



## Welcome!

### State Bicycle Transportation Plan: Bicyclists' Implementation Priorities



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## Plan output, "span of control"

LIB **thanks** and **congratulations** IDOT for plan:

- Internal steps to become more bike-friendly
- Performance measures for accountability
- Recommendations for other state agencies
- Guidance, collaboration with local agencies

See [www.bikelib.org/statebikeplan](http://www.bikelib.org/statebikeplan)



## Key plan recommendations

Which recommendations will most impact bicyclists?  
Where should IDOT focus implementation efforts?

10 bicycle community priorities will be described:

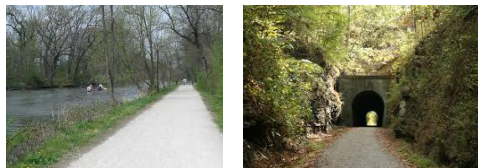
- The first 3 are plan recommendations for others
- The last 7 are plan action items and performance measures for IDOT



## IDNR Trails & Local Grants

Historically, Illinois Dept. of Natural Resources has:

- Built, maintained long-distance state trails
- Proactively helped local agencies build trails
- Annually ~3M\$ of State Bike Path Grants for locals



## IDNR Trails & Local Grants

These IDNR efforts crippled by capital "Parks and Conservation" funds diverted to salaries as IDNR's overall budget drops.

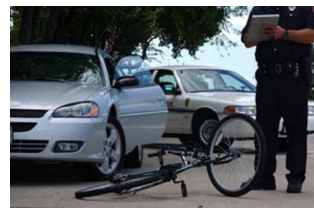
**Plan performance measure:** Annual IDNR capital expenditures for local grants (State Bike Path Grants) and IDNR's state and local trail work.



## Bike content on drivers' test

Many motorists don't know what to do around bikes:

- Little to no Rules of the Road, exam content
- Not covered much (if at all) in driver's ed

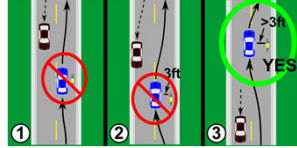




## Bike content on drivers' test

**Plan Action Item:** Incorporate bicycling into driver's education/ driver's test. Incorporating bicycling skills/safety into driver's education programs.

- IL SOS interest in [bikesafetyquiz.com](http://bikesafetyquiz.com) test questions



## Educating bicyclists

Little to no training for most people, leading to:

- Lack of knowledge, incorrect behavior, crashes
- Too much fear of bicycling



## Educating bicyclists

**Plan Action Items:**

- Programs that educate all roadway users on the rules of the road and safety for non-motorized users.
- Institutionalize elementary school education for bicyclists



## IDOT Road Project Selections

Which IDOT roadwork gets funded?

- Road condition, traffic levels, vehicle crashes, ...

Are bicyclist & pedestrian conditions a factor?



## IDOT Road Project Selections

**Plan Action Item:** Develop a system that prioritizes projects with Complete Streets (CS) improvements.

- Plan performance measures include CS results



## Adjust bikeway selection table

For major IDOT roadwork, 2010 table specifies bikeway type, depending on traffic, speed, urban (curbs) or rural – and warrants being met

