



# Illiana Corridor

## TIER TWO DRAFT ENVIRONMENTAL IMPACT STATEMENT



Tier Two

January 2014



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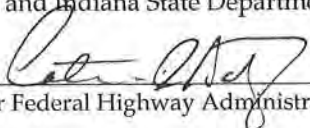
**Illiana Corridor**  
**Will and Kankakee Counties, Illinois, and Lake County, Indiana**  
**TIER TWO DRAFT ENVIRONMENTAL IMPACT STATEMENT**

Submitted Pursuant to 42 USC 4332 (2)(c) and 49 USC 303 by  
the US Department of Transportation, Federal Highway Administration,  
Illinois Department of Transportation, and Indiana Department of Transportation


Cooperating Agencies

US Army Corps of Engineers - Chicago District, US Coast Guard District 8 (St. Louis),  
US Department of Agriculture - Forest Service, US Department of the Interior, Fish and Wildlife Service,  
US Environmental Protection Agency, Illinois Department of Natural Resources,  
Illinois Historic Preservation Agency, Indiana Department of Natural Resources, Division of Historic  
Preservation and Archaeology, and Indiana State Department of Agriculture

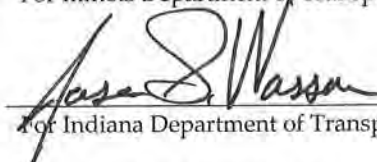
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For Federal Highway Administration

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For Illinois Department of Transportation

1/9/2014  
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Date of Approval

  
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For Indiana Department of Transportation

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The Illinois Department of Transportation (IDOT), Indiana Department of Transportation (INDOT), and Federal Highway Administration (FHWA) propose a transportation solution to improve regional mobility, address local system deficiencies, and provide efficient movement of freight in the Illiana Corridor between I-55 on the west and I-65 on the east. This Tier Two Draft Environmental Impact Statement (DEIS) considers three mainline alternatives, along with a No-Action Alternative. In addition, six interchange design options at IL-53 are under consideration. Ten other interchanges (seven in Illinois and three in Indiana) are planned.

The alternatives are comparable in length at approximately 50.5 miles. Wetland impacts range between 62.37 and 75.64 acres for Alternatives 1 and 2, respectively, with Alternative 3 at 69.76 acres. Impacts to High Quality Aquatic Resources vary from 27.50 acres for Alternative 1, 38.76 acres for Alternative 2, and 28.45 acres for Alternative 3. Floodplain fill volumes are similar, at 182.9 acre-feet for Alternative 1, 185.5 acre-feet for Alternative 2, and 183.0 acre-feet for Alternative 3. The area of streams impacted is also similar at 5.52 acres for Alternative 1, 5.67 acres for Alternative 2 and 5.69 acres for Alternative 3. Common adverse effects include impacts to the federally endangered sheepsnose mussel and the northern long-eared bat (proposed); 9.43 acres of noteworthy prairie; and, a Section 4(f) *de minimis* impact to the Wauponsee Glacial Trail. Alternative 1 with Design Option 4 is the Preferred Alternative.

FHWA will issue a single Final EIS and Record of Decision document pursuant to Pub. L. 112-141, 126 Stat. 405, Section 1319(b) unless FHWA determines statutory criteria or practicability considerations preclude issuance of the combined document pursuant to section 1319.

Comments on this Tier Two DEIS should be submitted by March 10, 2014 and should be directed to Mr. John Fortmann, P.E., IDOT at 201 West Center Court, Schaumburg, IL 60196, or Mr. James Earl, P.E., INDOT at 100 North Senate Avenue, IGCN 642, Indianapolis, IN 46204. Comments may also be submitted through email at: [john.fortmann@illinois.gov](mailto:john.fortmann@illinois.gov), [jearl@indot.in.gov](mailto:jearl@indot.in.gov), or via the Illiana Corridor web site at: <http://illianacorridor.org>.



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## List of Acronyms and Abbreviations

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AADT	Average Annual Daily Traffic	AQ	Aesthetic Quality
AAR	Association of American Railroads	ARP	Archaeological Research Program
AASHTO	American Association of State Highway and Transportation Officials	ASTM	American Society for Testing and Materials
ACF	Alternatives Carried Forward	BDE	Bureau of Design and Environment
ACG	The al Chalabi Group, Ltd.	BGEPA	Bald and Golden Eagle Protection Act
ACS	American Community Survey	BMPs	Best Management Practices
ACHP	Advisory Council on Historic Preservation	BNSF	Burlington Northern Santa Fe Railway
ACFTM	Alternatives to be Carried Forward Technical Memorandum	BSS	Biologically Significant Stream
ADA	Americans with Disabilities Act	CAA	Clean Air Act
ADT	Average daily traffic	CCDD	Illinois Clean Construction and Demolition Debris
AER	Alternatives Evaluation Report	CD	Collector-Distributor
AES	Applied Ecological Services	CED	Center for Economic Development
AIMS	Assessment Information Management System Database	CEQ	Council on Environmental Quality
AL	Aquatic Life	CERCLA	Comprehensive Environmental Response Compensation and Liability Information Act
APWA	American Public Works Association	CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
AUID	Assessment Unit Identification	CFR	Code of Federal Regulations
AOA	Airport Operations Area	cfs	Cubic Feet Per Second
APE	Area of Potential Effects		

