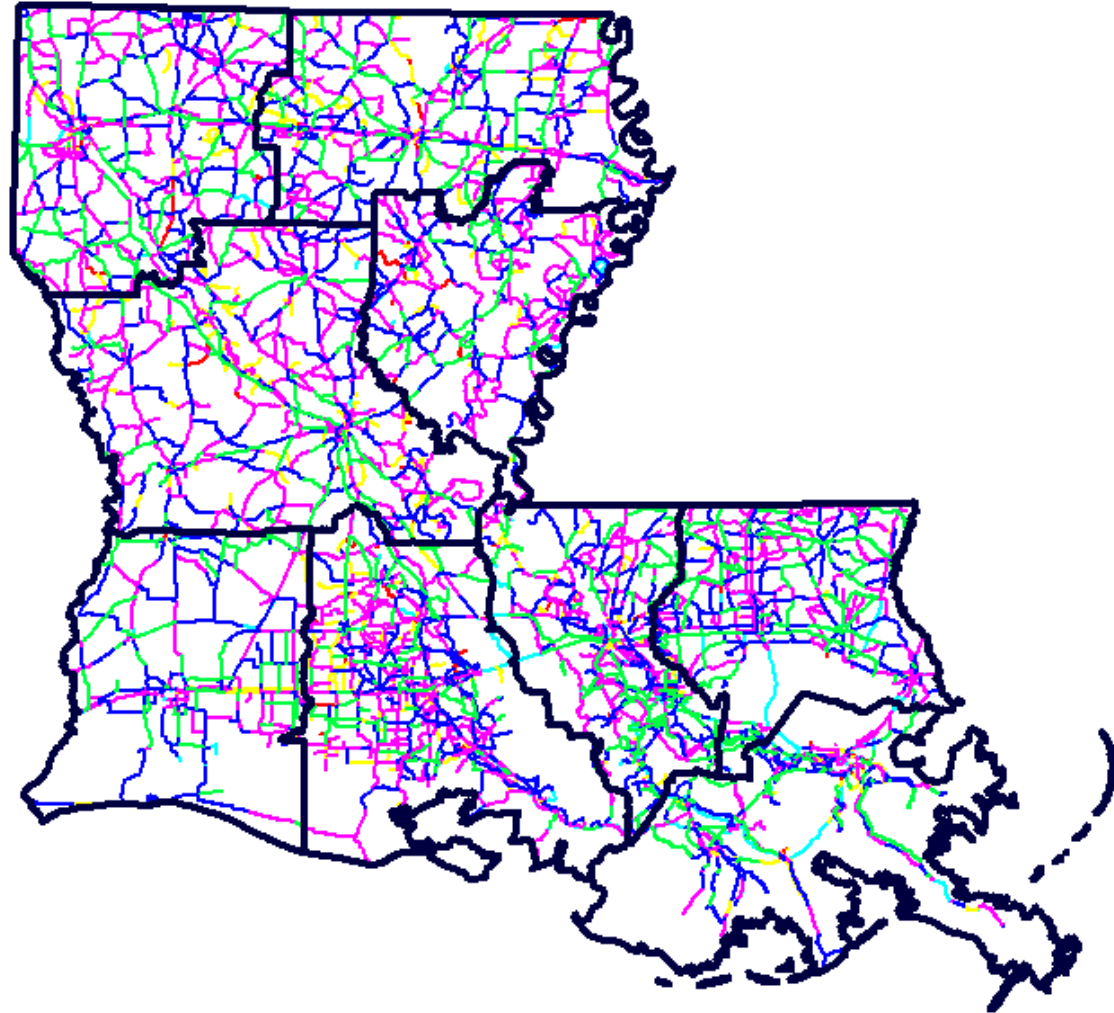
SURVEYOR



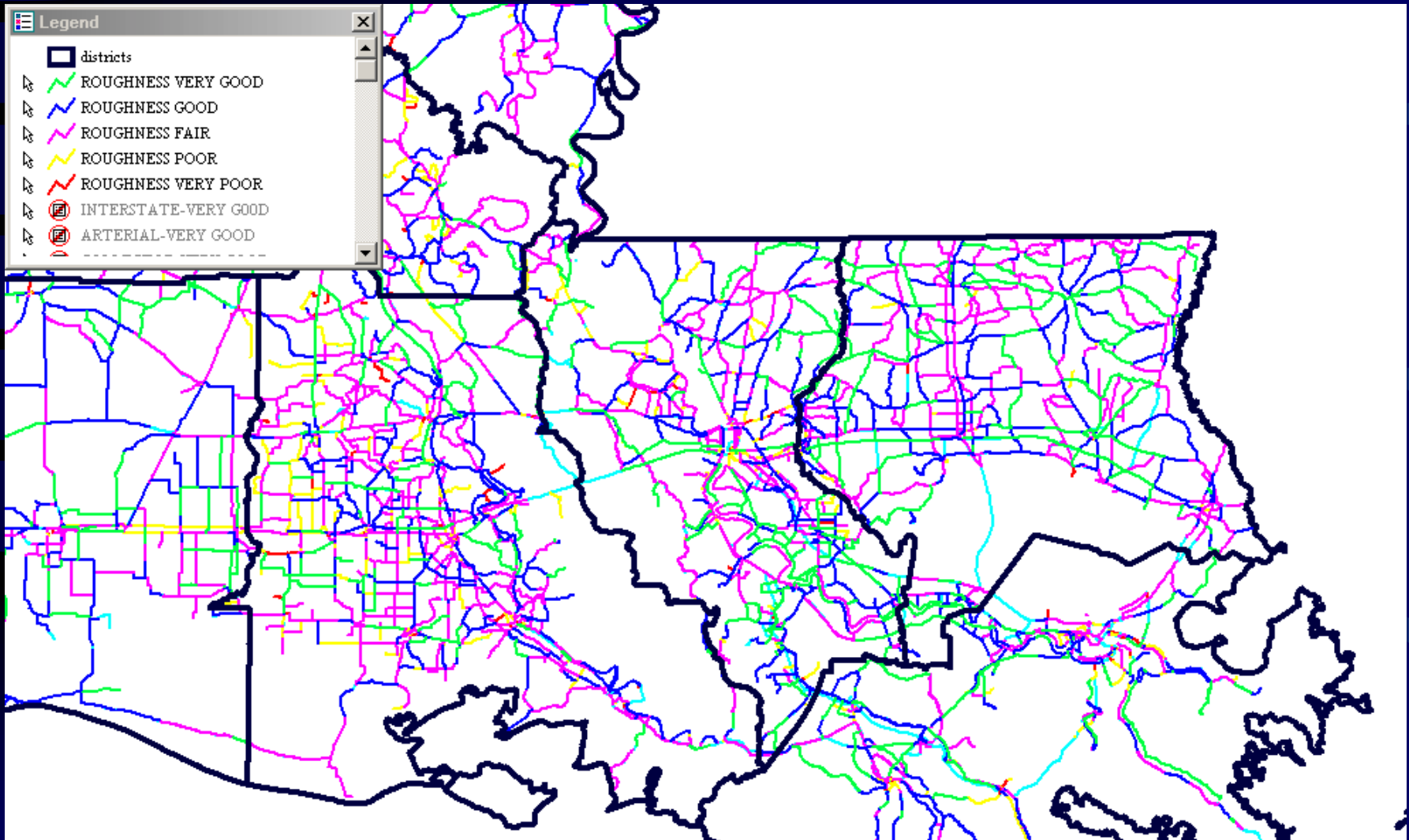
SURVEYOR



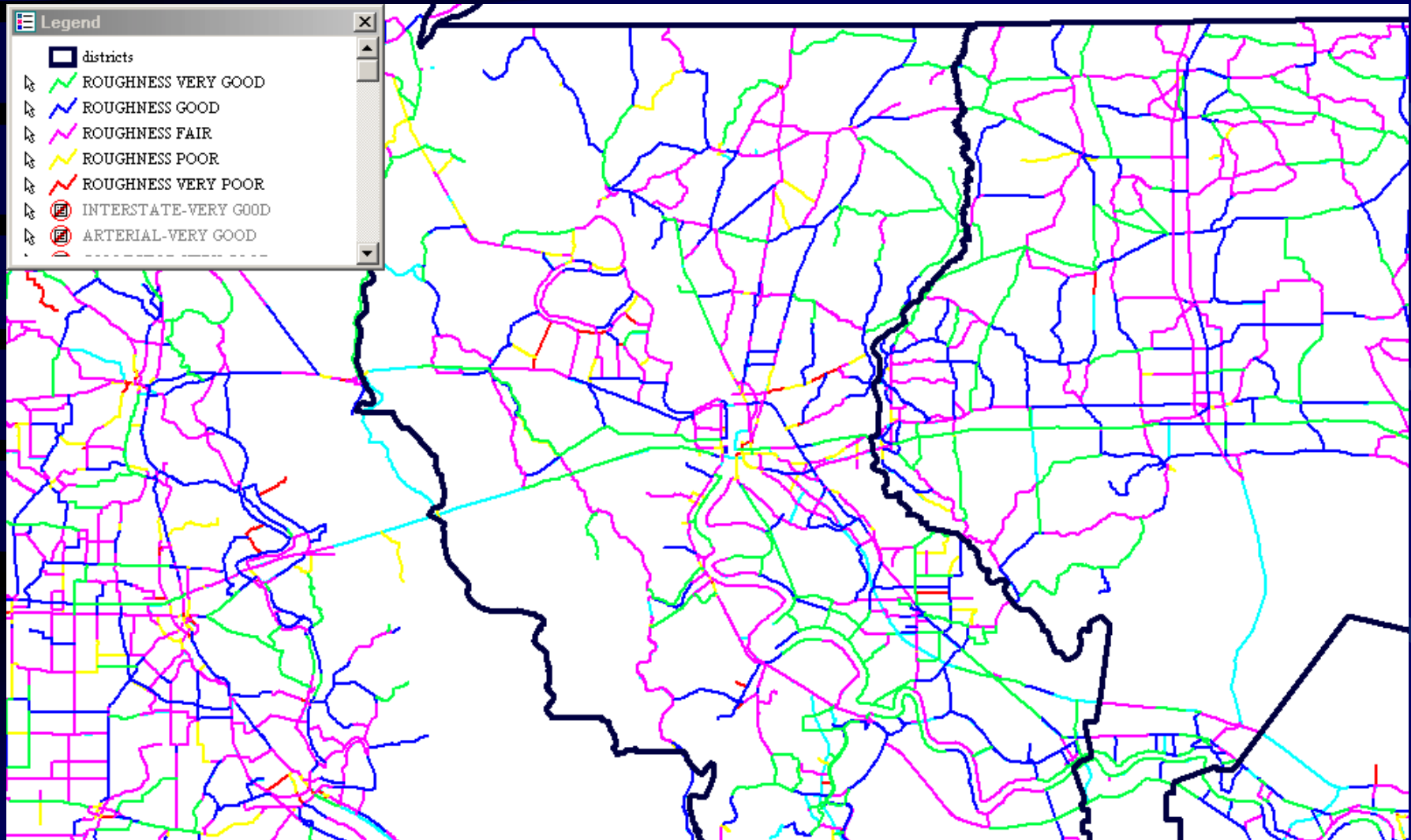
GIS APPLICATION



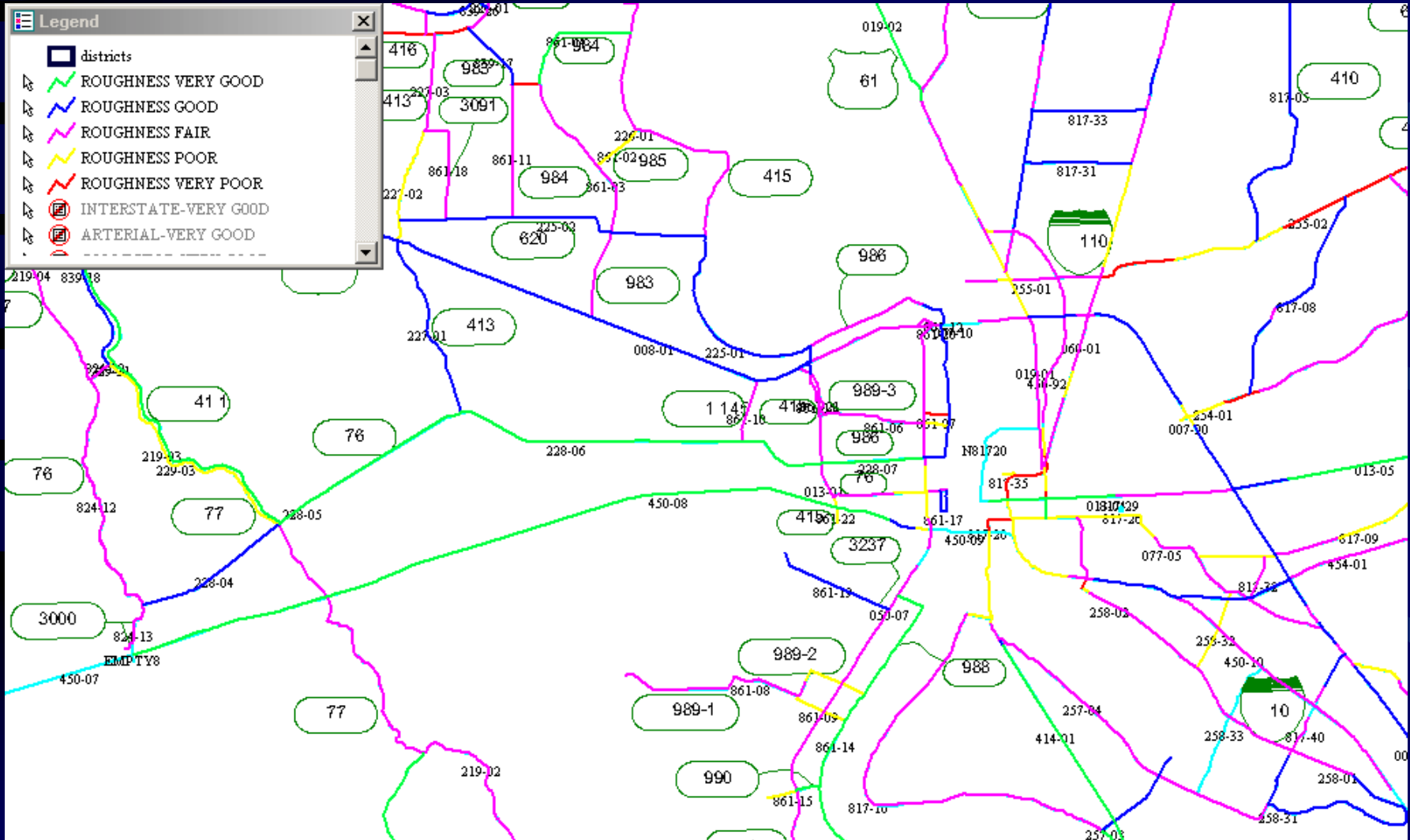
GIS APPLICATION



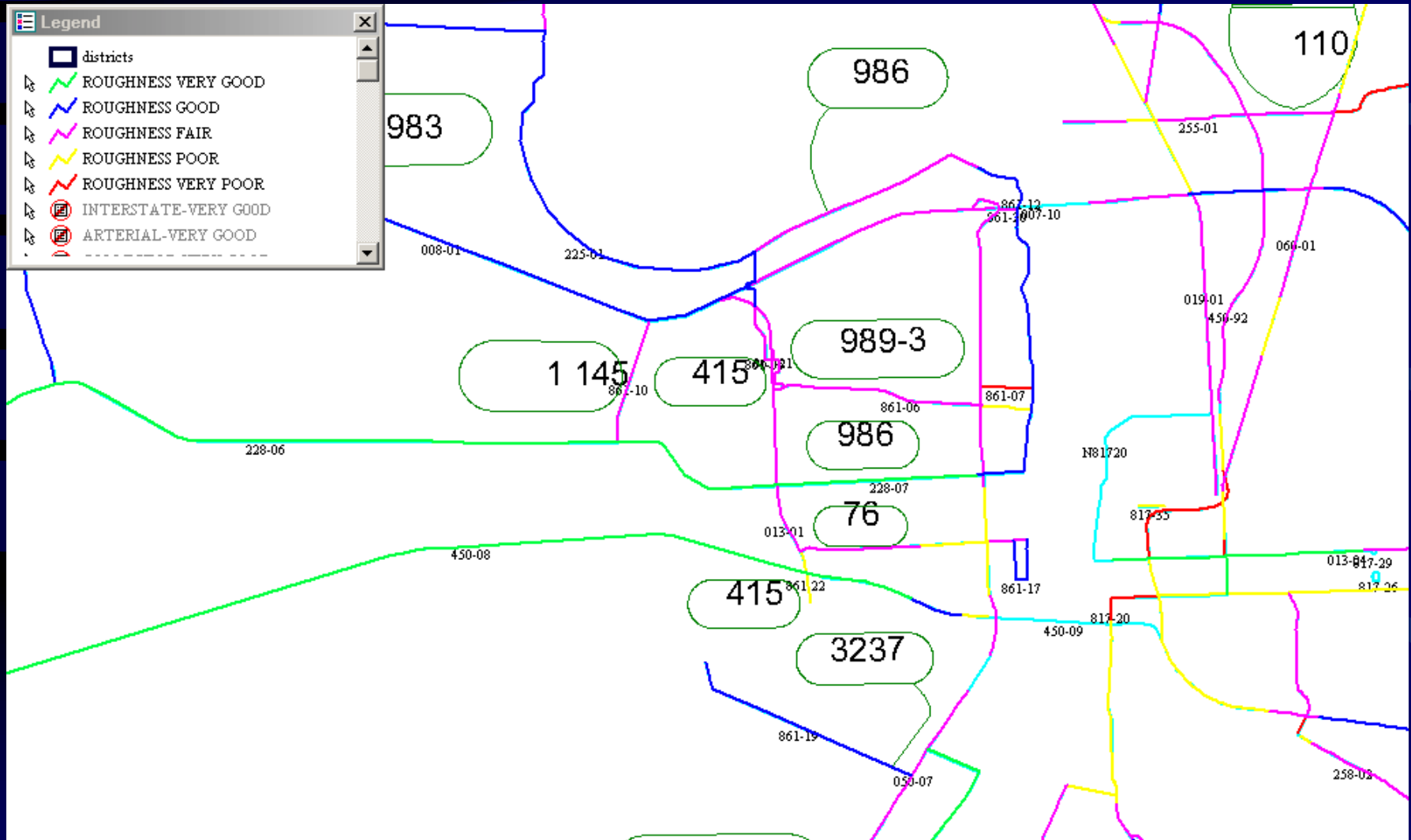
GIS APPLICATION



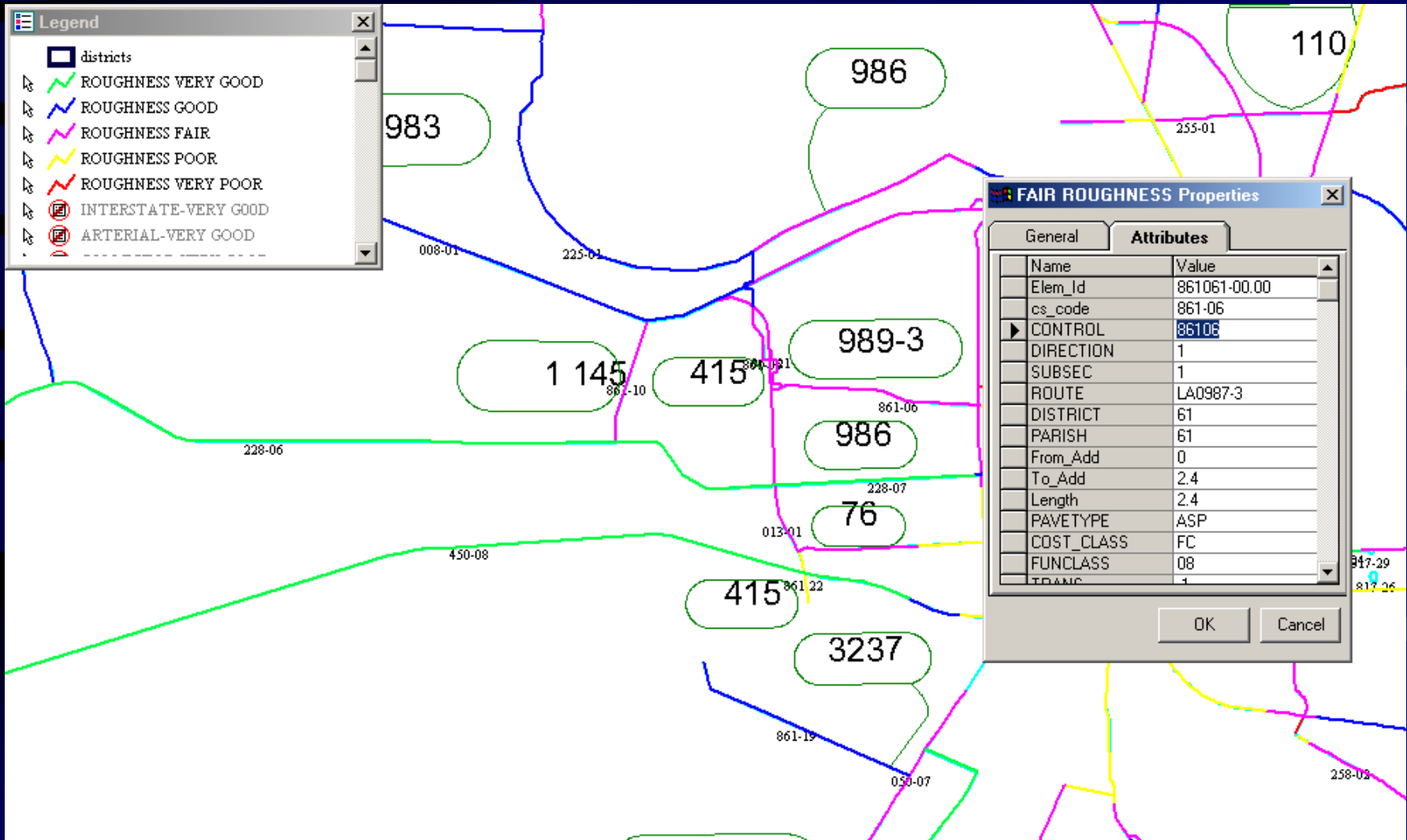
GIS APPLICATION



GIS APPLICATION



GIS APPLICATION



PMS DATA ON THE INTRANET

LADOTD Data Summary Reports