Roadway Characteristics	Annual Maximum Daily Traffic (ADT) (AADT)	Speed (mi/h)	Urban/Rural	Warrant Level	Side Path	Shoulder
Urban Roadway - 10 mph Street	10,000	25	Urban	Level 1	Required	Not Required
Urban Roadway - 15 mph Street	10,000 - 15,000	25	Urban	Level 1	Required	Not Required
Urban Roadway - 20 mph Street	15,000 - 25,000	25	Urban	Level 2	Required	Not Required
Urban Roadway - 25 mph Street	25,000 - 35,000	25	Urban	Level 3	Required	Not Required
Urban Roadway - 30 mph Street	35,000 - 45,000	25	Urban	Level 4	Required	Not Required
Urban Roadway - 35 mph Street	45,000 - 55,000	25	Urban	Level 5	Required	Not Required
Urban Roadway - 40 mph Street	55,000 - 65,000	25	Urban	Level 6	Required	Not Required
Urban Roadway - 45 mph Street	65,000 - 75,000	25	Urban	Level 7	Required	Not Required
Urban Roadway - 50 mph Street	75,000 - 85,000	25	Urban	Level 8	Required	Not Required
Urban Roadway - 55 mph Street	85,000 - 95,000	25	Urban	Level 9	Required	Not Required
Urban Roadway - 60 mph Street	95,000 - 100,000	25	Urban	Level 10	Required	Not Required
Urban Roadway - 65 mph Street	100,000 - 110,000	25	Urban	Level 11	Required	Not Required
Urban Roadway - 70 mph Street	110,000 - 120,000	25	Urban	Level 12	Required	Not Required
Urban Roadway - 75 mph Street	120,000 - 130,000	25	Urban	Level 13	Required	Not Required
Urban Roadway - 80 mph Street	130,000 - 140,000	25	Urban	Level 14	Required	Not Required
Urban Roadway - 85 mph Street	140,000 - 150,000	25	Urban	Level 15	Required	Not Required
Urban Roadway - 90 mph Street	150,000 - 160,000	25	Urban	Level 16	Required	Not Required
Urban Roadway - 95 mph Street	160,000 - 170,000	25	Urban	Level 17	Required	Not Required
Urban Roadway - 100 mph Street	170,000 - 180,000	25	Urban	Level 18	Required	Not Required
Urban Roadway - 105 mph Street	180,000 - 190,000	25	Urban	Level 19	Required	Not Required
Urban Roadway - 110 mph Street	190,000 - 200,000	25	Urban	Level 20	Required	Not Required
Urban Roadway - 115 mph Street	200,000 - 210,000	25	Urban	Level 21	Required	Not Required
Urban Roadway - 120 mph Street	210,000 - 220,000	25	Urban	Level 22	Required	Not Required
Urban Roadway - 125 mph Street	220,000 - 230,000	25	Urban	Level 23	Required	Not Required
Urban Roadway - 130 mph Street	230,000 - 240,000	25	Urban	Level 24	Required	Not Required
Urban Roadway - 135 mph Street	240,000 - 250,000	25	Urban	Level 25	Required	Not Required
Urban Roadway - 140 mph Street	250,000 - 260,000	25	Urban	Level 26	Required	Not Required
Urban Roadway - 145 mph Street	260,000 - 270,000	25	Urban	Level 27	Required	Not Required
Urban Roadway - 150 mph Street	270,000 - 280,000	25	Urban	Level 28	Required	Not Required
Urban Roadway - 155 mph Street	280,000 - 290,000	25	Urban	Level 29	Required	Not Required
Urban Roadway - 160 mph Street	290,000 - 300,000	25	Urban	Level 30	Required	Not Required
Urban Roadway - 165 mph Street	300,000 - 310,000	25	Urban	Level 31	Required	Not Required
Urban Roadway - 170 mph Street	310,000 - 320,000	25	Urban	Level 32	Required	Not Required
Urban Roadway - 175 mph Street	320,000 - 330,000	25	Urban	Level 33	Required	Not Required
Urban Roadway - 180 mph Street	330,000 - 340,000	25	Urban	Level 34	Required	Not Required
Urban Roadway - 185 mph Street	340,000 - 350,000	25	Urban	Level 35	Required	Not Required
Urban Roadway - 190 mph Street	350,000 - 360,000	25	Urban	Level 36	Required	Not Required
Urban Roadway - 195 mph Street	360,000 - 370,000	25	Urban	Level 37	Required	Not Required
Urban Roadway - 200 mph Street	370,000 - 380,000	25	Urban	Level 38	Required	Not Required
Urban Roadway - 205 mph Street	380,000 - 390,000	25	Urban	Level 39	Required	Not Required
Urban Roadway - 210 mph Street	390,000 - 400,000	25	Urban	Level 40	Required	Not Required
Urban Roadway - 215 mph Street	400,000 - 410,000	25	Urban	Level 41	Required	Not Required
