

Easygrants ID: 5622

Project Title: Van Buren County Fiber Ring

Environmental Questionnaire – Supplemental
Specie Accounts



Species Profile

Environmental Conservation Online System

(<http://www.fws.gov>)

Pitcher's thistle (*Cirsium pitcheri*)

Kingdom: Plantae Class: Magnoliopsida Order: Asterales
Family: Asteraceae

Listing Status: Threatened

Quick links: [Federal Register \(#status\)](#) [Recovery \(#recovery\)](#)
[Critical Habitat \(#crithab\)](#) [Conservation Plans](#)
[\(#conservationPlans\)](#) [Petitions \(#petitions\)](#) [Life History](#)
[\(#lifeHistory\)](#) [Other Resources \(#other\)](#)



Lead Region: [Great Lakes-Big Rivers Region \(Region 3\)](#)

(<http://www.fws.gov/midwest/>)

Date Listed: Jul 18, 1988

States/US Territories in which the Pitcher's thistle is known to occur: [Illinois](#)
(</speciesProfile/profile/countiesByState.action?entityId=905&state=Illinois>) , [Indiana](#)
(</speciesProfile/profile/countiesByState.action?entityId=905&state=Indiana>) , [Michigan](#)
(</speciesProfile/profile/countiesByState.action?entityId=905&state=Michigan>) , [Wisconsin](#)
(</speciesProfile/profile/countiesByState.action?entityId=905&state=Wisconsin>)

US Counties in which the Pitcher's thistle is known to occur: [View All](#)
(</speciesProfile/profile/countiesBySpecies.action?entityId=905>)

USFWS Refuges in which the Pitcher's thistle is known to occur: LEOPOLD WETLAND MANAGEMENT DISTRICT

Countries in which the the Pitcher's thistle is known to occur: Canada

» Federal Register Documents

Most Recent Federal Register Documents (Showing 4 of 4)

Date	Citation Page	Title
03/30/2006	71 FR 16176 16177	5-Year Review of Five Midwestern Species (http://ecos.fws.gov/docs/federal_register/fr5063.pdf)
10/11/2002	67 FR 63443 63444	Notice of Availability of the Approved Recovery Plan for the Pitcher's Thistle (<i>Cirsium pitcheri</i>) (http://ecos.fws.gov/docs/federal_register/fr3999.pdf)
07/18/1988	53 FR 27137 27141	Determination of Thr. Status for <i>Cirsium Pitcheri</i>; 53 FR 27137-27141 (http://ecos.fws.gov/docs/federal_register/fr1444.pdf)
07/20/1987	52 FR 27229 27232	Thr. Status for <i>Cirsium pitcheri</i>; 52 FR 27229-27232

» Recovery

Recovery Plan Information Search (</roar/pub/ConfigureRecActionReport.do?path=ROAR Custom Queries.Public Actions AdHoc>)

- **Information Search FAQs** (http://www.fws.gov/endangered/recovery/ROAR_FAQs%2008-05-09_FINAL.pdf)

Current Recovery Plan(s)

Date	Title	Plan Action Status	Plan
09/20/2002	Pitcher's Thistle (<i>Cirsium pitcheri</i>) Recovery Plan (http://ecos.fws.gov/docs/recovery_plan/020920b.pdf)	View Implementation Progress (/roar/pub/planImplementationStatus.action?documentId=100015)	Final

Other Recovery Documents (Showing 2 of 2)

Date	Citation Page	Title	Document Type
03/30/2006	71 FR 16176 16177	5-Year Review of Five Midwestern Species (http://ecos.fws.gov/docs/federal_register/fr5063.pdf)	• Notice 5-year Review, Initiation
10/11/2002	67 FR 63443 63444	Notice of Availability of the Approved Recovery Plan for the Pitcher's Thistle (<i>Cirsium pitcheri</i>) (http://ecos.fws.gov/docs/federal_register/fr3999.pdf)	• Notice Final Recovery Plan Availability

Five Year Review

Date	Title
02/05/2010	Pitcher's thistle (<i>Cirsium pitcheri</i>) 5-Year Review (/docs/five_year_review/doc3083.pdf)

» Critical Habitat

No critical habitat rules have been published for the Pitcher's thistle.

» Conservation Plans

Habitat Conservation Plans (HCP) ([learn more \(/docs/conservation_plans/HCP_Incidental_Take.pdf\)](/docs/conservation_plans/HCP_Incidental_Take.pdf))

(Showing 1 of 1)

HCP Plan Summaries

[Magic Carpet Woods Association](http://ecos.fws.gov/conserv_plans/servlet/gov.doi.hcp.servlets.PlanReport?plan_id=1075®ion=3&type=HCP&rtype=1) (http://ecos.fws.gov/conserv_plans/servlet/gov.doi.hcp.servlets.PlanReport?plan_id=1075®ion=3&type=HCP&rtype=1)

» Petitions

No petition findings have been published for the Pitcher's thistle.

» Life History

No Life History information has been entered into this system for this species.

» Other Resources

NatureServe Explorer Species Reports ([javascript:;](#)) -- NatureServe Explorer is a source for authoritative conservation information on more than 50,000 plants, animals and ecological communities of the U.S and Canada. NatureServe Explorer provides in-depth information on rare and endangered species, but includes common plants and animals too. NatureServe Explorer is a product of NatureServe in collaboration with the Natural Heritage Network.

ITIS Reports ([javascript:;](#)) -- ITIS (the Integrated Taxonomic Information System) is a source for authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world.

Last updated: March 24, 2010

FWS Endangered Home (<http://www.fws.gov/endangered/>) | **ECOS Home** ([/ecos_public/](#)) | **Contact Us**
([/ecos/helpdesk.do?version=SPECIES_PROFILE-1_2_24](#))



Species Profile

Environmental Conservation Online System

(<http://www.fws.gov>)

Mitchell's Satyr Butterfly (*Neonympha mitchellii mitchellii*)

Kingdom: Animalia Class: Insecta Order: Lepidoptera
Family: Nymphalidae

Listing Status: Endangered

Quick links: [Federal Register \(#status\)](#) [Action Plans \(#actionPlans\)](#) [Recovery \(#recovery\)](#) [Critical Habitat \(#crithab\)](#)
[Conservation Plans \(#conservationPlans\)](#) [Petitions \(#petitions\)](#)
[Life History \(#lifeHistory\)](#) [Other Resources \(#other\)](#)



Lead Region: [Great Lakes-Big Rivers Region \(Region 3\)](#) (<http://www.fws.gov/midwest/>)

Date Listed: Jun 25, 1991

States/US Territories in which the Mitchell's Satyr Butterfly is known to occur: [Indiana](#) (</speciesProfile/profile/countiesByState.action?entityId=424&state=Indiana>) , [Michigan](#) (</speciesProfile/profile/countiesByState.action?entityId=424&state=Michigan>) , [Ohio](#) (</speciesProfile/profile/countiesByState.action?entityId=424&state=Ohio>) , [Virginia](#) (</speciesProfile/profile/countiesByState.action?entityId=424&state=Virginia>)
US Counties in which the Mitchell's Satyr Butterfly is known to occur: [View All](#) (</speciesProfile/profile/countiesBySpecies.action?entityId=424>)

» Federal Register Documents

Most Recent Federal Register Documents (Showing 5 of 5)

Date	Citation Page	Title
03/18/2009	74 FR 11600 11602	Notice of initiation of review; request for information on nine listed Midwestern species (http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2009_register&docid=fr18mr09-76)
05/20/1992	57 FR 21564 21569	ETWP; Determination of Endangered Status for Mitchell's Satyr Butterfly; 57 FR 21564 21569
09/11/1991	56 FR 46273 46277	ETWP; Proposal to List the Mitchell's Satyr as Endangered; 56 FR 46273 46277 (http://ecos.fws.gov/docs/federal_register/fr1915.pdf)
06/25/1991	56 FR 28825 28828	(Emergency) ETWP; Emergency Rule to List the Mitchell's Satyr as Endangered; 56 FR 28825 28828 (http://ecos.fws.gov/docs/federal_register/fr1878.pdf)

Date	Citation Page	Title
01/20/1984	49 FR 2485 2488	<u>Findings on Pending Petitions & Description of Progress on Listing Actions; 49 FR 2485-2488 (http://ecos.fws.gov/docs/federal_register/fr787.pdf)</u>

» Action Plans

Action Plans (Showing 1 of 1)

Date	Title
10/01/2009	<u>Mitchell's satyr butterfly spotlight species action plan (/docs/action_plans/doc3038.pdf)</u>

» Recovery

[Recovery Plan Information Search \(/roar/pub/ConfigureRecActionReport.do?path=ROAR Custom Queries.Public Actions AdHoc\)](#)

- [Information Search FAQs \(http://www.fws.gov/endangered/recovery/ROAR_FAQs%2008-05-09_FINAL.pdf\)](#)

Current Recovery Plan(s)

Date	Title	Plan Action Status	Plan S
04/02/1998	<u>Mitchell's Satyr Butterfly (http://ecos.fws.gov/docs/recovery_plan/980402.pdf)</u>	<u>View Implementation Progress (/roar/pub/planImplementationStatus.action?documentId=100034)</u>	Final

Other Recovery Documents (Showing 1 of 1)

Date	Citation Page	Title	Document Type
03/18/2009	74 FR 11600 11602	<u>Notice of initiation of review; request for information on nine listed Midwestern species (http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2009_register&docid=fr18mr09-76)</u>	• Notice 5-year Review, Initiation

» Critical Habitat

No critical habitat rules have been published for the Mitchell's Satyr Butterfly.