The **Detail Report** lists every record that matches a selection criterion that you will define

[Detail Report](#)

(click icon to view sample)

The **Condition Report** gives a tabular mileage summary by condition and functional class for roads that match a selection criterion that you will define

[Condition Report](#)

(click icon to view sample)

LADOTD Data Summary Reports



Form Navigator

— Detail Report —

1. General Info

2. Filter by Ranges

3. Filter by Groups

4. Other Filter Criteria

LADOTD Detail Report Form

1 General Information

Network:

- Statewide
 District
 Parish

Sort On:

- Route Control Section

Year:

2000

Direction:

- Primary Direction Secondary Direction Both Directions

2 Filter by Ranges

Attribute	Full Range	Min Value (>=)	Max Value (<=)	Unit
Alligator Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Random Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Transverse Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Longitudinal Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Patching Index	<input checked="" type="checkbox"/>			0 to 100
Rutting Index	<input checked="" type="checkbox"/>			0 to 100
Roughness Index	<input checked="" type="checkbox"/>			0 to 100
Overall	<input type="checkbox"/>			

LADOTD Data Summary Reports



Form Navigator

Detail Report

1. General Info

2. Filter by Ranges

3. Filter by Groups

4. Other Filter Criteria

2 Filter by Ranges

Attribute	Full Range	Min Value (>=)	Max Value (<=)	Unit
Alligator Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Random Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Transverse Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Longitudinal Cracking Index	<input checked="" type="checkbox"/>			0 to 100
Patching Index	<input checked="" type="checkbox"/>			0 to 100
Rutting Index	<input checked="" type="checkbox"/>			0 to 100
Roughness Index	<input checked="" type="checkbox"/>			0 to 100
Overall Performance Index	<input checked="" type="checkbox"/>			0 to 100
IRI Value	<input checked="" type="checkbox"/>			Inches/Mile
Rut Depth Value	<input checked="" type="checkbox"/>			Inches
Fault Value	<input checked="" type="checkbox"/>			Inches
AADT	<input checked="" type="checkbox"/>			Vehicles

