Proposed Survey Schedule For [Illinois]

		2006 Su	rveys		
Species & Status	Approximate Survey Dates	Specific Survey Areas (by County & MP)	Survey Description	Surveyor	Comments
Indiana Bat	Habitat	Survey areas to be provided	Habitat	Qualified ENSR	Occurrence
Myotis sodalist	assessment:	by Russ Rommé, Indiana Bat	evaluations will	biologist and/or	survey areas will
-	15-August to	expert.	be conducted	contractor.	be refined based
FE; IL-E	tree leaf-off		within the		on the 2006
			construction		habitat
	Occurrence		ROW to		assessment.
	surveys:		characterize		
	15-May to 15-		habitat quality		See attached
	August		for potential		study plan and
			roosting habitat		survey protocol.
			for this species.		
Massasauga	Late	Survey areas to be provided	Habitat	Qualified ENSR	Potential surveys
Sistrurus	Summer/Fall	by species expert	evaluations will	biologist and/or	areas will be
catanatus			be conducted	contractor.	refined based on
			within the		habitat surveys.
FC; IL-E			construction		
			ROW to identify		See attached
			potential habitat		survey protocol.
			for this species.		
Kirtland's	Late	Survey areas to be provided	Habitat	Qualified ENSR	Potential surveys
snake	Summer/Fall	by species expert	evaluations will	biologist and/or	areas will be
Clonophis			be conducted	contractor.	refined based on
kirtlandi			within the		habitat surveys.
			construction		
IL-T			ROW to identify		See attached
			potential habitat		survey protocol.
			for this species.		
Illinois chorus	Late	Survey areas to be provided	Habitat	Qualified ENSR	Potential surveys
frog	Summer/Fall	by species expert	evaluations will	biologist and/or	areas will be
Pseudacris			be conducted	contractor.	refined based on
strecheri illino			within the		habitat surveys.
			construction		0
IL-T			ROW to identify		See attached
			potential habitat		survey protocol.
			for this species.	1	1

	2007 Surveys					
Species & Status	Approximate Survey Dates	Specific Survey Areas (by County & MP)	Survey Description	Surveyor	Comments	
Indiana Bat Myotis sodalist	Occurrence surveys: 15-May to 15-	Survey areas to be provided by Russ Rommé, Indiana Bat expert.	Complete habitat evaluations	Qualified contractor.	See attached study plan and survey protocol.	
FE; IL-E	August	(Occurrence survey areas will	within the construction			

		be refined based on the 2006	ROW to identify		
		habitat assessment)	potential habitat		
		Habitat assessifiettij	for these		
			species, if		
			needed.		
			needed.		
			Conduct		
		:	occurrence		
			surveys/ mist		
			netting activities		
			within identified		
			survey areas for		
			this species.		
Massasauga	Survey period:	Survey areas to be provided	Complete	Qualified ENSR	See attached
Sistrurus	April, May,	by species expert	habitat	biologist and/or	survey protocol.
catanatus	June, and		evaluations	contractor.	
	October.	(Survey areas will be refined	within the		
FC; IL-E		based on the 2006/2007	construction		
	(Push for	habitat surveys)	ROW to identify		
	October		potential habitat		
	surveys to		for this species.		
	determine if den				
	sites occur		Surveys will be		
	within		conducted to		
	construction		determine		
	ROW)		presence of this		
			species within		
			the construction		
			ROW.		
Kirtland's	(need to identify	Survey areas to be provided	Complete	Qualified ENSR	See attached
snake	survey period)	by species expert	habitat	biologist and/or	survey protocol.
Clonophis			evaluations	contractor.	
kirtlandi		(Survey areas will be refined	within the		
		based on the 2006/2007	construction		
IL-T		habitat surveys)	ROW to identify		
			potential habitat		
			for this species.		
			Surveys will be		
			conducted to		
			determine		
			presence of this		
			species within		
			the construction		
			ROW.		
Illinois chorus	(need to identify	Survey areas to be provided	Complete	Qualified ENSR	See attached
frog	survey period)	by species expert	habitat	biologist and/or	survey protocol.
Pseudacris			evaluations	contractor.	
strecheri illino		(Survey areas will be refined	within the		
		based on the 2006/2007	construction		
IL-T		habitat surveys)	ROW to identify		