CH <sub>4</sub>	Methane	DPSCA	Des Plaines State Conservation Area
CMAP	Chicago Metropolitan Agency for Planning	DPSFWA	Des Plaines State Fish and Wildlife Area
CMP	Congestion Management Process	EcoCAT	Ecological Compliance Assessment Tool
CN	Canadian National Railroad	EDC	Economic Development Council
CO	Carbon Monoxide	EIS	Environmental Impact Statement
CO <sub>2</sub>	Carbon Dioxide	EJ	Environmental Justice
COA	Conservation Opportunity Area	EMS	Emergency Management Services
ComEd	Commonwealth Edison	EPCRA	Emergency Planning and Community Right-to-Know Act
COSIM	Carbon Monoxide Screen for Intersection Modeling	ESA	Endangered Species Act
CPG	Corridor Planning Group	FAA	Federal Aviation Administration
CREATE	Chicago Region Environmental and Transportation Efficiency	FBC	Full Body Contact
CREP	Conservation Reserve Enhancement Program	FC	Fish Consumption
CRP	Conservation Reserve Program	FEIS	Final Environmental Impact Statement
CSS	Context Sensitive Solutions	FEMA	Federal Emergency Management Agency
CWA	Clean Water Act	FHWA	Federal Highway Administration
dB(A)	A-Weighted Decibel	FIRMs	Flood Insurance Rate Maps
DEIS	Draft Environmental Impact Statement	FIS	Flood Insurance Study
DHPA	Indiana Division of Historic Preservation and Archaeology	FPDWC	Forest Preserve District of Will County
DNR	Department of Natural Resources	FRA	Federal Railroad Administration
DOA	Department of Agriculture	FTA	Federal Transit Administration
DOW	Division of Water		

GARVEE	Grant Anticipate Revenue Vehicle Bond	ILOIL	Illinois Oil and Gas Resources
GHG	Greenhouse Gas	IMTA	Indiana Motor Truck Association
GIS	Geographic Information System	INAI	Illinois Natural Areas Inventory
GPTC	Gary Public Transit Corporation	INDOT	Indiana Department of Transportation
GRP	Gross Regional Product	INHS	Illinois Natural History Survey
GSU	Governors State University	IO Model	Input Output Model
HC	Hydrocarbons	IPSAWG	Invasive Plant Species Assessment Work Group
HHS	US Department of Health and Human Services	INSGS	Indiana State Geological Survey
HOT	High Occupancy Toll	ISA	Initial Site Assessment
HOV	High Occupancy Vehicle	ISAS	Illinois State Archaeological Survey
HUC	Hydrologic Unit Code	ISGS	Illinois State Geological Survey
I&M	Illinois and Michigan	ISM	Illinois State Museum
IAC	Indiana Administrative Code	ISTHA	Illinois State Toll Highway Authority
IBI	Index of Biotic Integrity	ITS	Intelligent Transportation Systems
IC	Indiana Code	INVEST	Infrastructure Voluntary Evaluation Sustainability Tool
IDEM	Indiana Department of Environmental Management	IWPA	Interagency Wetland Protection Act
IDOT	Illinois Department of Transportation	JATA	Joliet Army Training Area
IEPA	Illinois Environmental Protection Agency	JADA	Joliet Arsenal Development Authority
IHPA	Illinois Historic Preservation Agency	KATS	Kankakee Area Transportation Study
IHSSI	Indiana Historic Sites and Structures Inventory		
IIBS	Illinois Inventory of Burial Sites		
ILCS	Illinois Compiled Statutes		



KCRPC	Kankakee County Regional Planning Commission	MTP	Metropolitan Transportation Plan
LBP	Lead-based paint	N <sub>2</sub> O	Nitrous Oxide
LCDB	Lake County Drainage Board	NAAQS	National Ambient Air Quality Standard
LID	Low-Impact Development	NAC	Noise Abatement Criteria
LRMP	Land Resource Management Plan	NAFTA	North American Free Trade Agreement
L RTP	Long Range Transportation Plan	NASS	National Agricultural Statistics Service
LQG	Large Quantity Hazardous Waste Generator	NCHRP	National Cooperative Highway Research Program
LUST	Leaking Underground Storage Tank	NEG	New Economic Geography
LWCF	Land and Water Conservation Fund Act of 1965	NEPA	National Environmental Policy Act
MAP-21	Moving Ahead for Progress in the 21st Century Act	NESCA	Nongame and Endangered Species Conservation Act
MBTA	Migratory Bird Treaty Act	NFIP	National Flood Insurance Program
MMI	Modified Mercalli Intensity	NFRAP	No Further Remediation Action Planned
MOA	Memorandum of Agreement	NGVD	National Geodetic Vertical Datum
MOU	Memorandum of Understanding	NHL	National Historic Landmark
mph	Miles Per Hour	NHPA	National Historic Preservation Act
MPO	Metropolitan Planning Organization	NICTD	Northern Indiana Commuter Transit District
MPSD	Municipal Point Source Discharge	NIPC	Northeastern Illinois Planning Commission
MSATs	Mobile Source Air Toxics	NIRo	Northwest Indiana Robotic Telescope