3 Filter by Groups

Index	All Groups	Very Poor	Poor	Fair	Good	Excellent
Alligator Cracking Index	<input checked="" type="checkbox"/>					
Random Cracking Index	<input checked="" type="checkbox"/>					
Transverse Cracking Index	<input checked="" type="checkbox"/>					
Longitudinal Cracking Index	<input checked="" type="checkbox"/>					

LADOTD Data Summary Reports



Form Navigator

Detail Report

1. General Info

2. Filter by Ranges

3. Filter by Groups

4. Other Filter Criteria

Fault Value	<input checked="" type="checkbox"/>	Inches
AADT	<input checked="" type="checkbox"/>	Vehicles

3 Filter by Groups

Index	All Groups	Very Poor	Poor	Fair	Good	Excellent
Alligator Cracking Index	<input checked="" type="checkbox"/>					
Random Cracking Index	<input checked="" type="checkbox"/>					
Transverse Cracking Index	<input checked="" type="checkbox"/>					
Longitudinal Cracking Index	<input checked="" type="checkbox"/>					
Patching Index	<input checked="" type="checkbox"/>					
Rutting Index	<input checked="" type="checkbox"/>					
Roughness Index	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Performance Index	<input checked="" type="checkbox"/>					

4 Other Filter Criteria

NHS	SHS	RHS	IHS	Funding Class	Pavement Type	Functional Class
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All	All	All

Submit



LADOTD Data Summary Reports



Form Navigator

Detail Report

1. General Info

2. Filter by Ranges

3. Filter by Groups

4. Other Filter Criteria

Road	Route	From	To	From Description	To Description	Section	Section Length	Control Section	Pave Type	IRI_Avg	Alligator Index	Random Index	Patch Index	Rut Index	Ro
001091	US0080	18.670	18.990			001091-18.67	0.32	00109	COM	224	95.5	84.69	99.81	70.2	
006051	US0090	5.290	5.720			005051-05.29	0.43	00605	JCP	265	100	100	100	100	
006021	US0090	0.000	1.680	N END MISS RIVER BR - BEGIN CONTROL		006021-00.00	1.68	00602	COM	227	74.61	80.49	83.25	90.92	
006021	US0090	1.680	3.460		ORLEANS LINE - END CONTROL	006021-01.68	1.78	00602	COM	235	70.73	91.92	86.49	86.2	
007901	US0061	5.840	6.360			007901-05.84	0.54	00790	JCP	250	100	95.26	95.26	98.44	
008031	US0190	10.890	11.290		E END OLD ATCH RIVER BR - END CONTROL	008031-10.89	0.4	00803	JCP	217	100	88.25	88.25	86.05	
011011	US0071	0.220	0.550	JCT LA 173 - CADD0 ST	END ONE WAY COUPLER	011011-00.22	0.33	01101	JCP	273	88.61	83.27	87.88	93.58	
011021	US0071	0.350	0.640			011021-00.35	0.29	01102	COM	233	86.76	78.66	70.14	86.17	
014041	US0165	12.960	15.520			014041-12.96	2.57	01404	COM	200	89.39	61.39	96.21	72.86	
014071	US0165-X	0.000	1.430	BEGIN CONTROL ON N.E. SIDE OF TRAFFIC CIRCLE ON US 165 BUS.		014071-00.00	1.43	01407	JCP	247	98.53	85.38	84.62	98.93	
015031	US0165	5.830	6.210		S JCT LA 8 - END CONTROL	015031-05.83	0.38	01503	COM	220	79.11	87.29	88.47	92.02	
015041	US0165	0.000	0.240	S JCT LA 8 - BEGIN CONTROL		015041-00.00	0.24	01504	ASP	262	90.67	94.33	100	91.8	
015081	US0165-Y	16.210	16.610			015081-16.21	0.4	01508	JCP	204	100	97.25	97.25	99.1	
015081	US0165-Y	17.010	17.120			015081-17.01	0.11	01508	JCP	231	79.91	94.73	95.09	80.98	
016041	US0165	0.000	0.060	JCT LA 139 - WASHINGTON		016041-	0.06	01604	COM	363	84	81	100	81.6	