Urban Roadway - 220 mph Street	410,000 - 420,000	25	Urban	Level 42	Required	Not Required
Urban Roadway - 225 mph Street	420,000 - 430,000	25	Urban	Level 43	Required	Not Required
Urban Roadway - 230 mph Street	430,000 - 440,000	25	Urban	Level 44	Required	Not Required
Urban Roadway - 235 mph Street	440,000 - 450,000	25	Urban	Level 45	Required	Not Required
Urban Roadway - 240 mph Street	450,000 - 460,000	25	Urban	Level 46	Required	Not Required
Urban Roadway - 245 mph Street	460,000 - 470,000	25	Urban	Level 47	Required	Not Required
Urban Roadway - 250 mph Street	470,000 - 480,000	25	Urban	Level 48	Required	Not Required
Urban Roadway - 255 mph Street	480,000 - 490,000	25	Urban	Level 49	Required	Not Required
Urban Roadway - 260 mph Street	490,000 - 500,000	25	Urban	Level 50	Required	Not Required
Urban Roadway - 265 mph Street	500,000 - 510,000	25	Urban	Level 51	Required	Not Required
Urban Roadway - 270 mph Street	510,000 - 520,000	25	Urban	Level 52	Required	Not Required
Urban Roadway - 275 mph Street	520,000 - 530,000	25	Urban	Level 53	Required	Not Required
Urban Roadway - 280 mph Street	530,000 - 540,000	25	Urban	Level 54	Required	Not Required
Urban Roadway - 285 mph Street	540,000 - 550,000	25	Urban	Level 55	Required	Not Required
Urban Roadway - 290 mph Street	550,000 - 560,000	25	Urban	Level 56	Required	Not Required
Urban Roadway - 295 mph Street	560,000 - 570,000	25	Urban	Level 57	Required	Not Required
Urban Roadway - 300 mph Street	570,000 - 580,000	25	Urban	Level 58	Required	Not Required
Urban Roadway - 305 mph Street	580,000 - 590,000	25	Urban	Level 59	Required	Not Required
Urban Roadway - 310 mph Street	590,000 - 600,000	25	Urban	Level 60	Required	Not Required
Urban Roadway - 315 mph Street	600,000 - 610,000	25	Urban	Level 61	Required	Not Required
Urban Roadway - 320 mph Street	610,000 - 620,000	25	Urban	Level 62	Required	Not Required
Urban Roadway - 325 mph Street	620,000 - 630,000	25	Urban	Level 63	Required	Not Required
Urban Roadway - 330 mph Street	630,000 - 640,000	25	Urban	Level 64	Required	Not Required
Urban Roadway - 335 mph Street	640,000 - 650,000	25	Urban	Level 65	Required	Not Required
Urban Roadway - 340 mph Street	650,000 - 660,000	25	Urban	Level 66	Required	Not Required
Urban Roadway - 345 mph Street	660,000 - 670,000	25	Urban	Level 67	Required	Not Required
Urban Roadway - 350 mph Street	670,000 - 680,000	25	Urban	Level 68	Required	Not Required
Urban Roadway - 355 mph Street	680,000 - 690,000	25	Urban	Level 69	Required	Not Required
Urban Roadway - 360 mph Street	690,000 - 700,000	25	Urban	Level 70	Required	Not Required
Urban Roadway - 365 mph Street	700,000 - 710,000	25	Urban	Level 71	Required	Not Required
Urban Roadway - 370 mph Street	710,000 - 720,000	25	Urban	Level 72	Required	Not Required
Urban Roadway - 375 mph Street	720,000 - 730,000	25	Urban	Level 73	Required	Not Required
Urban Roadway - 380 mph Street	730,000 - 740,000	25	Urban	Level 74	Required	Not Required
Urban Roadway - 385 mph Street	740,000 - 750,000	25	Urban	Level 75	Required	Not Required
Urban Roadway - 390 mph Street	750,000 - 760,000	25	Urban	Level 76	Required	Not Required
Urban Roadway - 395 mph Street	760,000 - 770,000	25	Urban	Level 77	Required	Not Required
Urban Roadway - 400 mph Street	770,000 - 780,000	25	Urban	Level 78	Required	Not Required
Urban Roadway - 405 mph Street	780,000 - 790,000	25	Urban	Level 79	Required	Not Required
Urban Roadway - 410 mph Street	790,000 - 800,000	25	Urban	Level 80	Required	Not Required
Urban Roadway - 415 mph Street	800,000 - 810,000	25	Urban	Level 81	Required	Not Required
Urban Roadway - 420 mph Street	810,000 - 820,000	25	Urban	Level 82	Required	Not Required
Urban Roadway - 425 mph Street	820,000 - 830,000	25	Urban	Level 83	Required	Not Required