» Conservation Plans

No conservation plans have been created for Mitchell's Satyr Butterfly

» Petitions

Most Recent Petition Findings (Showing 1 of 1)

Date	Citation Page	Title	Finding
01/20/1984	49 FR 2485 2488	<u>Findings on Pending Petitions & Description of Progress on Listing Actions; 49 FR 2485-2488 (http://ecos.fws.gov/docs/federal_register/fr787.pdf)</u>	• Notice 12 month petition finding, Not

» Life History

No Life History information has been entered into this system for this species.

» Other Resources

NatureServe Explorer Species Reports (javascript:) -- NatureServe Explorer is a source for authoritative conservation information on more than 50,000 plants, animals and ecological communities of the U.S and Canada. NatureServe Explorer provides in-depth information on rare and endangered species, but includes common plants and animals too. NatureServe Explorer is a product of NatureServe in collaboration with the Natural Heritage Network.

ITIS Reports (javascript:) -- ITIS (the Integrated Taxonomic Information System) is a source for authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world.

Last updated: March 24, 2010

[FWS Endangered Home \(http://www.fws.gov/endangered/\)](http://www.fws.gov/endangered/) | [ECOS Home \(/ecos_public/\)](#) | [Contact Us \(/ecos/helpdesk.do?version=SPECIES_PROFILE-1_2_24\)](#)



Species Profile

Environmental Conservation Online System

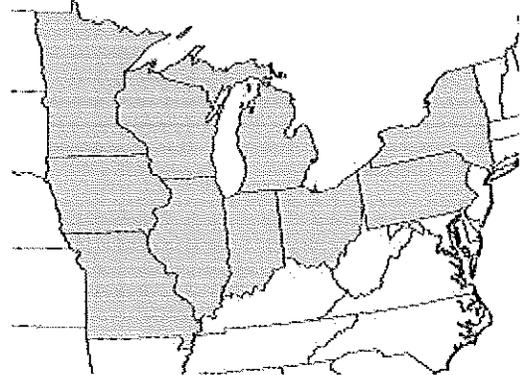
(<http://www.fws.gov>)

Eastern Massasauga (*Sistrurus catenatus catenatus*)

Kingdom: Animalia Class: Reptilia Order: Squamata
Family: Viperidae

Listing Status: Candidate

Quick links: [Candidate Info \(#candidate\)](#) [Federal Register \(#status\)](#) [Conservation Plans \(#conservationPlans\)](#) [Petitions \(#petitions\)](#) [Life History \(#lifeHistory\)](#) [Other Resources \(#other\)](#)



General Information

Massasaugas are small snakes with thick bodies, heart-shaped heads and vertical pupils. The average length of an adult is about 2 feet. Adult massasaugas are gray or light brown with large, light-edged chocolate brown blotches on the back and smaller blotches on the sides. The snake's belly is marbled dark gray or black and there is a narrow, white stripe on its head. Its tail has several dark brown rings and is tipped by gray-yellow horny rattles. Young snakes have the same markings, but are more vividly colored. The head is a triangular shape and the pupils are vertical.

Lead Region: [Great Lakes-Big Rivers Region \(Region 3\)](#) (<http://www.fws.gov/midwest/>)

States/US Territories in which the Eastern Massasauga is known to occur: [Illinois \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Illinois\)](#) , [Indiana \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Indiana\)](#) , [Iowa \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Iowa\)](#) , [Michigan \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Michigan\)](#) , [Minnesota \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Minnesota\)](#) , [Missouri \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Missouri\)](#) , [New York \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=New York\)](#) , [Ohio \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Ohio\)](#) , [Pennsylvania \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Pennsylvania\)](#) , [Wisconsin \(/speciesProfile/profile/countiesByState.action?entityId=7800&state=Wisconsin\)](#)

US Counties in which the Eastern Massasauga is known to occur: [View All \(/speciesProfile/profile/countiesBySpecies.action?entityId=7800\)](#)

Countries in which the the Eastern Massasauga is known to occur: Canada

For more information: <http://www.fws.gov/midwest/Endangered/reptiles/eama-fct-sht.html>
(<http://www.fws.gov/midwest/Endangered/reptiles/eama-fct-sht.html>)

» Candidate Information

Current Candidate Status

Listing Priority: 9

Magnitude: Moderate to Low

Immediacy: Imminent

Taxonomy: Subspecies/population

Species Assessment Form for the Eastern Massasauga -- 85Kb.

http://ecos.fws.gov/docs/candforms_pdf/r3/C03P_V01.pdf

Candidate Notice of Review Documents (Showing 5 of 10 : [view all](#)
[\(/speciesProfile/profile/displayAllDocuments?cnor.action?spcode=C03P\)](/speciesProfile/profile/displayAllDocuments?cnor.action?spcode=C03P))

Date	Citation Page	Title
11/09/2009	74 FR 57803 57878	Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2009_register&docid=fr09no09-23
12/10/2008	73 FR 75175 75244	Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2008_register&docid=fr10de08-26
12/06/2007	72 FR 69033 69106	Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2007_register&docid=fr06de07-20
09/12/2006	71 FR 53755 53835	Review of Native Species That Are Candidates or Proposed for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2006_register&docid=fr12se06-28
05/11/2005	70 FR 24869 24934	Endangered and Threatened Wildlife and Plants; Review of Native Species That Are Candidates or Proposed for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule http://ecos.fws.gov/docs/federal_register/fr4410.pdf

» Federal Register Documents

Most Recent Federal Register Documents (Showing 5 of 10 : [view all](#)
[\(/speciesProfile/profile/displayAllDocuments?fedreg.action?spcode=C03P\)](/speciesProfile/profile/displayAllDocuments?fedreg.action?spcode=C03P))

Date	Citation Page	Title
		Review of Native Species That Are Candidates for Listing as Endangered

Date	Citation Page	Title
12/10/2008	73 FR 75175 75244	http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2009_register&docid=fr09no09-23 Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule
12/06/2007	72 FR 69033 69106	http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2007_register&docid=fr10de08-26 Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule
09/12/2006	71 FR 53755 53835	http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2006_register&docid=fr12se06-28 Review of Native Species That Are Candidates or Proposed for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions
05/11/2005	70 FR 24869 24934	http://ecos.fws.gov/docs/federal_register/fr4410.pdf Endangered and Threatened Wildlife and Plants; Review of Native Species That Are Candidates or Proposed for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions; Proposed Rule

» Action Plans

Action Plans (Showing 1 of 1)

Date	Title
	Eastern massasauga action plan (/docs/action_plans/doc2989.pdf)

» Conservation Plans

Candidate Conservation Agreements with Assurances (CCA): [\(learn more \(/docs/conservation_plans/CCAANonFederal.pdf\)\)](#) (Showing 1 of 1)

CCA Plan Summaries

[Eastern massasauga rattlesnake CCA for Rome State Nature Preserve, Ashtabula County, Ohio](http://ecos.fws.gov/conserv_plans/servlet/gov.doi.hcp.servlets.PlanReport?plan_id=3836®ion=3&type=CCA&rtype=1)
http://ecos.fws.gov/conserv_plans/servlet/gov.doi.hcp.servlets.PlanReport?plan_id=3836®ion=3&type=CCA&rtype=1

» Petitions

No petition findings have been published for the Eastern Massasauga.

» Life History

No Life History information has been entered into this system for this species.

