



# Illinois Department of Transportation

## Memorandum

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To:	Studies and Plans Squads	PPM 70-02
From:	Craig A. Emberton	By: Tim Brandenburg
Subject:	Vertical Clearances	
Date:	June 21, 2006	

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### PLAN PREPARATION MEMORANDUM 70-02

#### BACKGROUND

This Memorandum provides further guidelines for following State Statutes 625ILCS 5/15-301 to 625ILCS 5/15-319 as it pertains to vertical clearance on Illinois Highways by addressing the required vertical clearance notification as addressed in article 107.09 of the Standard specifications.

625ILCS5/15-301 to 625ILCS 5/15-319 describes permit requirements for vehicles of excess size and weight. The District Operations Design & Plans (ODP) Unit is responsible for coordinating with the Movement Feasibility Unit of the Central Bureau of Operations to ensure the statutes are properly administered. The Movement Feasibility Unit issues all required single trip permits for vehicles, including those with overall heights greater than 15 feet, and annual continuous permits for vehicles with overall heights up to 15 feet.

Article 107.09 of the Standard Specifications for Road and Bridge construction requires notification of vertical clearance changes, which shall include all vertical changes regardless of the height involved. Notifications shall include both permanent and temporary changes. The following procedure separates routine changes in vertical clearance from those locations where vertical clearance changes are critical.

#### PROCEDURE

Facilities where existing vertical clearances are greater than 14 feet 7 inches.

Program Development shall ensure the appropriate vertical clearance applicable to Bureau of Design and Environment Policy (BDE 33-5, 39-4.04, 49-3.09(e) & 50-2.05(b), etc.). Project Implementation's Resident Engineer is responsible for recording the final vertical clearance utilizing statewide form OPER 1306; Vertical Clearances and Overhead Obstructions Region 3 / District 5. This information shall be provided to the ODP Unit upon completion of improvements at each location. Prompt submittal of these changes is appreciated to ensure the department's records of vertical clearances are current.

The ODP unit will coordinate with the Movement Feasibility Unit to update the vertical clearance records.

Facilities where existing vertical clearances are less than or equal to 14 feet 7 inches (Critical Vertical Clearance Facilities in Region 3/District 5 are attached)

To satisfy Operational and Design constraints at these Critical Vertical Clearance Facilities, the following procedure shall be implemented: such facilities will either be omitted, inlayed or patched in order to maintain the vertical clearance. If roadway conditions are adequate to sustain a 10 year period, the location should be omitted. If bituminous resurfacing exists and improvements are warranted, the location should be inlayed to bare pcc pavement or 1 ½" if bituminous is greater than 2 ½" for a distance of 75 feet either side of outside beam at each structure. If bare portland cement concrete pavement exists and improvements are warranted, the location should receive Class B Patching for a distance of 75 feet either side of outside beam at each structure. A discussion of improvements at each facility should be held during the Scoping Field Check and patching locations shall be coordinated with appropriate Operations and Project Implementation Field Engineers.

To provide advance notice of improvements at these "Critical Vertical Clearance" locations, Program Development shall include District Special Provision: VERTICAL CLEARANCE NOTIFICATION.

Project Implementation's Resident Engineer is responsible for recording the final vertical clearance utilizing statewide form OPER 1306; Vertical Clearances and Overhead Obstructions Region 3 / District 5. This information shall be provided to the ODP Unit upon completion of improvements at each location. To allow proper issuance of permits for vehicles and to avoid motorist / structure damage prompt submittal of any changes is appreciated to ensure the department's records of vertical clearances are current.

The ODP unit will coordinate with the Movement Feasibility Unit to update the vertical clearance records and perform a vertical clearance study from the provided information as required.

Attachments:

Critical Vertical Clearance Facilities (Less Than or Equal To 14 feet 7 inches)

70-02.doc

Payt. Sta. y	Mile Marker Sta. x	Structure #	Overhead	Marked Route	Marked Route 1	Mile Marker Route 1	VC LOC	VC Feet	VC Inch	County	Location / Description	Local Community
	245.88	010-0187	R.R. bridge	US 45	US 150	185.86	EB	12	6.00	Champaign	I.C.R.R. bridge	Champaign
	245.88	010-0187	R.R. bridge	US 45	US 150	185.88	WB	12	6.00	Champaign	I.C.R.R. bridge	Champaign
29+50	6.27	010-0015	bridge	IL 47			NB	14	2.00	Champaign	EB I-74 Bridge	Mahomet
448+71	236.78	010-0047	R.R. bridge	US 45			CL	14	3.50	Champaign	Norfolk and Southern R. R. bridge	Tolono
1050+50	231.26	010-0198	bridge	US 45			NB	14	4.00	Champaign	I-57 NB bridge	Rural
30+50	6.29	010-0014	bridge	IL 47			NB	14	5.00	Champaign	WB I-74 Bridge	Mahomet
1149+30	231.24	010-0198	bridge	US 45			SB	14	5.50	Champaign	I-57 SB bridge	Rural
	13.01	020-9901	R. R. bridge	US Bus. 51			CL	13	11.00	Dewitt	Illinois Central R. R. bridge	Clinton
	52.34	020-9902	R.R. bridge	IL 10			CL	14	1.00	Dewitt	Illinois Central R. R. bridge	Clinton
	53.31	020-9903	R.R. bridge	IL 10	IL 54	41.62	CL	14	4.00	Dewitt	Illinois Central R. R. bridge	Clinton
	174.89	021-9900	R. R. bridge	US 36			CL	14	1.00	Douglas	at Union Pacific bridge	Rural
	175.50	021-0094	bridge	US 36			CL	14	2.00	Douglas	US 45 bridge	Tuscola
	175.51	021-9901	R. R. bridge	US 36			CL	14	2.00	Douglas	Illinois Central bridge	Tuscola
1651+50	207.8	023-9901	R.R. Bridge	US 36			CL	13	10	Edgar	Conrail R. R. Bridge	
		057-0065	Bridge					12	11	McLean	FAI 55 Business Loop over Bunn Street	
		057-0009	Bridge					14	2	McLean	FAI 55/FAI 74 over FAU 6369	
		057-0004	Bridge					14	3.00	McLean	FAI 55 NBL over FAI Business Loop	
		057-0048	Bridge					14	5	McLean	FAI 74 WB over US 51	
		057-0216	Bridge					14	5	McLean	FAI 57 over TR 201B	
		057-0217	Bridge					14	5	McLean	FAI 57 over TR 201B	
		057-0029	Bridge					14	5	McLean	FAI SB over FAU 6405	
		057-0025	Bridge					14	6	McLean	FAI 55 & US 51B over US 51B	
		057-0205	Bridge					14	6	McLean	FAI 39 over FAS 472	
		057-0206	Bridge					14	6	McLean	FAI 39 over FAS 472	
		057-0030	Bridge					14	8	McLean	FAI 55 & US 66 over FAI Bus/Vet Pkwy	
		057-0234	Bridge					14	9	McLean	FAI 55 over Suddith RD	
		057-0233	Bridge					14	9	McLean	FAI 55 over Suddith RD	
		057-0028	Bridge					15	1	McLean	FAI NB over FAU 6405	
597+60	218.86	0920052	R.R. bridge	US 150			CL	13	11.50	Vermillion	Conrail RR Structure	Danville
40+28	224.30	092-0056	R.R. bridge	US 136			CL	14	0.00	Vermillion	CSX RR	Danville
691+65	199.42	092-0044	R.R. bridge	IL 9			CL	14	2.50	Vermillion	UP RR Bridge	Rural

*CRITICAL VERTICAL CLEARANCE FACILITIES*