Urban Roadway - 430 mph Street	830,000 - 840,000	25	Urban	Level 84	Required	Not Required
Urban Roadway - 435 mph Street	840,000 - 850,000	25	Urban	Level 85	Required	Not Required
Urban Roadway - 440 mph Street	850,000 - 860,000	25	Urban	Level 86	Required	Not Required
Urban Roadway - 445 mph Street	860,000 - 870,000	25	Urban	Level 87	Required	Not Required
Urban Roadway - 450 mph Street	870,000 - 880,000	25	Urban	Level 88	Required	Not Required
Urban Roadway - 455 mph Street	880,000 - 890,000	25	Urban	Level 89	Required	Not Required
Urban Roadway - 460 mph Street	890,000 - 900,000	25	Urban	Level 90	Required	Not Required
Urban Roadway - 465 mph Street	900,000 - 910,000	25	Urban	Level 91	Required	Not Required
Urban Roadway - 470 mph Street	910,000 - 920,000	25	Urban	Level 92	Required	Not Required
Urban Roadway - 475 mph Street	920,000 - 930,000	25	Urban	Level 93	Required	Not Required
Urban Roadway - 480 mph Street	930,000 - 940,000	25	Urban	Level 94	Required	Not Required
Urban Roadway - 485 mph Street	940,000 - 950,000	25	Urban	Level 95	Required	Not Required
Urban Roadway - 490 mph Street	950,000 - 960,000	25	Urban	Level 96	Required	Not Required
Urban Roadway - 495 mph Street	960,000 - 970,000	25	Urban	Level 97	Required	Not Required
Urban Roadway - 500 mph Street	970,000 - 980,000	25	Urban	Level 98	Required	Not Required
Urban Roadway - 505 mph Street	980,000 - 990,000	25	Urban	Level 99	Required	Not Required
Urban Roadway - 510 mph Street	990,000 - 1,000,000	25	Urban	Level 100	Required	Not Required
Urban Roadway - 515 mph Street	1,000,000 - 1,010,000	25	Urban	Level 101	Required	Not Required
Urban Roadway - 520 mph Street	1,010,000 - 1,020,000	25	Urban	Level 102	Required	Not Required
Urban Roadway - 525 mph Street	1,020,000 - 1,030,000	25	Urban	Level 103	Required	Not Required
Urban Roadway - 530 mph Street	1,030,000 - 1,040,000	25	Urban	Level 104	Required	Not Required
Urban Roadway - 535 mph Street	1,040,000 - 1,050,000	25	Urban	Level 105	Required	Not Required
Urban Roadway - 540 mph Street	1,050,000 - 1,060,000	25	Urban	Level 106	Required	Not Required
Urban Roadway - 545 mph Street	1,060,000 - 1,070,000	25	Urban	Level 107	Required	Not Required
Urban Roadway - 550 mph Street	1,070,000 - 1,080,000	25	Urban	Level 108	Required	Not Required
Urban Roadway - 555 mph Street	1,080,000 - 1,090,000	25	Urban	Level 109	Required	Not Required
Urban Roadway - 560 mph Street	1,090,000 - 1,100,000	25	Urban	Level 110	Required	Not Required
Urban Roadway - 565 mph Street	1,100,000 - 1,110,000	25	Urban	Level 111	Required	Not Required
Urban Roadway - 570 mph Street	1,110,000 - 1,120,000	25	Urban	Level 112	Required	Not Required
Urban Roadway - 575 mph Street	1,120,000 - 1,130,000	25	Urban	Level 113	Required	Not Required
Urban Roadway - 580 mph Street	1,130,000 - 1,140,000	25	Urban	Level 114	Required	Not Required
Urban Roadway - 585 mph Street	1,140,000 - 1,150,000	25	Urban	Level 115	Required	Not Required
Urban Roadway - 590 mph Street	1,150,000 - 1,160,000	25	Urban	Level 116	Required	Not Required
Urban Roadway - 595 mph Street	1,160,000 - 1,170,000	25	Urban	Level 117	Required	Not Required
Urban Roadway - 600 mph Street	1,170,000 - 1,180,000	25	Urban	Level 118	Required	Not Required
Urban Roadway - 605 mph Street	1,180,000 - 1,190,000	25	Urban	Level 119	Required	Not Required
Urban Roadway - 610 mph Street	1,190,000 - 1,200,000	25	Urban	Level 120	Required	Not Required
Urban Roadway - 615 mph Street	1,200,000 - 1,210,000	25	Urban	Level 121	Required	Not Required
Urban Roadway - 620 mph Street	1,210,000 - 1,220,000	25	Urban	Level 122	Required	Not Required
Urban Roadway - 625 mph Street	1,220,000 - 1,230,000	25	Urban	Level 123	Required	Not Required
Urban Roadway - 630 mph Street	1,230,000 - 1,240,000	25				