» Other Resources

NatureServe Explorer Species Reports (javascript:) -- NatureServe Explorer is a source for authoritative conservation information on more than 50,000 plants, animals and ecological communities of the U.S and Canada. NatureServe Explorer provides in-depth information on rare and endangered species, but includes common plants and animals too. NatureServe Explorer is a product of NatureServe in collaboration with the Natural Heritage Network.

ITIS Reports (javascript:) -- ITIS (the Integrated Taxonomic Information System) is a source for authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world.

Last updated: March 24, 2010

FWS Endangered Home (<http://www.fws.gov/endangered/>) | ECOS Home ([ecos_public/](/ecos_public/)) | Contact Us (/ecos/helpdesk.do?version=SPECIES_PROFILE-1_2_24)



Species Profile

Environmental Conservation Online System

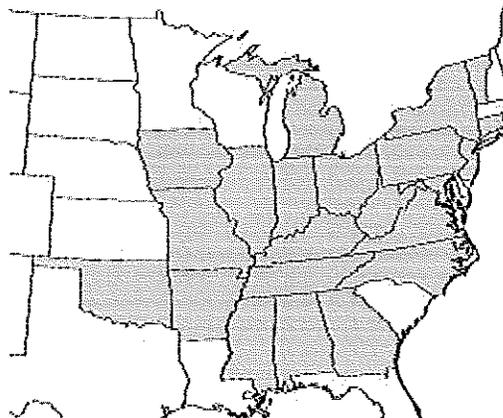
(<http://www.fws.gov>)

Indiana bat (*Myotis sodalis*)

Kingdom: Animalia Class: Mammalia Order: Chiroptera
Family: Vespertilionidae

Listing Status: Endangered

Quick links: [Federal Register \(#status\)](#) [Recovery \(#recovery\)](#)
[Critical Habitat \(#crithab\)](#) [Conservation Plans](#)
[\(#conservationPlans\)](#) [Petitions \(#petitions\)](#) [Life History](#)
[\(#lifeHistory\)](#) [Other Resources \(#other\)](#)



General Information

The Indiana bat is a medium-sized myotis, closely resembling the little brown bay (*Myotis lucifugus*) but differing in coloration. Its fur is a dull grayish chestnut rather than bronze, with the basal portion of the hairs of the back dull lead colored. This bat's underparts are pinkish to cinnamon, and its hind feet smaller and more delicate than in *M. lucifugus*. The calcar (heel of the foot) is strongly keeled.

Lead Region: [Great Lakes-Big Rivers Region \(Region 3\)](#) (<http://www.fws.gov/midwest/>)

Date Listed: Mar 11, 1967

States/US Territories in which the Indiana bat is known to occur: [Arkansas](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Arkansas>) , [Connecticut](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Connecticut>) , [Georgia](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Georgia>) , [Illinois](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Illinois>) , [Indiana](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Indiana>) , [Iowa](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Iowa>) , [Kentucky](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Kentucky>) , [Maryland](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Maryland>) , [Michigan](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Michigan>) , [Mississippi](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Mississippi>) , [Missouri](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Missouri>) , [New Jersey](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=New Jersey>) , [New York](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=New York>) , [North Carolina](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=North Carolina>) , [Ohio](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Ohio>) , [Oklahoma](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Oklahoma>) , [Pennsylvania](#)
(</speciesProfile/profile/countiesByState.action?entityId=1&state=Pennsylvania>) , [Tennessee](#)

[\(/speciesProfile/profile/countiesByState.action?entityId=1&state=Virginia\)](/speciesProfile/profile/countiesByState.action?entityId=1&state=Virginia) , [West Virginia](#)

[\(/speciesProfile/profile/countiesByState.action?entityId=1&state=West Virginia\)](/speciesProfile/profile/countiesByState.action?entityId=1&state=West Virginia)

US Counties in which the Indiana bat is known to occur: [View All](#)

[\(/speciesProfile/profile/countiesBySpecies.action?entityId=1\)](/speciesProfile/profile/countiesBySpecies.action?entityId=1)

USFWS Refuges in which the Indiana bat is known to occur: BIG MUDDY NATIONAL FISH AND WILDLIFE REFUGE , BIG OAKS NATIONAL WILDLIFE REFUGE , CLARKS RIVER NATIONAL WILDLIFE REFUGE , CROSS CREEKS NATIONAL WILDLIFE REFUGE , CYPRESS CREEK NATIONAL WILDLIFE REFUGE ... [Show All Refuges \(javascript:toggleRefuges\('on'\)\)](#)

» **Federal Register Documents**

Most Recent Federal Register Documents (Showing 5 of 6 : [view all](#))

[\(/speciesProfile/profile/displayAllDocuments/fedreg.action;jsessionid=8A93C58F2F632DDBA7F373C067BFD76B?spcode=A000\)](/speciesProfile/profile/displayAllDocuments/fedreg.action;jsessionid=8A93C58F2F632DDBA7F373C067BFD76B?spcode=A000)

Date	Citation Page	Title
04/16/2007	72 FR 19015 19016	Draft Indiana Bat Recovery Plan, First Revision; Draft Survey Protocol
03/06/2007	72 FR 9913 9917	90-Day and 12-Month Findings on a Petition To Revise Critical Habitat for the Indiana Bat
09/21/2006	71 FR 55212 55214	Endangered and Threatened Wildlife and Plants; Initiation of a 5-Year Review of Curtis' Pearlymussel and Indiana Bat
09/24/1976	41 FR 41914	Determination of Critical Habitat for American Crocodile, California Condor, Indiana Bat, and Florida Manatee; 41 FR 41914 (American crocodile, <i>Crocodylus acutus</i>, California condor, <i>Gymnogyps californianus</i>; Indiana bat, <i>Myotis sodalis</i>; Florida manatee, <i>Trichechus manatus</i>)
12/16/1975	40 FR 58308 58312	Proposed Determination of Critical Habitat for Snail Darter, American Crocodile, Whooping Crane, California Condor, Indiana Bat, and Florida Manatee; 40 FR 58308 58312 (Percina (<i>Imostoma</i>) sp., <i>Crocodylus acutus</i>, <i>Grus americana</i>, <i>Gymnogyps californicus</i>, <i>Myotis sodalis</i>, <i>Trichechus manatus</i>)

» **Recovery**

[Recovery Plan Information Search \(/roar/pub/ConfigureRecActionReport.do?path=ROAR Custom Queries.Public Actions AdHoc\)](/roar/pub/ConfigureRecActionReport.do?path=ROAR Custom Queries.Public Actions AdHoc)

- [Information Search FAQs \(http://www.fws.gov/endangered/recovery/ROAR_FAQs%2008-05-09_FINAL.pdf\)](http://www.fws.gov/endangered/recovery/ROAR_FAQs%2008-05-09_FINAL.pdf)

Current Recovery Plan(s)

Date	Title	Plan Action Status	Plan Sta
04/16/2007	Indiana Bat (<i>Myotis sodalis</i>) Draft Recovery	View Implementation Progress	Draft

Other Recovery Documents (Showing 2 of 2)

Date	Citation Page	Title	Document Type
04/16/2007	72 FR 19015 19016	<u>Draft Indiana Bat Recovery Plan, First Revision; Draft • Survey Protocol</u> (http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2007_register&docid=fr16ap07-120)	Notice Draft Recovery Plan Availability
09/21/2006	71 FR 55212 55214	<u>Endangered and Threatened Wildlife and Plants; Initiation of a 5-Year Review of Curtis' Pearlymussel and Indiana Bat</u> (http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2006_register&docid=fr21se06-63)	Notice 5-year Review, Initiation

Five Year Review

Date	Title
09/29/2009	<u>Indiana bat completed 5-yr review</u> (/docs/five_year_review/doc2627.pdf)

» Critical Habitat

Current Critical Habitat Documents (Showing 2 of 2)

Date	Citation Page	Title	Document Type	Status
09/24/1976	41 FR 41914	<u>Determination of Critical Habitat for American Crocodile, California Condor, Indiana Bat, and Florida Manatee; 41 FR 41914 (American crocodile, <i>Crocodylus acutus</i>, California condor, <i>Gymnogyps californianus</i>; Indiana bat, <i>Myotis sodalis</i>; Florida manatee, <i>Trichechus manatus</i>)</u> (http://ecos.fws.gov/docs/federal_register/fr115.pdf)	Final Rule	Active
12/16/1975	40 FR 58308 58312	<u>Proposed Determination of Critical Habitat for Snail Darter, American Crocodile, Whooping Crane, California Condor, Indiana Bat, and Florida Manatee; 40 FR 58308 58312 (Percina (Imostoma) sp., <i>Crocodylus acutus</i>, <i>Grus americana</i>, <i>Gymnogyps californicus</i>, <i>Myotis sodalis</i>, <i>Trichechus manatus</i>)</u> (http://ecos.fws.gov/docs/federal_register/fr83.pdf)	Proposed Rule	Not Required