Spring ladies'	Flowering	Madison: 1017.1-1022.8,	One survey will	Qualified ENSR	See attached
Royal catchfly Silene regia IL-E	Flowering period: (need to identify survey period)	Madison: 1025.4-1033.4, 1038.3-1044.8.	One survey will be conducted during the flowering period to determine presence within the construction ROW.	Qualified ENSR biologist and/or contractor	See attached survey protocol. (2008 pre-construction surveys would only be required in areas where this species was observed in 2007)
David octobily	Flourering	Modicon: 1025 4 1023 4	ROW.	Qualified ENSP	species was observed in 2007)
IL-T			to determine presence within the construction		construction surveys would only be required in areas where this
Tradescantia bracteata	to 1-June.	1044.8.	during the flowering period	contractor	(2008 pre-
Prairie spiderwort	Flowering period: 1-May	Madison : 1025.4-1025.5, 1038.3-1038.6, 1044.5-	One survey will be conducted	Qualified ENSR biologist and/or	See attached survey protocol.
					species was observed in 2007)
		delineations.	the construction ROW.		only be required in areas where this
FT; IL-E		Data pending from wetland	presence within		surveys would
leucophaea	July.	Marion: data pending.	flowering period to determine		(2008 pre-
Platanthera	June to mid-	Madison: data pending.	during the	contractor	
Eastern fringed orchid	Flowering period: Late-	Bond: data pending. Fayette: data pending.	One survey will be conducted	Qualified ENSR biologist and/or	See attached survey protocol.
				0 15 15100	species was observed in 2007)
			ROW.		areas where this
FT; IL-T			presence within the construction		surveys would only be required in
		delineations.	to determine		construction
decurrens	September 30.	Data pending from wetland	flowering period		(2008 pre-
false aster Boltonia	period: Late August to	1036.4-1041.8; data pending.	be conducted during the	biologist and/or contractor	survey protocol.
Decurrent	Flowering	Madison: 1017.1-1022.8,	One survey will	Qualified ENSR	See attached
			the construction ROW.		
			species within		:
			presence of this		
			conducted to determine		
			Surveys will be		
			for this species.		
			potential habitat		

tresses	period: Late	1036.4-1041.8; data pending.	be conducted	biologist and/or	survey protocol.
Spiranthes	summer to early		during the	contractor	
vernalis	fall.	Data pending from wetland	flowering period		(2008 pre-
		delineations.	to determine		construction
IL-E			presence within		surveys would
			the construction		only be required in
			ROW.		areas where this
					species was
					observed in 2007)

	2008 Surveys (Pre-construction)						
Species & Status	Approximate Survey Dates	Specific Survey Areas (by County & MP)	Survey Description	Surveyor	Comments		
River otter Lontra Canadensis	Denning season: March through September	Bond: 1050.8 (Shoal Creek). Fayette: 1065 - 1068.1 (Carlyle WMA).	One ground survey prior to construction.	Qualified ENSR biologist and/or contractor.	This survey will not be required if construction occurs outside of		
IL-E					the breeding season for these species.		
Bald eagle Haliaeetus Ieucocephalus	Nesting period: 1-Jan to 15- July.	Bond: 1055.3 - 1055.6 (Lake Lola), 1063 (waterbody). Fayette: 1065 - 1068.1 (Carlyle WMA).	One ground survey or aerial survey prior to construction.	Qualified ENSR biologist and/or contractor.	This survey will not be required if construction occurs outside of		
FT; IL-T	Winter roosting period: 1-Nov. to 1-April.	Madison: 1016.5 - 1017.6, 1041.5 - 1041.7 (Mississippi River), (Silver Lake).	Survey will be conducted 1-mile from the construction ROW.		the breeding/ winter roost seasons for this species.		
Barn owl	Nesting period:	All barns and other old	Surveys will be	Qualified ENSR	See attached survey protocol. This survey will		
Tyto alba	1-March to 31- July.	buildings that would be directly impacted by	conducted at old buildings	biologist and/or contractor.	not be required if construction		
IL-E		construction.	and barns that are in the path of the pipeline, for presence of adults and/or		occurs outside of the breeding season for this species.		
			nests/young.		See attached survey protocol.		
Henslow sparrow Ammodramus henslowii	Nesting period: 15- April to 31- July.	Madison: 1025.4-1033.4, 1038.3-1044.8.	One ground survey or aerial survey prior to construction. Survey will be conducted 200	Qualified ENSR biologist and/or contractor.	This survey will not be required if construction occurs outside of the breeding season for this		
1L-L			feet from the construction ROW,		species. See attached		