## Adjust bikeway selection table

- Use "paved shoulders" for 45+ mph, higher traffic, uncurbed roads – sidepath as option
- Bike lanes (or shoulders) for 25-35 mph, higher traffic urban – sidepath as option
- Sidewalks wherever on-road bikeways, in towns



## Adjust bikeway selection table

**Plan action item:** Look for design fallback solutions, to support flexible design choices. Wisconsin can serve as a good model.

- Hierarchy of secondary choices, where needed
- "Next highest and best accommodation feasible"



## Paved Shoulders

- Serves bicyclists – also maintenance, car safety
- At least 3 feet; more for busier roads
- Debris collects, especially further from lane



## Paved Shoulders

**Plan performance measure:**

Paved shoulders (3' or more) – miles added, annually

- Expand warrants for paved shoulders – moderate/busy roads connecting towns, no good alternatives
- Occasional sweeping on these & urban shoulders



## Rumble Strips

For motorists: reduce run-off-the-road; safer

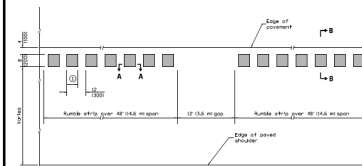
For bicyclists: renders paved shoulder useless; safety worse than no shoulder at all?



## Rumble Strips

**Plan long-term goal:** Bicycle-friendly rumble strips on all roads with paved shoulders 4+ feet

- Both for IDOT and IDOT-funded rumble strips



4-in from stripe  
8-in wide  
12-ft gaps every 60-ft  
>3-ft clear zone



## Resurfacing projects

IDOT resurfacing work is an opportunity for bikes:

- Narrow lanes that are very wide – for bike lanes
- Scope changes where warranted, feasible



## Resurfacing projects

IDOT resurfacing work is an opportunity for bikes:

- Narrow lanes that are very wide – for bike lanes
- Scope changes where warranted, feasible



## Resurfacing projects

**Plan performance measure:**

% of all Maintenance/preservation/resurfacing projects that include bicycle improvements, either within the project scope or as a scope add-on.

Near-term: 50% where warranted, feasible

Long-term: 100% where warranted, feasible

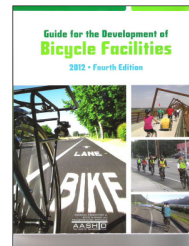


## Keeping Manuals Current

BDE: Designs, policies for IDOT road projects

BLR: IDOT's approval of local agency roadwork

Bikeway design issues evolving – national policy rules and guidance from AASHTO, FHWA; NACTO guide by cities



## Keeping Manuals Current

**Plan Action Items:**

- IDOT policies, practices and standards should be updated within a year of release of new FHWA, AASHTO, and other applicable guidelines.

- Make sure that Complete Streets policies and design guidelines are consistent across all chapters of the BDE and the BLR manuals.



## State/local cost sharing

IDOT requires local agencies to pay 20% for bike lanes, sidewalks, sidepaths, in IDOT's road projects

- Different than how overall project handled
- Better than pre-2010 (but not for bike lanes)
- When towns say no → little to no accommodation
- Can lead to project delays and re-designs
- Philosophy trickles down to many county DOTs





## State/local cost sharing

### Plan Action Item:

Address the issue with the 80/20 funding match for pedestrian and bicycle accommodations

→ Bike/ped features should be *same cost share* as the rest of the road – not “ala carte”



## State/local cost sharing

### Plan Action Item:

Address the issue with the 80/20 funding match for pedestrian and bicycle accommodations

### Why use the same cost share?

- Assure bike/ped features, where needed
- Higher ranking states do this
- Local non-payment not a valid exception in law
- Supported by then-Lt. Gov. candidate Quinn

## We support plan implementation!



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