LADOTD Data Summary Reports



The **Detail Report** lists every record that matches a selection criterion that you will define

[Detail Report](#)

(click icon to view sample)

The **Condition Report** gives a tabular mileage summary by condition and functional class for roads that match a selection criterion that you will define

[Condition Report](#)

(click icon to view sample)

LADOTD Data Summary Reports



Form Navigator

- Condition Report -

1. General Info

2. Other Filter Criteria

LADOTD Condition Report Form

1 General Information

Network:

 Statewide District Parish

Year:

2000

Direction:

 Primary Direction Secondary Direction Both Directions

Report Miles:

 Centreline Miles Lane Miles

2 Other Filter Criteria

Road Class

All

Pavement Type

All

Funding Class

All

Index

Roughness

Submit



[Roughness Index], Centreline miles and filtered by [Data Year] = 2000 And [Direction] = 'P'

- Form Navigator**
 - Condition Report -
- 1. General Info
 - 2. Other Filter Criteria

2 Other Filter Criteria

Road Class	Pavement Type	Funding Class	Index
<input type="text" value="All"/>	<input type="text" value="All"/>	<input type="text" value="All"/>	<input type="text" value="Roughness"/>

[Roughness Index], Centreline miles and filtered by [Data Year] = 2000 And [Direction] = 'P'

Func_Class	Very_Good	Good	Fair	Poor	Very_Poor	Total
Rural Interstate	222	154	209	31	0	616
Rural Other Principal Arterial	278	407	511	20	4	1220
Rural Minor Arterial	453	441	628	81	22	1625
Rural Major Collector	1211	2559	2689	325	68	7032
Rural Minor Collector	461	1045	1638	704	121	4169
RURAL SUBTOTAL	2625	4606	6065	1161	215	14662
RURAL PERCENTS	18	31	41	8	1	100
Urban Interstate	51	68	149	9	1	278
Urban Other Freeways and Expressways	0	0	0	0	0	0
Urban Other Principal Arterial	89	175	353	84	26	729
Urban Minor Arterial	112	210	397	102	46	867
Urban Major Collector	18	51	60	14	2	145
Urban Minor Collector	0	0	0	0	0	0
URBAN SUBTOTAL	270	504	959	209	77	2019
URBAN PERCENTS	13	25	47	10	4	100
TOTAL MILES	2895	5110	7014	1370	292	16681
PERCENT	17	31	42	8	2	100

Next Cycle

- First cycle of data collection has ended and a new cycle of data collection will start on **August, 2002** And end by **May, 2003**.
- Data will be delivered to Districts **June, 2003**.

Implemented

September\October, 2001

- Digital images made available to Districts (clarity, user friendly, accessibility)
- GIS Maps made available to Districts (user friendly, accessibility)
- A 120 Gigabyte of network storage was installed at each District (user friendly, accessibility, simultaneously, more users)

Implemented September\October, 2001

- **CURRENT CONDITIONS/TREATMENTS LIST and PRIORITY LIST** was delivered to the Districts.
- Updated dROAD database was delivered again to the Districts.
- Signalized Intersection Location database with digital Images to Section 45.

Implemented December 2001

- **Asset Management Inventory Items:**
 - Railroad Grade Crossing database indexed by Control Section Log mile including GPS coordinates.
 - Horizontal and Vertical obstruction location database by Control Section Log mile including GPS coordinates.
 - “Surveyor Compatible” digital Images, will be delivered to the Districts.

Implemented December 2001

- **Asset Management Inventory Items continued**
 - Bridge Location Database, with begin and end points by control section log mile and GPS coordinates.
 - Interstate Sign Inventory, including all ramps and 1 mile of all intersecting roads.