To learn more about critical habitat please see <http://criticalhabitat.fws.gov> (<http://criticalhabitat.fws.gov>)

» Conservation Plans

Habitat Conservation Plans (HCP) ([learn more \(/docs/conservation_plans/HCP_Incidental_Take.pdf\)](http://docs/conservation_plans/HCP_Incidental_Take.pdf))

(Showing 1 of 1)

HCP Plan Summaries
<u>Six Points Road Interchange</u> (http://ecos.fws.gov/conserv_plans/servlet/gov.doi.hcp.servlets.PlanReport?plan_id=1224&region=3&type=HCP&rtype=1)

» Petitions

Date	Citation Page	Title	Finding
03/06/2007	72 FR 9913 9917	<u>90-Day and 12-Month Findings on a Petition To Revise Critical Habitat for the Indiana Bat</u> http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2007_register&docid=fr06mr07-21	<ul style="list-style-type: none"> • Notice 12 month petition finding, Not warranted • Notice 90-day Petition Finding, Not substantial

» Life History

No Life History information has been entered into this system for this species.

» Other Resources

NatureServe Explorer Species Reports (javascript:) -- NatureServe Explorer is a source for authoritative conservation information on more than 50,000 plants, animals and ecological communities of the U.S and Canada. NatureServe Explorer provides in-depth information on rare and endangered species, but includes common plants and animals too. NatureServe Explorer is a product of NatureServe in collaboration with the Natural Heritage Network.

ITIS Reports (javascript:) -- ITIS (the Integrated Taxonomic Information System) is a source for authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world.

Last updated: March 24, 2010

FWS Endangered Home (http://www.fws.gov/endangered/) | **ECOS Home (/ecos_public/)** | **Contact Us (/ecos/helpdesk.do?version=SPECIES_PROFILE-1_2_24)**

Management Team Resumes and Organizational Chart

Mark Bahnson, General Manager

Mark Bahnson serves as the General Manager for Bloomingdale Communications Inc., a rural telephone company serving Southwestern Michigan. He joined the company in 2008. Mr. Bahnson's primary responsibilities involve overseeing all aspects of the company and reporting to the Board of Directors.

Prior to joining Bloomingdale Communications, Inc., Mr. Bahnson served as the Office Manager for Alliance Communications for 10 years. Some of his duties in this position included planning, customer service, marketing, sales, lobbyist, regulatory and internet department. Mr. Bahnson has been a telecommunications executive for the eleven years. Before beginning his career in telecommunications, he spent seventeen years working in marketing and advertising.

With his extensive marketing background, Mr. Bahnson is positioned to ensure that Bloomingdale Communications effectively markets and manages the promotion of broadband access.

Daniel M. Key, Plant Manager

Daniel Key serves as the Plant Manager for Bloomingdale Communications, Inc., a position that he has held since 2003. His responsibilities include direct engineering, construction, maintenance and servicing operations for the inside and outside plant telephone (ILEC), CATB, and FTTP (CLEC) facilities. During his time with Bloomingdale Communications, Inc. Mr. Key has successfully planned and implemented the replacement of the legacy Class 5 switch with a Next Generation softswitch which allowed them to roll out advanced services. In addition, he successfully planned, designed and implemented the placement of broadband loop carrier equipment throughout Bloomingdales ILEC exchange for POTS and ADSL2+ broadband services.

Prior to joining Bloomingdale Communications, Mr. Key was employed by MCI WorldCom, Inc. for nine years. During this time, he served as Senior Manager of Engineering and Implementation for the North Central Region from 1998-2003. He also served as Outside Plant Manager for 2 years (Brooks Fiber Communications, acquired by WorldCom in 1998), and as Route Design Engineer for 2 years (US Signal/City Signal acquired by Brooks Fiber Communications in 1996).

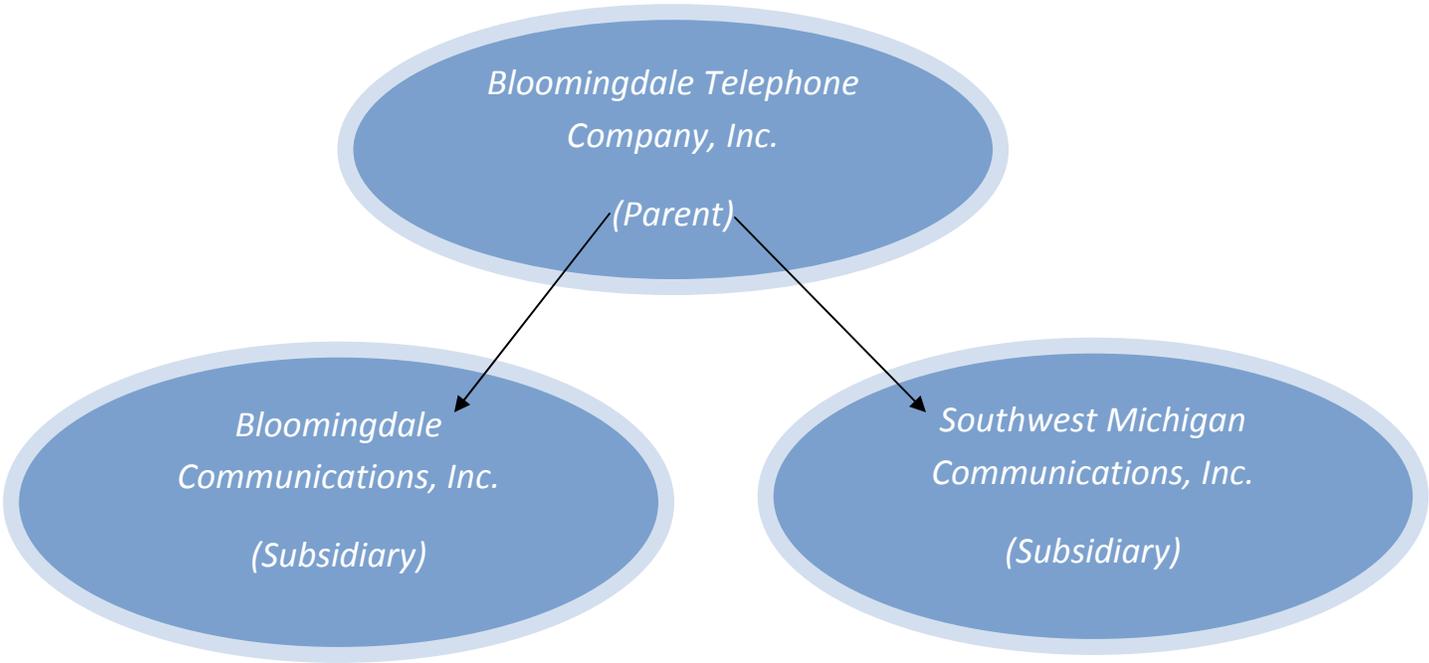
Mr. Key has over 30 years of experience in the telecommunications industry. He has proven supervisory leadership and project management skills with extensive experience in managing, planning, designing and implementing telecommunications facilities.

Robin J. Empson, Accounting Supervisor

Robin Empson currently serves as the Accounting Supervisor for Bloomingdale Communications, Inc. She has held this position for the past nine years. Her responsibilities include payroll, tax filings, General Ledger postings, monthly financial reporting in addition to annual financials and budgets. She has extensive experience with RUS quarterly and annual financial reporting in addition to RUS Funding Requests. Her position also requires her to complete reporting with NECA, FCC, State of Michigan and the Federal Government as required.

Prior to entering the telecommunications industry, Ms. Empson served as a Medical Billing Specialist where key to detail was an essential aspect of the position. She was responsible for overseeing medical bills, commercial insurance accounts and editing for errors.

Ms. Empson continues to expand her knowledge of the telecommunications industry by continuing her education through Telco and Accounting courses. She is highly organized and productive, able to make sound decisions through utilizing her problem solving skills and possesses the business skills necessary to maintain a professional demeanor.