			depending on		survey protocol.
			depending on access.		
Least bittern	Nesting period:	Fayette: 1064.7-1068.1	One ground	Qualified ENSR	This survey will
Ixobrychus	May 1 to July	(Carlyle WMA).	survey or aerial	biologist and/or	not be required if
exilis	15.	Madison: data pending.	survey prior to	contractor.	construction
			construction.		occurs outside of
IL-T		(Data pending based on wet	Survey will be		the breeding
		delineation surveys)	conducted 200		season for this
		• ,	feet from the		species.
			construction		•
			ROW,		See attached
			depending on		survey protocol.
			access.	:	
Loggerhead	Nesting period:	Bond: 1048.7-1059.9.	One ground	Qualified ENSR	This survey will
shrike	1-March to 15-		survey or aerial	biologist and/or	not be required if
Lanius	June.		survey prior to	contractor.	construction
ludovicianus			construction.		occurs outside of
			Survey will be		the breeding
IL-T			conducted 200		season for this
			feet from the		species.
			construction		
			ROW,		See attached
			depending on		survey protocol.
			access.		
Pied-billed	Nesting period:	Fayette: 1064.7-1068.1	One ground	Qualified ENSR	This survey will
grebe	1-April to July	(Carlyle WMA).	survey or aerial	biologist and/or	not be required if
Podilymbus	31		survey prior to	contractor.	construction
podiceps			construction.		occurs outside of
			Survey will be		the breeding
IL-T			conducted 200		season for this
			feet from the		species.
			construction		
			ROW,		See attached
			depending on		survey protocol.
			access.		
Massasauga	Survey period:	Survey areas to be provided	Surveys will be	Qualified ENSR	See attached
Sistrurus	April, May,	by species expert	conducted to	biologist and/or	survey protocol.
catanatus	June, and		determine	contractor.	
	October.	(Surveys will only occur in	presence of this		
FC; IL-E		areas where this species was	species within		
		observed in 2007, prior to	the construction		
		construction)	ROW.		
Kirtland's	(need to identify	Survey areas to be provided	Surveys will be	Qualified ENSR	See attached
snake	survey period)	by species expert	conducted to	biologist and/or	survey protocol.
Clonophis			determine	contractor.	
kirtlandi		(Surveys will only occur in	presence of this		
		areas where this species was	species within		
IL-T		observed in 2007, prior to	the construction		
		construction)	ROW.		
Illinois chorus	(Calling season:	Survey areas to be provided	Surveys will be	Qualified ENSR	See attached
frog	1-Feb. to March	by species expert	conducted to	biologist and/or	survey protocol.

Pseudacris	31.		determine	contractor.	
strecheri illino	01.	(Surveys will only occur in	presence of this		
otrooriori minio		areas where this species was	species within		
IL-T		observed in 2007, prior to	the construction		
		construction)	ROW.		
Decurrent	Flowering	Madison: 1017.1-1022.8,	One survey will	Qualified ENSR	See attached
false aster	period:	1036.4-1041.8; data pending.	be conducted	biologist and/or	survey protocol.
Boltonia	Late August to	1000.1 10 11.0, data ponumg.	during the	contractor	, , , , , , , , , , , , , , , , , , , ,
decurrens	September 30.	Data pending from wetland	flowering period		
0000110110	Coptombor co.	delineations.	to determine		
FT; IL-T		Gominoations.	presence within		
1 1, 16 1		(Surveys will only occur in	the construction		
	,	areas where this species was	ROW.		
		observed in 2007, prior to			
		construction)			
Eastern	Flowering	Bond: data pending.	One survey will	Qualified ENSR	See attached
fringed orchid	period: Late-	Fayette: data pending.	be conducted	biologist and/or	survey protocol.
Platanthera	June to mid-	Madison: data pending.	during the	contractor	
leucophaea	July.	Marion: data pending.	flowering period		
	,-		to determine		
FT; IL-E		Data pending from wetland	presence within		
,		delineations.	the construction		
			ROW.		
		(Surveys will only occur in			
		areas where this species was			
		observed in 2007, prior to			
		construction)			
Prairie	Flowering	Madison: 1025.4-1025.5,	One survey will	Qualified ENSR	See attached
spiderwort	period: 1-May	1038.3-1038.6, 1044.5-	be conducted	biologist and/or	survey protocol.
Tradescantia	to 1-June.	1044.8.	during the	contractor	
bracteata			flowering period		
		(Surveys will only occur in	to determine		
IL-T		areas where this species was	presence within		
		observed in 2007, prior to	the construction		
		construction)	ROW.		
Royal catchfly	Flowering	Madison: 1025.4-1033.4,	One survey will	Qualified ENSR	See attached
Silene regia	period: (need to	1038.3-1044.8.	be conducted	biologist and/or	survey protocol.
	identify survey		during the	contractor	
IL-E	period)	(Surveys will only occur in	flowering period		
		areas where this species was	to determine		
		observed in 2007, prior to	presence within		
		construction)	the construction		
			ROW.		
Spring ladies'	Flowering	Madison: 1017.1-1022.8,	One survey will	Qualified ENSR	See attached
tresses	period: Late	1036.4-1041.8; data pending.	be conducted	biologist and/or	survey protocol.
Spiranthes	summer to early		during the	contractor	
vernalis	fall.	Data pending from wetland	flowering period		
		delineations.	to determine		
IL-E			presence within		
		(Surveys will only occur in	the construction		
		areas where this species was	ROW.		

		observed in 2007, prior to construction)			
Migratory Birds	TBD based on	TBD	TBD	TBD	TBD
(including	John Cochnar's				
raptors)	correspondence				
	with USFWS				
	meeting with				
	USFWS Special				
	Agents and				
	MBTA Office.				