NIRPC	Northwestern Indiana Regional Planning Commission	PAHs	Polycyclic Aromatic Hydrocarbons
		Pb	Lead
NO <sub>2</sub>	Nitrogen Dioxide	PC	Primary Contact
NO <sub>x</sub>	Oxides of Nitrogen	PEM	Palustrine Emergent Wetland
NOI	Notice of Intent		
NPDES	National Pollutant Discharge Elimination System	PESA	Preliminary Environmental Site Assessment
NPL	National Priorities List	PFO	Palustrine Forested Wetland
NPS	National Park Service		
NRCS	Natural Resources Conservation Service	PM	Particulate Matter
		PM <sub>10</sub>	Particulate Matter less than 10 micrometers in diameter
NRHP	National Register of Historic Places		
NRI	Nationwide Rivers Inventory	PM <sub>2.5</sub>	Particulate Matter less than 2.5 micrometers in diameter
NS	Norfolk Southern Railroad	ppm	parts per million
NWI	National Wetland Inventory	PSG	Project Study Group
		PSS	Palustrine Scrub-Shrub Wetland
O <sub>3</sub>	Ozone		
ORC	Office of Resource Conservation	PUB	Palustrine Unconsolidated Bottom Wetland
ORV	Outstandingly Remarkable Value	PWSS	Public Water Supply Systems
OSFM	Office of the Illinois State Fire Marshall	RBA	Regional Bus Authority
OSLAD	Open Space Land Acquisition and Development	RCP	Resource Conservation Priorities
		RCRA	Resource Conservation and Recovery Act
OWR	Office of Water Resources		
P3	Public-private partnership	RCRIS	Resource Conservation and Recovery Information System
PA	Programmatic Agreement		
PAB	Private Activity Bond	RDF	Recycling and Disposal Facility

REC	Recognized Environmental Condition	STAA	Surface Transportation Assistance Act
RF	Radio Frequency	STIP	Statewide Transportation Improvement Plan
ROD	Record of Decision		
ROW	Right of Way	SWANCC	Solid Waste Agency of Northern Cook County
RVM	River Valley Metro	SWCD	Soil and Water Conservation District
RTA	Regional Transportation Authority	SWG	State Wildlife Grant
RTP	Regional Transportation Plan	SWPPP	Storm Water Pollution Prevention Plan
SAFETEA-LU	Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users	SWS	SouthWest Service
		TDS	Total Dissolved Solids
SC	Secondary Contact	TCM	Transportation Control Measure
SHAARD	Indiana State Historic Architectural and Archaeological Research Database	TEA	Transportation Equity Act
		TEU	Twenty-foot Equivalent Units
SHPO	State Historic Preservation Office	THT	Truck hours of travel
SIB	State Infrastructure Bank	TIFIA	Transportation Infrastructure Finance and Innovation Act
SIP	State Implementation Plan		
		TIP	Transportation Improvement Program
SLCC	South Lake County Community	TMA	Transportation Management Area
SO <sub>2</sub>	Sulfur Dioxide		
SOV	Single Occupancy Vehicle	TMDL	Total maximum daily load
SR	State Route		
SRP	Site Remediation Program	TRI	Toxic Release Inventory
		TSM	Transportation System Management
SSA	South Suburban Airport		
SSMMA	South Suburban Mayors and Managers Association	TSPR	Transportation System Performance Report
		TSS	Total Suspended Solids
SSURGO	Soil Survey Geographic Database	TTF	Technical Task Force

TUC	Transportation/Utility Corridor	UST	Underground Storage Tank
UNT	Unnamed Tributary	V/C	Volume to capacity
UPRR	Union Pacific Railroad	VHT	Vehicle hours of travel
USACE	US Army Corps of Engineers	VMT	Vehicle miles of travel
U.S.C.	US Code	VOC	Volatile Organic Compounds
USCG	US Coast Guard	vpd	Vehicles Per Day
USDA	US Department of Agriculture	VRP	Voluntary Remediation Program
USDOT	US Department of Transportation	WAP	Wildlife Action Plan
USEIA	US Energy Information Administration	WCRP	Wildlife Conservation and Restoration Program
USEPA	US Environmental Protection Agency	WHPA	Wellhead Protection Area
USFS	US Forest Service	WQC	Water Quality Certification
USFWS	US Fish and Wildlife Service	WWTP	Waste Water Treatment Plant
USGS	US Geological Survey		