Board of Directors



Mark Bahnsen
General Manager

Sid Shank



Dan Key

Ray Lewis
Network Engineer

John Schneider
Network Administrator
IT Work Leader

Shari Wykrent
Paw Paw CSR
Work Leader

Steve Daniel
Project
Coordinator

Doris Chase

Robin Empson
Accounting
Supervisor

Rick

Chuck

Larry

Jimmy

Dennis

Blair

Bob

Alice

Andy

Ed

Kim

Erin

Tim

Sue

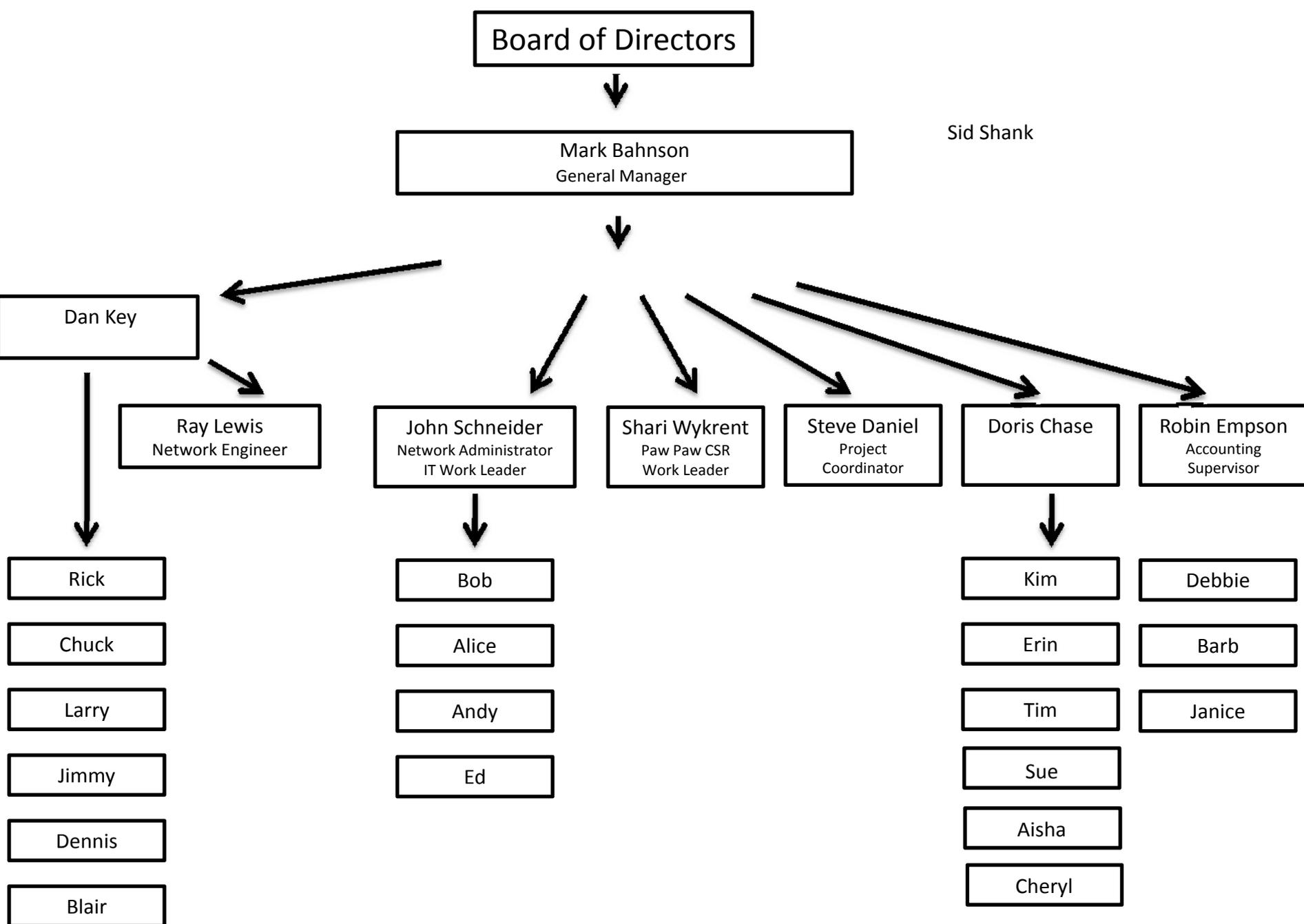
Aisha

Cheryl

Debbie

Barb

Janice



BTOP Comprehensive Community Infrastructure Detailed Budget

Please complete the General Budget Overview and Detailed Project Costs worksheets.

Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this upload.

Applicants are required to provide this upload as an Excel file, and not to convert it to a PDF prior to upload. Applicants should not alter the layout of the provided templates, except to insert additional line-items as needed in the Detailed Project Costs worksheet.

Important Update - 3/19/2010: This template has been updated with the addition of a new column in the Detailed Project Costs worksheet. The new column, titled "Cash Match Percentage" allows Applicants to specify the percentage of the line item cost that will be provided by the cash match. This column is only relevant if "Cash Match" is selected in column C (the "Match" column). If "Cash Match" is selected in column C, Applicants should specify a percentage in the Cash Match Percentage field--100% means that the line item will be paid for entirely from the cash match, 0% means that it is paid for entirely from the federal request, any other amount will allocate the costs between the federal request and the cash match.

Note that *it is not required for Applicants to use this updated template*. Applicants that submit their detailed budget using the previously available template will not be penalized. In the previous version of this template, selecting "Cash Match" in column C indicates that 100% of the line item cost will be paid from the cash match.

General Budget Overview

Budget	Federal Funding Request	Matching Funds (Cash)	Matching Funds (In-Kind)	Budget TOTAL	Last Mile Allocation	Middle Mile Allocation	Allocated TOTAL
Network & Access Equipment (switching, routing, transport, access)	\$1,160,000	\$290,000		\$1,450,000		\$1,450,000.00	\$1,450,000
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)	\$3,628,714	\$907,178		\$4,535,892		\$4,535,892.00	\$4,535,892
Buildings and Land – (new construction, improvements, renovations, lease)	\$120,000	\$30,000		\$150,000		\$150,000.00	\$150,000
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)	\$0	\$0		\$0		\$0.00	\$0
Billing and Operational Support Systems (IT systems, software, etc.)	\$0	\$0		\$0		\$0.00	\$0
Operating Equipment (vehicles, office equipment, other)	\$0	\$0		\$0		\$0.00	\$0
Engineering/Professional Services (engineering design, project management, consulting, etc.)	\$737,760	\$184,440		\$922,200		\$922,200.00	\$922,200
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)	\$0	\$0		\$0		\$0.00	\$0
Site Preparation	\$0	\$0		\$0		\$0.00	\$0
Other	\$0	\$0		\$0		\$0.00	\$0
TOTAL BROADBAND SYSTEM:	\$5,646,474	\$1,411,618	\$0	\$7,058,092	\$0	\$7,058,092	\$7,058,092
Cost Share Percentage:	80.00%	20.00%	0.00%				

DETAIL OF PROJECT COSTS

PLEASE COMPLETE THE TABLE BELOW FOR THE DIFFERENT CATEGORIES OF EQUIPMENT THAT WILL BE REQUIRED FOR COMPLETING THE PROJECT. EACH CATEGORY SHOULD BE BROKEN DOWN TO THE APPROPRIATE LEVEL FOR IDENTIFYING UNIT COST

		Match (Cash/In-kind)	Cash Match Percentage	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
NETWORK & ACCESS EQUIPMENT						\$1,450,000	\$0	\$1,450,000	\$1,450,000		
Switching						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Routing						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Transport	Metro Ethernet Transport	Cash Match	20.00%	\$95,000.00	10	\$950,000		\$950,000.00	\$950,000	10. Equipment	Vendor provided letter
						\$0			\$0		
						\$0			\$0		
Access						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Other	Electronics Cabinet	Cash Match	20.00%	\$50,000.00	10	\$500,000		\$500,000.00	\$500,000	10. Equipment	Vendor provided letter
						\$0			\$0		
						\$0			\$0		
OUTSIDE PLANT						\$4,535,892	\$0	\$4,535,892	\$4,535,892		
Cables	BFO-24P	Cash Match	20.00%	\$11.50	36170	\$415,955		\$415,955	\$415,955	9. Construction	Vendor provided letter
	BFO-48	Cash Match	20.00%	\$2.90	57820	\$167,678		\$167,678	\$167,678	9. Construction	Vendor provided letter
	BFO-48P	Cash Match	20.00%	\$11.70	16240	\$190,008		\$190,008	\$190,008	9. Construction	Vendor provided letter
	BFO-60	Cash Match	20.00%	\$3.10	123960	\$384,276		\$384,276	\$384,276	9. Construction	Vendor provided letter
	BFO-60P	Cash Match	20.00%	\$11.90	13133	\$156,283		\$156,283	\$156,283	9. Construction	Vendor provided letter
	BFO-72P	Cash Match	20.00%	\$12.00	4360	\$52,320		\$52,320	\$52,320	9. Construction	Vendor provided letter
	BFO-96 (Difficult Construction)	Cash Match	20.00%	\$6.90	141400	\$975,660		\$975,660	\$975,660	9. Construction	Vendor provided letter
	BFO-96P (Difficult Construction)	Cash Match	20.00%	\$12.00	34000	\$408,000		\$408,000	\$408,000	9. Construction	Vendor provided letter
	BFO-144	Cash Match	20.00%	\$4.30	237650	\$1,021,895		\$1,021,895	\$1,021,895	9. Construction	Vendor provided letter
	BFO-144P	Cash Match	20.00%	\$13.30	18510	\$246,183		\$246,183	\$246,183	9. Construction	Vendor provided letter
	BFO-216P	Cash Match	20.00%	\$13.95	6130	\$85,514		\$85,514	\$85,514	9. Construction	Vendor provided letter
Conduits						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Ducts						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Poles						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Towers						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Repeaters						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Other	SEB	Cash Match	20.00%	\$12.00	36010	\$432,120		\$432,120	\$432,120	9. Construction	Vendor provided letter
						\$0			\$0		
						\$0			\$0		

		Match (Cash/In-kind)	Cash Match Percentage	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
BUILDINGS						\$150,000	\$0	\$150,000	\$150,000		
New Construction						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Pre-Fab Huts	Pre-fab Hut	Cash Match	20.00%	\$ 70,000	2	\$140,000		\$140,000	\$140,000	2. Land, structures	Vendor provided letter
						\$0			\$0		
						\$0			\$0		
Improvements &	Land	Cash Match	20.00%	\$5,000	2	\$10,000		\$10,000	\$10,000	2. Land, structures	
						\$0			\$0		
						\$0			\$0		
Other						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
CUSTOMER PREMISE EQUIPMENT						\$0	\$0	\$0	\$0		
Modems						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Set Top Boxes						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Inside Writing						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Other						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS						\$0	\$0	\$0	\$0		
Billing Support						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Customer Care						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Other Support						\$0			\$0		
						\$0			\$0		
						\$0			\$0		

		Match (Cash/In-kind)	Cash Match Percentage	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
OPERATING EQUIPMENT											
Vehicles						\$0	\$0	\$0	\$0		
						\$0			\$0		
						\$0			\$0		
Office Equipment /						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Other						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
PROFESSIONAL SERVICES											
						\$922,200	\$0	\$922,200	\$922,200		
Engineering	Network Design	Cash Match	20.00%	\$ 85,000	1	\$85,000		\$85,000	\$85,000	4. Architectural and engr.	Vendor provided letter
	OSP RFP Process	Cash Match	20.00%	\$ 61,700	1	\$61,700		\$61,700	\$61,700	4. Architectural and engr.	Vendor provided letter
	Network Equipment RFP	Cash Match	20.00%	\$ 52,200	1	\$52,200		\$52,200	\$52,200	4. Architectural and engr.	Vendor provided letter
Project	OSP Construction Staking	Cash Match	20.00%	\$ 154,200	1	\$154,200		\$154,200	\$154,200	4. Architectural and engr.	Vendor provided letter
	Construction Inspection Svcs.	Cash Match	20.00%	\$ 462,700	1	\$462,700		\$462,700	\$462,700	6. Inspection fees	Vendor provided letter
	Testing & Final Inspection	Cash Match	20.00%	\$ 56,000	1	\$56,000		\$56,000	\$56,000	6. Inspection fees	Vendor provided letter
Consulting	BTOP Application Fee	Cash Match	20.00%	\$ 35,000	1	\$35,000		\$35,000	\$35,000	4. Architectural and engr.	Vendor provided letter
	Environmental Report/Permits	Cash Match	20.00%	\$ 15,400	1	\$15,400		\$15,400	\$15,400	4. Architectural and engr.	Vendor provided letter
						\$0			\$0		
Other						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
TESTING											
Network						\$0	\$0	\$0	\$0		
						\$0			\$0		
						\$0			\$0		
IT System						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
User Devices						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Test Generators						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Lab						\$0			\$0		
						\$0			\$0		
						\$0			\$0		
Servers/Computer						\$0			\$0		
						\$0			\$0		
						\$0			\$0		

	Match (Cash/In-kind)	Cash Match Percentage	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
OTHER UPFRONT COSTS					\$0	\$0	\$0	\$0		
Site					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
PROJECT TOTAL:					\$7,058,092	\$0	\$7,058,092	\$7,058,092		

SF-424C Cross-check Totals	
1. Admin and Legal	\$0
2. Land, structures	\$150,000
3. Relocation expenses	\$0
4. Architectural and engr.	\$403,500
5. Other archit. and engr.	\$0
6. Inspection fees	\$518,700
7. Site work	\$0
8. Demolition/removal	\$0
9. Construction	\$4,535,892
10. Equipment	\$1,450,000
11. Misc.	\$0

Matching Contribution Cross-check Totals	
Federal Funding Request	\$5,646,474
Cash Match Contribution	\$1,411,618
In-kind Match Contribution	\$0

Approach to allocating Last Mile and Middle Mile costs:

Bloomington Communications, Inc. is proposing to provide service to schools, libraries, and other Community Anchor Institutions. Therefore all of the project costs have been attributed to Middle Mile.

Easygrants ID: 5622

Project Title: Van Buren County Fiber Ring

Vendor Support Letters



March 24, 2010

Mr. John M. De Witte
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application
Bloomingdale Communications, Inc.
Bloomingdale, MI 49026

Dear John:

We have reviewed of the project parameters for the Bloomingdale Communications, Inc., school ring project for the Economic Stimulus application. With the network design, Bloomingdale Communications, Inc., proposed to deploy 125 miles of fiber, ten (10) Ethernet Switches, and six (6) cabinets to deploy a state-of-the-art FTTP network architecture.

The estimate for the ten (10) Metro Ethernet Switches is \$95,000/each. Calix, Inc., has provided this estimated price for electronics in accordance with the proposed access electronics budget and commits to delivery of product in the proposed project timeframe. In the event that Bloomingdale Communications, Inc., is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to ship the requisite equipment in an expedient manner to meet the proposed project timelines.

Please feel free to contact me should you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Roger Weingarth', is written over the typed name.

Roger Weingarth
Executive Vice-President &
Chief Operations Officer
Calix, Inc.

CENTRAL CABLE

C O N T R A C T O R S , I N C .

W7435 COUNTY AW • WAUPUN, WI 53963-9706
920-324-4118
FAX: 920-324-0135

*CABLE LAYING • DIRECTIONAL BORING • TRENCHING
COPPER SPLICING • FIBER SPLICING*

March 24, 2010

John M. De Witte, PE
Vice President of Engineering
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application
SW Michigan Communications Inc.
Bloomingtondale, MI 49026

Dear John:

We have reviewed the project parameters for the OSP Construction included in the Bloomingtondale Communications school ring project for the Economic Stimulus application. With the network design, Bloomingtondale Communications Inc. proposes to deploy a state-of-the-art FTTP network architecture to bring Broadband services to area. The proposed FTTP network includes the following:

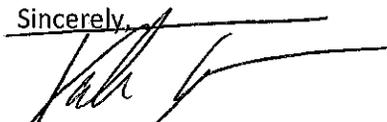
140 Total Miles OSP Construction

The estimate for this project is \$4,950,000.00. Central Cable Contractors, Inc. commits to providing the OSP Construction crews and complete the OSP construction in accordance with the proposed OSP Budget (or lower) in the allotted timeframe defined by the NOFA and reflected in Bloomingtondale Communications Inc. applications.

In the event that Bloomingtondale Communications Inc. is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to begin construction in an expedient manner to meet the proposed project timelines.

If you have any questions or require any additional information, please feel free to contact me at (920) 324-4118 at any time.

Sincerely,



Dale Jansen

Central Cable Contractors, Inc.



March 24, 2010

John M. De Witte
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application - Bloomingdale Communications Inc.

Dear John:

Our understanding of the design for the Bloomingdale Communications school ring project is to deploy 125 miles of fiber, ten (10) Ethernet Switches, and six (6) cabinets to deploy a state-of-the-art FTTP network architecture.

The estimate for the ten (10) Metro Ethernet Switches at \$95,000 each is reasonable. In the event that Bloomingdale Communications Inc. is awarded funding for the project, we can immediately finalize the contracts and project parameters, and should be able to commit to deliver the requisite equipment at that time to meet the project timelines.

If you have any questions or require any additional information, please feel free to contact me at jimsmit@cisco.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Smith".

Jim Smith
Regional Manager, Cisco Systems

March 23, 2010

John M. De Witte
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application
Bloomingdale Communications Inc.
Bloomingdale, MI 49026

Dear John:

We have reviewed of the project parameters for the Bloomingdale Communications school ring project for the Inc. Economic Stimulus application. With the network design, Bloomingdale Communications Inc. proposed to deploy 125 miles of fiber, ten (10) Ethernet Switches, and six (6) cabinets to deploy a state-of-the-art FTTP network architecture.

The estimate for the ten (10) Metro Ethernet Switches is \$95,000/each. Occam Networks Inc. commits to providing the electronics in accordance within the proposed access electronics budget (or lower) in the proposed timeframe. In the event that Bloomingdale Communications Inc. is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to ship the requisite equipment in an expedient manner to meet the propose project timelines.

If you have any questions or require any additional information, please feel free to contact me.

Sincerely,



Bob Howard Anderson
Chief Executive Officer
Occam Networks, Inc.





March 22, 2010

John M. De Witte, PE
Vice President of Engineering
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application
Bloomingdale Communications Inc.
Bloomingdale, MI 49026

Dear John:

We have reviewed the project parameters for the OSP Construction included in the Bloomingdale Communications school ring project for the Economic Stimulus application. With the network design, Bloomingdale Communications Inc. proposes to deploy a state-of-the-art FTTP network architecture to bring Broadband services to area. The proposed FTTP network includes the following:

140 Total Miles OSP Construction

The estimate for this project is \$4,950,000.00. MasTec North America, Inc. commits to providing the OSP Construction crews and complete the OSP construction in accordance with the proposed OSP Budget (or lower) in the allotted timeframe defined by the NOFA and reflected in Bloomingdale Communications Inc. applications.

In the event that Bloomingdale Communications Inc. is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to begin construction in an expedient manner to meet the proposed project timelines.

If you have any questions or require any additional information, please feel free to contact me at (218) 785-2171 at any time.

Sincerely,

A handwritten signature in black ink that reads 'Travis Wilde'.

Travis Wilde
MasTec North America, Inc.

PUSH

INCORPORATED

2170 18th STREET - P. O. BOX 72 - RICE LAKE, WISCONSIN 54868-0072

(715) 236-7874 FAX (715) 236-7434

CABLE CONSTRUCTION - ROAD BORING - DIRECTIONAL DRILLING

March 22, 2010

John M. DeWitte, PE
Vice President of Engineering
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

Re: Economic Stimulus Application
Bloomingdale Communications, Inc.
Bloomingdale, MI 49026

Dear John:

We have reviewed the project parameters for the OSP construction included in Bloomingdale Communications school ring project for the Economic Stimulus application. With the network design, Bloomingdale Communications, Inc. proposes to deploy a state-of-the-art FTTP network architecture to bring Broadband services to the area. The proposed FTTP network includes the following:

140 Total Miles OSP Construction

The estimate for this project is \$4,950,000. Push, Inc. commits to providing the OSP construction crews and complete the OSP construction in accordance with the proposed OSP budget (or lower) in the allotted timeframe defined by the NOFA and reflected in Bloomingdale Communications, Inc. applications.

In the event that Bloomingdale Communications, Inc. is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to begin construction in an expedient manner to meet the proposed project timelines.

If you have any questions or require any additional information, please feel free to contact me at (715) 236-7874 at any time.

Sincerely,



Jack Lapcinski
President
PUSH, INC.

THERMOBOND BUILDINGS



PO Box 445 – 209 North Court, Elk Point, SD 57025-0445
Phone 605.356.3756 Fax 605-356-2005 www.thermobond.com

March 22, 2010

John M. De Witte, PE
Vice President of Engineering
Vantage Point Solutions, Inc.
2211 N. Minnesota Street
Mitchell, SD 57301

RE: Economic Stimulus Application
Bloomingdale Communications
Bloomingdale, Michigan.

Dear John:

We have reviewed the project parameters for the Bloomingdale Communications school ring project in the Economic Stimulus application. With the network design, Bloomingdale Communications proposes to deploy a state-of-the-art FTTP network architecture to bring Broadband services to the selected service area.

The present design includes two (2) communication shelters distributed in the Bloomingdale area. The estimated building cost delivered onsite is \$200 sq./ft. Thermo Bond commits to providing the required communication shelters in accordance with the proposed communication shelter Budget (or lower) in the allotted timeframe defined by the NOFA and reflected in Bloomingdale Communications applications.

In the event that Bloomingdale Communications is awarded funding for the project, we can immediately finalize the contracts and project parameters allowing us to begin shipping communication shelters in an expedient manner to meet the proposed project timelines.

If you have any questions or require any additional information, please feel free to contact me at (800-356-2686 x 111) at any time.

Sincerely,



Mike Pottebaum

Thermo Bond Buildings, LLC



Fast. Friendly. Focused. Flexible.

BTOP Fiber Ring for Community Anchor Institutions Application RESOLUTION

WHEREAS, the United States Congress has appropriated funds to establish a Broadband Technology Opportunities Program (BTOP) for awards to eligible entities to develop and expand broadband services to unserved areas and improve access to broadband;

WHEREAS, Bloomingdale Communications Inc. interprets the criteria for eligibility of BTOP funds to be applicable to Bloomingdale Communications Inc.'s proposed funded service area (PFSA);

WHEREAS, Bloomingdale Communications Inc. remains committed to expanding broadband services to its PFSA;

WHEREAS, Bloomingdale Communications Inc. has the financial resources to meet any non-federal cost match requirements of the BTOP program;

THEREFORE BE IT RESOLVED that Bloomingdale Communications Inc. commits its resources to submit an application, or applications as may be necessary, to the BTOP program for funds to improve broadband services for the following projects at the approximate costs of:

Construct Fiber Ring for Community Anchor Institutions PFSA	
Total Project Budget	\$7,058,092.00
BTOP Grant	\$5,646,474.00
BTOP Non-federal Cost Match	\$1,411,618.00

BE IT FURTHER RESOLVED that Bloomingdale Communications Inc. commits to substantially completing said projects within 2 years of any award of BTOP funds and fully complete said projects within 3 years of any award of BTOP funds.

BE IT FURTHER RESOLVED, that Bloomingdale Communications Inc. will commit 20% of its own resources to the above projects as requested in the BTOP.

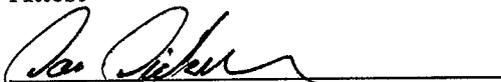
BE IT FURTHER RESOLVED, that Bloomingdale Communications Inc. will refrain from receiving duplicate funds or any such funds as would otherwise constitute "unjust enrichment" as addressed in the BTOP.

Dated this 1st day of February, 2010



Mark Bahnson, General Manager

Attest



Don Dickerson, Secretary

CERTIFICATE

I, Don Dickerson, Board Secretary, do hereby certify that I am the Secretary of Bloomingdale Communications Inc.; that the above and foregoing is a true and correct copy of the resolution adopted by the members of the Board of Directors at the regular meeting of the Board of Directors of said company held the 1st day of February, 2010 at which meeting a quorum of the Board of Directors were present in person; and that said resolution has not been rescinded or modified.

In witness whereof I hereunto set my hand this 25th day of March, 2010.

A handwritten signature in cursive script, appearing to read "Don Dickerson", written over a horizontal line.

Don Dickerson, Secretary



City of South Haven

City Hall • 539 Phoenix Street • South Haven, Michigan 49090-1499
Telephone (269) 637-0700 • Fax (269) 637-5319

March 22, 2010

Lawrence E. Strickling
Assistant Secretary for Communications and Information
Broadband Technology Opportunities Program
U.S. Department of Commerce, Room 4812
1401 Constitution Avenue, N.W.
Washington, DC 20230

Dear Assistant Secretary Strickling:

On behalf of the City of South Haven, located in Southwest Michigan, I am writing in full support of the Application of Bloomingdale Communications, Inc. (Bloomingdale) under the NTIA's Broadband Technology Opportunities Program (BTOP) that will benefit our city by providing a fiber optic ring to provide cutting edge broadband connectivity to the following city community facilities:

- Libraries
- Health care facilities, including hospitals and clinics
- Community service centers
- Public safety buildings
- Schools
- Public service buildings
- Public works buildings
- Village, township and government offices

In addition, it is anticipated that this project will benefit the City and its community constituents with the following connections:

- Allowing software sharing and staff resourcing
- Court systems would have added cost-saving benefits, such as video arraignments
- Public safety offices, such as fire departments and emergency rescue, could be connected
- Law enforcement offices would be better able to work together

The construction of this project will also provide for remote back-up, streaming media deployment, and disaster recovery, along with shared IP telephone, data centers and shared video with the advancements in our broadband technology.

The City has a growing demand and a need for improved high-speed broadband services and this project will be instrumental in providing expanded resources and access to upgraded connectivity. The Bloomingdale project, if

funded, will provide much needed broadband service and added capacity for county and municipal buildings, community service centers, and public safety offices. Attached is a map of the fiber optic service locations for all of the City of South Haven facilities that will benefit from this project.

The City of South Haven is currently exploring a commitment of up to \$165,000 for this project, as an aid to construction. In addition, the City of South Haven is committed to being involved in the general planning, development, and execution with Bloomingdale to ensure that the project best serves the needs of the community. Thank you for your consideration of the Bloomingdale Communications, Inc. BTOP project proposal and its benefits for improving access to high-speed broadband services for the City of South Haven.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Dissette". The signature is stylized with a large, sweeping initial "B" and a long, horizontal stroke extending to the right.

Brian Dissette
City Manager

Enclosure Attached

BUDGET INFORMATION - Construction Programs

OMB Approval No. 4040-0008
Expiration Date 07/30/2010

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 0.00	\$	\$ 0.00
2. Land, structures, rights-of-way, appraisals, etc.	\$ 150,000.00	\$	\$ 150,000.00
3. Relocation expenses and payments	\$ 0.00	\$	\$ 0.00
4. Architectural and engineering fees	\$ 403,500.00	\$	\$ 403,500.00
5. Other architectural and engineering fees	\$ 0.00	\$	\$ 0.00
6. Project inspection fees	\$ 518,700.00	\$	\$ 518,700.00
7. Site work	\$ 0.00	\$	\$ 0.00
8. Demolition and removal	\$ 0.00	\$	\$ 0.00
9. Construction	\$ 4,535,892.00	\$	\$ 4,535,892.00
10. Equipment	\$ 1,450,000.00	\$	\$ 1,450,000.00
11. Miscellaneous	\$ 0.00	\$	\$ 0.00
12. SUBTOTAL (sum of lines 1- 11)	\$ 7,058,092.00	\$ 0.00	\$ 7,058,092.00
13. Contingencies	\$	\$	\$ 0.00
14. SUBTOTAL	\$ 7,058,092.00	\$ 0.00	\$ 7,058,092.00
15. Project (program) income	\$	\$	\$ 0.00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 7,058,092.00	\$ 0.00	\$ 7,058,092.00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X <input type="text" value="80"/> % Enter the resulting Federal share.			\$ 5,646,474.00

ASSURANCES - CONSTRUCTION PROGRAMS

OMB Approval No. 4040-0009
Expiration Date 07/30/2010

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

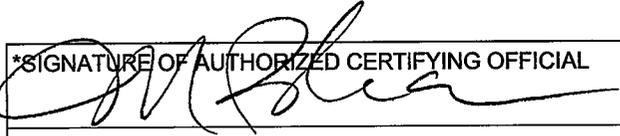
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-1 33, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

*SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	*TITLE 0.00
*APPLICANT ORGANIZATION Bloomingdale Communications, Inc.	*DATE SUBMITTED 0.00

VAN BUREN COUNTY FIBER RING

PROJECT PLAN

- Use the following table to list the major network build-out phases and milestones that can demonstrate that your entire project will be substantially complete by the end of Year 2 and fully complete by the end of Year 3. This is to be done at the aggregate level (combining all proposed funded service areas.)
- Indicated how the milestones listed below will demonstrate these completion objectives. The applicant should consider such project areas as: a) network design; b) securing all relevant licenses and agreements; c) site preparation; d) inside plant deployment; e) outside plan deployment; f) deployment of business & operational support systems; g) network testing; f) network operational. The applicant may provide any other milestones that it believes showcase progress.
- Project inception (Year 0) starts at the date when the applicant receives notice that the project has been approved for funding.
- In the table, provide any information (e.g., facts, analysis) to: a) demonstrate the reasonableness of these milestones; b) substantiate the ability to reach the milestones by the quarters indicated.

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	<ol style="list-style-type: none"> 1. Review of Requirements 2. Network Design 3. Application Process 4. Existing Ring Electronics Installed / Turned Up / Tested 	<ol style="list-style-type: none"> 1. Begin 2. Begin 3. Completed 4. Completed
Year 1	Qtr. 1	<ol style="list-style-type: none"> 1. Review of Requirements 2. Network Design 3. Begin Staking Phase 1 Town (Week 1-8) 4. Begin Staking Phase 1 Rural (Week 1-6) 	<ol style="list-style-type: none"> 1. Completed 2. Completed 3. Two (2) town staking persons can complete 27 town miles per quarter 4. One (1) rural staking persons can complete 150 rural miles per quarter
	Qtr. 2	<ol style="list-style-type: none"> 1. Create OSP RFP / P&S Maps(Week 13-15) 2. OSP RFP Approval (Week 16) 3. Send RFP to Contractors (Week 17-20) 4. Review OSP RFP Responses / Award (Week 21) 5. Create Electronics RFP (Week 13-15) 6. Electronics RFP Approval (Week 16) 7. Send Electronics RFP to Vendors (Week 17-20) 8. Review Electronics RFP Responses / Award (Week 21) 9. Electronics Ship (Week 21-24) 10. BER & Permits (Week 13-24) 11. Pre Construction Meeting (Week 24) 	<ol style="list-style-type: none"> 1. (1-4) The OSP RFP process including development, P&S Maps, Approval, and Award typically takes six (6) to eight (8) weeks. 5. (5-8) The Electronics RFP process including development, Approval, and Award typically takes six (6) to eight (8) weeks. 9. Equipment ship from the vendor takes three (3) weeks. 10. Average BER duration is one (1) quarter. 11. Pre Construction Meeting can be completed in one (1) day
	Qtr. 3	<ol style="list-style-type: none"> 1. Begin Construction Phase 1 Town (Week 25-40) 2. Construction Phase 1 Rural (Week 25-31) 	<ol style="list-style-type: none"> 1. Two (2) construction crews can complete 28 town miles in two (2) quarters. One (1) drop crew can complete 360 rural drops per quarter. 2. One (1) construction crews can complete 150 rural

VAN BUREN COUNTY FIBER RING

			miles per quarter.
	Qtr. 4	<ol style="list-style-type: none"> 1. Complete Construction Phase 1 Town (Week 40) 2. Miscellaneous Equipment Install (Week 37-39) 3. Electronic Equipment Installs (Week 40-41) 4. Fiber Termination Install (Week 42-44) 5. Equipment Turn Up / Test (Week 44-46) 	<ol style="list-style-type: none"> 1. Two (2) construction crews can complete 28 town miles in two (2) quarters. One (1) drop crew can complete 360 rural drops per quarter. 2. Miscellaneous equipment install takes Three (3) weeks to complete. 3. Electronic equipment install takes two weeks to complete. 4. Fiber termination takes three (3) weeks to complete. 5. Equipment Turn Up / Test / final inspection can be completed in three (3) weeks to complete.
Year 2	Qtr. 1		
	Qtr. 2		
	Qtr. 3		
	Qtr. 4		
Year 3	Qtr. 1		
	Qtr. 2		
	Qtr. 3		
	Qtr. 4		



City of South Haven

City Hall • 539 Phoenix Street • South Haven, Michigan 49090-1499
Telephone (269) 637-0700 • Fax (269) 637-5319

March 22, 2010

Lawrence E. Strickling
Assistant Secretary for Communications and Information
Broadband Technology Opportunities Program
U.S. Department of Commerce, Room 4812
1401 Constitution Avenue, N.W.
Washington, DC 20230

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Sincerely,

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Brian Dissette
City Manager

Enclosure Attached